Refrigerant R410A INVERTER

VD011E/06

AIRSTAGE™ V-II

Variable Refrigerant Flow System

Multi Air Conditioning System for Buildings

Large Capacity Multi VRF System
DC Inverter Control Compressor
Long Piping System Design
High Efficiency Refrigerant R410A

DESIGN & TECHNICAL DATA

FUJITSU GENERAL LIMITED

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Refrigerant R410A
INVERTER

AIRSTAGE™ V-II
Variable Refrigerant Flow System

1. GENERAL INFORMATION

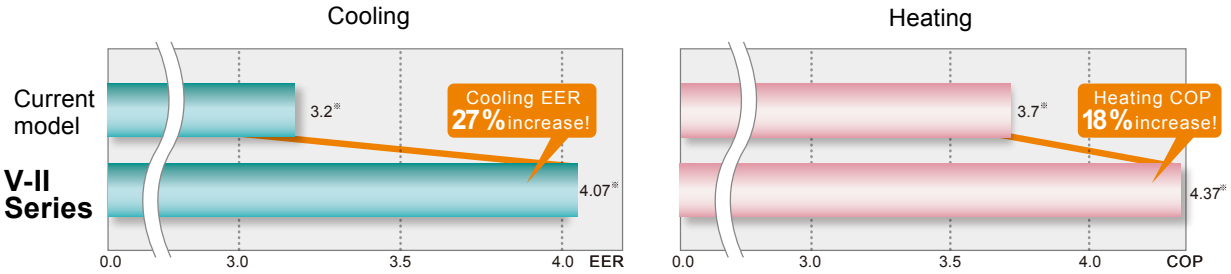
GENERAL INFORMATION

1-1. FEATURES OF SYSTEM

1-1-1. HIGH EFFICIENCY OPERATION

■ SIGNIFICANTLY IMPROVED EER/COP

Significantly greater efficiency is realized by the use of a DC twin rotary compressor, inverter technology, and large heat exchanger.

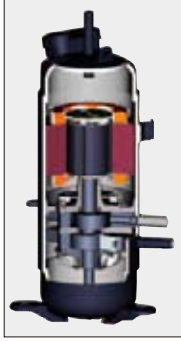


＊The data refers to a 8HP outdoor unit.
＊"EER" and "COP" is the coefficient of performance [= capacity (kW) input power (kW)].
＊EER and COP values are base on our own testing method.

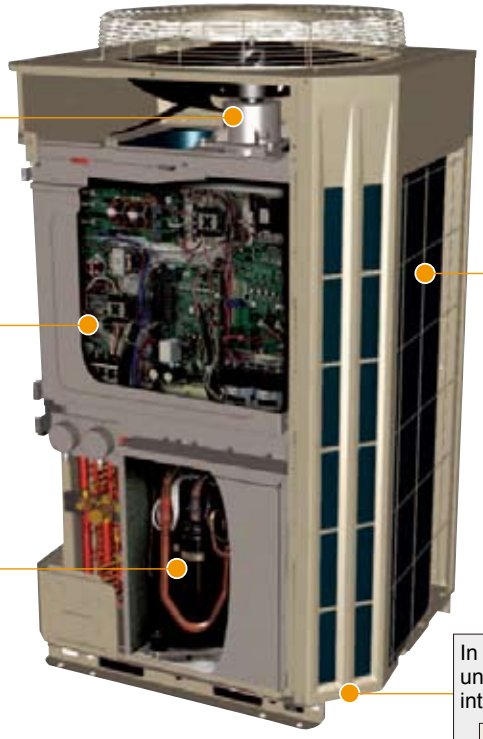
■ ENERGY SAVING TECHNOLOGY

Power consumption has been reduced by 25% compared to previous models by using a compact and high performance DC fan motor.

High efficiency operation is realized by using a sine wave DC inverter control.

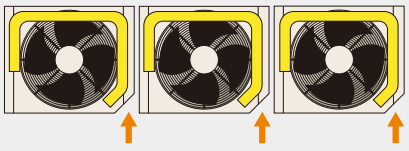


Significantly greater efficiency is realized by use of a large capacity DC twin rotary compressor with substantially increased refrigerant intake and compression efficiency.



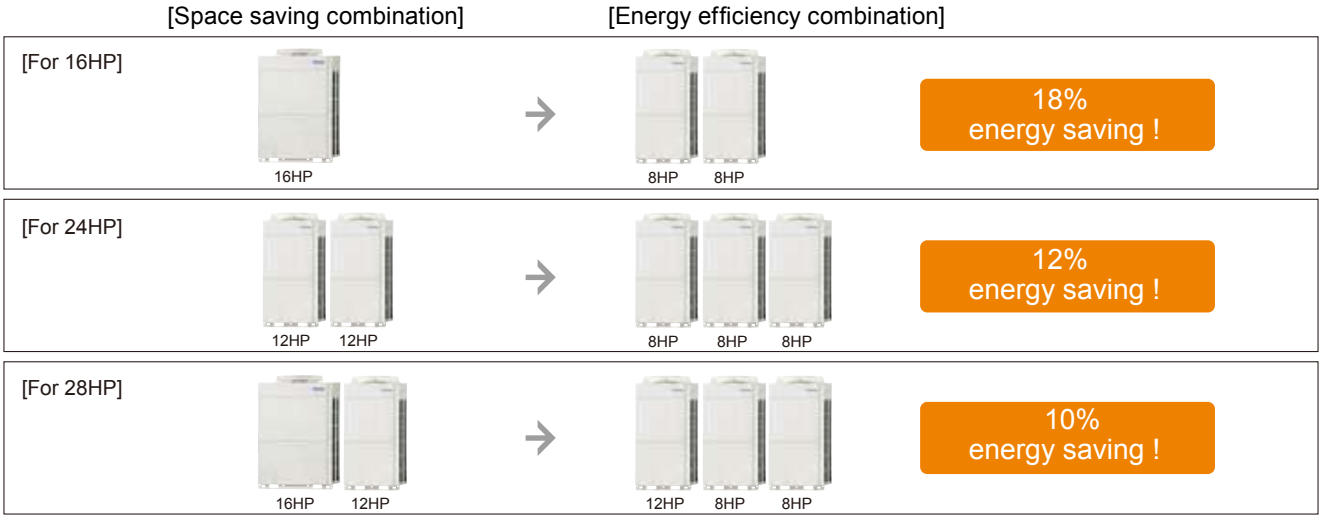
Heat exchange efficiency is significantly improved by the introduction of a new 4-face heat exchanger that increases effective surface area.

In multiple outdoor unit installations, the unique front intake design improves airflow into the Heat exchanger.



GENERAL INFORMATION

■ ENERGY EFFICIENCY COMBINATION

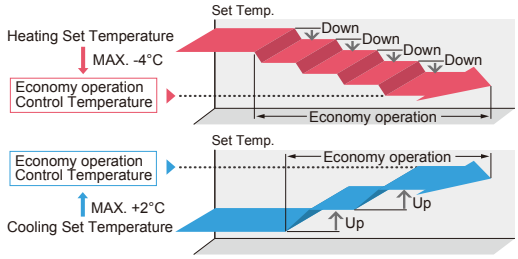


(Comparison of average COP)

■ ECONOMY OPERATION

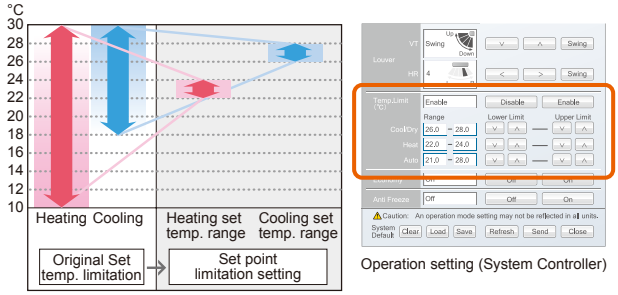
Economy operation can be set by remote controller.

The temperature setting is offset automatically over a certain period of time.



■ ROOM TEMPERATURE SET POINT LIMITATION

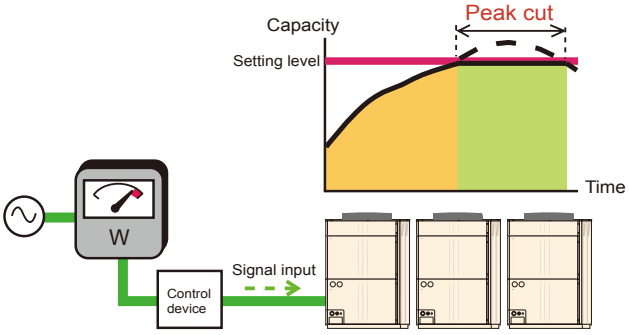
The minimum and maximum temperature range can be set giving further energy saving while considering the comfort of the occupants.



■ PEAK CUT OPERATION

Operation capacity can be set in 4 steps for rated capability.

The power consumption at peak is cut down and the maximum load is suppressed.



■ AUTO-OFF TIMER

Each remote controller is equipped with an OFF timer function that automatically stops operation when a fixed time has elapsed from the start of operation. This prevents wasteful operation. (NB Except simple remote controller)

GENERAL INFORMATION

1-1-2. HIGH DESIGN FREEDOM

■ OVERALL PIPING LENGTH 1,000m

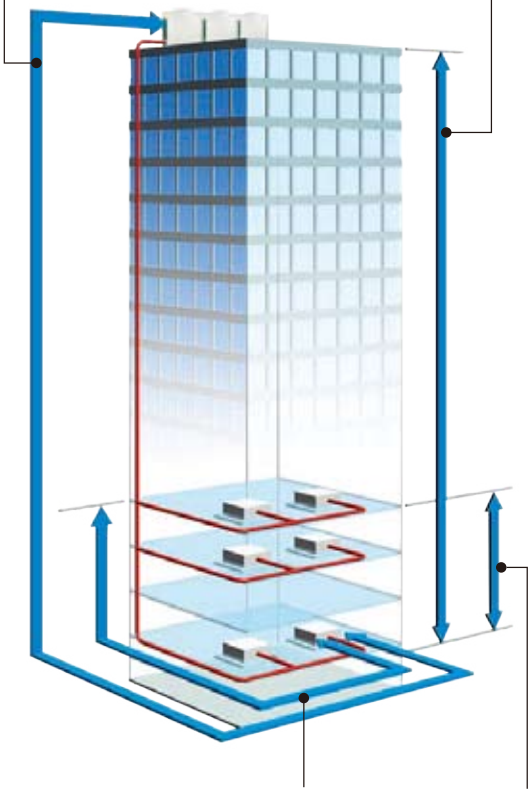
World's top class overall piping length of 1,000m allows for application in a wide variety buildings.

Total pipe length
1,000m max.

Actual pipe length
150m max.

Height difference between outdoor and indoor units
50m max.

For the outdoor unit stated below : 40m max.



Pipe length from first separation tube to the farthest indoor unit
60m max.

Height difference between indoor and indoor units
15m max.

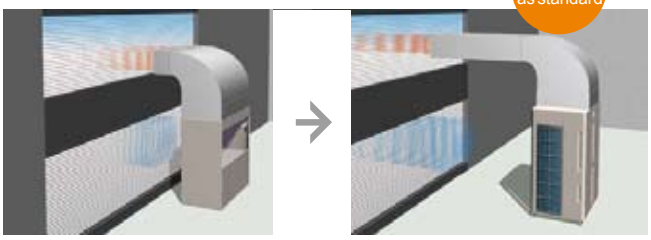
■ HIGH STATIC PRESSURE OF 80Pa

The outdoor unit can have a condenser hood easily connected with a static pressure of 80Pa standard. This allows outdoor units to be installed within plant rooms in high rise buildings.

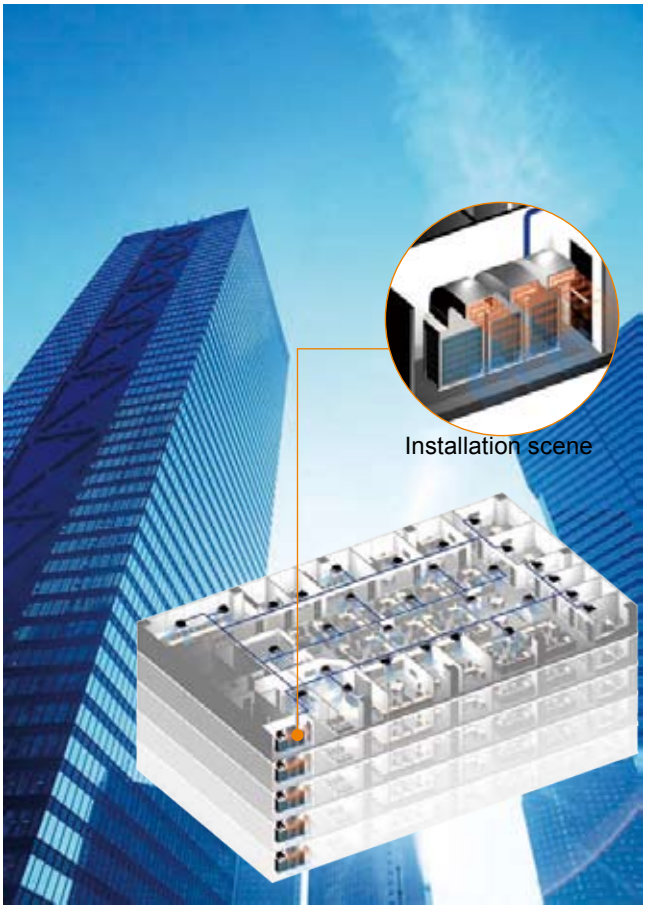
Powerful discharge with an external static pressure of 80Pa.

Previous model

V-II Series **80Pa** as standard



Large diameter fan and DC motor has been utilized allowing an external static pressure of 80Pa. This is approximately 2.6 times greater than the previous model.

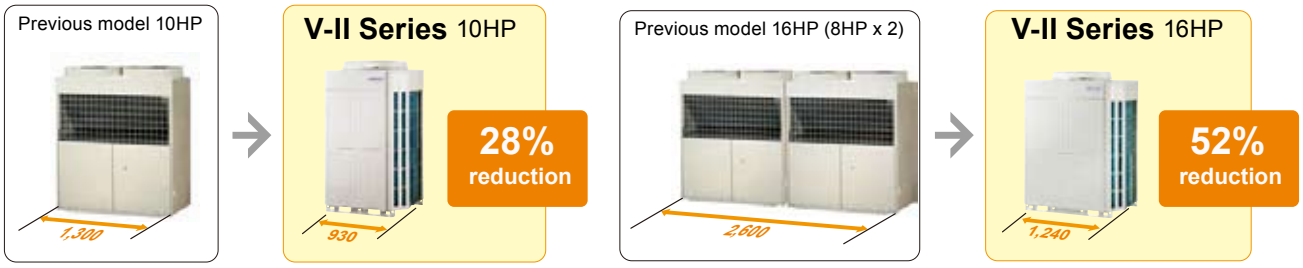


Installation scene

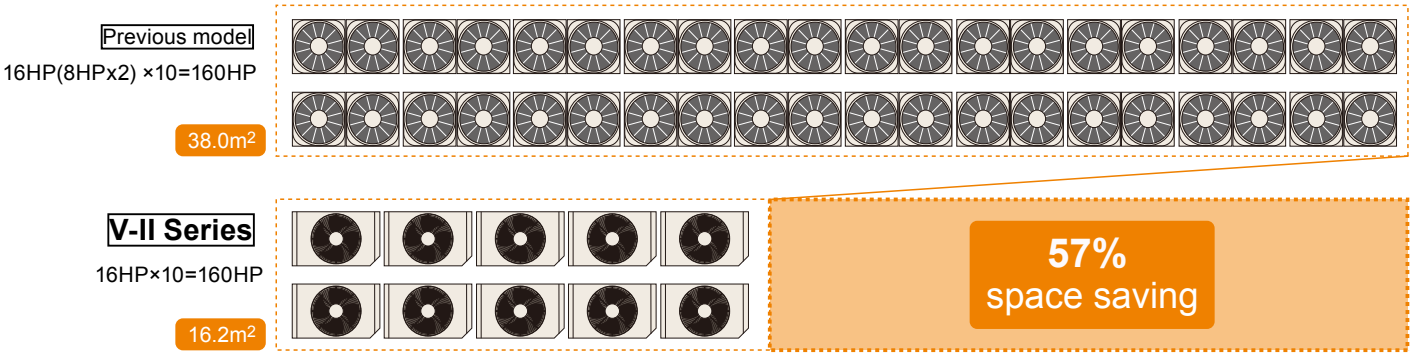
GENERAL INFORMATION

■ SPACE SAVING AND COMPACT SIZE

Compact size has been achieved by significantly reducing the width of the outdoor units compared to previous models.



For 160HP

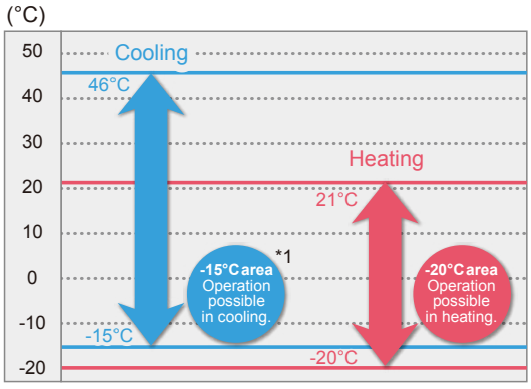


■ WIDE OPERATING RANGE

Installation in extreme temperature conditions is possible due to an increase in operational range.

Cooling : -15°C~46°C

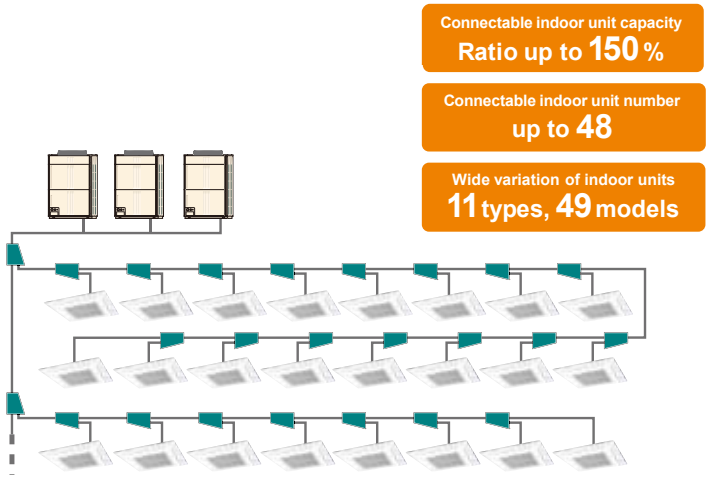
Heating : -20°C~21°C



*1 Note : When a multiple outdoor unit connection is used, operating range is from -5°C to 46°C in cooling.

■ VARIOUS COMBINATIONS

Various combination from 8HP to 48HP with 2HP increments. 11 types, 49 models of indoor units can be selected ranging from 2.2kW to 25kW in capacity. A maximum of 150% indoor unit connectable capacity.



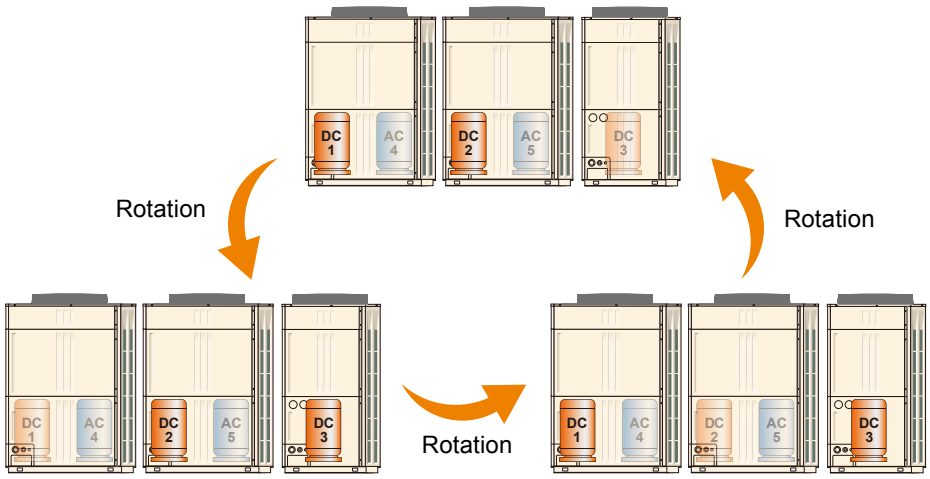
Note : when indoor unit connected capacity is greater than 100%, individual indoor units will operate at a slightly lower capacity when maximum capacity is required.

GENERAL INFORMATION

1-1-3. HIGH RELIABILITY

■ OUTDOOR UNIT OPERATION ROTATION

The compressor starting order is rotated so that the running time is shared.



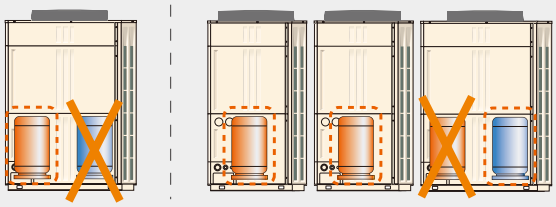
Note : The inverter compressors start in priority.
Operating rotation is alternated by the start / stop timing of the compressors

■ BACKUP OPERATION

If one of two compressors malfunctions, it will not affect the operation of the remaining outdoor units.

Outdoor units

If one of compressor fails, backup operation will be performed by the remaining compressors as emergency.*1

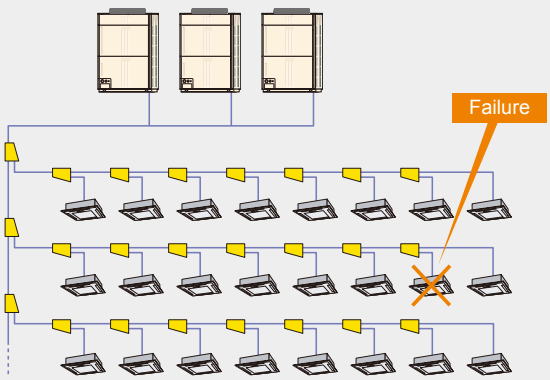


*1 Note: Backup operation may not be possible depending on the combination and trouble state.

Indoor units

Indoor unit continuous operation

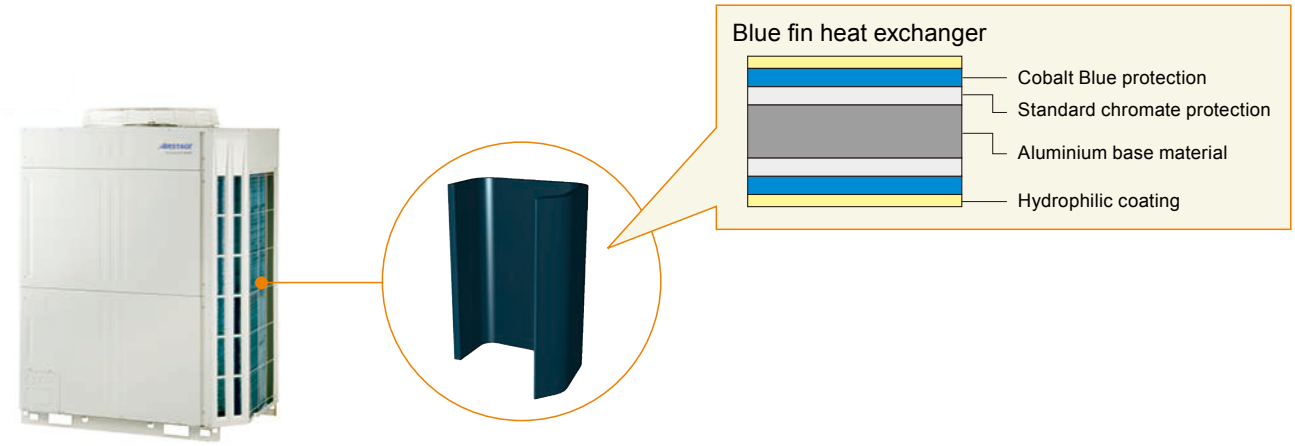
Each indoor unit is controlled individually on the system network. This allows all indoor units to continue to operate unaffected even if an error should occur at any indoor unit's on the VRF system.



GENERAL INFORMATION

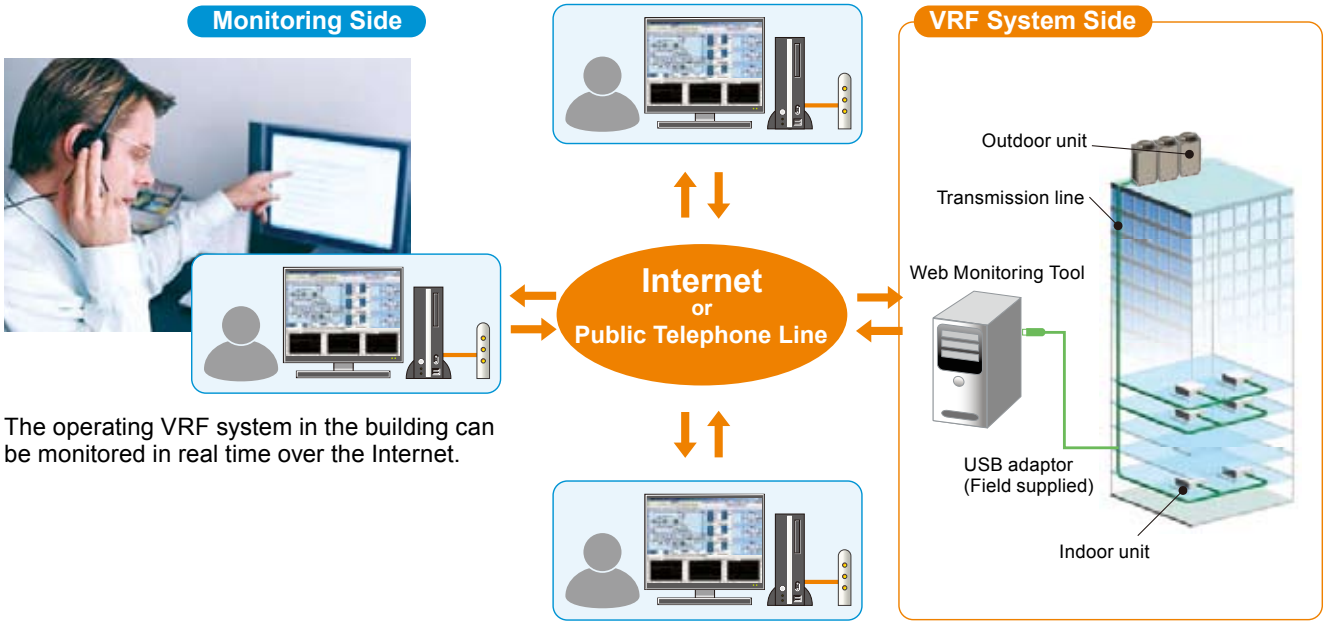
■ ADOPTION OF BLUE FIN HEAT EXCHANGER

Corrosion resistant of the heat exchanger has been improved by the introduction of blue fin treatment to the outdoor unit's heat exchanger.



■ REMOTE MONITORING

The Web Monitoring system allows you view system operation at all times over the internet ensuring trouble free operation.



The operating VRF system in the building can be monitored in real time over the Internet.

GENERAL INFORMATION

1-1-4. EASY INSTALLATION

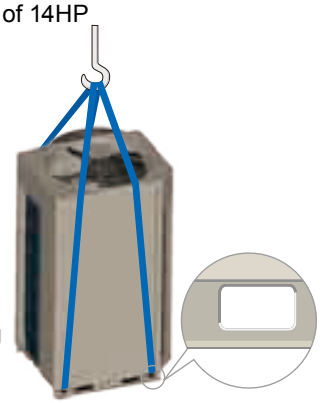
■ EASILY TRANSPORTED

Light weight

20% weight reduction
(Than Previous model)

Note : In the case of 14HP

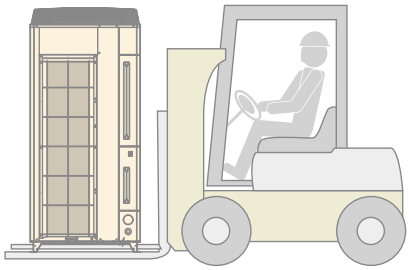
Easily craned into position using lifting belt hooks



Design of outdoor unit allows for lifting straps to be used

Can be transported in a small elevator

Transporting by forklift



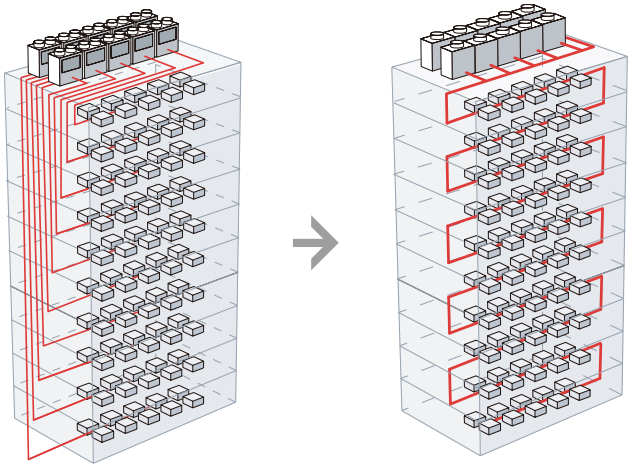
Transport with forklift is possible.

■ SIMPLE SIGNAL LINE CONNECTION

Installation is made easier as the communications wiring can be connected continuously to any component.

Up to maximum length 3,600m

AIRSTAGE V-II



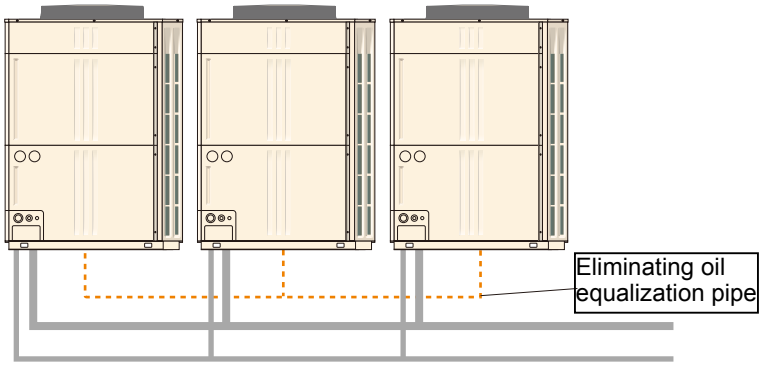
Other wiring method

Simple wiring method

Note: In a multiple refrigerant system installation, Automatic addressing sequence cannot be initiated

■ Easy piping connection

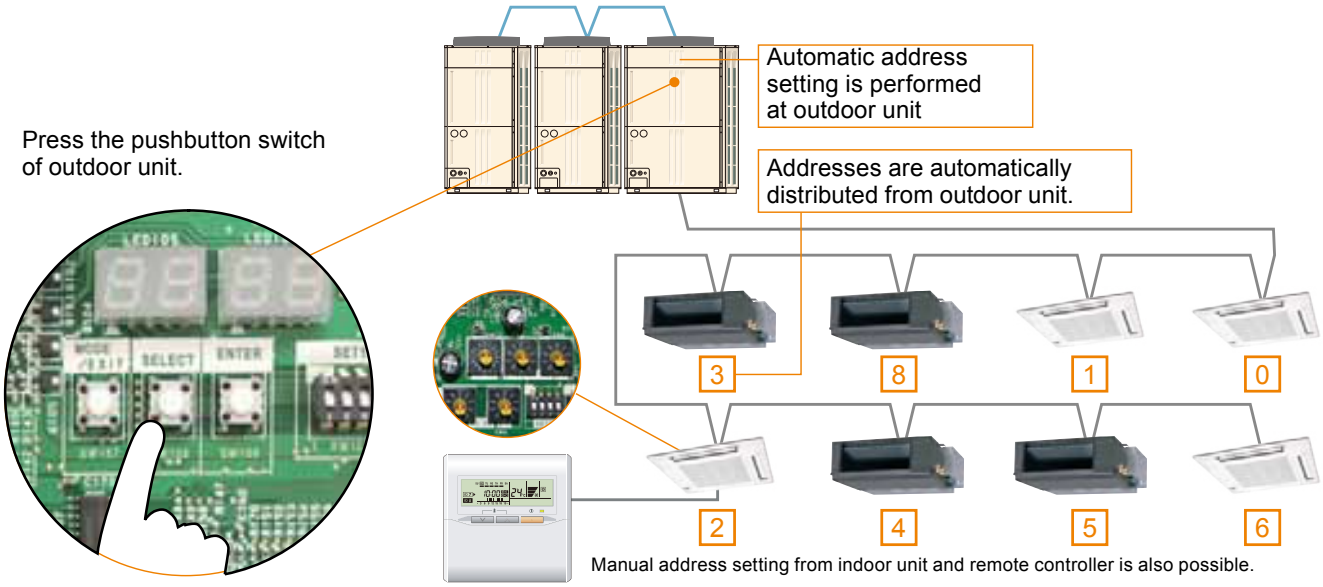
The need for a oil equalization pipe as required on the previous model has been removed. The installation costs have been reduced by employing a Simple 2 pipe connection.



GENERAL INFORMATION

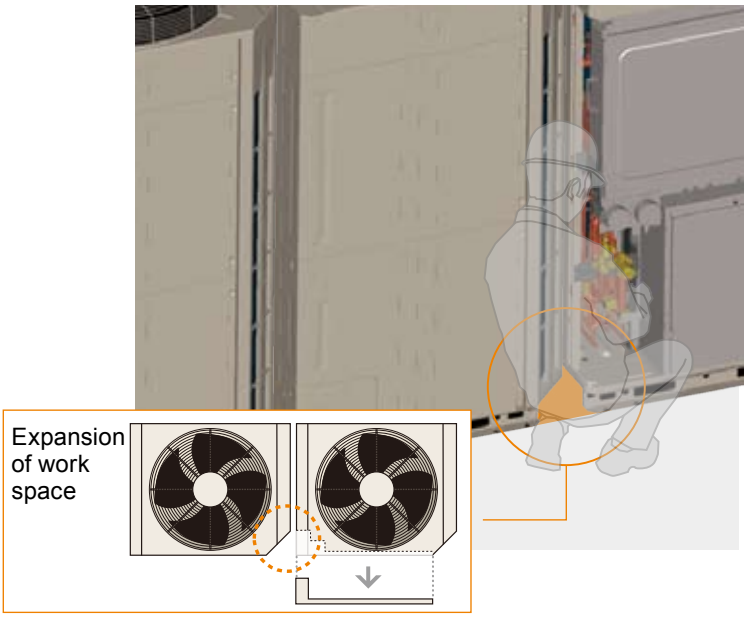
■ AUTOMATIC ADDRESS SETTING

The address of each indoor unit can be automatically set by button swich of outdoor unit.



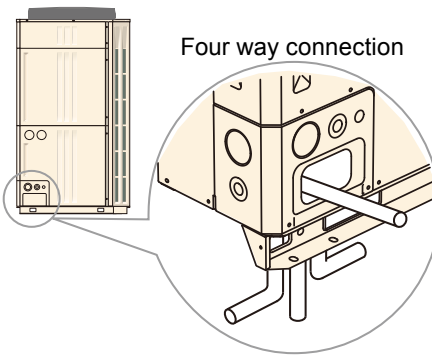
■ EASY ACCESS

By adopting a L-Shape front panel that can be removed, the work space for installation and service has been significantly expanded by this corner cutting structure. For multiple installations, work is performed easily and efficiently even in a narrow space.



■ FOUR WAY PIPING CONNECTION

Piping and wiring are available to the front, left and right, and bottom.

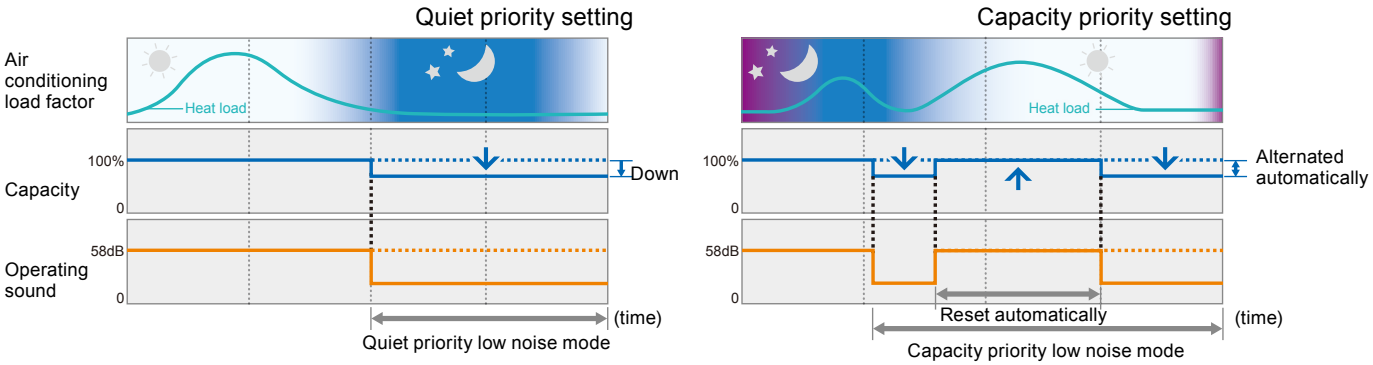


GENERAL INFORMATION

1-1-5. MORE COMFORT & CONVENIENCE

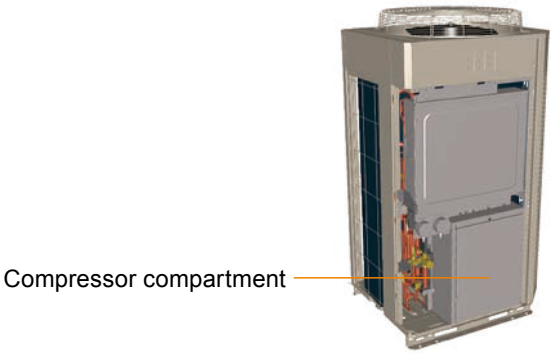
■ LOW NOISE MODE

Two low noise modes can be selected automatically by quiet priority setting and capacity priority setting depending on the usage environment and outside temperature load.



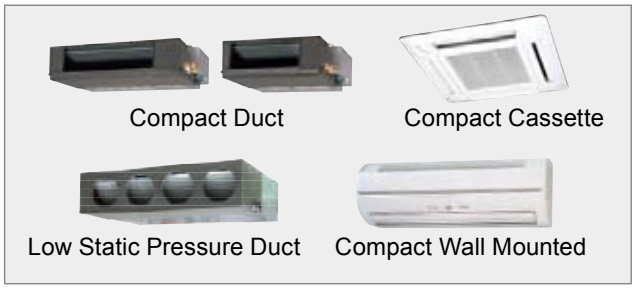
■ LOW NOISE DESIGN

Compressor noise has been significantly reduced by shielding the compressor compartment.



■ INDOOR UNIT

Low noise indoor unit lineup



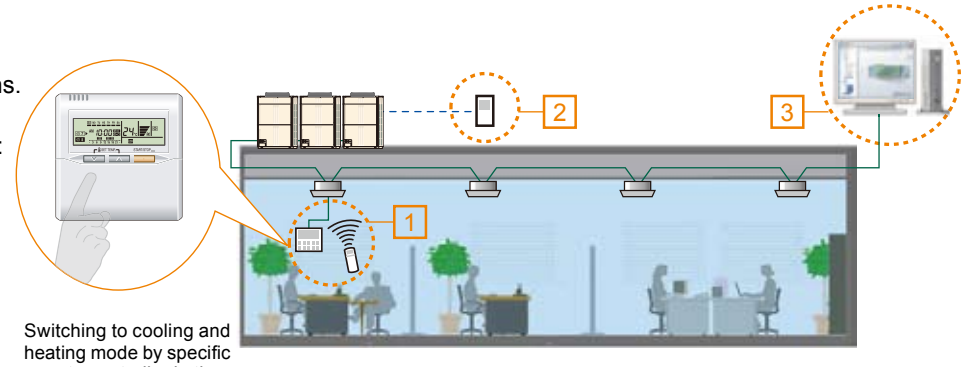
■ SELECTABLE AUTO CHANGEOVER FUNCTION

Auto changeover setting allows for the product to easily switch between Cooling and heating modes regardless of the operation mode of other indoor units. This can be done via specific indoor unit remote controller and/or by an external input control. This ensures comfortable operation all year round.

Command for operational mode switching is controlled by one of the following options.

1 selected from the following:

1. Various remote controllers connected to indoor unit
2. External input terminal of outdoor unit
3. System controller



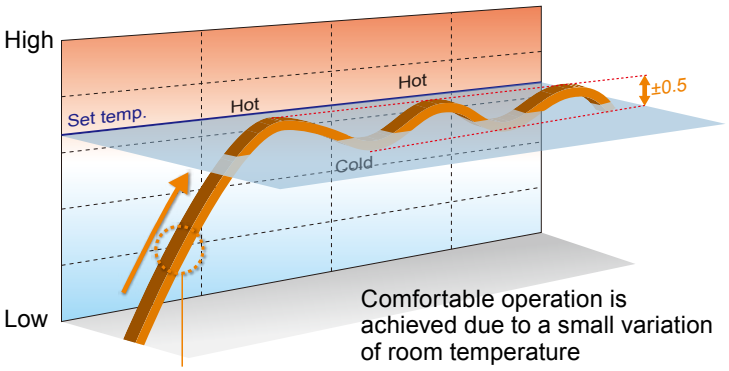
Switching to cooling and heating mode by specific remote controller in the main room, etc.

GENERAL INFORMATION

■ PRECISION REFRIGERANT FLOW CONTROL

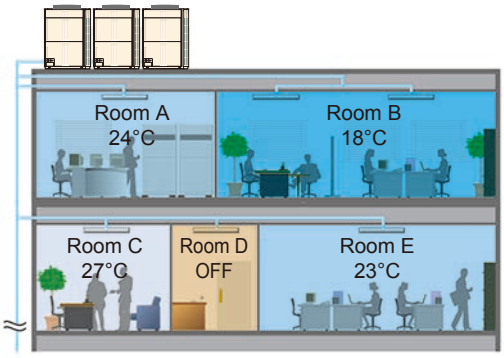
Precision and Smooth refrigerant flow control is achieved by using a DC Inverter control in conjunction with individual indoor unit electronic expansion valve control. This allows for a high precision comfortable temperature control of ±0.5°C.

Thermal change of the room
*Simulation in heating operation.



■ INDIVIDUAL AIR CONDITIONING CONTROL

The desired temperature conditions of each room are met due to the Individual thermostat control of each indoor unit.



■ SIMPLE CENTRAL MANAGEMENT FUNCTION

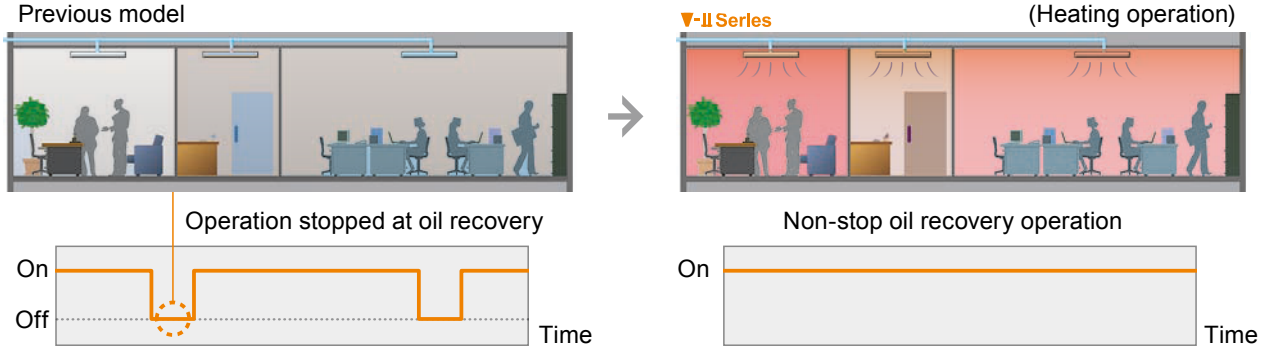
7.5 inch large LCD
Touch Panel Controller

- Simple central control operation ..... Simple operation by icon display and color touch screen
- Yearly schedule function ..... Daily starting & stopping and temperature setting are managed.
- Clock setting function ..... The clock of each individual controller is periodically corrected.

Schedule screen

■ NON-STOP OIL RECOVERY OPERATION

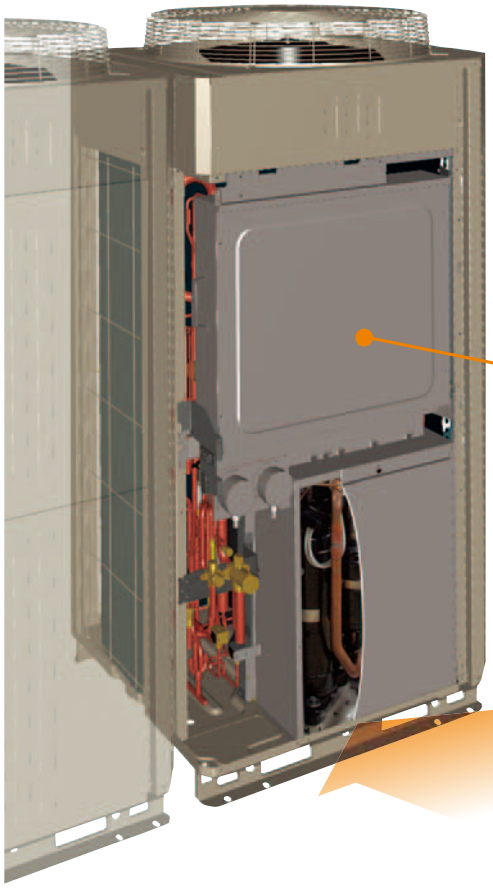
A comfortable room condition is maintained during oil recovery mode because the product continues to operate without stopping the cooling or heating operation.



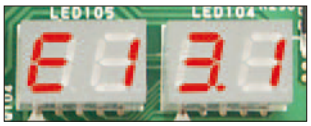
GENERAL INFORMATION

1-1-6. EASY SERVICE & MAINTENANCE

■ DESIGN FOR EASY SERVICE AND MAINTENANCE



Easy-to-read 7-segment LED display which explains operational and trouble status



Consolidated electrical components make maintenance easy

Movable PCB panel that allows for easier maintenance work behind the PCB

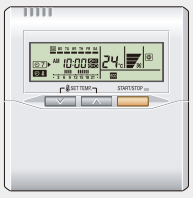
Maintenance of electrical components, valves, and compressor parts from the front is possible.

Split front panel allows for maintenance from top or bottom of the outdoor unit

■ ERROR STATUS CAN BE CHECKED EASILY VIA THE INDOOR UNIT WIRED CONTROLLER

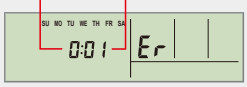
An error code is displayed on a liquid crystal screen.

Wired remote controller



Faulty unit number (Remote controller address)

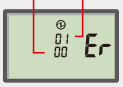
Error code



Simple remote controller

Faulty unit number (Remote controller address)

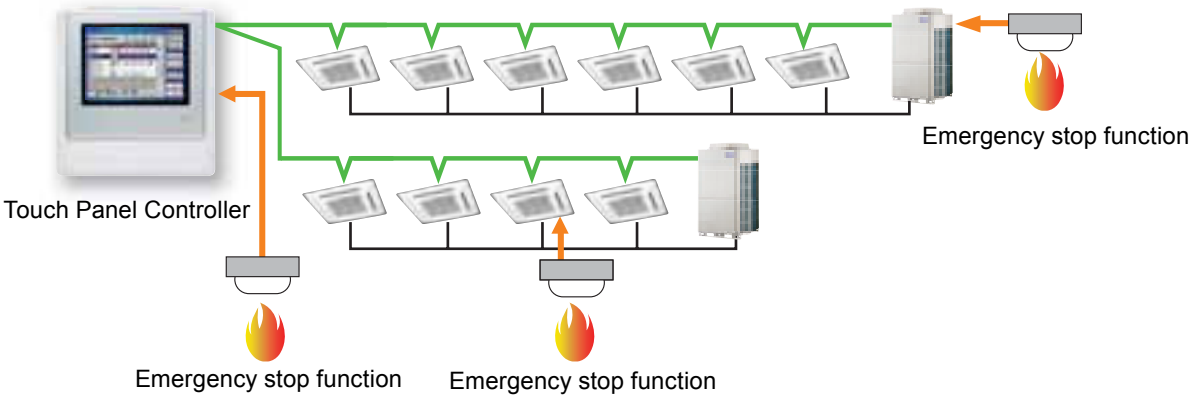
Error code



GENERAL INFORMATION

■ EMERGENCY STOP

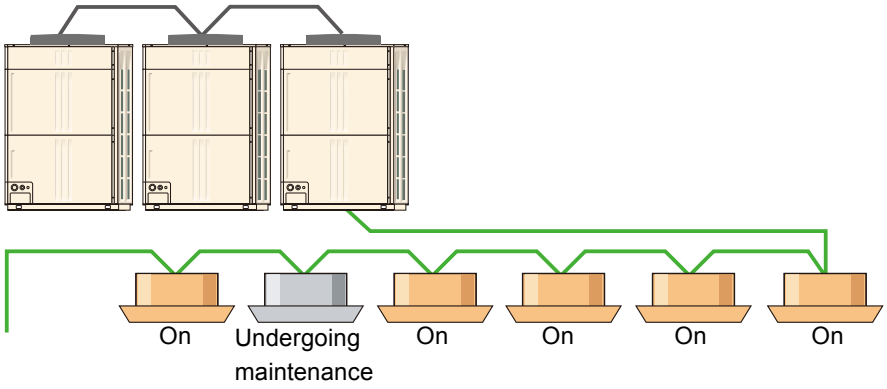
Emergency alarm can be received by indoor, outdoor units or Touch Panel Controller when they received it, all units will be stopped.



Note : In case of received Emergency alarm by Indoor/outdoor unit: All units connected within same refrigerant system will be stopped. Touch Panel Controller: all unit connected within VRF network system with Touch Panel Controller will be stopped.

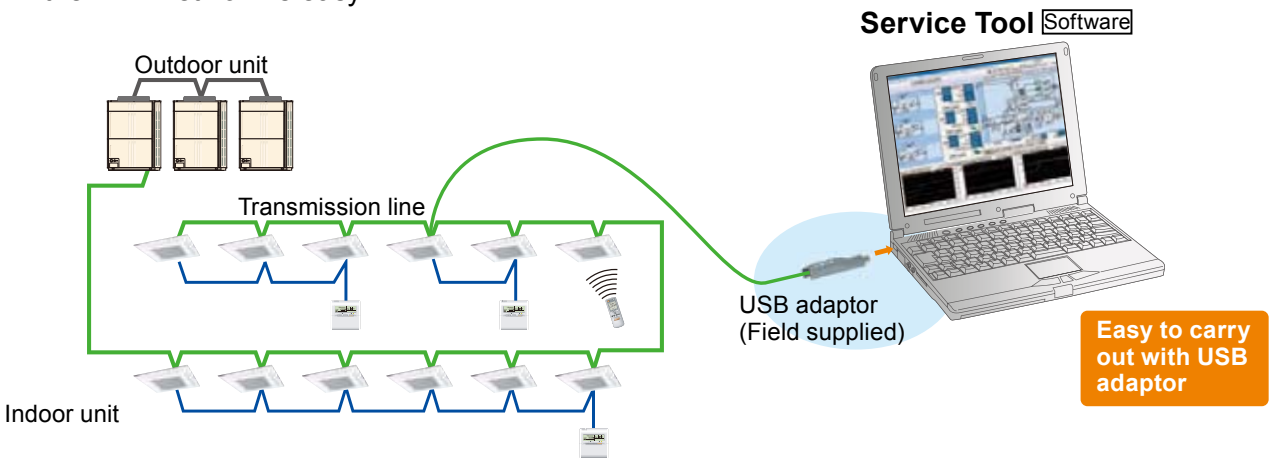
■ NON-STOP OPERATION

When servicing a specific indoor unit, maintenance can be performed even without turning off the other indoor units.



■ TROUBLE DIAGNOSIS BY SERVICE TOOL

Suitable maintenance is possible by analysis of the operation data. Connection anywhere in the VRF network is easy.



GENERAL INFORMATION

1-2. MODEL LINE UP

1-2-1. OUTDOOR UNIT

- Extensive line up from 8HP to 48HP in 2HP increments.
- Space saving combination and Energy efficiency combination available, which can be selected to suit any air conditioning needs.

■ LINE UP (SINGLE)

HP	Capacity (kW)	Model name	Chassis
8	22.4	AJ∗A72LALH	
10	28.0	AJ∗A90LALH	
12	33.5	AJ∗108LALH	
14	40.0	AJ∗126LALH	
16	45.0	AJ∗144LALH	

■ SPACE SAVING COMBINATION

- Combinations other than the followings are prohibited.

HP	Capacity (kW)	Set model name	Unit1 (Model name)	Unit2 (Model name)	Unit3 (Model name)	Maximum connectable indoor unit
8	22.4	AJ∗A72LALH	AJ∗A72LALH	-	-	15
10	28.0	AJ∗A90LALH	AJ∗A90LALH	-	-	16
12	33.5	AJ∗108LALH	AJ∗108LALH	-	-	17
14	40.0	AJ∗126LALH	AJ∗126LALH	-	-	21
16	45.0	AJ∗144LALH	AJ∗144LALH	-	-	24
18	50.4	AJ∗162LALH	AJ∗A90LALH	AJ∗A72LALH	-	32
20	55.9	AJ∗180LALH	AJ∗108LALH	AJ∗A72LALH	-	32
22	61.5	AJ∗198LALH	AJ∗108LALH	AJ∗A90LALH	-	32
24	67.0	AJ∗216LALH	AJ∗108LALH	AJ∗108LALH	-	35
26	73.5	AJ∗234LALH	AJ∗126LALH	AJ∗108LALH	-	39
28	78.5	AJ∗252LALH	AJ∗144LALH	AJ∗108LALH	-	42
30	85.0	AJ∗270LALH	AJ∗144LALH	AJ∗126LALH	-	45
32	90.0	AJ∗288LALH	AJ∗144LALH	AJ∗144LALH	-	48
34	95.0	AJ∗306LALH	AJ∗108LALH	AJ∗108LALH	AJ∗A90LALH	48
36	100.5	AJ∗324LALH	AJ∗108LALH	AJ∗108LALH	AJ∗108LALH	48
38	107.0	AJ∗342LALH	AJ∗126LALH	AJ∗108LALH	AJ∗108LALH	48
40	112.0	AJ∗360LALH	AJ∗144LALH	AJ∗108LALH	AJ∗108LALH	48
42	118.5	AJ∗378LALH	AJ∗144LALH	AJ∗126LALH	AJ∗108LALH	48
44	123.5	AJ∗396LALH	AJ∗144LALH	AJ∗144LALH	AJ∗108LALH	48
46	130.0	AJ∗414LALH	AJ∗144LALH	AJ∗144LALH	AJ∗126LALH	48
48	135.0	AJ∗432LALH	AJ∗144LALH	AJ∗144LALH	AJ∗144LALH	48

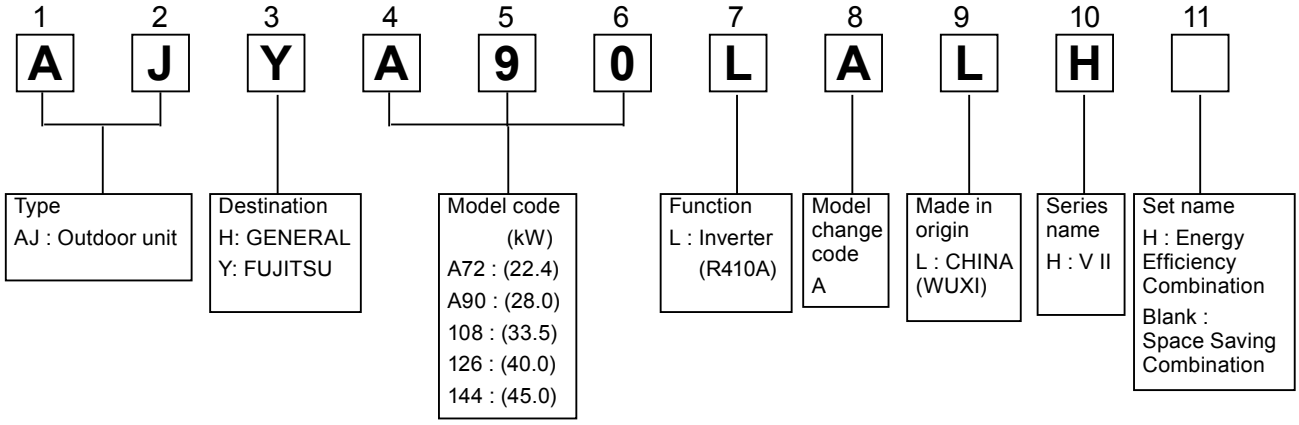
GENERAL INFORMATION

■ ENERGY EFFICIENCY COMBINATION

● Combinations other than the followings are prohibited.

HP	Capacity (kW)	Set model name	Unit1 (Model name)	Unit2 (Model name)	Unit3 (Model name)	Maximum connectable indoor unit
16	44.8	AJ∗144LALHH	AJ∗A72LALH	AJ∗A72LALH	-	30
22	62.4	AJ∗198LALHH	AJ∗126LALH	AJ∗A72LALH	-	33
24	67.2	AJ∗216LALHH	AJ∗A72LALH	AJ∗A72LALH	AJ∗A72LALH	36
26	72.8	AJ∗234LALHH	AJ∗A90LALH	AJ∗A72LALH	AJ∗A72LALH	39
28	78.3	AJ∗252LALHH	AJ∗108LALH	AJ∗A72LALH	AJ∗A72LALH	42
30	84.8	AJ∗270LALHH	AJ∗126LALH	AJ∗A72LALH	AJ∗A72LALH	45
32	89.4	AJ∗288LALHH	AJ∗108LALH	AJ∗108LALH	AJ∗A72LALH	48
34	95.9	AJ∗306LALHH	AJ∗126LALH	AJ∗108LALH	AJ∗A72LALH	48
36	102.4	AJ∗324LALHH	AJ∗126LALH	AJ∗126LALH	AJ∗A72LALH	48
40	113.5	AJ∗360LALHH	AJ∗126LALH	AJ∗126LALH	AJ∗108LALH	48
42	120.0	AJ∗378LALHH	AJ∗126LALH	AJ∗126LALH	AJ∗126LALH	48
44	125.0	AJ∗396LALHH	AJ∗144LALH	AJ∗126LALH	AJ∗126LALH	48

■ MODEL DESIGNATION



GENERAL INFORMATION

1-2-2. INDOOR UNIT

■ LINE UP (1/2)

Various combinations of types and capacity 11 types 49 models, ranging from 2.2kW to 25.0kW.

Capacity		Compact Cassette	Cassette	Compact Duct	Low Static Pressure Duct	Duct	High Static Pressure Duct
kW	Model code						
2.2	7	●		●			
2.8	9	●		●			
3.6	12	●		●			
4.5	14	●		●			
5.6	18	●	●	●			
7.1	24	●	●		●	●	
9.0	30		●		●	●	
11.2	36		●		●	●	●
12.5	45		●		●	●	●
14.0	54		●				
18.0	60						●
22.4	72						●
25.0	90						●

Compact Cassette	Cassette	Compact Duct
AUXB07LALH AUXB09LALH AUXB12LALH AUXB14LALH AUXB18LALH AUXB24LALH	AUXD18LALH AUXD24LALH AUXA30LALH AUXA36LALH AUXA45LALH AUXA54LALH	ARXB07LALH ARXB09LALH ARXB12LALH ARXB14LALH ARXB18LALH

Low Static Pressure Duct	Duct	High Static Pressure Duct
ARXB24LATH ARXB30LATH ARXB36LATH ARXB45LATH	ARXA24LATH ARXA30LATH ARXA36LATH ARXA45LATH	ARXC36LATH ARXC45LATH ARXC60LATH ARXC72LATH ARXC90LATH

GENERAL INFORMATION

■ LINE UP (2/2)

Various combinations of types and capacity 11 types 49 models, ranging from 2.2kW to 25.0kW.

Capacity		Floor / Ceiling	Ceiling	Compact Wall Mounted (EEV internal)	Compact Wall Mounted (EEV external)	Wall Mounted
kW	Model code					
2.2	7			●	●	
2.8	9			●	●	
3.6	12	●		●	●	
4.5	14	●		●	●	
5.6	18	●				●
7.1	24	●				●
9.0	30		●			●
11.2	36		●			
12.5	45		●			
14.0	54		●			
18.0	60					
22.4	72					
25.0	90					

Floor / Ceiling	Ceiling	Compact Wall Mounted (EEV internal)
AB∗A12LATH AB∗A14LATH AB∗A18LATH AB∗A24LATH	AB∗A30LATH AB∗A36LATH AB∗A45LATH AB∗A54LATH	AS∗A07LACH AS∗A09LACH AS∗A12LACH AS∗A14LACH

Compact Wall Mounted (EEV external)	Wall Mounted
AS∗E07LACH AS∗E09LACH AS∗E12LACH AS∗E14LACH EV kit	AS∗A18LATH AS∗A24LATH AS∗A30LATH

■ MODEL DESIGNATION

1	2	3	4	5	6	7	8	9	10
A	U	X	B	1	2	L	A	L	H

Type
AU: Cassette
AR: Duct
AB: Floor/Ceiling or Ceiling
AS: Wall Mounted

Destination
H: GENERAL
Y: FUJITSU
X:Neutral brand

Model
A: Standard
B: Compact (AU)
B: Low Static Pressure (AR)
C: High Static Pressure (AR)
D: Slim (AU)
E: EEV external (AS)

Model code (kW)
07 (2.2)
09 (2.8)
12 (3.6)
14 (4.5)
18 (5.6)
24 (7.1)
30 (9.0)
36 (11.2)
45 (12.5)
54 (14.0)
60 (18.0)
72 (22.4)
90 (25.0)

Function
L : Inverter (R410A)

Model change code
A

Made in origin
C: CHINA (SHANGHAI)
L : CHINA (WUXI)
T : THAILAND

Series name
H : V II

GENERAL INFORMATION

1-2-3. CONTROLLER

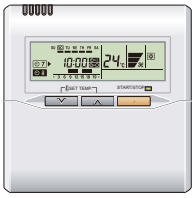
■ LINE UP

Type	Model
System Controller	UTY-APGX
Touch Panel Controller	UTY-DTG∗
Group Remote Controller	UTY-CGG∗
Wired Remote Controller	UTY-RNK∗
Simple Remote Controller (With master control)	UTY-RSK∗
Simple Remote Controller (Without master control)	UTY-RHK∗
Wireless Remote Controller	UTY-LNH∗

■ CENTRAL CONTROL

System Controller	Touch Panel Controller	Group Remote Controller
UTY-APGX	UTY-DTG∗	UTY-CGG∗ Network Convertor (UTY-VGGX) is necessary to connect Group Remote Controller to VRF network system.

■ INDIVIDUAL CONTROL

Wired Remote Controller	Simple Remote Controller		Wireless Remote Controller
	(With operation mode)	(Without operation mode)	
 UTY-RNK∗	UTY-RSK∗	UTY-RHK∗	UTY-LNH∗

■ MODEL DESIGNATION

1	2	3	4	5	6	7	8	9
U	T	Y	-	R	N	K	Y	T

Series name
UTY : Control unit

Type
APG: System Controller
DTG: Touch Panel Controller
CGG: Group Remote Controller
RNK: Wired Remote Controller
RSK: Simple Remote Controller (with operation mode)
RHK: Simple Remote Controller (without operation mode)
LNH: Wireless Remote Controller

Destination
G: GENERAL
Y: FUJITSU
YT: FUJITSU (Australian standard)
X:Neutral brand

GENERAL INFORMATION

1-2-4. ADAPTOR / CONVERTOR / MAINTENANCE

Network Convertor

Model : UTY-VGGX

Split type systems can be controlled from a central controller via the convertor.

Group remote controller can be controlled up to 96 indoor units via the convertor.

Network Convertor for LonWorks®

Model : UTY-VLGX

For connection between VRF network system and a LonWorks® open network for management of small to medium-sized BMS.

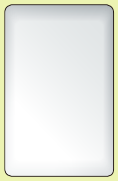
Signal Amplifier

Model : UTY-VSGX

If the total length of transmission line exceeds 500m, or the number of units exceeds 64, Signal Amplifier will be necessary to use.

External Switch Controller

Model : UTY-TEKX



Air conditioner switching can be controlled by connecting other external sensor switches.

Service Tool

Model : UTY-ASGX

Extensive monitoring and analysis functions for installation and maintenance. Operation status and error history can be grasped promptly and adequately.

Web Monitoring Tool

Model : UTY-AMGX

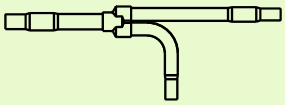
Trouble free operation at all times by web monitoring system. The operation status of the VRF network system within the building can be monitored in real time over the Internet.

GENERAL INFORMATION

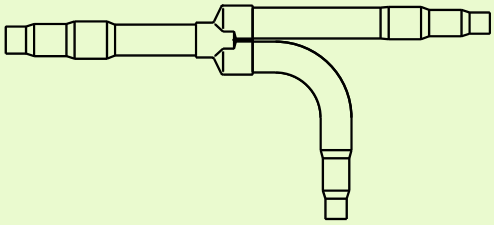
1-2-5. BRANCH KIT

Outdoor Unit Branch Kit — Model :UTR-CP567X

Liquid Pipe

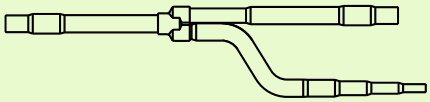


Gas Pipe

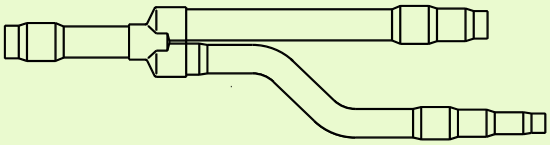


Separation Tube — Model :UTR-BP567X

Liquid Pipe

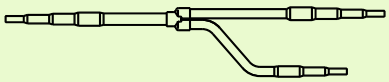


Gas Pipe

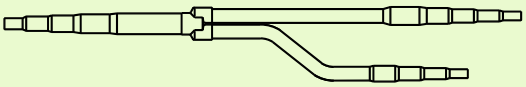


Separation Tube — Model :UTR-BP090X

Liquid Pipe

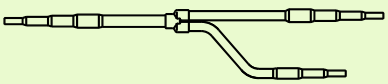


Gas Pipe

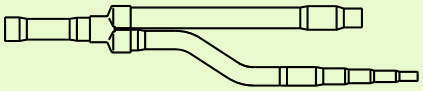


Separation Tube — Model :UTR-BP180X

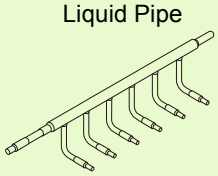
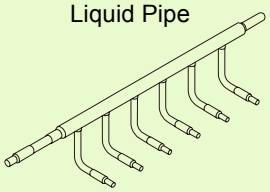
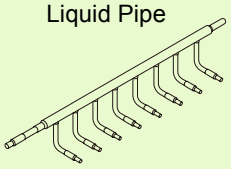
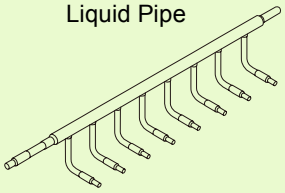
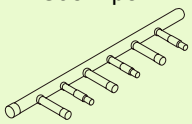
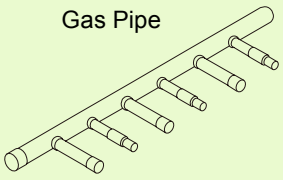
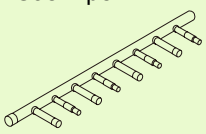
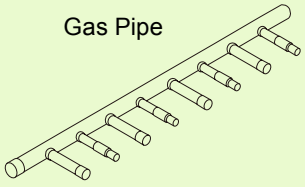
Liquid Pipe



Gas Pipe



Header

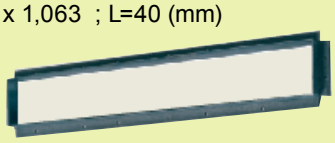
Model : UTR-H0906L	Model : UTR-H1806L	Model : UTR-H0908L	Model : UTR-H1808L
Liquid Pipe 	Liquid Pipe 	Liquid Pipe 	Liquid Pipe 
Gas Pipe 	Gas Pipe 	Gas Pipe 	Gas Pipe 

GENERAL INFORMATION

1-2-6. OTHERS (optional parts)

Flange (Square)
Model : UTD-SF045T

For Low Static Pressure Duct / Duct type
205 x 1,063 ; L=40 (mm)

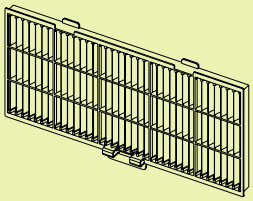


Flange (Round)
Model : UTD-RF204

For Low Static Pressure Duct / Duct type
ø195 (ø205) ; L=85 (mm)

Long-life Filter
Model : UTD-LF25NA

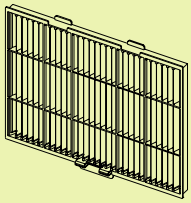
For Low Static Pressure Duct / Duct type



x 2 pcs

Long-life Filter
Model : UTD-LF60KA

For High Static Pressure Duct type



For ARXC36
For ARXC45
For ARXC60

x 2 pcs

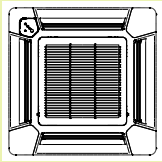
Drain Pump Unit
Models : UTZ-PX1BBA *1
UTZ-PX1NBA *2

*1 For Compact Duct type
*2 For Low Static Pressure Duct type / Duct type

Drain Pump Unit
Model : UTR-DPB24T

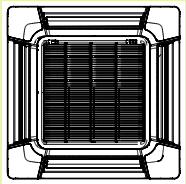
For Ceiling type

Grille Kit
Models : UTG-UFYC-W
UTG-UFGC-W



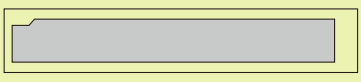
For Compact Cassette type

Grille Kit
Models : UTG-UGYA-W
UTG-UGGA-W



For Cassette type

Air outlet shutter plate
Models : UTR-YDZB



For Compact Cassette type

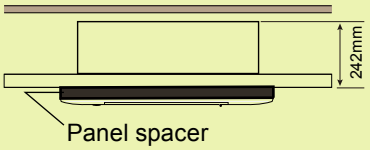
Air outlet shutter plate
Models : UTR-YDZC

For Cassette type

GENERAL INFORMATION

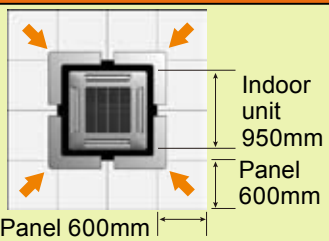
Panel spacer

Model : UTG-BGYA-W



Wide panel

Model : UTG-AGYA-W



IR Receiver Unit

Models : UTB-YWB
UTB-TWB

For all Duct type

IR Receiver Unit

Models : UTY-LRHYB1
UTY-LRHGB1

For Cassette type

Remote Sensor Unit

Model : UTD-RS100

Thermo-sensor for sensing the temperature of arbitrary place in the room

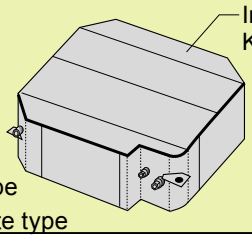
EV Kit

Models : UTR-EV09XB
UTR-EV14XB

For Compact Wall Mounted type (EEV external type)

Insulation Kit for High Humidity

Models : UTZ-KXGA *1
UTZ-KXGB *2
UTZ-KXGC *3



*1 For Cassette type
*2 For Slim Cassette type
*3 For Compact Cassette type

Fresh air intake kit

Model : UTZ-VXAA

For Compact Cassette type

Fresh air intake kit

Model : UTZ-VXGA

For Cassette type

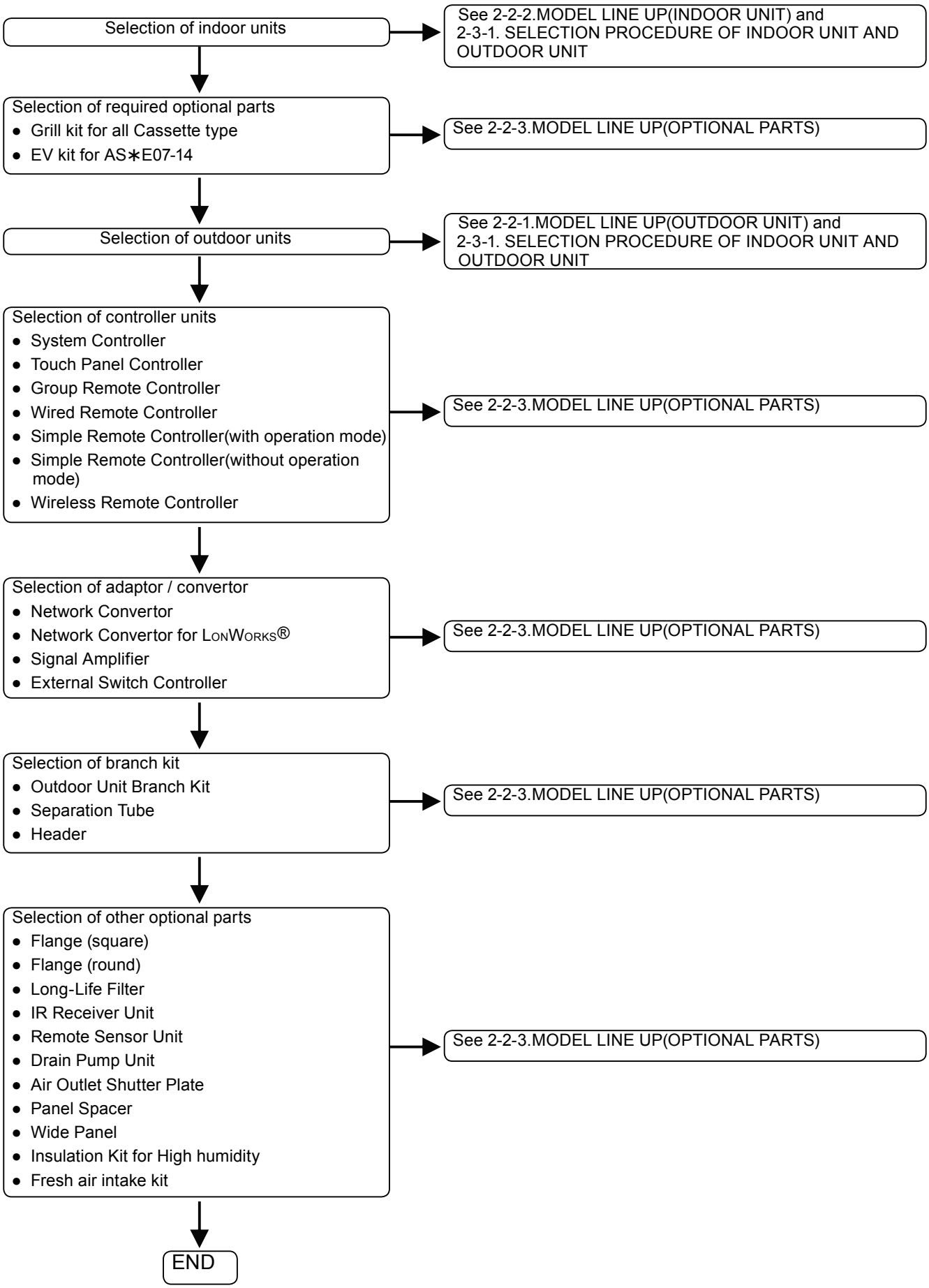
Refrigerant R410A INVERTER

AIRSTAGE™ V-II

Variable Refrigerant Flow System

2. MODEL SELECTION

2-1. MODEL SELECTION PROCEDURE



2-2. MODEL LINE UP

2-2-1. OUTDOOR UNIT

■ SPACE SAVING COMBINATION

- Combinations other than the followings are prohibited.

HP	Capacity (kW)		Model name	Unit1 (HP)	Unit2 (HP)	Unit3 (HP)	Maximum connectable indoor unit	Indoor unit connectable capacity (kW)
	Cooling	Heating						
8	22.4	25.0	AJ∗A72LALH	8	-	-	15	11.2 to 33.6
10	28.0	31.5	AJ∗A90LALH	10	-	-	16	14.0 to 42.0
12	33.5	37.5	AJ∗108LALH	12	-	-	17	16.8 to 50.2
14	40.0	45.0	AJ∗126LALH	14	-	-	21	20.0 to 60.0
16	45.0	50.0	AJ∗144LALH	16	-	-	24	22.5 to 67.5
18	50.4	56.5	AJ∗162LALH	10	8	-	32	25.2 to 75.6
20	55.9	62.5	AJ∗180LALH	12	8	-	32	28.0 to 83.8
22	61.5	69.0	AJ∗198LALH	12	10	-	32	30.8 to 92.2
24	67.0	75.0	AJ∗216LALH	12	12	-	35	33.5 to 100.5
26	73.5	82.5	AJ∗234LALH	14	12	-	39	36.8 to 110.2
28	78.5	87.5	AJ∗252LALH	16	12	-	42	39.3 to 117.7
30	85.0	95.0	AJ∗270LALH	16	14	-	45	42.5 to 127.5
32	90.0	100.0	AJ∗288LALH	16	16	-	48	45.0 to 135.0
34	95.0	106.5	AJ∗306LALH	12	12	10	48	47.5 to 142.5
36	100.5	112.5	AJ∗324LALH	12	12	12	48	50.3 to 150.7
38	107.0	120.0	AJ∗342LALH	14	12	12	48	53.5 to 160.5
40	112.0	125.0	AJ∗360LALH	16	12	12	48	56.0 to 168.0
42	118.5	132.5	AJ∗378LALH	16	14	12	48	59.3 to 177.7
44	123.5	137.5	AJ∗396LALH	16	16	12	48	61.8 to 185.2
46	130.0	145.0	AJ∗414LALH	16	16	14	48	65.0 to 195.0
48	135.0	150.0	AJ∗432LALH	16	16	16	48	67.5 to 202.5

MODEL SELECTION

■ ENERGY EFFICIENCY COMBINATION

- Combinations other than the followings are prohibited.

HP	Capacity (kW)		Set model name	Unit1 (HP)	Unit2 (HP)	Unit3 (HP)	Maximum connectable indoor unit	Indoor unit connectable capacity (kW)
	Cooling	Heating						
16	44.8	50.0	AJ∗144LALHH	8	8	-	30	22.4 to 67.2
22	62.4	70.0	AJ∗198LALHH	14	8	-	33	31.2 to 93.6
24	67.2	75.0	AJ∗216LALHH	8	8	8	36	33.6 to 100.8
26	72.8	81.5	AJ∗234LALHH	10	8	8	39	36.4 to 109.2
28	78.3	87.5	AJ∗252LALHH	12	8	8	42	39.2 to 117.4
30	84.8	95.0	AJ∗270LALHH	14	8	8	45	42.4 to 127.2
32	89.4	100.0	AJ∗288LALHH	12	12	8	48	44.7 to 134.1
34	95.9	107.5	AJ∗306LALHH	14	12	8	48	48.0 to 143.8
36	102.4	115.0	AJ∗324LALHH	14	14	8	48	51.2 to 153.6
40	113.5	127.5	AJ∗360LALHH	14	14	12	48	56.8 to 170.2
42	120.0	135.0	AJ∗378LALHH	14	14	14	48	60.0 to 180.0
44	125.0	140.0	AJ∗396LALHH	16	14	14	48	62.5 to 187.5

2-2-2. INDOOR UNIT

■ LINE UP

Type	Rated capacity (kW)		Model name	Dimensions H x W x D (mm)	Remarks
	Cooling	Heating			
Compact Cassette	2.2	2.8	AUXB07LALH	245 x 570 x 570	UTG-UFYC-W (FUJITSU) UTG-UFGC-W (GENERAL)
	2.8	3.2	AUXB09LALH		
	3.6	4.1	AUXB12LALH		
	4.5	5.0	AUXB14LALH		
	5.6	6.3	AUXB18LALH		
	7.1	8.0	AUXB24LALH		
Cassette	5.6	6.3	AUXD18LALH	246 x 840 x 840	UTG-UGYA-W (FUJITSU) UTG-UGGA-W (GENERAL)
	7.1	8.0	AUXD24LALH		
	9.0	10.0	AUXA30LALH	288 x 840 x 840	
	11.2	12.5	AUXA36LALH		
	12.5	14.0	AUXA45LALH		
	14.0	16.0	AUXA54LALH		
Compact Duct	2.2	2.8	ARXB07LALH	217 x 663 x 595	
	2.8	3.2	ARXB09LALH		
	3.6	4.1	ARXB12LALH	217 x 953 x 595	
	4.5	5.0	ARXB14LALH		
	5.6	6.3	ARXB18LALH		
Low Static Pressure Duct	7.1	8.0	ARXB24LATH	270 x 1135 x 700	
	9.0	10.0	ARXB30LATH		
	11.2	12.5	ARXB36LATH		
	12.5	14.0	ARXB45LATH		
Duct	7.1	8.0	ARXA24LATH	270 x 1135 x 700	
	9.0	10.0	ARXA30LATH		
	11.2	12.5	ARXA36LATH		
	12.5	14.0	ARXA45LATH		
High Static Pressure Duct	11.2	12.5	ARXC36LATH	400 x 1050 x 500	
	12.5	14.0	ARXC45LATH		
	18.0	20.0	ARXC60LATH		
	22.4	25.0	ARXC72LATH	450 x 1550 x 700	
	25.0	28.0	ARXC90LATH		
Floor / Ceiling	3.6	4.1	AB∗A12LATH	199 x 990 x 655	
	4.0	4.5	AB∗A14LATH		
	5.6	6.3	AB∗A18LATH		
	7.1	8.0	AB∗A24LATH		
Ceiling	9.0	10.0	AB∗A30LATH	240 x 1660 x 700	
	11.2	12.5	AB∗A36LATH		
	12.5	14.0	AB∗A45LATH		
	14.0	16.0	AB∗A54LATH		
Compact Wall Mounted (EEV internal model)	2.2	2.8	AS∗A07LACH	275 x 790 x 215	
	2.8	3.2	AS∗A09LACH		
	3.6	4.1	AS∗A12LACH		
	4.5	5.0	AS∗A14LACH		
Compact Wall Mounted (EEV external model)	2.2	2.8	AS∗E07LACH	275 x 790 x 215	UTR-EV09XB
	2.8	3.2	AS∗E09LACH		
	3.6	4.1	AS∗E12LACH		UTR-EV14XB
	4.5	5.0	AS∗E14LACH		
Wall Mounted	5.6	6.3	AS∗A18LATH	320 x 1120 x 220	
	7.1	8.0	AS∗A24LATH		
	8.0	8.8	AS∗A30LATH		

2-2-3. OPTIONAL PARTS

■ CONTROLLER

Items	Model name	Remarks
System Controller	UTY-APGX	
Touch Panel Controller	UTY-DTG∗	
Group Remote Controller	UTY-CGG∗	
Wired Remote Controller	UTY-RNK∗	
Simple Remote Controller (With operation mode)	UTY-RSK∗	
Simple Remote Controller (Without operation mode)	UTY-RHK∗	
Wireless Remote Controller	UTY-LNH∗	

■ ADAPTOR / CONVERTOR / MAINTENANCE TOOL

Items	Model name	Remarks
Network Convertor	UTY-VGGX	
Network Convertor for LonWorks®	UTY-VLGX	
Signal Amplifier	UTY-VSGX	
External Switch Controller	UTY-TEKX	
Service Tool	UTY-ASGX	
Web Monitoring Tool	UTY-AMGX	

■ BRANCH KIT

Items	Model name	Total cooling capacity of indoor units (kW) *1
Outdoor Unit Branch Kit	UTR-CP567X	-
Separation Tube	UTR-BP090X	28.0 or less
	UTR-BP180X	28.1 to 56.0
	UTR-BP567X	56.1 or more
Header	UTR-H0906L	28.0 or less
	UTR-H1806L	28.1 to 56.0
	UTR-H0908L	28.0 or less
	UTR-H1808L	28.1 to 56.0

∗1 : Total cooling capacity of indoor units means the total value of indoor unit cooling capacity connected downstream.

■ EV KIT

Items	Model name	Applicable indoor unit
EV Kit	UTR-EV09XB	AS∗E07LACH, AS∗E09LACH
	UTR-EV14XB	AS∗E12LACH, AS∗E14LACH

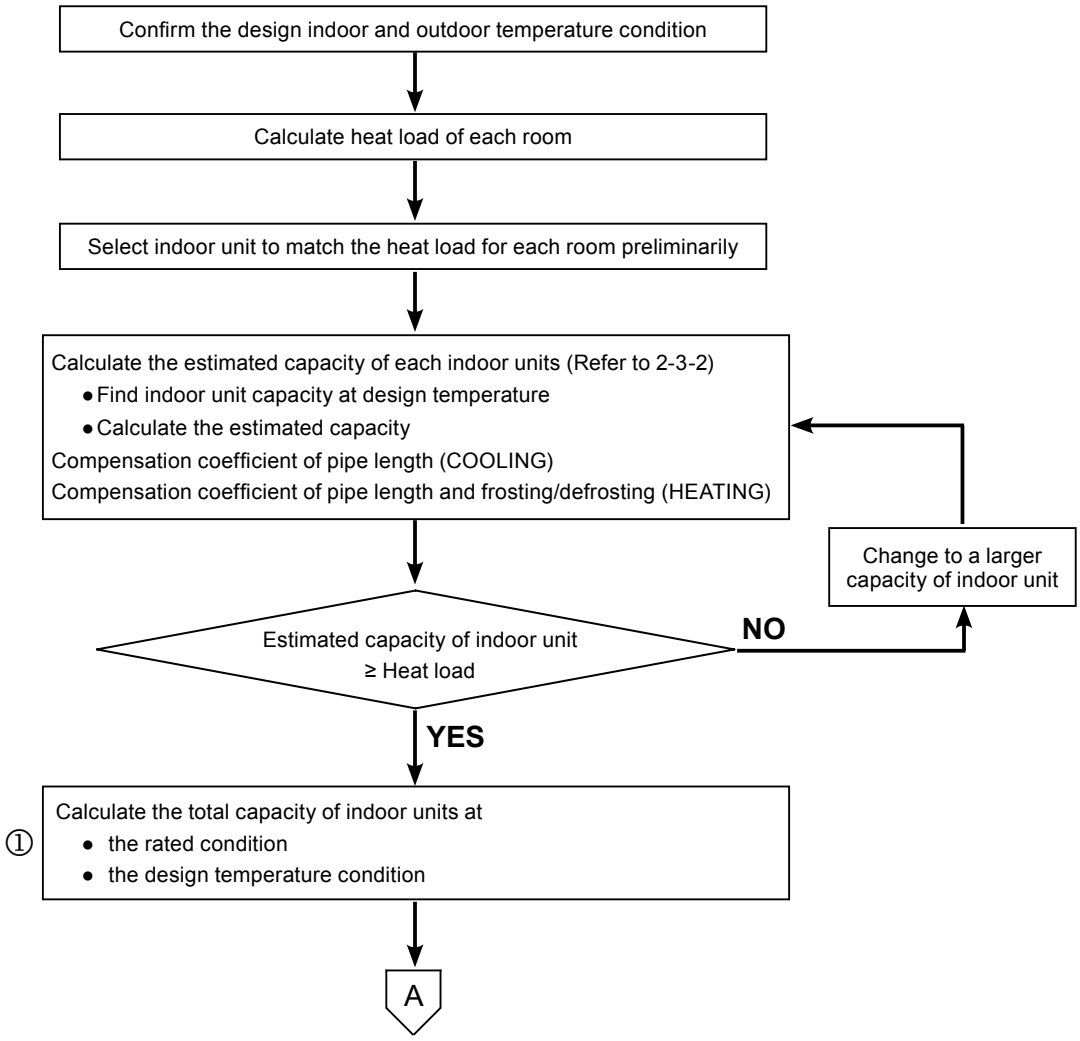
■ OTHERS

Items	Model name	Remarks
Flange (Square)	UTD-SF045T	For Low Static Pressure Duct / Duct type
Flange (Round)	UTD-RF204	For Low Static Pressure Duct / Duct type
Long-Life Filter	UTD-LF25NA	For Low Static Pressure Duct / Duct type
	UTD-LF60KA	For High Static Pressure Duct type (ARXC36-60)
Drain Pump Unit	UTZ-PX1BBA	For Compact Duct type
	UTZ-PX1NBA	For Low Static Pressure Duct / Duct type
	UTR-DPB24T	For Ceiling type
Grille Kit	UTG-UF∗C-W	For Compact Cassette type
	UTG-UG∗A-W	For Cassette type
Air Outlet Shutter Plate	UTR-YDZB	For Compact Cassette type
	UTR-YDZC	For Cassette type
Panel Spacer	UTG-BGYA-W	For Cassette type
Wide Panel	UTG-AGYA-W	For Cassette type
IR Receiver Unit	UTB-∗WB	For all Duct type
	UTY-LRH∗B1	For Cassette type
Remote Sensor Unit	UTD-RS100	
Insulation Kit for High Humidity	UTZ-KXGA	For Cassette type
	UTZ-KXGB	For Slim Cassette type
	UTZ-KXGC	For Compact Cassette type
Fresh air intake kit	UTZ-VXAA	For Compact Cassette type
	UTZ-VXGA	For Cassette type

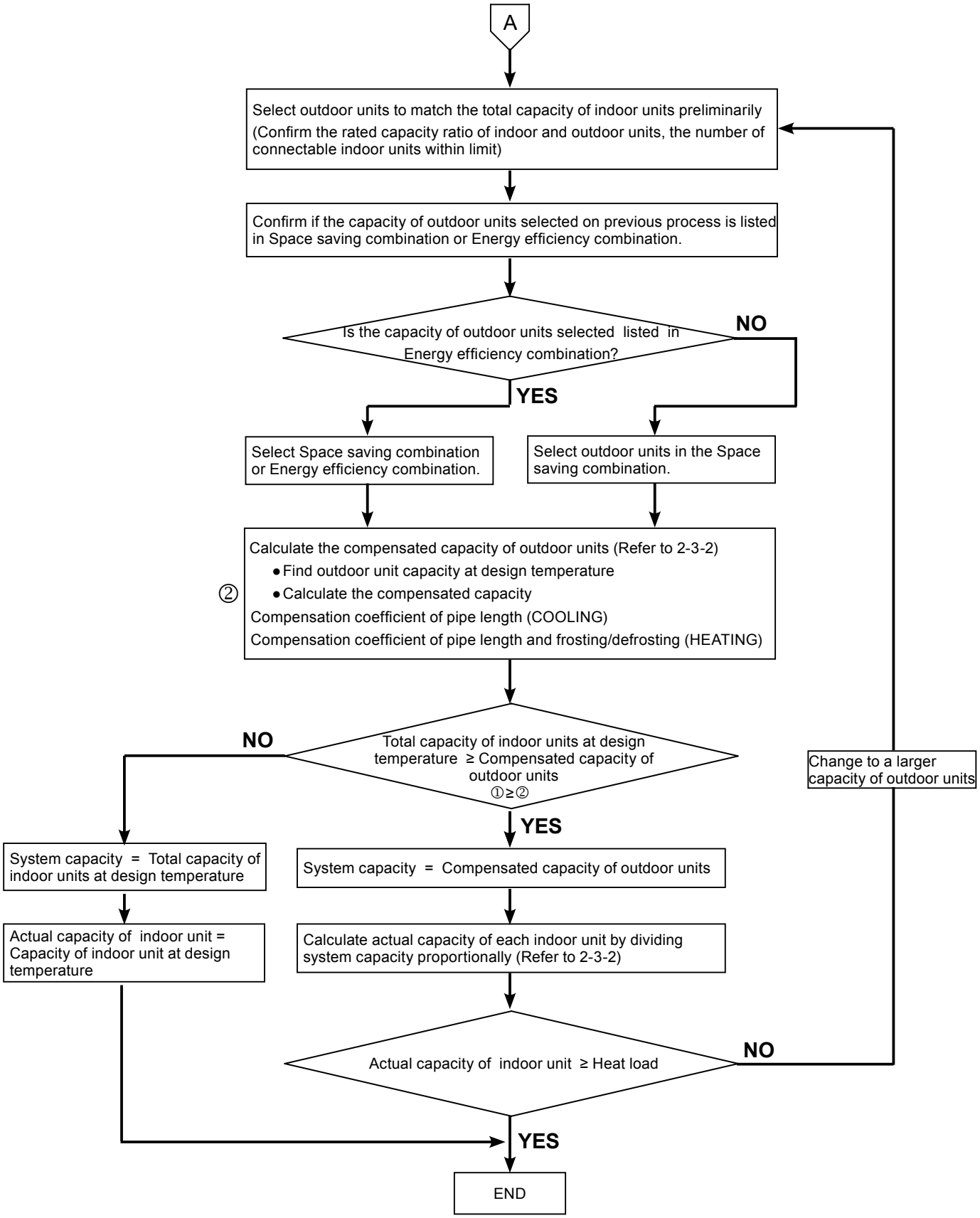
2-3. MODEL SELECTION AND CAPACITY CALCULATION

2-3-1. SELECTION PROCEDURE OF INDOOR UNIT AND OUTDOOR UNIT

Please select indoor units and outdoor units and make the capacity of each indoor unit be larger than cooling and heating load.



MODEL SELECTION



MODEL SELECTION

2-3-2. METHOD OF CAPACITY CALCULATION

The capacity calculation method which takes the effects of air temperature, pipe length and frosting/defrosting into consideration is shown below.

1. Calculate the estimated capacity of each indoor unit.

(1) Find **capacity of indoor unit at rated condition (TCin)r and at design temperature (TCin)d**
[from 2-7 CAPACITY TABLE COOLING (INDOOR UNIT) or 2-8 CAPACITY TABLE HEATING (INDOOR UNIT)]

(2) Find the following compensation coefficient [From 2-6 CAPACITY COMPENSATION COEFFICIENT].

- **Compensation coefficient of pipe length**
- **Compensation coefficient of frosting/defrosting** (Heating calculation only)

(3) Calculate **the estimated capacity of indoor unit (TCin)e.**

COOLING:

Estimated capacity of indoor unit (TCin)e
= Capacity of indoor unit at design temperature (TCin)d
x Compensation coefficient of pipe length

HEATING:

Estimated capacity of indoor unit (TCin)e
= Capacity of indoor unit at design temperature (TCin)d
x Compensation coefficient of pipe length
x Compensation coefficient of frosting/defrosting

2. Calculate the compensated capacity of outdoor units.

(4) Find **capacity of outdoor unit at rated condition (TCout)r** [From 2-2 MODEL LINE UP].

(5) Calculate **total rated capacity of indoor units : ∑(TCin)r**
and **ratio to the rated capacity of outdoor units : ∑(TCin)r / (TCout)r** .

(6) Find capacity of outdoor units at design temperature (TCout)d
[using result of (5) and 2-4 CAPACITY TABLE (OUTDOOR UNIT)].

(7) Calculate the compensated capacity of outdoor units (TCout)c.

COOLING:

Compensated capacity of outdoor units (TCout)c
= Capacity of outdoor unit at design temperature (TCout)d
x Compensation coefficient of pipe length

HEATING:

Compensated capacity of outdoor units (TCout)c
= Capacity of outdoor unit at design temperature (TCout)d
x Compensation coefficient of pipe length
x Compensation coefficient of frosting/defrosting

3. Decide system capacity.

(8) Calculate **total capacity of indoor units at design temperature ∑(TCin)d.**

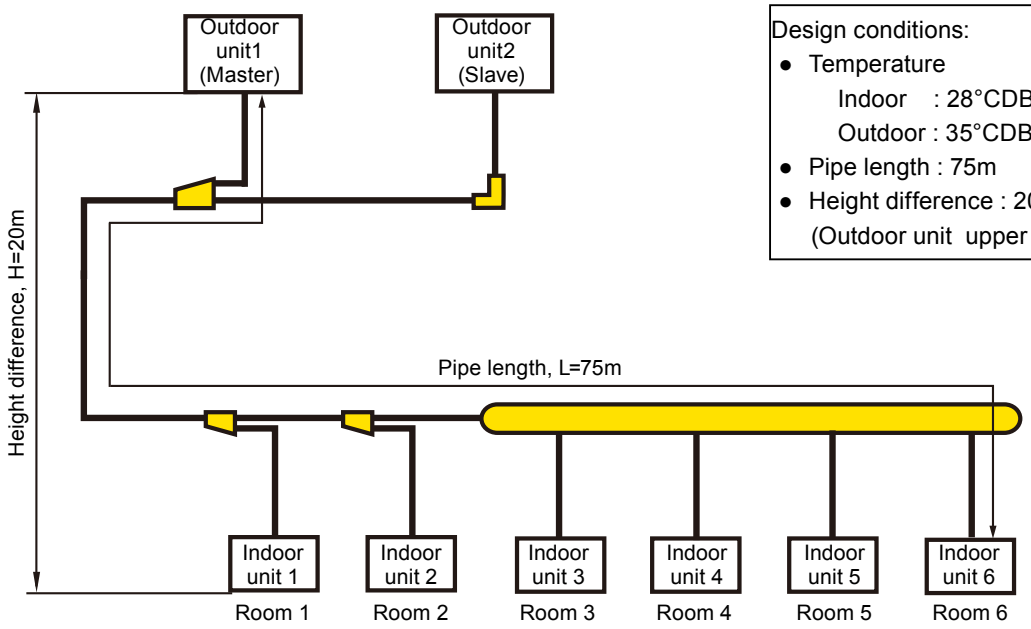
(9) **System capacity** = the smaller one of (TCout)c and ∑(TCin)d. ••••••••• **(7) or (8)**

4. Calculate actual capacity of each indoor unit.

(10) Calculate actual capacity of each indoor unit by dividing system capacity proportionally.

Actual capacity of indoor unit = (System capacity) x (Rated capacity of indoor unit) / (Total rated capacity of indoor unit)
= (System capacity) x (TCin)r / ∑(TCin)r ••••• **(9) x (1) / (5)**

2-3-3. THE EXAMPLE OF CALCULATION



Design conditions:
- Temperature
  Indoor : 28°CDB / 20°CWB
  Outdoor : 35°CDB
- Pipe length : 75m
- Height difference : 20m
  (Outdoor unit upper side)

Fig.1 Outline of the system

● Selection of indoor unit

			Room 1	Room 2	Room 3	Room 4	Room 5	Room 6	Remark
A-1	Cooling heat load	kW	12.0	12.0	12.0	10.5	8.5	8.5	
A-2	Indoor unit models		AUXA45	AUXA45	AUXA45	AUXA36	AUXA30	AUXA30	
A-3	Rated capacity $(TC_{in})_r$	kW	12.5	12.5	12.5	11.2	9.0	9.0	See 2-7
A-4	Capacity at design temperature $(TC_{in})_d$	kW	13.5	13.5	13.5	12.1	9.7	9.7	See 2-7
A-5	Compensation coefficient of pipe length		0.90						See 2-6
A-6	Estimated capacity of indoor unit $(TC_{in})_e$	kW	12.2	12.2	12.2	10.9	8.7	8.7	(A-4) x (A-5)
A-7	Total rated capacity $\sum(TC_{in})_r$	kW	66.7						Sum of A-3
A-8	Total capacity at design temperature $\sum(TC_{in})_d$	kW	72.0						Sum of A-4

● Preliminary selection of outdoor unit

				Remark
B-1	Outdoor unit model		22HP : AJ∗198LALH (AJ∗108LALH + AJ∗A90LALH)	
B-2	Rated capacity $(TC_{out})_r$	kW	61.5	See 2-2
B-3	Total rated capacity of indoor unit / Rated capacity of outdoor unit $\sum(TC_{in})_r$ / $(TC_{out})_r$	%	108.5	(A-7) / (B-2)
B-4	Capacity at design temperature $(TC_{out})_d$	kW	69.2	See Fig.2 2)
B-5	Compensation coefficient of pipe length		0.90	See 2-6
B-6	Compensated capacity of outdoor unit $(TC_{out})_c$	kW	62.3	(B-4) x (B-5)

● Decide system capacity

				Remark
C-1	System capacity	kW	62.3	Smaller one of (A-8) and (B-6)

● Calculate actual capacity of each indoor unit

		Room 1	Room 2	Room 3	Room 4	Room 5	Room 6	Remark
Actual capacity of each indoor unit	kW	11.7	11.7	11.7	10.5	8.4	8.4	(C-1) x (A-3) / (A-7)

Since the capacities of indoor units are smaller than the cooling heat loads, change to a larger capacity of outdoor units and calculate again.

● Change to a larger capacity of outdoor unit

				Remark
B'-1	Outdoor unit model		24HP : AJ∗216LALH (AJ∗108LALH + AJ∗108LALH)	
B'-2	Rated capacity $(TC_{out})_r$	kW	67.0	See 2-2
B'-3	Total rated capacity of indoor unit / Rated capacity of outdoor unit $\sum(TC_{in})_r$ / $(TC_{out})_r$	%	99.6	(A-7) / (B'-2)
B'-4	Capacity at design temperature $(TC_{out})_d$	kW	72.3	See Fig.2 3)
B'-5	Compensation coefficient of pipe length		0.90	See 2-6
B'-6	Compensated capacity of outdoor unit $(TC_{out})_c$	kW	65.1	(B'-4) x (B'-5)

● Decide system capacity

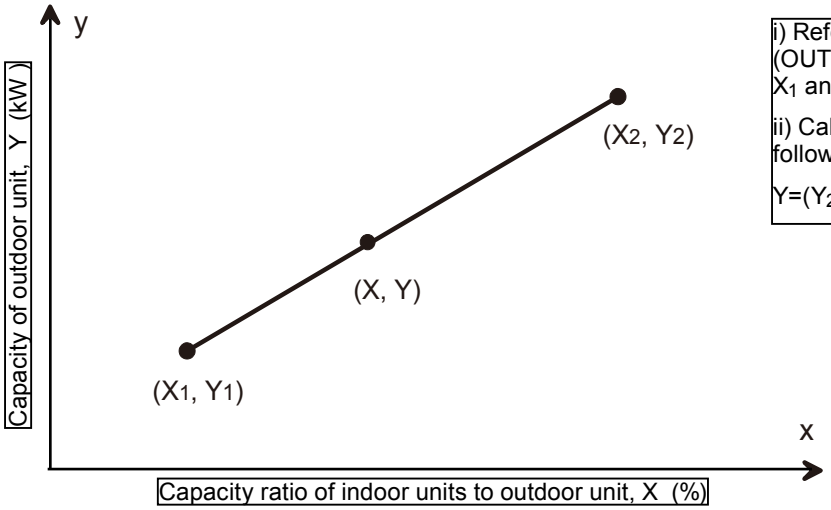
				Remark
C'-1	System capacity	kW	65.1	Smaller one of (A-8) and (B'-6)

● Calculate actual capacity of each indoor unit

		Room 1	Room 2	Room 3	Room 4	Room 5	Room 6	Remark
Actual capacity of each indoor unit	kW	12.2	12.2	12.2	10.9	8.8	8.8	(C'-1) x (A-3) / (A-7)

Actual capacity of all indoor units is larger than cooling heat load of each room.

1) Equation for capacity calculation of outdoor unit.



i) Refer to 2-4. CAPACIYY TABLE (OUTDOOR UNIT) to find Y_1 and Y_2 using X_1 and X_2.

ii) Calculate capacity of outdoor unit using following equation:

$Y=(Y_2-Y_1) / (X_2-X_1) \times (X-X1) + Y_1$

2) Cooling capacity table of 22HP outdoor units: AJ∗198LALH(AJ∗108LALH + AJ∗A90LALH)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature									
		20°CDB / 15 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	10	44.4	6.74	67.6	9.87	73.3	10.64	84.8	12.96	88.5	13.77
	.	.	.	.	.	.	.	.	.	.	.
67.7 (110%)	.	.	.	.	.	.	.	.	.	.	.
X_2	35	44.4	10.92	67.6	20.27	69.6	20.86	72.3	21.21	73.6	21.39
	.	.	.	.	.	Y_2	.	.	.	.	.
	46	44.4	15.57	61.7	24.75		24.93	65.5	25.29	66.7	25.47
	10	40.4	6.19	61.5	9.03	66.6	9.74	77.1	11.16	82.4	12.32
	.	.	.	.	.	.	.	.	.	.	.
61.5 (100%)	.	.	.	.	.	.	.	.	.	.	.
X_1	35	40.4	9.67	61.5	17.35	66.6	19.83	70.6	20.99	71.9	21.17
	.	.	.	.	.	Y_1	.	.	.	.	.
	46	40.4	13.65	60.4	24.55		24.73	64.1	25.09	65.3	25.26

Capacity ratio of indoor units to outdoor unit	X1 = 100 %	X = 108.5 %	X2 = 110 %
Capacity of outdoor units (kW)	Y1 = 66.6	Y	Y2 = 69.6

Y= (69.6-66.6) / (110-100) × (108.5-100) + 66.6 = **69.2 (kW)**

3) Cooling capacity table of 24HP outdoor units: AJ∗216LALH (AJ∗108LALH + AJ∗108LALH)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature									
		20°CDB / 15 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	10	44.0	6.92	67.0	10.06	72.6	10.84	84.0	12.40	89.8	13.68
	.	.	.	.	.	.	.	.	.	.	.
67.0 (100%)	.	.	.	.	.	.	.	.	.	.	.
X_2	35	44.0	10.76	67.0	19.24	72.6	21.98	77.0	23.26	78.4	23.46
	.	.	.	.	.	Y_2	.	.	.	.	.
	46	44.0	15.16	65.8	27.20		27.40	69.8	27.80	71.2	27.98
	10	39.6	6.32	60.2	9.14	65.4	9.84	75.6	11.26	80.8	11.96
	.	.	.	.	.	.	.	.	.	.	.
60.3 (90%)	.	.	.	.	.	.	.	.	.	.	.
X_1	35	39.6	9.48	60.2	16.36	65.4	18.54	74.8	22.98	76.2	23.18
	.	.	.	.	.	Y_1	.	.	.	.	.
	46	39.6	13.22	60.2	23.80		27.14	68.0	27.54	69.2	27.72

Capacity ratio of indoor units to outdoor unit	X1 = 90 %	X = 99.6 %	X2 = 100 %
Capacity of outdoor units (kW)	Y1 = 65.4	Y	Y2 = 72.6

Y= (72.6-65.4) / (100-90) × (99.6-90) + 65.4 = **72.3 (kW)**

Fig.2 Method for calculation of capacity of outdoor unit from capacity tables

2-4. CAPACITY TABLE COOLING (OUTDOOR UNIT)

2-4-1. SPACE SAVING COMBINATION

COOLING CAPACITY

■ MODEL : AJ✳A72LALH

● Capacity : 22.4 kW (8HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
33.6 (150%)	10	22.1	2.86	24.9	3.20	27.8	3.53	30.7	4.11	32.2	4.41	32.9	4.45	34.1	4.53	34.7	4.57
	15	22.1	2.92	24.9	3.49	27.8	4.13	30.5	4.79	31.1	4.84	31.7	4.88	32.9	4.96	33.5	5.00
	21	22.1	3.52	24.9	4.21	27.8	4.99	29.2	5.30	29.8	5.35	30.3	5.39	31.5	5.48	32.1	5.52
	23	22.1	3.74	24.9	4.48	27.8	5.30	28.7	5.47	29.3	5.52	29.9	5.56	31.0	5.65	31.6	5.70
	25	22.1	3.97	24.9	4.76	27.7	5.60	28.3	5.64	28.8	5.69	29.4	5.73	30.5	5.82	31.1	5.87
	27	22.1	4.22	24.9	5.05	27.3	5.77	27.8	5.81	28.4	5.86	28.9	5.91	30.0	6.01	30.6	6.07
	30	22.1	4.61	24.9	5.53	26.6	6.06	27.1	6.12	27.7	6.17	28.2	6.23	29.3	6.35	29.8	6.41
	33	22.1	5.04	24.9	6.13	25.9	6.40	26.4	6.45	27.0	6.51	27.5	6.57	28.6	6.69	29.1	6.75
	35	22.1	5.40	24.9	6.56	25.4	6.62	26.0	6.68	26.5	6.74	27.0	6.80	28.1	6.92	28.6	6.97
	37	22.1	5.78	24.5	6.79	25.0	6.85	25.5	6.91	26.0	6.97	26.5	7.03	27.6	7.14	28.1	7.20
	40	22.1	6.40	23.8	7.13	24.3	7.19	24.8	7.25	25.3	7.31	25.8	7.37	26.9	7.48	27.4	7.54
	43	22.1	7.08	23.1	7.46	23.6	7.53	24.1	7.59	24.6	7.65	25.1	7.71	26.1	7.82	26.6	7.88
	46	21.9	7.74	22.4	7.80	22.9	7.87	23.4	7.93	23.9	7.99	24.4	8.05	25.4	8.17	25.9	8.22
31.4 (140%)	10	20.6	2.69	23.3	3.00	25.9	3.31	28.6	3.67	31.3	4.26	32.4	4.42	33.6	4.50	34.2	4.53
	15	20.6	2.69	23.3	3.15	25.9	3.71	28.6	4.33	30.7	4.80	31.3	4.84	32.4	4.92	33.0	4.97
	21	20.6	3.20	23.3	3.80	25.9	4.47	28.6	5.22	29.3	5.31	29.9	5.36	31.0	5.44	31.6	5.49
	23	20.6	3.40	23.3	4.04	25.9	4.76	28.3	5.44	28.9	5.49	29.4	5.53	30.6	5.62	31.1	5.66
	25	20.6	3.61	23.3	4.29	25.9	5.06	27.9	5.61	28.4	5.66	29.0	5.70	30.1	5.79	30.6	5.84
	27	20.6	3.83	23.3	4.55	25.9	5.37	27.4	5.78	28.0	5.83	28.5	5.87	29.6	5.97	30.1	6.02
	30	20.6	4.18	23.3	4.98	25.9	5.90	26.8	6.08	27.3	6.13	27.8	6.19	28.9	6.31	29.4	6.36
	33	20.6	4.56	23.3	5.48	25.6	6.36	26.1	6.42	26.6	6.47	27.1	6.53	28.2	6.65	28.7	6.71
	35	20.6	4.86	23.3	5.87	25.1	6.58	25.6	6.64	26.1	6.70	26.7	6.76	27.7	6.88	28.2	6.93
	37	20.6	5.20	23.3	6.29	24.7	6.81	25.2	6.87	25.7	6.93	26.2	6.99	27.2	7.10	27.8	7.16
	40	20.6	5.75	23.3	6.96	24.0	7.15	24.5	7.21	25.0	7.27	25.5	7.33	26.5	7.45	27.0	7.50
	43	20.6	6.35	22.8	7.43	23.3	7.49	23.8	7.55	24.3	7.61	24.8	7.67	25.8	7.79	26.3	7.84
	46	20.6	7.02	22.1	7.77	22.6	7.83	23.1	7.89	23.6	7.95	24.1	8.01	25.1	8.13	25.6	8.19
29.1 (130%)	10	19.1	2.52	21.6	2.81	24.1	3.10	26.6	3.39	29.1	3.76	31.6	4.32	33.0	4.46	33.6	4.50
	15	19.1	2.52	21.6	2.83	24.1	3.31	26.6	3.85	29.1	4.43	30.7	4.81	31.9	4.89	32.5	4.93
	21	19.1	2.89	21.6	3.42	24.1	4.00	26.6	4.64	28.9	5.28	29.4	5.32	30.5	5.41	31.1	5.45
	23	19.1	3.07	21.6	3.63	24.1	4.25	26.6	4.94	28.4	5.45	29.0	5.49	30.1	5.58	30.6	5.62
	25	19.1	3.26	21.6	3.86	24.1	4.52	26.6	5.25	28.0	5.62	28.5	5.66	29.6	5.75	30.2	5.80
	27	19.1	3.46	21.6	4.09	24.1	4.80	26.6	5.58	27.5	5.79	28.1	5.84	29.1	5.93	29.7	5.97
	30	19.1	3.77	21.6	4.47	24.1	5.25	26.4	6.03	26.9	6.09	27.4	6.15	28.5	6.26	29.0	6.32
	33	19.1	4.11	21.6	4.88	24.1	5.79	25.7	6.37	26.2	6.43	26.7	6.49	27.8	6.60	28.3	6.66
	35	19.1	4.36	21.6	5.23	24.1	6.21	25.3	6.60	25.8	6.66	26.3	6.72	27.3	6.83	27.8	6.89
	37	19.1	4.66	21.6	5.59	24.1	6.65	24.8	6.83	25.3	6.89	25.8	6.94	26.8	7.06	27.3	7.12
	40	19.1	5.15	21.6	6.19	23.7	7.11	24.1	7.17	24.6	7.23	25.1	7.29	26.1	7.40	26.6	7.46
	43	19.1	5.68	21.6	6.84	23.0	7.45	23.5	7.51	24.0	7.57	24.4	7.63	25.4	7.74	25.9	7.80
	46	19.1	6.27	21.6	7.57	22.3	7.79	22.8	7.85	23.3	7.91	23.7	7.97	24.7	8.09	25.2	8.14
26.9 (120%)	10	17.6	2.35	19.9	2.62	22.2	2.88	24.5	3.15	26.8	3.42	29.1	3.78	32.3	4.42	32.9	4.46
	15	17.6	2.35	19.9	2.62	22.2	2.95	24.5	3.40	26.8	3.90	29.1	4.45	31.3	4.85	31.9	4.89
	21	17.6	2.60	19.9	3.06	22.2	3.56	24.5	4.11	26.8	4.71	28.9	5.28	30.0	5.36	30.5	5.40
	23	17.6	2.77	19.9	3.25	22.2	3.78	24.5	4.37	26.8	5.01	28.4	5.45	29.5	5.54	30.1	5.58
	25	17.6	2.93	19.9	3.45	22.2	4.02	24.5	4.64	26.8	5.33	28.0	5.62	29.1	5.71	29.6	5.75
	27	17.6	3.11	19.9	3.66	22.2	4.26	24.5	4.93	26.8	5.66	27.6	5.80	28.6	5.88	29.2	5.93
	30	17.6	3.39	19.9	4.00	22.2	4.66	24.5	5.39	26.4	6.04	26.9	6.09	28.0	6.21	28.5	6.26
	33	17.6	3.70	19.9	4.36	22.2	5.10	24.5	5.97	25.8	6.38	26.3	6.44	27.3	6.55	27.8	6.61
	35	17.6	3.91	19.9	4.64	22.2	5.47	24.5	6.40	25.3	6.61	25.8	6.67	26.8	6.78	27.3	6.83
	37	17.6	4.16	19.9	4.96	22.2	5.85	24.4	6.78	24.9	6.84	25.4	6.89	26.4	7.01	26.9	7.06
	40	17.6	4.59	19.9	5.48	22.2	6.47	23.8	7.12	24.2	7.18	24.7	7.24	25.7	7.35	26.2	7.41
	43	17.6	5.06	19.9	6.05	22.2	7.16	23.1	7.46	23.6	7.52	24.0	7.58	25.0	7.70	25.5	7.75
	46	17.6	5.58	19.9	6.68	22.0	7.75	22.4	7.81	22.9	7.87	23.4	7.92	24.3	8.04	24.8	8.10
24.6 (110%)	10	16.2	2.18	18.3	2.42	20.4	2.67	22.5	2.91	24.6	3.16	26.7	3.40	30.9	4.17	32.2	4.41
	15	16.2	2.18	18.3	2.42	20.4	2.67	22.5	3.00	24.6	3.42	26.7	3.87	30.6	4.80	31.1	4.84
	21	16.2	2.33	18.3	2.72	20.4	3.15	22.5	3.62	24.6	4.12	26.7	4.67	29.3	5.31	29.9	5.36
	23	16.2	2.48	18.3	2.89	20.4	3.35	22.5	3.84	24.6	4.38	26.7	4.97	28.9	5.49	29.4	5.53
	25	16.2	2.63	18.3	3.07	20.4	3.55	22.5	4.08	24.6	4.66	26.7	5.28	28.5	5.66	29.0	5.70
	27	16.2	2.78	18.3	3.26	20.4	3.77	22.5	4.33	24.6	4.95	26.7	5.61	28.0	5.83	28.6	5.88
	30	16.2	3.03	18.3	3.55	20.4	4.12	22.5	4.74	24.6	5.41	26.4	6.04	27.4	6.15	27.9	6.20
	33	16.2	3.30	18.3	3.87	20.4	4.49	22.5	5.19	24.6	5.99	25.8	6.38	26.7	6.49	27.2	6.55
	35	16.2	3.50	18.3	4.10	20.4	4.79	22.5	5.56	24.6	6.42	25.3	6.61	26.3	6.72	26.8	6.78
	37	16.2	3.70	18.3	4.37	20.4	5.12	22.5	5.95	24.4	6.78	24.9	6.84	25.9	6.95	26.4	7.01
	40	16.2	4.07	18.3	4.83	20.4	5.66	22.5	6.59	23.8	7.12	24.3	7.18	25.2	7.29	25.7	7.35
	43	16.2	4.49	18.3	5.32	20.4	6.25	22.5	7.29	23.1	7.47	23.6	7.53	24.5	7.64	25.0	7.70
	46	16.2	4.94	18.3	5.87	20.4	6.91	22.0	7.75	22.5	7.81	22.9	7.87	23.9	7.99	24.3	8.04

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✶A72LALH

● Capacity : 22.4 kW (8HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
22.4 (100%)	10	14.7	2.00	16.6	2.23	18.5	2.45	20.4	2.67	22.4	2.90	24.3	3.12	28.1	3.56	30.0	3.97
	15	14.7	2.00	16.6	2.23	18.5	2.45	20.4	2.67	22.4	2.97	24.3	3.35	28.1	4.20	30.0	4.67
	21	14.7	2.08	16.6	2.41	18.5	2.77	20.4	3.16	22.4	3.59	24.3	4.04	28.1	5.07	29.1	5.30
	23	14.7	2.21	16.6	2.56	18.5	2.95	20.4	3.36	22.4	3.81	24.3	4.30	28.1	5.39	28.7	5.47
	25	14.7	2.34	16.6	2.72	18.5	3.13	20.4	3.57	22.4	4.05	24.3	4.56	27.8	5.61	28.3	5.65
	27	14.7	2.48	16.6	2.88	18.5	3.31	20.4	3.79	22.4	4.30	24.3	4.85	27.4	5.78	27.9	5.82
	30	14.7	2.70	16.6	3.14	18.5	3.62	20.4	4.13	22.4	4.69	24.3	5.30	26.8	6.08	27.2	6.13
	33	14.7	2.94	16.6	3.42	18.5	3.94	20.4	4.51	22.4	5.15	24.3	5.86	26.1	6.42	26.6	6.48
	35	14.7	3.10	16.6	3.62	18.5	4.18	20.4	4.81	22.4	5.51	24.3	6.28	25.7	6.65	26.2	6.71
	37	14.7	3.28	16.6	3.83	18.5	4.46	20.4	5.14	22.4	5.90	24.3	6.73	25.3	6.88	25.8	6.94
	40	14.7	3.59	16.6	4.22	18.5	4.92	20.4	5.68	22.4	6.53	23.7	7.12	24.6	7.23	25.1	7.28
	43	14.7	3.95	16.6	4.65	18.5	5.43	20.4	6.28	22.4	7.22	23.1	7.46	24.0	7.57	24.5	7.63
	46	14.7	4.34	16.6	5.12	18.5	5.99	20.4	6.94	22.0	7.75	22.4	7.81	23.3	7.92	23.8	7.98
20.2 (90%)	10	13.2	1.83	14.9	2.03	16.7	2.23	18.4	2.43	20.1	2.64	21.8	2.84	25.3	3.24	27.0	3.44
	15	13.2	1.83	14.9	2.03	16.7	2.23	18.4	2.43	20.1	2.64	21.8	2.87	25.3	3.56	27.0	3.94
	21	13.2	1.87	14.9	2.12	16.7	2.42	18.4	2.75	20.1	3.09	21.8	3.47	25.3	4.30	27.0	4.76
	23	13.2	1.95	14.9	2.25	16.7	2.57	18.4	2.92	20.1	3.29	21.8	3.69	25.3	4.57	27.0	5.06
	25	13.2	2.07	14.9	2.39	16.7	2.73	18.4	3.10	20.1	3.49	21.8	3.91	25.3	4.86	27.0	5.38
	27	13.2	2.19	14.9	2.53	16.7	2.89	18.4	3.28	20.1	3.70	21.8	4.15	25.3	5.16	27.0	5.72
	30	13.2	2.38	14.9	2.75	16.7	3.15	18.4	3.58	20.1	4.04	21.8	4.54	25.3	5.64	26.5	6.05
	33	13.2	2.59	14.9	3.00	16.7	3.43	18.4	3.90	20.1	4.41	21.8	4.96	25.3	6.27	25.9	6.39
	35	13.2	2.74	14.9	3.17	16.7	3.63	18.4	4.13	20.1	4.70	21.8	5.31	25.0	6.57	25.5	6.63
	37	13.2	2.89	14.9	3.35	16.7	3.85	18.4	4.41	20.1	5.02	21.8	5.69	24.6	6.80	25.1	6.86
	40	13.2	3.14	14.9	3.67	16.7	4.24	18.4	4.87	20.1	5.55	21.8	6.29	24.0	7.15	24.5	7.20
	43	13.2	3.45	14.9	4.04	16.7	4.68	18.4	5.37	20.1	6.13	21.8	6.96	23.4	7.50	23.8	7.55
	46	13.2	3.79	14.9	4.44	16.7	5.15	18.4	5.92	20.1	6.77	21.8	7.70	22.8	7.85	23.2	7.90
17.9 (80%)	10	11.7	1.66	13.3	1.84	14.8	2.02	16.3	2.20	17.9	2.37	19.4	2.55	22.5	2.91	24.0	3.09
	15	11.7	1.66	13.3	1.84	14.8	2.02	16.3	2.20	17.9	2.37	19.4	2.55	22.5	2.99	24.0	3.29
	21	11.7	1.69	13.3	1.88	14.8	2.10	16.3	2.36	17.9	2.65	19.4	2.95	22.5	3.61	24.0	3.98
	23	11.7	1.76	13.3	1.96	14.8	2.23	16.3	2.51	17.9	2.81	19.4	3.13	22.5	3.84	24.0	4.23
	25	11.7	1.82	13.3	2.08	14.8	2.36	16.3	2.66	17.9	2.98	19.4	3.32	22.5	4.08	24.0	4.49
	27	11.7	1.92	13.3	2.20	14.8	2.50	16.3	2.82	17.9	3.16	19.4	3.53	22.5	4.33	24.0	4.77
	30	11.7	2.09	13.3	2.39	14.8	2.72	16.3	3.08	17.9	3.45	19.4	3.85	22.5	4.73	24.0	5.21
	33	11.7	2.26	13.3	2.60	14.8	2.96	16.3	3.35	17.9	3.76	19.4	4.20	22.5	5.19	24.0	5.76
	35	11.7	2.39	13.3	2.75	14.8	3.13	16.3	3.54	17.9	3.98	19.4	4.46	22.5	5.55	24.0	6.17
	37	11.7	2.52	13.3	2.90	14.8	3.31	16.3	3.75	17.9	4.24	19.4	4.76	22.5	5.95	24.0	6.61
	40	11.7	2.73	13.3	3.16	14.8	3.63	16.3	4.13	17.9	4.68	19.4	5.26	22.5	6.58	23.7	7.11
	43	11.7	2.99	13.3	3.47	14.8	3.99	16.3	4.55	17.9	5.16	19.4	5.81	22.5	7.28	23.1	7.46
	46	11.7	3.28	13.3	3.81	14.8	4.39	16.3	5.01	17.9	5.68	19.4	6.41	22.1	7.76	22.5	7.81
15.7 (70%)	10	10.3	1.49	11.6	1.65	12.9	1.80	14.3	1.96	15.6	2.11	17.0	2.27	19.7	2.58	21.0	2.74
	15	10.3	1.49	11.6	1.65	12.9	1.80	14.3	1.96	15.6	2.11	17.0	2.27	19.7	2.58	21.0	2.74
	21	10.3	1.52	11.6	1.68	12.9	1.84	14.3	2.01	15.6	2.24	17.0	2.48	19.7	3.00	21.0	3.28
	23	10.3	1.57	11.6	1.74	12.9	1.91	14.3	2.14	15.6	2.38	17.0	2.63	19.7	3.19	21.0	3.49
	25	10.3	1.63	11.6	1.80	12.9	2.02	14.3	2.26	15.6	2.52	17.0	2.79	19.7	3.38	21.0	3.70
	27	10.3	1.69	11.6	1.90	12.9	2.14	14.3	2.40	15.6	2.67	17.0	2.96	19.7	3.59	21.0	3.93
	30	10.3	1.81	11.6	2.06	12.9	2.33	14.3	2.61	15.6	2.91	17.0	3.23	19.7	3.92	21.0	4.29
	33	10.3	1.96	11.6	2.23	12.9	2.53	14.3	2.84	15.6	3.17	17.0	3.52	19.7	4.27	21.0	4.68
	35	10.3	2.06	11.6	2.36	12.9	2.67	14.3	3.00	15.6	3.35	17.0	3.72	19.7	4.54	21.0	5.01
	37	10.3	2.18	11.6	2.49	12.9	2.82	14.3	3.17	15.6	3.54	17.0	3.94	19.7	4.85	21.0	5.35
	40	10.3	2.35	11.6	2.70	12.9	3.06	14.3	3.47	15.6	3.89	17.0	4.35	19.7	5.36	21.0	5.92
	43	10.3	2.56	11.6	2.95	12.9	3.37	14.3	3.81	15.6	4.29	17.0	4.79	19.7	5.92	21.0	6.54
	46	10.3	2.80	11.6	3.23	12.9	3.69	14.3	4.19	15.6	4.72	17.0	5.28	19.7	6.54	21.0	7.24
13.4 (60%)	10	8.8	1.32	9.9	1.45	11.1	1.59	12.2	1.72	13.4	1.85	14.5	1.99	16.8	2.25	18.0	2.39
	15	8.8	1.32	9.9	1.45	11.1	1.59	12.2	1.72	13.4	1.85	14.5	1.99	16.8	2.25	18.0	2.39
	21	8.8	1.34	9.9	1.48	11.1	1.62	12.2	1.75	13.4	1.89	14.5	2.05	16.8	2.45	18.0	2.67
	23	8.8	1.39	9.9	1.53	11.1	1.68	12.2	1.82	13.4	1.98	14.5	2.18	16.8	2.61	18.0	2.83
	25	8.8	1.44	9.9	1.59	11.1	1.74	12.2	1.90	13.4	2.10	14.5	2.31	16.8	2.76	18.0	3.01
	27	8.8	1.49	9.9	1.64	11.1	1.81	12.2	2.01	13.4	2.22	14.5	2.45	16.8	2.93	18.0	3.19
	30	8.8	1.57	9.9	1.75	11.1	1.96	12.2	2.18	13.4	2.42	14.5	2.66	16.8	3.19	18.0	3.48
	33	8.8	1.67	9.9	1.89	11.1	2.13	12.2	2.37	13.4	2.63	14.5	2.90	16.8	3.48	18.0	3.79
	35	8.8	1.76	9.9	2.00	11.1	2.24	12.2	2.50	13.4	2.78	14.5	3.06	16.8	3.68	18.0	4.01
	37	8.8	1.85	9.9	2.10	11.1	2.37	12.2	2.64	13.4	2.93	14.5	3.24	16.8	3.90	18.0	4.28
	40	8.8	2.00	9.9	2.27	11.1	2.56	12.2	2.87	13.4	3.19	14.5	3.54	16.8	4.30	18.0	4.72
	43	8.8	2.16	9.9	2.47	11.1	2.80	12.2	3.14	13.4	3.51	14.5	3.90	16.8	4.74	18.0	5.20
	46	8.8	2.36	9.9	2.70	11.1	3.06	12.2	3.45	13.4	3.85	14.5	4.28	16.8	5.22	18.0	5.74
11.2 (50%)	10	7.3	1.15	8.3	1.26	9.2	1.37	10.2	1.48	11.2	1.59	12.1	1.70	14.0	1.93	15.0	2.04
	15	7.3	1.15	8.3	1.26	9.2	1.37	10.2	1.48	11.2	1.59	12.1	1.70	14.0	1.93	15.0	2.04
	21	7.3	1.17	8.3	1.28	9.2	1.39	10.2	1.51	11.2	1.62	12.1	1.74	14.0	1.97	15.0	2.13
	23	7.3	1.21	8.3	1.33	9.2	1.44	10.2	1.56	11.2	1.68	12.1	1.80	14.0	2.09	15.0	2.26
	25	7.3	1.25	8.3	1.37	9.2	1.50	10.2	1.62	11.2	1.74	12.1	1.88	14.0	2.21	15.0	2.39
	27	7.3	1.29	8.3	1.42	9.2	1.55	10.2	1.68	11.2	1.82	12.1	1.98	14.0	2.35	15.0	2.54
	30	7.3	1.35	8.3	1.49	9.2	1.63	10.2	1.79	11.2	1.97	12.1	2.16	14.0	2.55	15.0	2.76
	33	7.3	1.42	8.3	1.57	9.2	1.75	10.2	1.94	11.2	2.14	12.1	2.34	14.0	2.78	15.0	3.01
	35	7.3	1.47	8.3	1.66	9.2	1.85	10.2	2.05	11.2	2.26	12.1	2.47	14.0	2.93	15.0	3.18
	37	7.3	1.55	8.3	1.74	9.2	1.95	10.2	2.16	11.2	2.38	12.1	2.61	14.0	3.10	15.0	3.36
	40	7.3	1.67	8.3	1.88	9.2	2.10	10.2	2.34	11.2	2.58	12.1	2.83	14.0	3.38	15.0	3.68
	43	7.3	1.80	8.3	2.03	9.2	2.28	10.2	2.54	11.2	2.81	12.1	3.10	14.0	3.72	15.0	4.05
	46	7.3	1.95	8.3	2.21	9.2	2.49	10.2	2.78	11.2	3.08	12.1	3.40	14.0	4.09	15.0	4.45

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✶A90LALH

● Capacity : 28.0 kW (10HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
42.0 (150%)	10	27.6	3.96	31.2	4.43	34.8	4.91	38.4	5.69	40.4	6.13	41.2	6.19	42.7	6.30	43.5	6.35
	15	27.6	4.01	31.2	4.82	34.8	5.72	38.2	6.69	39.0	6.74	39.7	6.80	41.2	6.92	42.0	6.97
	21	27.6	4.87	31.2	5.85	34.8	6.95	36.5	7.42	37.2	7.48	38.0	7.54	39.4	7.66	40.1	7.72
	23	27.6	5.19	31.2	6.23	34.8	7.41	35.9	7.66	36.7	7.73	37.4	7.79	38.8	7.91	39.5	7.98
	25	27.6	5.52	31.2	6.63	34.7	7.85	35.4	7.91	36.1	7.97	36.8	8.04	38.2	8.16	38.9	8.23
	27	27.6	5.87	31.2	7.06	34.1	8.09	34.8	8.16	35.5	8.22	36.2	8.29	37.5	8.43	38.2	8.51
	30	27.6	6.43	31.2	7.74	33.2	8.50	33.9	8.59	34.6	8.67	35.3	8.75	36.6	8.92	37.3	9.00
	33	27.6	7.06	31.2	8.61	32.4	8.99	33.0	9.08	33.7	9.16	34.4	9.24	35.7	9.41	36.4	9.49
	35	27.6	7.57	31.2	9.23	31.8	9.32	32.5	9.40	33.1	9.49	33.8	9.57	35.1	9.73	35.8	9.82
	37	27.6	8.12	30.6	9.56	31.2	9.64	31.9	9.73	32.5	9.81	33.2	9.90	34.5	10.06	35.2	10.14
	40	27.6	9.01	29.7	10.05	30.4	10.13	31.0	10.22	31.6	10.30	32.3	10.39	33.6	10.55	34.2	10.64
	43	27.6	10.00	28.9	10.54	29.5	10.62	30.1	10.71	30.7	10.79	31.4	10.88	32.6	11.05	33.3	11.13
	46	27.4	10.94	28.0	11.03	28.6	11.11	29.2	11.20	29.8	11.29	30.4	11.37	31.7	11.54	32.3	11.62
39.2 (140%)	10	25.7	3.71	29.1	4.16	32.4	4.60	35.8	5.07	39.1	5.90	40.5	6.15	42.1	6.25	42.8	6.30
	15	25.7	3.71	29.1	4.34	32.4	5.13	35.8	6.00	38.4	6.70	39.1	6.76	40.6	6.87	41.4	6.93
	21	25.7	4.41	29.1	5.27	32.4	6.23	35.8	7.29	36.7	7.44	37.4	7.50	38.9	7.62	39.6	7.68
	23	25.7	4.70	29.1	5.61	32.4	6.63	35.4	7.62	36.1	7.68	36.8	7.74	38.3	7.87	39.0	7.93
	25	25.7	5.00	29.1	5.97	32.4	7.06	34.9	7.87	35.6	7.93	36.3	7.99	37.6	8.12	38.3	8.18
	27	25.7	5.31	29.1	6.35	32.4	7.51	34.3	8.11	35.0	8.17	35.7	8.24	37.0	8.37	37.7	8.45
	30	25.7	5.82	29.1	6.96	32.4	8.27	33.5	8.53	34.1	8.61	34.8	8.69	36.1	8.86	36.8	8.94
	33	25.7	6.37	29.1	7.68	32.0	8.94	32.6	9.02	33.3	9.10	33.9	9.19	35.3	9.35	35.9	9.43
	35	25.7	6.80	29.1	8.25	31.4	9.27	32.0	9.35	32.7	9.43	33.3	9.51	34.7	9.68	35.3	9.76
	37	25.7	7.29	29.1	8.85	30.8	9.59	31.5	9.68	32.1	9.76	32.8	9.84	34.0	10.01	34.7	10.09
	40	25.7	8.08	29.1	9.83	30.0	10.08	30.6	10.17	31.2	10.25	31.9	10.33	33.1	10.50	33.8	10.58
	43	25.7	8.96	28.5	10.49	29.1	10.57	29.7	10.66	30.3	10.74	31.0	10.83	32.2	10.99	32.8	11.07
	46	25.7	9.93	27.6	10.98	28.2	11.06	28.8	11.15	29.5	11.24	30.1	11.32	31.3	11.49	31.9	11.57
36.4 (130%)	10	23.9	3.47	27.0	3.88	30.1	4.29	33.2	4.71	36.4	5.20	39.5	5.98	41.3	6.20	42.1	6.25
	15	23.9	3.47	27.0	3.89	30.1	4.57	33.2	5.32	36.4	6.16	38.5	6.71	39.9	6.82	40.7	6.87
	21	23.9	3.98	27.0	4.73	30.1	5.55	33.2	6.47	36.1	7.39	36.8	7.44	38.2	7.56	38.9	7.62
	23	23.9	4.24	27.0	5.03	30.1	5.91	33.2	6.89	35.6	7.63	36.3	7.69	37.6	7.81	38.3	7.87
	25	23.9	4.51	27.0	5.35	30.1	6.29	33.2	7.34	35.0	7.88	35.7	7.94	37.1	8.06	37.7	8.12
	27	23.9	4.79	27.0	5.69	30.1	6.70	33.2	7.81	34.5	8.12	35.1	8.19	36.5	8.31	37.1	8.38
	30	23.9	5.24	27.0	6.24	30.1	7.34	33.0	8.47	33.6	8.55	34.3	8.63	35.6	8.79	36.3	8.87
	33	23.9	5.73	27.0	6.83	30.1	8.13	32.1	8.96	32.8	9.04	33.4	9.12	34.7	9.28	35.4	9.36
	35	23.9	6.09	27.0	7.33	30.1	8.73	31.6	9.29	32.2	9.37	32.9	9.45	34.1	9.61	34.8	9.69
	37	23.9	6.52	27.0	7.86	30.1	9.37	31.0	9.62	31.6	9.70	32.3	9.78	33.5	9.94	34.2	10.02
	40	23.9	7.22	27.0	8.72	29.6	10.02	30.2	10.11	30.8	10.19	31.4	10.27	32.7	10.44	33.3	10.52
	43	23.9	7.99	27.0	9.67	28.7	10.52	29.3	10.60	29.9	10.68	30.5	10.77	31.8	10.93	32.4	11.01
	46	23.9	8.85	27.0	10.73	27.9	11.01	28.4	11.09	29.0	11.18	29.6	11.26	30.9	11.43	31.5	11.51
33.6 (120%)	10	22.1	3.22	24.9	3.60	27.8	3.99	30.7	4.37	33.6	4.75	36.4	5.21	40.5	6.14	41.3	6.20
	15	22.1	3.22	24.9	3.60	27.8	4.06	30.7	4.70	33.6	5.40	36.4	6.18	39.2	6.76	39.9	6.81
	21	22.1	3.57	24.9	4.22	27.8	4.93	30.7	5.71	33.6	6.56	36.1	7.39	37.5	7.50	38.2	7.56
	23	22.1	3.80	24.9	4.49	27.8	5.25	30.7	6.08	33.6	6.99	35.6	7.63	37.0	7.75	37.6	7.81
	25	22.1	4.04	24.9	4.78	27.8	5.58	30.7	6.47	33.6	7.45	35.1	7.88	36.4	8.00	37.1	8.06
	27	22.1	4.30	24.9	5.08	27.8	5.94	30.7	6.88	33.6	7.93	34.5	8.13	35.8	8.25	36.5	8.31
	30	22.1	4.70	24.9	5.56	27.8	6.51	30.7	7.55	33.0	8.48	33.7	8.56	35.0	8.72	35.6	8.79
	33	22.1	5.14	24.9	6.08	27.8	7.15	30.7	8.38	32.2	8.97	32.9	9.05	34.1	9.21	34.8	9.29
	35	22.1	5.45	24.9	6.48	27.8	7.67	30.7	9.00	31.7	9.30	32.3	9.38	33.6	9.54	34.2	9.62
	37	22.1	5.80	24.9	6.94	27.8	8.22	30.5	9.55	31.1	9.63	31.7	9.71	33.0	9.87	33.6	9.95
	40	22.1	6.42	24.9	7.70	27.8	9.13	29.7	10.04	30.3	10.12	30.9	10.21	32.1	10.37	32.7	10.45
	43	22.1	7.10	24.9	8.52	27.8	10.13	28.8	10.54	29.4	10.62	30.0	10.70	31.2	10.86	31.8	10.94
	46	22.1	7.85	24.9	9.44	27.4	10.95	28.0	11.03	28.6	11.11	29.2	11.20	30.4	11.36	31.0	11.44
30.8 (110%)	10	20.2	2.98	22.9	3.33	25.5	3.68	28.1	4.03	30.8	4.38	33.4	4.72	38.6	5.77	40.3	6.13
	15	20.2	2.98	22.9	3.33	25.5	3.68	28.1	4.12	30.8	4.72	33.4	5.36	38.3	6.69	39.0	6.75
	21	20.2	3.19	22.9	3.74	25.5	4.35	28.1	5.01	30.8	5.73	33.4	6.51	36.7	7.44	37.4	7.49
	23	20.2	3.40	22.9	3.99	25.5	4.63	28.1	5.33	30.8	6.10	33.4	6.94	36.2	7.68	36.8	7.74
	25	20.2	3.61	22.9	4.24	25.5	4.93	28.1	5.68	30.8	6.49	33.4	7.39	35.6	7.93	36.3	7.99
	27	20.2	3.83	22.9	4.51	25.5	5.24	28.1	6.04	30.8	6.91	33.4	7.86	35.1	8.18	35.7	8.24
	30	20.2	4.19	22.9	4.93	25.5	5.73	28.1	6.61	30.8	7.58	33.0	8.48	34.3	8.63	34.9	8.71
	33	20.2	4.58	22.9	5.39	25.5	6.27	28.1	7.27	30.8	8.41	32.2	8.97	33.4	9.13	34.1	9.20
	35	20.2	4.85	22.9	5.72	25.5	6.70	28.1	7.80	30.8	9.04	31.7	9.30	32.9	9.46	33.5	9.54
	37	20.2	5.14	22.9	6.10	25.5	7.18	28.1	8.37	30.5	9.55	31.1	9.63	32.3	9.79	33.0	9.87
	40	20.2	5.68	22.9	6.76	25.5	7.96	28.1	9.29	29.7	10.05	30.3	10.13	31.5	10.29	32.1	10.37
	43	20.2	6.28	22.9	7.48	25.5	8.82	28.1	10.32	28.9	10.54	29.5	10.62	30.7	10.78	31.2	10.86
	46	20.2	6.93	22.9	8.27	25.5	9.77	27.5	10.96	28.1	11.04	28.6	11.12	29.8	11.28	30.4	11.36

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ∗A90LALH

● Capacity : 28.0 kW (10HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
28.0 (100%)	10	18.4	2.73	20.8	3.05	23.2	3.37	25.6	3.69	28.0	4.00	30.3	4.32	35.1	4.96	37.5	5.48
	15	18.4	2.73	20.8	3.05	23.2	3.37	25.6	3.69	28.0	4.09	30.3	4.62	35.1	5.82	37.5	6.49
	21	18.4	2.83	20.8	3.30	23.2	3.81	25.6	4.37	28.0	4.97	30.3	5.61	35.1	7.07	36.5	7.41
	23	18.4	3.01	20.8	3.51	23.2	4.06	25.6	4.65	28.0	5.29	30.3	5.98	35.1	7.53	35.9	7.66
	25	18.4	3.20	20.8	3.74	23.2	4.32	25.6	4.95	28.0	5.63	30.3	6.36	34.8	7.86	35.4	7.91
	27	18.4	3.40	20.8	3.97	23.2	4.59	25.6	5.26	28.0	5.98	30.3	6.77	34.2	8.10	34.9	8.16
	30	18.4	3.71	20.8	4.34	23.2	5.02	25.6	5.76	28.0	6.56	30.3	7.42	33.5	8.53	34.1	8.61
	33	18.4	4.05	20.8	4.74	23.2	5.49	25.6	6.30	28.0	7.20	30.3	8.23	32.7	9.03	33.3	9.11
	35	18.4	4.29	20.8	5.03	23.2	5.82	25.6	6.73	28.0	7.73	30.3	8.84	32.1	9.36	32.7	9.44
	37	18.4	4.55	20.8	5.33	23.2	6.23	25.6	7.21	28.0	8.29	30.3	9.48	31.6	9.69	32.2	9.77
	40	18.4	4.99	20.8	5.90	23.2	6.89	25.6	7.99	28.0	9.20	29.6	10.04	30.8	10.19	31.4	10.27
	43	18.4	5.51	20.8	6.52	23.2	7.63	25.6	8.85	28.0	10.22	28.8	10.53	30.0	10.69	30.6	10.77
	46	18.4	6.07	20.8	7.20	23.2	8.44	25.6	9.81	27.5	10.95	28.0	11.03	29.2	11.19	29.7	11.27
25.2 (90%)	10	16.5	2.49	18.7	2.78	20.8	3.06	23.0	3.35	25.2	3.63	27.3	3.92	31.6	4.49	33.8	4.78
	15	16.5	2.49	18.7	2.78	20.8	3.06	23.0	3.35	25.2	3.63	27.3	3.95	31.6	4.92	33.8	5.46
	21	16.5	2.54	18.7	2.89	20.8	3.32	23.0	3.78	25.2	4.27	27.3	4.80	31.6	5.98	33.8	6.63
	23	16.5	2.65	18.7	3.08	20.8	3.53	23.0	4.02	25.2	4.55	27.3	5.11	31.6	6.37	33.8	7.07
	25	16.5	2.82	18.7	3.27	20.8	3.75	23.0	4.28	25.2	4.84	27.3	5.44	31.6	6.78	33.8	7.52
	27	16.5	2.99	18.7	3.47	20.8	3.99	23.0	4.54	25.2	5.14	27.3	5.78	31.6	7.21	33.8	8.01
	30	16.5	3.27	18.7	3.79	20.8	4.36	23.0	4.97	25.2	5.63	27.3	6.33	31.6	7.91	33.1	8.49
	33	16.5	3.56	18.7	4.14	20.8	4.76	23.0	5.43	25.2	6.16	27.3	6.94	31.6	8.81	32.4	8.99
	35	16.5	3.77	18.7	4.39	20.8	5.05	23.0	5.76	25.2	6.56	27.3	7.45	31.3	9.25	31.9	9.32
	37	16.5	3.99	18.7	4.65	20.8	5.36	23.0	6.16	25.2	7.03	27.3	7.99	30.8	9.58	31.3	9.66
	40	16.5	4.35	18.7	5.11	20.8	5.93	23.0	6.82	25.2	7.80	27.3	8.86	30.0	10.08	30.6	10.16
	43	16.5	4.80	18.7	5.64	20.8	6.55	23.0	7.55	25.2	8.64	27.3	9.83	29.2	10.59	29.8	10.66
	46	16.5	5.28	18.7	6.21	20.8	7.23	23.0	8.34	25.2	9.57	27.3	10.92	28.4	11.09	29.0	11.17
22.4 (80%)	10	14.7	2.25	16.6	2.50	18.5	2.75	20.4	3.01	22.4	3.26	24.3	3.52	28.1	4.02	30.0	4.28
	15	14.7	2.25	16.6	2.50	18.5	2.75	20.4	3.01	22.4	3.26	24.3	3.52	28.1	4.12	30.0	4.54
	21	14.7	2.29	16.6	2.55	18.5	2.86	20.4	3.23	22.4	3.63	24.3	4.06	28.1	5.00	30.0	5.52
	23	14.7	2.38	16.6	2.67	18.5	3.04	20.4	3.44	22.4	3.87	24.3	4.32	28.1	5.33	30.0	5.88
	25	14.7	2.47	16.6	2.83	18.5	3.23	20.4	3.66	22.4	4.11	24.3	4.60	28.1	5.67	30.0	6.26
	27	14.7	2.61	16.6	3.01	18.5	3.43	20.4	3.89	22.4	4.37	24.3	4.89	28.1	6.03	30.0	6.65
	30	14.7	2.84	16.6	3.28	18.5	3.75	20.4	4.25	22.4	4.78	24.3	5.35	28.1	6.61	30.0	7.30
	33	14.7	3.10	16.6	3.58	18.5	4.09	20.4	4.64	22.4	5.23	24.3	5.85	28.1	7.26	30.0	8.08
	35	14.7	3.28	16.6	3.79	18.5	4.34	20.4	4.92	22.4	5.54	24.3	6.22	28.1	7.79	30.0	8.68
	37	14.7	3.47	16.6	4.01	18.5	4.59	20.4	5.21	22.4	5.91	24.3	6.67	28.1	8.36	30.0	9.31
	40	14.7	3.77	16.6	4.38	18.5	5.05	20.4	5.77	22.4	6.54	24.3	7.39	28.1	9.28	29.6	10.03
	43	14.7	4.14	16.6	4.83	18.5	5.57	20.4	6.37	22.4	7.24	24.3	8.18	28.1	10.30	28.8	10.53
	46	14.7	4.55	16.6	5.31	18.5	6.14	20.4	7.03	22.4	8.00	24.3	9.05	27.5	10.96	28.1	11.04
19.6 (70%)	10	12.8	2.00	14.5	2.22	16.2	2.45	17.9	2.67	19.6	2.89	21.2	3.11	24.6	3.56	26.3	3.78
	15	12.8	2.00	14.5	2.22	16.2	2.45	17.9	2.67	19.6	2.89	21.2	3.11	24.6	3.56	26.3	3.78
	21	12.8	2.04	14.5	2.27	16.2	2.49	17.9	2.74	19.6	3.06	21.2	3.40	24.6	4.13	26.3	4.54
	23	12.8	2.12	14.5	2.36	16.2	2.59	17.9	2.91	19.6	3.25	21.2	3.61	24.6	4.40	26.3	4.83
	25	12.8	2.20	14.5	2.45	16.2	2.75	17.9	3.09	19.6	3.46	21.2	3.84	24.6	4.68	26.3	5.14
	27	12.8	2.28	14.5	2.57	16.2	2.92	17.9	3.29	19.6	3.67	21.2	4.08	24.6	4.98	26.3	5.46
	30	12.8	2.45	14.5	2.81	16.2	3.19	17.9	3.59	19.6	4.02	21.2	4.47	24.6	5.45	26.3	5.98
	33	12.8	2.66	14.5	3.06	16.2	3.47	17.9	3.92	19.6	4.38	21.2	4.88	24.6	5.96	26.3	6.55
	35	12.8	2.82	14.5	3.23	16.2	3.68	17.9	4.15	19.6	4.65	21.2	5.17	24.6	6.34	26.3	7.01
	37	12.8	2.98	14.5	3.42	16.2	3.89	17.9	4.39	19.6	4.92	21.2	5.49	24.6	6.79	26.3	7.51
	40	12.8	3.23	14.5	3.72	16.2	4.24	17.9	4.81	19.6	5.43	21.2	6.08	24.6	7.53	26.3	8.33
	43	12.8	3.52	14.5	4.08	16.2	4.67	17.9	5.31	19.6	5.99	21.2	6.72	24.6	8.34	26.3	9.23
	46	12.8	3.87	14.5	4.49	16.2	5.15	17.9	5.85	19.6	6.61	21.2	7.42	24.6	9.23	26.3	10.24
16.8 (60%)	10	11.0	1.76	12.4	1.95	13.9	2.14	15.3	2.33	16.8	2.52	18.2	2.71	21.1	3.09	22.5	3.28
	15	11.0	1.76	12.4	1.95	13.9	2.14	15.3	2.33	16.8	2.52	18.2	2.71	21.1	3.09	22.5	3.28
	21	11.0	1.79	12.4	1.98	13.9	2.18	15.3	2.37	16.8	2.57	18.2	2.79	21.1	3.36	22.5	3.67
	23	11.0	1.86	12.4	2.06	13.9	2.26	15.3	2.47	16.8	2.69	18.2	2.97	21.1	3.58	22.5	3.90
	25	11.0	1.93	12.4	2.14	13.9	2.35	15.3	2.58	16.8	2.86	18.2	3.16	21.1	3.80	22.5	4.15
	27	11.0	2.00	12.4	2.22	13.9	2.44	15.3	2.73	16.8	3.04	18.2	3.36	21.1	4.04	22.5	4.41
	30	11.0	2.11	12.4	2.36	13.9	2.67	15.3	2.98	16.8	3.32	18.2	3.67	21.1	4.42	22.5	4.83
	33	11.0	2.25	12.4	2.57	13.9	2.90	15.3	3.25	16.8	3.62	18.2	4.00	21.1	4.83	22.5	5.27
	35	11.0	2.38	12.4	2.72	13.9	3.07	15.3	3.44	16.8	3.83	18.2	4.24	21.1	5.12	22.5	5.59
	37	11.0	2.51	12.4	2.87	13.9	3.25	15.3	3.64	16.8	4.05	18.2	4.49	21.1	5.43	22.5	5.97
	40	11.0	2.73	12.4	3.12	13.9	3.53	15.3	3.96	16.8	4.42	18.2	4.92	21.1	6.01	22.5	6.61
	43	11.0	2.95	12.4	3.39	13.9	3.86	15.3	4.36	16.8	4.88	18.2	5.43	21.1	6.64	22.5	7.30
	46	11.0	3.24	12.4	3.73	13.9	4.24	15.3	4.79	16.8	5.37	18.2	5.99	21.1	7.34	22.5	8.08
14.0 (50%)	10	9.2	1.51	10.4	1.67	11.6	1.83	12.8	1.99	14.0	2.15	15.1	2.31	17.5	2.62	18.7	2.78
	15	9.2	1.51	10.4	1.67	11.6	1.83	12.8	1.99	14.0	2.15	15.1	2.31	17.5	2.62	18.7	2.78
	21	9.2	1.54	10.4	1.70	11.6	1.86	12.8	2.03	14.0	2.19	15.1	2.35	17.5	2.68	18.7	2.90
	23	9.2	1.60	10.4	1.77	11.6	1.94	12.8	2.10	13.9	2.27	15.1	2.44	17.5	2.85	18.7	3.08
	25	9.2	1.65	10.4	1.83	11.6	2.01	12.8	2.18	14.0	2.36	15.1	2.54	17.5	3.02	18.7	3.28
	27	9.2	1.71	10.4	1.90	11.6	2.08	12.8	2.27	14.0	2.46	15.1	2.70	17.5	3.21	18.7	3.48
	30	9.2	1.80	10.4	2.00	11.6	2.20	12.8	2.43	14.0	2.68	15.1	2.95	17.5	3.51	18.7	3.81
	33	9.2	1.90	10.4	2.12	11.6	2.37	12.8	2.64	14.0	2.92	15.1	3.21	17.5	3.83	18.7	4.15
	35	9.2	1.97	10.4	2.24	11.6	2.51	12.8	2.79	14.0	3.09	15.1	3.40	17.5	4.05	18.7	4.40
	37	9.2	2.08	10.4	2.36	11.6	2.65	12.8	2.95	14.0	3.27	15.1	3.59	17.5	4.29	18.7	4.66
	40	9.2	2.25	10.4	2.56	11.6	2.87	12.8	3.20	14.0	3.55	15.1	3.91	17.5	4.70	18.7	5.12
	43	9.2	2.43	10.4	2.77	11.6	3.12	12.8	3.49	14.0	3.88	15.1	4.30	17.5	5.18	18.7	5.65
	46	9.2	2.65	10.4	3.03	11.6	3.42	12.8	3.84	14.0	4.27	15.1	4.73	17.5	5.71	18.7	6.24

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳108LALH

● Capacity : 33.5 kW (12HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50.3 (150%)	10	33.0	4.97	37.3	5.56	41.6	6.14	45.9	7.10	48.3	7.64	49.3	7.71	51.2	7.84	52.1	7.91
	15	33.0	5.03	37.3	6.02	41.6	7.14	45.7	8.33	46.6	8.40	47.6	8.47	49.4	8.61	50.3	8.68
	21	33.0	6.09	37.3	7.30	41.6	8.65	43.7	9.23	44.6	9.31	45.4	9.38	47.2	9.53	48.0	9.61
	23	33.0	6.48	37.3	7.77	41.6	9.22	43.0	9.53	43.9	9.61	44.7	9.69	46.4	9.84	47.3	9.92
	25	33.0	6.89	37.3	8.26	41.5	9.76	42.3	9.84	43.2	9.92	44.0	9.99	45.7	10.15	46.5	10.23
	27	33.0	7.32	37.3	8.79	40.8	10.06	41.6	10.14	42.5	10.22	43.3	10.30	44.9	10.47	45.8	10.57
	30	33.0	8.02	37.3	9.63	39.8	10.57	40.6	10.67	41.4	10.78	42.2	10.88	43.9	11.08	44.7	11.18
	33	33.0	8.79	37.3	10.71	38.8	11.18	39.5	11.28	40.3	11.38	41.1	11.48	42.8	11.69	43.6	11.79
	35	33.0	9.43	37.3	11.47	38.1	11.58	38.8	11.68	39.6	11.78	40.4	11.89	42.0	12.09	42.8	12.19
	37	33.0	10.10	36.6	11.88	37.4	11.98	38.1	12.09	38.9	12.19	39.7	12.29	41.3	12.50	42.1	12.60
	40	33.0	11.21	35.6	12.48	36.3	12.59	37.1	12.69	37.8	12.80	38.6	12.90	40.2	13.10	40.9	13.21
	43	33.0	12.43	34.5	13.09	35.3	13.19	36.0	13.30	36.8	13.40	37.5	13.51	39.0	13.71	39.8	13.81
	46	32.7	13.58	33.5	13.69	34.2	13.80	34.9	13.90	35.7	14.01	36.4	14.11	37.9	14.32	38.7	14.42
46.9 (140%)	10	30.8	4.67	34.8	5.22	38.8	5.76	42.8	6.33	46.9	7.35	48.5	7.66	50.4	7.79	51.3	7.85
	15	30.8	4.67	34.8	5.43	38.8	6.40	42.8	7.48	46.0	8.34	46.8	8.41	48.6	8.55	49.5	8.62
	21	30.8	5.53	34.8	6.58	38.8	7.76	42.8	9.07	43.9	9.25	44.8	9.33	46.5	9.47	47.4	9.55
	23	30.8	5.88	34.8	7.00	38.8	8.26	42.4	9.48	43.3	9.56	44.1	9.63	45.8	9.78	46.6	9.86
	25	30.8	6.25	34.8	7.45	38.8	8.79	41.7	9.78	42.6	9.86	43.4	9.94	45.1	10.09	45.9	10.17
	27	30.8	6.64	34.8	7.92	38.8	9.35	41.1	10.09	41.9	10.17	42.7	10.24	44.3	10.40	45.1	10.50
	30	30.8	7.26	34.8	8.67	38.8	10.28	40.0	10.61	40.8	10.71	41.6	10.81	43.3	11.01	44.1	11.11
	33	30.8	7.94	34.8	9.56	38.2	11.11	39.0	11.21	39.8	11.31	40.6	11.41	42.2	11.62	43.0	11.72
	35	30.8	8.48	34.8	10.26	37.6	11.51	38.3	11.62	39.1	11.72	39.9	11.82	41.5	12.02	42.3	12.12
	37	30.8	9.08	34.8	11.00	36.9	11.92	37.7	12.02	38.4	12.12	39.2	12.22	40.7	12.43	41.5	12.53
	40	30.8	10.06	34.8	12.22	35.9	12.52	36.6	12.63	37.4	12.73	38.1	12.83	39.6	13.04	40.4	13.14
	43	30.8	11.14	34.1	13.02	34.8	13.13	35.6	13.23	36.3	13.34	37.0	13.44	38.5	13.65	39.3	13.75
	46	30.8	12.35	33.1	13.63	33.8	13.74	34.5	13.84	35.2	13.95	36.0	14.05	37.4	14.26	38.2	14.36
43.6 (130%)	10	28.6	4.37	32.3	4.88	36.1	5.38	39.8	5.89	43.5	6.49	47.2	7.45	49.5	7.73	50.4	7.79
	15	28.6	4.37	32.3	4.88	36.1	5.72	39.8	6.64	43.5	7.67	46.1	8.35	47.8	8.49	48.7	8.56
	21	28.6	4.99	32.3	5.91	36.1	6.93	39.8	8.06	43.2	9.19	44.1	9.26	45.8	9.41	46.6	9.48
	23	28.6	5.31	32.3	6.29	36.1	7.37	39.8	8.58	42.6	9.49	43.4	9.57	45.1	9.72	45.9	9.79
	25	28.6	5.64	32.3	6.69	36.1	7.84	39.8	9.13	41.9	9.80	42.7	9.87	44.4	10.03	45.2	10.10
	27	28.6	5.99	32.3	7.10	36.1	8.34	39.8	9.71	41.2	10.10	42.0	10.18	43.6	10.34	44.4	10.41
	30	28.6	6.55	32.3	7.78	36.1	9.14	39.4	10.53	40.2	10.63	41.0	10.73	42.6	10.92	43.4	11.02
	33	28.6	7.16	32.3	8.51	36.1	10.12	38.5	11.14	39.2	11.24	40.0	11.34	41.6	11.54	42.3	11.63
	35	28.6	7.59	32.3	9.12	36.1	10.86	37.8	11.54	38.5	11.64	39.3	11.74	40.9	11.94	41.6	12.04
	37	28.6	8.13	32.3	9.78	36.1	11.65	37.1	11.95	37.9	12.05	38.6	12.15	40.1	12.35	40.9	12.45
	40	28.6	9.00	32.3	10.84	35.4	12.45	36.1	12.56	36.8	12.66	37.6	12.76	39.1	12.96	39.8	13.06
	43	28.6	9.95	32.3	12.02	34.3	13.06	35.1	13.16	35.8	13.27	36.5	13.37	38.0	13.57	38.7	13.67
	46	28.6	11.01	32.3	13.34	33.3	13.67	34.0	13.77	34.7	13.88	35.5	13.98	36.9	14.18	37.6	14.28
40.2 (120%)	10	26.4	4.07	29.8	4.53	33.3	5.00	36.7	5.47	40.2	5.94	43.6	6.51	48.5	7.66	49.4	7.72
	15	26.4	4.07	29.8	4.53	33.3	5.08	36.7	5.87	40.2	6.74	43.6	7.69	46.9	8.42	47.7	8.48
	21	26.4	4.49	29.8	5.29	33.3	6.16	36.7	7.12	40.2	8.17	43.3	9.19	44.9	9.34	45.7	9.41
	23	26.4	4.78	29.8	5.62	33.3	6.55	36.7	7.58	40.2	8.70	42.6	9.50	44.2	9.64	45.0	9.72
	25	26.4	5.07	29.8	5.98	33.3	6.97	36.7	8.06	40.2	9.26	42.0	9.80	43.6	9.95	44.4	10.03
	27	26.4	5.39	29.8	6.35	33.3	7.41	36.7	8.57	40.2	9.86	41.3	10.11	42.9	10.26	43.7	10.34
	30	26.4	5.88	29.8	6.94	33.3	8.11	36.7	9.39	39.5	10.54	40.3	10.64	41.9	10.83	42.6	10.93
	33	26.4	6.42	29.8	7.59	33.3	8.90	36.7	10.42	38.6	11.15	39.3	11.25	40.8	11.44	41.6	11.54
	35	26.4	6.81	29.8	8.08	33.3	9.54	36.7	11.19	37.9	11.56	38.6	11.66	40.2	11.85	40.9	11.95
	37	26.4	7.24	29.8	8.65	33.3	10.23	36.5	11.86	37.2	11.96	38.0	12.06	39.5	12.26	40.2	12.36
	40	26.4	8.01	29.8	9.58	33.3	11.35	35.5	12.47	36.2	12.57	37.0	12.67	38.4	12.87	39.2	12.97
	43	26.4	8.85	29.8	10.60	33.3	12.59	34.5	13.08	35.2	13.19	35.9	13.29	37.4	13.49	38.1	13.59
	46	26.4	9.77	29.8	11.74	32.8	13.59	33.5	13.70	34.2	13.80	34.9	13.90	36.3	14.10	37.0	14.20
36.9 (110%)	10	24.2	3.76	27.4	4.19	30.5	4.62	33.7	5.06	36.8	5.49	39.9	5.92	46.2	7.19	48.2	7.64
	15	24.2	3.76	27.4	4.19	30.5	4.62	33.7	5.17	36.8	5.90	39.9	6.69	45.8	8.34	46.7	8.40
	21	24.2	4.02	27.4	4.70	30.5	5.45	33.7	6.26	36.8	7.14	39.9	8.11	43.9	9.25	44.8	9.32
	23	24.2	4.27	27.4	5.00	30.5	5.79	33.7	6.66	36.8	7.60	39.9	8.64	43.3	9.56	44.1	9.63
	25	24.2	4.54	27.4	5.31	30.5	6.16	33.7	7.08	36.8	8.09	39.9	9.19	42.7	9.87	43.4	9.94
	27	24.2	4.82	27.4	5.64	30.5	6.54	33.7	7.53	36.8	8.60	39.9	9.78	42.0	10.18	42.8	10.25
	30	24.2	5.26	27.4	6.17	30.5	7.16	33.7	8.24	36.8	9.43	39.5	10.54	41.0	10.73	41.8	10.82
	33	24.2	5.73	27.4	6.73	30.5	7.82	33.7	9.05	36.8	10.46	38.5	11.15	40.0	11.34	40.8	11.44
	35	24.2	6.07	27.4	7.14	30.5	8.35	33.7	9.71	36.8	11.23	37.9	11.56	39.4	11.75	40.1	11.85
	37	24.2	6.43	27.4	7.62	30.5	8.94	33.7	10.41	36.5	11.87	37.2	11.96	38.7	12.16	39.4	12.26
	40	24.2	7.10	27.4	8.42	30.5	9.90	33.7	11.55	35.6	12.48	36.3	12.58	37.7	12.77	38.4	12.87
	43	24.2	7.83	27.4	9.31	30.5	10.97	33.7	12.82	34.6	13.09	35.3	13.19	36.7	13.39	37.4	13.49
	46	24.2	8.64	27.4	10.29	30.5	12.15	32.9	13.60	33.6	13.71	34.3	13.81	35.7	14.01	36.3	14.11

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳108LALH

● Capacity : 33.5 kW (12HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
33.5 (100%)	10	22.0	3.46	24.9	3.85	27.7	4.25	30.6	4.64	33.5	5.03	36.3	5.42	42.0	6.20	44.9	6.84
	15	22.0	3.46	24.9	3.85	27.7	4.25	30.6	4.64	33.5	5.12	36.3	5.78	42.0	7.25	44.9	8.08
	21	22.0	3.58	24.9	4.16	27.7	4.79	30.6	5.47	33.5	6.21	36.3	7.00	42.0	8.80	43.6	9.23
	23	22.0	3.80	24.9	4.42	27.7	5.09	30.6	5.82	33.5	6.60	36.3	7.45	42.0	9.37	43.0	9.53
	25	22.0	4.04	24.9	4.70	27.7	5.41	30.6	6.18	33.5	7.02	36.3	7.93	41.6	9.77	42.4	9.84
	27	22.0	4.28	24.9	4.98	27.7	5.74	30.6	6.57	33.5	7.46	36.3	8.43	41.0	10.08	41.7	10.15
	30	22.0	4.67	24.9	5.44	27.7	6.28	30.6	7.18	33.5	8.17	36.3	9.24	40.0	10.61	40.8	10.70
	33	22.0	5.09	24.9	5.94	27.7	6.86	30.6	7.85	33.5	8.97	36.3	10.24	39.1	11.22	39.8	11.32
	35	22.0	5.38	24.9	6.29	27.7	7.27	30.6	8.38	33.5	9.62	36.3	10.99	38.5	11.63	39.2	11.73
	37	22.0	5.70	24.9	6.66	27.7	7.76	30.6	8.98	33.5	10.31	36.3	11.79	37.8	12.04	38.5	12.14
	40	22.0	6.25	24.9	7.36	27.7	8.59	30.6	9.95	33.5	11.44	35.5	12.47	36.9	12.66	37.6	12.76
	43	22.0	6.88	24.9	8.13	27.7	9.50	30.6	11.01	33.5	12.70	34.5	13.08	35.9	13.28	36.6	13.37
	46	22.0	7.58	24.9	8.97	27.7	10.50	30.6	12.20	32.9	13.60	33.5	13.70	34.9	13.90	35.6	13.99
30.2 (90%)	10	19.8	3.16	22.4	3.51	24.9	3.87	27.5	4.22	30.1	4.57	32.7	4.92	37.8	5.63	40.4	5.98
	15	19.8	3.16	22.4	3.51	24.9	3.87	27.5	4.22	30.1	4.57	32.7	4.95	37.8	6.15	40.4	6.81
	21	19.8	3.22	22.4	3.65	24.9	4.18	27.5	4.74	30.1	5.35	32.7	6.00	37.8	7.45	40.4	8.26
	23	19.8	3.36	22.4	3.88	24.9	4.44	27.5	5.04	30.1	5.69	32.7	6.38	37.8	7.93	40.4	8.79
	25	19.8	3.56	22.4	4.12	24.9	4.72	27.5	5.36	30.1	6.05	32.7	6.79	37.8	8.44	40.4	9.36
	27	19.8	3.78	22.4	4.37	24.9	5.00	27.5	5.69	30.1	6.42	32.7	7.21	37.8	8.98	40.4	9.96
	30	19.8	4.12	22.4	4.77	24.9	5.47	27.5	6.22	30.1	7.03	32.7	7.90	37.8	9.84	39.6	10.56
	33	19.8	4.48	22.4	5.19	24.9	5.96	27.5	6.79	30.1	7.68	32.7	8.65	37.8	10.96	38.7	11.17
	35	19.8	4.74	22.4	5.50	24.9	6.32	27.5	7.20	30.1	8.18	32.7	9.27	37.4	11.49	38.1	11.59
	37	19.8	5.01	22.4	5.82	24.9	6.69	27.5	7.68	30.1	8.76	32.7	9.94	36.8	11.91	37.5	12.00
	40	19.8	5.46	22.4	6.39	24.9	7.40	27.5	8.50	30.1	9.71	32.7	11.02	35.9	12.53	36.6	12.62
	43	19.8	6.01	22.4	7.04	24.9	8.17	27.5	9.40	30.1	10.74	32.7	12.22	34.9	13.15	35.6	13.24
	46	19.8	6.61	22.4	7.75	24.9	9.01	27.5	10.39	30.1	11.90	32.7	13.57	34.0	13.77	34.6	13.86
26.8 (80%)	10	17.6	2.86	19.9	3.17	22.2	3.49	24.5	3.80	26.8	4.11	29.0	4.43	33.6	5.05	35.9	5.36
	15	17.6	2.86	19.9	3.17	22.2	3.49	24.5	3.80	26.8	4.11	29.0	4.43	33.6	5.16	35.9	5.68
	21	17.6	2.91	19.9	3.23	22.2	3.61	24.5	4.07	26.8	4.57	29.0	5.09	33.6	6.25	35.9	6.89
	23	17.6	3.03	19.9	3.38	22.2	3.84	24.5	4.33	26.8	4.86	29.0	5.42	33.6	6.65	35.9	7.33
	25	17.6	3.14	19.9	3.58	22.2	4.07	24.5	4.60	26.8	5.16	29.0	5.76	33.6	7.07	35.9	7.80
	27	17.6	3.30	19.9	3.80	22.2	4.32	24.5	4.88	26.8	5.48	29.0	6.12	33.6	7.52	35.9	8.29
	30	17.6	3.60	19.9	4.14	22.2	4.71	24.5	5.33	26.8	5.99	29.0	6.69	33.6	8.23	35.9	9.08
	33	17.6	3.91	19.9	4.50	22.2	5.14	24.5	5.81	26.8	6.53	29.0	7.30	33.6	9.04	35.9	10.05
	35	17.6	4.13	19.9	4.76	22.2	5.44	24.5	6.16	26.8	6.92	29.0	7.76	33.6	9.70	35.9	10.79
	37	17.6	4.36	19.9	5.04	22.2	5.75	24.5	6.52	26.8	7.38	29.0	8.31	33.6	10.40	35.9	11.57
	40	17.6	4.74	19.9	5.49	22.2	6.31	24.5	7.20	26.8	8.16	29.0	9.20	33.6	11.54	35.4	12.46
	43	17.6	5.19	19.9	6.04	22.2	6.96	24.5	7.95	26.8	9.02	29.0	10.18	33.6	12.80	34.5	13.08
	46	17.6	5.70	19.9	6.64	22.2	7.66	24.5	8.76	26.8	9.96	29.0	11.26	32.9	13.61	33.6	13.71
23.5 (70%)	10	15.4	2.56	17.4	2.83	19.4	3.11	21.4	3.38	23.4	3.65	25.4	3.93	29.4	4.48	31.4	4.75
	15	15.4	2.56	17.4	2.83	19.4	3.11	21.4	3.38	23.4	3.65	25.4	3.93	29.4	4.48	31.4	4.75
	21	15.4	2.61	17.4	2.89	19.4	3.17	21.4	3.46	23.4	3.86	25.4	4.27	29.4	5.18	31.4	5.68
	23	15.4	2.70	17.4	3.00	19.4	3.29	21.4	3.68	23.4	4.10	25.4	4.54	29.4	5.51	31.4	6.04
	25	15.4	2.80	17.4	3.11	19.4	3.48	21.4	3.90	23.4	4.35	25.4	4.83	29.4	5.86	31.4	6.42
	27	15.4	2.91	17.4	3.26	19.4	3.69	21.4	4.14	23.4	4.62	25.4	5.12	29.4	6.22	31.4	6.82
	30	15.4	3.11	17.4	3.55	19.4	4.02	21.4	4.51	23.4	5.04	25.4	5.59	29.4	6.80	31.4	7.46
	33	15.4	3.37	17.4	3.86	19.4	4.37	21.4	4.92	23.4	5.49	25.4	6.10	29.4	7.43	31.4	8.16
	35	15.4	3.56	17.4	4.08	19.4	4.62	21.4	5.20	23.4	5.82	25.4	6.47	29.4	7.91	31.4	8.73
	37	15.4	3.76	17.4	4.31	19.4	4.89	21.4	5.51	23.4	6.16	25.4	6.86	29.4	8.47	31.4	9.35
	40	15.4	4.07	17.4	4.68	19.4	5.32	21.4	6.02	23.4	6.78	25.4	7.59	29.4	9.37	31.4	10.36
	43	15.4	4.43	17.4	5.12	19.4	5.85	21.4	6.64	23.4	7.48	25.4	8.38	29.4	10.37	31.4	11.48
	46	15.4	4.86	17.4	5.62	19.4	6.44	21.4	7.31	23.4	8.24	25.4	9.24	29.4	11.48	31.4	12.73
20.1 (60%)	10	13.2	2.26	14.9	2.49	16.6	2.73	18.3	2.96	20.1	3.20	21.8	3.43	25.2	3.90	26.9	4.14
	15	13.2	2.26	14.9	2.49	16.6	2.73	18.3	2.96	20.1	3.20	21.8	3.43	25.2	3.90	26.9	4.14
	21	13.2	2.30	14.9	2.54	16.6	2.78	18.3	3.02	20.1	3.26	21.8	3.53	25.2	4.23	26.9	4.61
	23	13.2	2.38	14.9	2.63	16.6	2.88	18.3	3.13	20.1	3.41	21.8	3.75	25.2	4.50	26.9	4.90
	25	13.2	2.47	14.9	2.73	16.6	2.99	18.3	3.27	20.1	3.62	21.8	3.99	25.2	4.78	26.9	5.20
	27	13.2	2.55	14.9	2.83	16.6	3.10	18.3	3.46	20.1	3.83	21.8	4.23	25.2	5.07	26.9	5.52
	30	13.2	2.69	14.9	3.00	16.6	3.38	18.3	3.77	20.1	4.18	21.8	4.61	25.2	5.54	26.9	6.04
	33	13.2	2.87	14.9	3.26	16.6	3.67	18.3	4.10	20.1	4.55	21.8	5.02	25.2	6.04	26.9	6.59
	35	13.2	3.03	14.9	3.44	16.6	3.88	18.3	4.33	20.1	4.81	21.8	5.32	25.2	6.40	26.9	6.98
	37	13.2	3.19	14.9	3.63	16.6	4.09	18.3	4.58	20.1	5.09	21.8	5.62	25.2	6.79	26.9	7.45
	40	13.2	3.45	14.9	3.93	16.6	4.44	18.3	4.97	20.1	5.55	21.8	6.16	25.2	7.50	26.9	8.23
	43	13.2	3.73	14.9	4.28	16.6	4.85	18.3	5.46	20.1	6.11	21.8	6.79	25.2	8.28	26.9	9.10
	46	13.2	4.08	14.9	4.69	16.6	5.32	18.3	6.00	20.1	6.72	21.8	7.48	25.2	9.14	26.9	10.05
16.8 (50%)	10	11.0	1.96	12.4	2.15	13.8	2.35	15.3	2.54	16.7	2.74	18.1	2.93	21.0	3.33	22.4	3.52
	15	11.0	1.96	12.4	2.15	13.8	2.35	15.3	2.54	16.7	2.74	18.1	2.93	21.0	3.33	22.4	3.52
	21	11.0	1.99	12.4	2.19	13.8	2.39	15.3	2.59	16.7	2.79	18.1	2.99	21.0	3.39	22.4	3.66
	23	11.0	2.06	12.4	2.27	13.8	2.48	15.3	2.69	16.7	2.90	18.1	3.10	21.0	3.60	22.4	3.89
	25	11.0	2.13	12.4	2.35	13.8	2.57	15.3	2.79	16.7	3.00	18.1	3.23	21.0	3.82	22.4	4.13
	27	11.0	2.20	12.4	2.43	13.8	2.66	15.3	2.89	16.7	3.12	18.1	3.42	21.0	4.05	22.4	4.38
	30	11.0	2.32	12.4	2.56	13.8	2.80	15.3	3.08	16.7	3.40	18.1	3.72	21.0	4.41	22.4	4.78
	33	11.0	2.44	12.4	2.70	13.8	3.02	15.3	3.35	16.7	3.69	18.1	4.05	21.0	4.81	22.4	5.21
	35	11.0	2.52	12.4	2.85	13.8	3.18	15.3	3.53	16.7	3.90	18.1	4.28	21.0	5.09	22.4	5.52
	37	11.0	2.66	12.4	3.00	13.8	3.36	15.3	3.73	16.7	4.12	18.1	4.52	21.0	5.38	22.4	5.84
	40	11.0	2.87	12.4	3.24	13.8	3.63	15.3	4.04	16.7	4.46	18.1	4.91	21.0	5.88	22.4	6.41
	43	11.0	3.09	12.4	3.50	13.8	3.94	15.3	4.40	16.7	4.88	18.1	5.39	21.0	6.48	22.4	7.06
	46	11.0	3.36	12.4	3.82	13.8	4.31	15.3	4.82	16.7	5.36	18.1	5.92	21.0	7.13	22.4	7.78

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳126LALH

● Capacity : 40.0 kW (14HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60.0 (150%)	10	39.4	5.97	44.6	6.67	49.7	7.37	54.8	8.51	57.7	9.17	58.8	9.25	61.1	9.41	62.2	9.49
	15	39.4	6.04	44.6	7.23	49.7	8.56	54.6	9.99	55.7	10.07	56.8	10.15	59.0	10.32	60.0	10.41
	21	39.4	7.31	44.6	8.75	49.7	10.38	52.2	11.07	53.2	11.16	54.3	11.24	56.3	11.42	57.4	11.52
	23	39.4	7.78	44.6	9.32	49.7	11.05	51.4	11.43	52.4	11.52	53.4	11.61	55.5	11.79	56.5	11.89
	25	39.4	8.27	44.6	9.91	49.6	11.70	50.6	11.79	51.6	11.88	52.6	11.98	54.6	12.16	55.6	12.26
	27	39.4	8.78	44.6	10.54	48.7	12.06	49.7	12.15	50.7	12.25	51.7	12.34	53.7	12.55	54.7	12.67
	30	39.4	9.61	44.6	11.55	47.5	12.67	48.5	12.79	49.4	12.91	50.4	13.03	52.4	13.27	53.4	13.39
	33	39.4	10.54	44.6	12.83	46.3	13.39	47.2	13.51	48.2	13.63	49.1	13.76	51.1	14.00	52.0	14.12
	35	39.4	11.30	44.5	13.75	45.5	13.87	46.4	13.99	47.3	14.12	48.3	14.24	50.2	14.48	51.1	14.60
	37	39.4	12.11	43.7	14.23	44.6	14.35	45.6	14.48	46.5	14.60	47.4	14.72	49.3	14.97	50.2	15.09
	40	39.4	13.43	42.5	14.95	43.4	15.08	44.3	15.20	45.2	15.33	46.1	15.45	48.0	15.69	48.9	15.82
	43	39.4	14.89	41.2	15.67	42.1	15.80	43.0	15.93	43.9	16.05	44.8	16.18	46.6	16.42	47.5	16.54
	46	39.1	16.27	40.0	16.40	40.8	16.52	41.7	16.65	42.6	16.78	43.5	16.90	45.3	17.15	46.2	17.27
56.0 (140%)	10	36.8	5.61	41.6	6.27	46.4	6.92	51.2	7.59	56.0	8.81	57.9	9.18	60.1	9.34	61.3	9.42
	15	36.8	5.61	41.6	6.52	46.4	7.68	51.2	8.97	54.9	10.00	55.9	10.09	58.1	10.25	59.1	10.34
	21	36.8	6.64	41.6	7.90	46.4	9.30	51.2	10.88	52.5	11.09	53.5	11.18	55.5	11.35	56.6	11.44
	23	36.8	7.06	41.6	8.40	46.4	9.90	50.7	11.36	51.7	11.45	52.7	11.54	54.7	11.72	55.7	11.81
	25	36.8	7.50	41.6	8.93	46.4	10.54	49.9	11.73	50.8	11.82	51.8	11.91	53.8	12.09	54.8	12.19
	27	36.8	7.96	41.6	9.49	46.4	11.21	49.0	12.09	50.0	12.18	51.0	12.28	52.9	12.47	53.9	12.58
	30	36.8	8.71	41.6	10.40	46.4	12.32	47.8	12.71	48.8	12.83	49.7	12.95	51.7	13.19	52.6	13.31
	33	36.8	9.52	41.6	11.46	45.7	13.31	46.6	13.43	47.5	13.55	48.5	13.67	50.4	13.91	51.3	14.03
	35	36.8	10.16	41.6	12.29	44.9	13.79	45.8	13.92	46.7	14.04	47.7	14.16	49.5	14.40	50.5	14.52
	37	36.8	10.88	41.6	13.18	44.1	14.28	45.0	14.40	45.9	14.52	46.8	14.64	48.7	14.89	49.6	15.01
	40	36.8	12.06	41.6	14.64	42.8	15.00	43.7	15.12	44.6	15.25	45.5	15.37	47.4	15.61	48.3	15.73
	43	36.8	13.35	40.7	15.60	41.6	15.73	42.5	15.85	43.4	15.98	44.2	16.10	46.0	16.34	46.9	16.46
	46	36.8	14.79	39.5	16.32	40.3	16.45	41.2	16.58	42.1	16.70	43.0	16.83	44.7	17.07	45.6	17.19
52.0 (130%)	10	34.2	5.25	38.6	5.86	43.1	6.47	47.5	7.07	52.0	7.78	56.4	8.93	59.1	9.27	60.2	9.34
	15	34.2	5.25	38.6	5.86	43.1	6.86	47.5	7.97	52.0	9.20	55.0	10.01	57.1	10.18	58.1	10.26
	21	34.2	6.00	38.6	7.10	43.1	8.31	47.5	9.66	51.6	11.02	52.6	11.10	54.6	11.28	55.6	11.36
	23	34.2	6.38	38.6	7.55	43.1	8.85	47.5	10.28	50.8	11.38	51.8	11.47	53.8	11.65	54.8	11.73
	25	34.2	6.78	38.6	8.02	43.1	9.41	47.5	10.94	50.1	11.74	51.0	11.83	53.0	12.02	53.9	12.11
	27	34.2	7.19	38.6	8.52	43.1	10.00	47.5	11.64	49.2	12.11	50.2	12.20	52.1	12.39	53.1	12.48
	30	34.2	7.86	38.6	9.33	43.1	10.95	47.1	12.62	48.0	12.74	49.0	12.85	50.9	13.09	51.8	13.21
	33	34.2	8.58	38.6	10.20	43.1	12.12	45.9	13.34	46.8	13.46	47.8	13.58	49.6	13.82	50.6	13.94
	35	34.2	9.11	38.6	10.94	43.1	13.01	45.1	13.83	46.0	13.95	46.9	14.07	48.8	14.31	49.7	14.42
	37	34.2	9.75	38.6	11.72	43.1	13.96	44.3	14.31	45.2	14.43	46.1	14.55	47.9	14.79	48.9	14.91
	40	34.2	10.79	38.6	12.99	42.2	14.92	43.1	15.04	44.0	15.16	44.9	15.28	46.7	15.52	47.6	15.64
	43	34.2	11.93	38.6	14.40	41.0	15.64	41.9	15.77	42.8	15.89	43.6	16.01	45.4	16.25	46.3	16.37
	46	34.2	13.19	38.6	15.97	39.8	16.37	40.6	16.50	41.5	16.62	42.4	16.74	44.1	16.99	45.0	17.11
48.0 (120%)	10	31.5	4.89	35.6	5.45	39.7	6.01	43.8	6.57	48.0	7.14	52.1	7.81	57.9	9.18	59.0	9.26
	15	31.5	4.89	35.6	5.45	39.7	6.11	43.8	7.05	48.0	8.09	52.1	9.23	56.0	10.09	57.0	10.17
	21	31.5	5.40	35.6	6.35	39.7	7.39	43.8	8.54	48.0	9.80	51.7	11.02	53.6	11.19	54.6	11.27
	23	31.5	5.74	35.6	6.75	39.7	7.87	43.8	9.09	48.0	10.44	50.9	11.38	52.8	11.56	53.8	11.64
	25	31.5	6.10	35.6	7.18	39.7	8.36	43.8	9.67	48.0	11.10	50.1	11.75	52.0	11.93	53.0	12.02
	27	31.5	6.47	35.6	7.62	39.7	8.88	43.8	10.28	48.0	11.81	49.3	12.11	51.2	12.30	52.1	12.39
	30	31.5	7.07	35.6	8.33	39.7	9.72	43.8	11.26	47.2	12.63	48.1	12.75	50.0	12.98	50.9	13.09
	33	31.5	7.71	35.6	9.10	39.7	10.67	43.8	12.49	46.0	13.36	47.0	13.48	48.8	13.71	49.7	13.83
	35	31.5	8.17	35.6	9.69	39.7	11.44	43.8	13.40	45.3	13.84	46.2	13.96	48.0	14.20	48.9	14.32
	37	31.5	8.69	35.6	10.37	39.7	12.26	43.6	14.21	44.5	14.33	45.4	14.45	47.1	14.69	48.0	14.80
	40	31.5	9.61	35.6	11.48	39.7	13.60	42.4	14.94	43.3	15.06	44.1	15.18	45.9	15.42	46.8	15.54
	43	31.5	10.61	35.6	12.71	39.7	15.08	41.2	15.67	42.1	15.79	42.9	15.91	44.6	16.15	45.5	16.27
	46	31.5	11.71	35.6	14.07	39.2	16.28	40.0	16.40	40.8	16.52	41.7	16.65	43.4	16.89	44.2	17.01
44.0 (110%)	10	28.9	4.53	32.7	5.05	36.4	5.56	40.2	6.07	44.0	6.59	47.7	7.10	55.2	8.62	57.6	9.16
	15	28.9	4.53	32.7	5.05	36.4	5.56	40.2	6.21	44.0	7.08	47.7	8.03	54.7	9.99	55.8	10.07
	21	28.9	4.84	32.7	5.65	36.4	6.54	40.2	7.51	44.0	8.57	47.7	9.73	52.5	11.09	53.4	11.17
	23	28.9	5.14	32.7	6.01	36.4	6.96	40.2	7.99	44.0	9.12	47.7	10.35	51.7	11.46	52.7	11.54
	25	28.9	5.46	32.7	6.38	36.4	7.39	40.2	8.50	44.0	9.70	47.7	11.02	50.9	11.83	51.9	11.91
	27	28.9	5.79	32.7	6.77	36.4	7.85	40.2	9.03	44.0	10.31	47.7	11.72	50.2	12.20	51.1	12.28
	30	28.9	6.32	32.7	7.40	36.4	8.59	40.2	9.88	44.0	11.30	47.2	12.63	49.0	12.85	49.9	12.97
	33	28.9	6.89	32.7	8.08	36.4	9.38	40.2	10.85	44.0	12.54	46.0	13.36	47.8	13.59	48.7	13.70
	35	28.9	7.29	32.7	8.56	36.4	10.01	40.2	11.64	44.0	13.46	45.3	13.84	47.0	14.08	47.9	14.19
	37	28.9	7.72	32.7	9.13	36.4	10.72	40.2	12.48	43.6	14.22	44.5	14.33	46.2	14.57	47.1	14.68
	40	28.9	8.51	32.7	10.10	36.4	11.87	40.2	13.84	42.5	14.95	43.3	15.07	45.0	15.30	45.9	15.42
	43	28.9	9.39	32.7	11.16	36.4	13.14	40.2	15.36	41.3	15.68	42.1	15.80	43.8	16.04	44.7	16.15
	46	28.9	10.35	32.7	12.33	36.4	14.55	39.3	16.29	40.1	16.41	40.9	16.54	42.6	16.77	43.4	16.89

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳126LALH

● Capacity : 40.0 kW (14HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
40.0 (100%)	10	26.3	4.17	29.7	4.64	33.1	5.11	36.5	5.57	40.0	6.04	43.4	6.51	50.2	7.44	53.6	8.20
	15	26.3	4.17	29.7	4.64	33.1	5.11	36.5	5.57	40.0	6.15	43.4	6.94	50.2	8.70	53.6	9.69
	21	26.3	4.31	29.7	5.00	33.1	5.75	36.5	6.57	40.0	7.45	43.4	8.40	50.2	10.55	52.1	11.06
	23	26.3	4.58	29.7	5.32	33.1	6.12	36.5	6.99	40.0	7.92	43.4	8.94	50.2	11.23	51.4	11.43
	25	26.3	4.86	29.7	5.64	33.1	6.50	36.5	7.42	40.0	8.42	43.4	9.51	49.7	11.71	50.6	11.80
	27	26.3	5.15	29.7	5.99	33.1	6.90	36.5	7.88	40.0	8.95	43.4	10.11	49.0	12.08	49.9	12.17
	30	26.3	5.61	29.7	6.54	33.1	7.54	36.5	8.62	40.0	9.80	43.4	11.07	47.8	12.71	48.7	12.82
	33	26.3	6.11	29.7	7.13	33.1	8.23	36.5	9.42	40.0	10.75	43.4	12.27	46.7	13.44	47.6	13.56
	35	26.3	6.47	29.7	7.55	33.1	8.72	36.5	10.05	40.0	11.53	43.4	13.16	45.9	13.93	46.8	14.05
	37	26.3	6.84	29.7	7.99	33.1	9.31	36.5	10.76	40.0	12.36	43.4	14.12	45.2	14.43	46.0	14.54
	40	26.3	7.50	29.7	8.83	33.1	10.30	36.5	11.92	40.0	13.71	42.3	14.93	44.0	15.16	44.9	15.28
	43	26.3	8.26	29.7	9.75	33.1	11.38	36.5	13.20	40.0	15.21	41.2	15.67	42.8	15.90	43.7	16.02
	46	26.3	9.09	29.7	10.75	33.1	12.58	36.5	14.62	39.2	16.29	40.0	16.41	41.7	16.64	42.5	16.76
36.0 (90%)	10	23.6	3.81	26.7	4.23	29.8	4.65	32.9	5.07	36.0	5.49	39.0	5.92	45.2	6.76	48.3	7.18
	15	23.6	3.81	26.7	4.23	29.8	4.65	32.9	5.07	36.0	5.49	39.0	5.95	45.2	7.38	48.3	8.17
	21	23.6	3.88	26.7	4.40	29.8	5.02	32.9	5.70	36.0	6.43	39.0	7.20	45.2	8.94	48.3	9.90
	23	23.6	4.05	26.7	4.67	29.8	5.34	32.9	6.06	36.0	6.83	39.0	7.66	45.2	9.51	48.3	10.54
	25	23.6	4.29	26.7	4.95	29.8	5.67	32.9	6.44	36.0	7.26	39.0	8.15	45.2	10.12	48.3	11.22
	27	23.6	4.55	26.7	5.25	29.8	6.01	32.9	6.83	36.0	7.71	39.0	8.65	45.2	10.76	48.3	11.94
	30	23.6	4.95	26.7	5.73	29.8	6.56	32.9	7.46	36.0	8.43	39.0	9.47	45.2	11.79	47.4	12.65
	33	23.6	5.39	26.7	6.24	29.8	7.16	32.9	8.15	36.0	9.21	39.0	10.37	45.2	13.13	46.3	13.39
	35	23.6	5.70	26.7	6.60	29.8	7.58	32.9	8.63	36.0	9.81	39.0	11.12	44.7	13.77	45.5	13.88
	37	23.6	6.02	26.7	6.99	29.8	8.03	32.9	9.22	36.0	10.51	39.0	11.91	44.0	14.26	44.8	14.37
	40	23.6	6.55	26.7	7.66	29.8	8.87	32.9	10.19	36.0	11.63	39.0	13.21	42.9	15.00	43.7	15.12
	43	23.6	7.21	26.7	8.45	29.8	9.79	32.9	11.26	36.0	12.87	39.0	14.64	41.7	15.74	42.5	15.86
	46	23.6	7.93	26.7	9.30	29.8	10.80	32.9	12.45	36.0	14.25	39.0	16.25	40.6	16.49	41.4	16.60
32.0 (80%)	10	21.0	3.45	23.7	3.82	26.5	4.20	29.2	4.57	32.0	4.95	34.7	5.32	40.2	6.07	42.9	6.44
	15	21.0	3.45	23.7	3.82	26.5	4.20	29.2	4.57	32.0	4.95	34.7	5.32	40.2	6.20	42.9	6.82
	21	21.0	3.52	23.7	3.90	26.5	4.35	29.2	4.90	32.0	5.49	34.7	6.12	40.2	7.50	42.9	8.26
	23	21.0	3.65	23.7	4.07	26.5	4.62	29.2	5.21	32.0	5.84	34.7	6.51	40.2	7.98	42.9	8.79
	25	21.0	3.78	23.7	4.31	26.5	4.90	29.2	5.53	32.0	6.20	34.7	6.91	40.2	8.49	42.9	9.35
	27	21.0	3.98	23.7	4.57	26.5	5.20	29.2	5.87	32.0	6.58	34.7	7.34	40.2	9.02	42.9	9.94
	30	21.0	4.33	23.7	4.98	26.5	5.67	29.2	6.40	32.0	7.19	34.7	8.02	40.2	9.87	42.9	10.89
	33	21.0	4.70	23.7	5.41	26.5	6.17	29.2	6.98	32.0	7.84	34.7	8.76	40.2	10.84	42.9	12.04
	35	21.0	4.97	23.7	5.72	26.5	6.53	29.2	7.39	32.0	8.31	34.7	9.31	40.2	11.62	42.9	12.92
	37	21.0	5.25	23.7	6.05	26.5	6.91	29.2	7.82	32.0	8.85	34.7	9.96	40.2	12.46	42.9	13.86
	40	21.0	5.69	23.7	6.59	26.5	7.57	29.2	8.64	32.0	9.78	34.7	11.02	40.2	13.82	42.3	14.92
	43	21.0	6.24	23.7	7.25	26.5	8.35	29.2	9.53	32.0	10.81	34.7	12.19	40.2	15.34	41.2	15.67
	46	21.0	6.85	23.7	7.97	26.5	9.19	29.2	10.51	32.0	11.94	34.7	13.49	39.3	16.30	40.1	16.41
28.0 (70%)	10	18.4	3.09	20.8	3.42	23.2	3.75	25.6	4.07	28.0	4.40	30.3	4.73	35.1	5.38	37.5	5.71
	15	18.4	3.09	20.8	3.42	23.2	3.75	25.6	4.07	28.0	4.40	30.3	4.73	35.1	5.38	37.5	5.71
	21	18.4	3.15	20.8	3.48	23.2	3.82	25.6	4.17	28.0	4.64	30.3	5.14	35.1	6.23	37.5	6.82
	23	18.4	3.26	20.8	3.61	23.2	3.96	25.6	4.43	28.0	4.93	30.3	5.46	35.1	6.62	37.5	7.25
	25	18.4	3.38	20.8	3.75	23.2	4.19	25.6	4.70	28.0	5.23	30.3	5.80	35.1	7.03	37.5	7.70
	27	18.4	3.50	20.8	3.93	23.2	4.44	25.6	4.98	28.0	5.55	30.3	6.15	35.1	7.47	37.5	8.18
	30	18.4	3.75	20.8	4.28	23.2	4.84	25.6	5.43	28.0	6.06	30.3	6.72	35.1	8.16	37.5	8.95
	33	18.4	4.06	20.8	4.64	23.2	5.26	25.6	5.91	28.0	6.60	30.3	7.33	35.1	8.92	37.5	9.78
	35	18.4	4.29	20.8	4.91	23.2	5.56	25.6	6.25	28.0	6.99	30.3	7.76	35.1	9.48	37.5	10.46
	37	18.4	4.52	20.8	5.18	23.2	5.88	25.6	6.61	28.0	7.39	30.3	8.24	35.1	10.15	37.5	11.21
	40	18.4	4.90	20.8	5.62	23.2	6.39	25.6	7.23	28.0	8.14	30.3	9.10	35.1	11.24	37.5	12.42
	43	18.4	5.33	20.8	6.15	23.2	7.03	25.6	7.97	28.0	8.97	30.3	10.04	35.1	12.43	37.5	13.76
	46	18.4	5.85	20.8	6.75	23.2	7.73	25.6	8.77	28.0	9.88	30.3	11.08	35.1	13.75	37.5	15.25
24.0 (60%)	10	15.7	2.73	17.8	3.01	19.8	3.29	21.9	3.57	24.0	3.85	26.0	4.13	30.1	4.69	32.2	4.98
	15	15.7	2.73	17.8	3.01	19.8	3.29	21.9	3.57	24.0	3.85	26.0	4.13	30.1	4.69	32.2	4.98
	21	15.7	2.78	17.8	3.07	19.8	3.35	21.9	3.64	24.0	3.93	26.0	4.26	30.1	5.09	32.2	5.54
	23	15.7	2.88	17.8	3.18	19.8	3.48	21.9	3.78	24.0	4.11	26.0	4.52	30.1	5.41	32.2	5.89
	25	15.7	2.98	17.8	3.29	19.8	3.61	21.9	3.94	24.0	4.35	26.0	4.80	30.1	5.74	32.2	6.25
	27	15.7	3.09	17.8	3.41	19.8	3.74	21.9	4.17	24.0	4.61	26.0	5.08	30.1	6.09	32.2	6.64
	30	15.7	3.25	17.8	3.62	19.8	4.07	21.9	4.54	24.0	5.03	26.0	5.54	30.1	6.65	32.2	7.25
	33	15.7	3.46	17.8	3.93	19.8	4.42	21.9	4.93	24.0	5.47	26.0	6.03	30.1	7.25	32.2	7.91
	35	15.7	3.65	17.8	4.14	19.8	4.66	21.9	5.21	24.0	5.78	26.0	6.38	30.1	7.68	32.2	8.38
	37	15.7	3.84	17.8	4.37	19.8	4.92	21.9	5.50	24.0	6.11	26.0	6.75	30.1	8.15	32.2	8.93
	40	15.7	4.16	17.8	4.73	19.8	5.34	21.9	5.97	24.0	6.66	26.0	7.40	30.1	9.00	32.2	9.87
	43	15.7	4.49	17.8	5.14	19.8	5.83	21.9	6.56	24.0	7.33	26.0	8.15	30.1	9.93	32.2	10.91
	46	15.7	4.91	17.8	5.63	19.8	6.40	21.9	7.20	24.0	8.06	26.0	8.97	30.1	10.96	32.2	12.05
20.0 (50%)	10	13.1	2.37	14.8	2.60	16.5	2.84	18.2	3.07	20.0	3.31	21.7	3.54	25.1	4.01	26.8	4.24
	15	13.1	2.37	14.8	2.60	16.5	2.84	18.2	3.07	20.0	3.31	21.7	3.54	25.1	4.01	26.8	4.24
	21	13.1	2.41	14.8	2.65	16.5	2.89	18.2	3.13	20.0	3.37	21.7	3.61	25.1	4.08	26.8	4.41
	23	13.1	2.49	14.8	2.74	16.5	2.99	18.2	3.24	20.0	3.49	21.7	3.74	25.1	4.33	26.8	4.68
	25	13.1	2.58	14.8	2.84	16.5	3.10	18.2	3.36	20.0	3.62	21.7	3.89	25.1	4.59	26.8	4.97
	27	13.1	2.67	14.8	2.94	16.5	3.21	18.2	3.48	20.0	3.76	21.7	4.12	25.1	4.87	26.8	5.27
	30	13.1	2.80	14.8	3.09	16.5	3.38	18.2	3.72	20.0	4.09	21.7	4.48	25.1	5.31	26.8	5.75
	33	13.1	2.94	14.8	3.26	16.5	3.64	18.2	4.03	20.0	4.44	21.7	4.87	25.1	5.78	26.8	6.26
	35	13.1	3.05	14.8	3.43	16.5	3.84	18.2	4.25	20.0	4.69	21.7	5.14	25.1	6.11	26.8	6.62
	37	13.1	3.21	14.8	3.62	16.5	4.04	18.2	4.49	20.0	4.95	21.7	5.43	25.1	6.46	26.8	7.01
	40	13.1	3.46	14.8	3.91	16.5	4.37	18.2	4.86	20.0	5.37	21.7	5.90	25.1	7.06	26.8	7.69
	43	13.1	3.73	14.8	4.22	16.5	4.74	18.2	5.29	20.0	5.87	21.7	6.47	25.1	7.77	26.8	8.47
	46	13.1	4.05	14.8	4.60	16.5	5.18	18.2	5.80	20.0	6.44	21.7	7.11	25.1	8.55	26.8	9.33

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳144LALH

● Capacity : 45.0 kW (16HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
67.5 (150%)	10	44.4	7.27	50.1	8.14	55.9	9.01	61.7	10.35	65.0	11.19	66.3	11.29	68.8	11.48	70.1	11.58
	15	44.4	7.32	50.1	8.79	55.9	10.43	61.5	12.22	62.8	12.32	64.0	12.42	66.4	12.63	67.6	12.73
	21	44.4	8.90	50.1	10.69	55.9	12.69	58.8	13.57	59.9	13.68	61.1	13.79	63.5	14.01	64.6	14.12
	23	44.4	9.48	50.1	11.39	55.9	13.53	57.9	14.02	59.0	14.13	60.2	14.25	62.5	14.47	63.6	14.59
	25	44.4	10.10	50.1	12.13	55.9	14.36	56.9	14.48	58.0	14.59	59.2	14.71	61.4	14.94	62.6	15.05
	27	44.4	10.74	50.1	12.91	54.9	14.81	56.0	14.93	57.1	15.05	58.2	15.16	60.4	15.41	61.5	15.56
	30	44.4	11.77	50.1	14.17	53.5	15.57	54.6	15.72	55.6	15.87	56.7	16.02	58.9	16.32	60.1	16.47
	33	44.4	12.93	50.1	15.78	52.1	16.48	53.1	16.63	54.2	16.78	55.3	16.93	57.5	17.23	58.5	17.38
	35	44.4	13.88	50.1	16.93	51.1	17.08	52.2	17.23	53.3	17.39	54.3	17.54	56.5	17.84	57.5	17.99
	37	44.4	14.90	49.2	17.53	50.2	17.69	51.2	17.84	52.3	17.99	53.3	18.14	55.5	18.44	56.5	18.59
	40	44.4	16.56	47.7	18.44	48.8	18.59	49.8	18.75	50.8	18.90	51.9	19.05	53.9	19.35	55.0	19.50
	43	44.4	18.41	46.3	19.34	47.3	19.50	48.3	19.65	49.3	19.81	50.4	19.96	52.4	20.27	53.4	20.41
	46	43.9	20.09	44.9	20.25	45.9	20.41	46.9	20.56	47.9	20.72	48.9	20.87	50.9	21.18	51.9	21.33
63.0 (140%)	10	41.4	6.83	46.8	7.64	52.2	8.45	57.6	9.26	63.0	10.72	65.3	11.21	67.8	11.40	69.0	11.50
	15	41.4	6.83	46.8	7.92	52.2	9.34	57.6	10.94	61.8	12.24	63.0	12.34	65.4	12.55	66.6	12.65
	21	41.4	8.07	46.8	9.63	52.2	11.37	57.6	13.31	59.1	13.60	60.2	13.71	62.5	13.92	63.7	14.03
	23	41.4	8.59	46.8	10.26	52.2	12.12	57.0	13.94	58.2	14.05	59.3	14.16	61.6	14.39	62.7	14.50
	25	41.4	9.14	46.8	10.92	52.2	12.91	56.1	14.40	57.2	14.51	58.4	14.62	60.6	14.85	61.7	14.96
	27	41.4	9.72	46.8	11.62	52.2	13.74	55.2	14.85	56.3	14.97	57.4	15.08	59.6	15.31	60.7	15.45
	30	41.4	10.65	46.8	12.74	52.2	15.14	53.8	15.62	54.9	15.77	56.0	15.92	58.1	16.21	59.2	16.36
	33	41.4	11.66	46.8	14.08	51.4	16.38	52.4	16.53	53.5	16.68	54.6	16.83	56.7	17.12	57.8	17.27
	35	41.4	12.47	46.8	15.12	50.5	16.99	51.5	17.14	52.6	17.29	53.6	17.44	55.7	17.73	56.8	17.88
	37	41.4	13.37	46.8	16.24	49.6	17.59	50.6	17.74	51.6	17.89	52.6	18.04	54.7	18.34	55.8	18.49
	40	41.4	14.84	46.8	18.07	48.2	18.50	49.2	18.65	50.2	18.80	51.2	18.96	53.2	19.26	54.3	19.40
	43	41.4	16.47	45.8	19.25	46.8	19.41	47.7	19.56	48.7	19.72	49.7	19.87	51.8	20.17	52.8	20.32
	46	41.4	18.29	44.4	20.16	45.3	20.32	46.3	20.47	47.3	20.63	48.3	20.78	50.2	21.08	51.2	21.23
58.5 (130%)	10	38.5	6.38	43.5	7.13	48.5	7.89	53.5	8.64	58.5	9.46	63.5	10.87	66.6	11.31	67.8	11.41
	15	38.5	6.38	43.5	7.13	48.5	8.34	53.5	9.70	58.5	11.22	62.0	12.25	64.3	12.45	65.5	12.55
	21	38.5	7.28	43.5	8.64	48.5	10.14	53.5	11.81	58.1	13.51	59.3	13.62	61.5	13.83	62.7	13.94
	23	38.5	7.75	43.5	9.20	48.5	10.81	53.5	12.59	57.2	13.96	58.4	14.07	60.6	14.29	61.7	14.40
	25	38.5	8.25	43.5	9.79	48.5	11.51	53.5	13.41	56.3	14.42	57.4	14.53	59.6	14.75	60.7	14.86
	27	38.5	8.77	43.5	10.42	48.5	12.25	53.5	14.28	55.4	14.87	56.5	14.99	58.7	15.22	59.8	15.33
	30	38.5	9.60	43.5	11.42	48.5	13.44	53.0	15.51	54.1	15.66	55.1	15.80	57.3	16.09	58.3	16.24
	33	38.5	10.50	43.5	12.51	48.5	14.90	51.7	16.42	52.7	16.57	53.7	16.72	55.8	17.01	56.9	17.15
	35	38.5	11.15	43.5	13.43	48.5	16.02	50.8	17.03	51.8	17.18	52.8	17.32	54.9	17.62	55.9	17.76
	37	38.5	11.96	43.5	14.41	48.5	17.21	49.8	17.63	50.9	17.78	51.9	17.93	53.9	18.23	55.0	18.37
	40	38.5	13.26	43.5	16.01	47.5	18.39	48.5	18.55	49.5	18.70	50.5	18.85	52.5	19.14	53.5	19.29
	43	38.5	14.69	43.5	17.78	46.1	19.31	47.1	19.46	48.1	19.61	49.0	19.76	51.0	20.06	52.0	20.21
	46	38.5	16.28	43.5	19.78	44.7	20.22	45.7	20.37	46.6	20.52	47.6	20.68	49.5	20.98	50.5	21.12
54.0 (120%)	10	35.5	5.93	40.1	6.63	44.7	7.32	49.3	8.02	54.0	8.72	58.6	9.49	65.2	11.21	66.5	11.30
	15	35.5	5.93	40.1	6.63	44.7	7.41	49.3	8.57	54.0	9.85	58.6	11.25	63.1	12.35	64.2	12.44
	21	35.5	6.54	40.1	7.72	44.7	9.01	49.3	10.42	54.0	11.98	58.2	13.51	60.4	13.72	61.5	13.83
	23	35.5	6.97	40.1	8.22	44.7	9.59	49.3	11.11	54.0	12.77	57.3	13.97	59.5	14.18	60.6	14.29
	25	35.5	7.41	40.1	8.74	44.7	10.21	49.3	11.83	54.0	13.61	56.4	14.42	58.6	14.64	59.6	14.75
	27	35.5	7.87	40.1	9.30	44.7	10.86	49.3	12.59	54.0	14.50	55.5	14.88	57.6	15.11	58.7	15.22
	30	35.5	8.61	40.1	10.18	44.7	11.91	49.3	13.82	53.1	15.53	54.2	15.67	56.3	15.96	57.3	16.10
	33	35.5	9.42	40.1	11.14	44.7	13.09	49.3	15.36	51.8	16.44	52.8	16.59	54.9	16.87	55.9	17.02
	35	35.5	9.99	40.1	11.87	44.7	14.05	49.3	16.51	50.9	17.05	51.9	17.20	54.0	17.49	55.0	17.63
	37	35.5	10.64	40.1	12.73	44.7	15.09	49.0	17.51	50.0	17.66	51.0	17.81	53.0	18.10	54.0	18.24
	40	35.5	11.79	40.1	14.13	44.7	16.77	47.7	18.43	48.7	18.57	49.6	18.72	51.6	19.02	52.6	19.16
	43	35.5	13.04	40.1	15.67	44.7	18.64	46.3	19.34	47.3	19.49	48.2	19.64	50.2	19.94	51.2	20.08
	46	35.5	14.43	40.1	17.38	44.0	20.10	45.0	20.26	45.9	20.41	46.8	20.56	48.7	20.86	49.7	21.00
49.5 (110%)	10	32.5	5.49	36.8	6.12	41.0	6.76	45.2	7.40	49.5	8.04	53.7	8.68	62.1	10.49	64.9	11.19
	15	32.5	5.49	36.8	6.12	41.0	6.76	45.2	7.53	49.5	8.60	53.7	9.77	61.7	12.23	62.8	12.32
	21	32.5	5.85	36.8	6.85	41.0	7.95	45.2	9.15	49.5	10.46	53.7	11.89	59.1	13.60	60.2	13.70
	23	32.5	6.22	36.8	7.30	41.0	8.47	45.2	9.75	49.5	11.15	53.7	12.67	58.2	14.06	59.3	14.16
	25	32.5	6.62	36.8	7.76	41.0	9.01	45.2	10.38	49.5	11.87	53.7	13.50	57.3	14.52	58.4	14.63
	27	32.5	7.03	36.8	8.25	41.0	9.58	45.2	11.04	49.5	12.64	53.7	14.38	56.5	14.98	57.5	15.09
	30	32.5	7.69	36.8	9.03	41.0	10.50	45.2	12.11	49.5	13.87	53.1	15.52	55.1	15.80	56.1	15.94
	33	32.5	8.40	36.8	9.87	41.0	11.49	45.2	13.32	49.5	15.42	51.8	16.44	53.8	16.72	54.8	16.86
	35	32.5	8.90	36.8	10.48	41.0	12.27	45.2	14.31	49.5	16.57	50.9	17.05	52.9	17.33	53.9	17.48
	37	32.5	9.43	36.8	11.19	41.0	13.16	45.2	15.36	49.1	17.52	50.0	17.66	52.0	17.95	53.0	18.09
	40	32.5	10.43	36.8	12.40	41.0	14.61	45.2	17.07	47.7	18.43	48.7	18.58	50.6	18.87	51.6	19.01
	43	32.5	11.53	36.8	13.73	41.0	16.21	45.2	18.99	46.4	19.35	47.3	19.50	49.2	19.79	50.2	19.94
	46	32.5	12.73	36.8	15.20	41.0	17.99	44.1	20.12	45.1	20.27	46.0	20.42	47.8	20.72	48.8	20.86

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳144LALH

● Capacity : 45.0 kW (16HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
45.0 (100%)	10	29.6	5.04	33.4	5.62	37.3	6.20	41.1	6.78	45.0	7.36	48.8	7.94	56.5	9.10	60.3	9.97
	15	29.6	5.04	33.4	5.62	37.3	6.20	41.1	6.78	45.0	7.46	48.8	8.43	56.5	10.61	60.3	11.83
	21	29.6	5.19	33.4	6.05	37.3	6.98	41.1	7.98	45.0	9.07	48.8	10.25	56.5	12.91	58.7	13.56
	23	29.6	5.53	33.4	6.44	37.3	7.43	41.1	8.50	45.0	9.66	48.8	10.92	56.5	13.76	57.8	14.02
	25	29.6	5.87	33.4	6.85	37.3	7.90	41.1	9.05	45.0	10.29	48.8	11.63	56.0	14.38	57.0	14.48
	27	29.6	6.24	33.4	7.28	37.3	8.40	41.1	9.62	45.0	10.94	48.8	12.38	55.1	14.84	56.1	14.95
	30	29.6	6.81	33.4	7.96	37.3	9.20	41.1	10.54	45.0	12.00	48.8	13.59	53.8	15.62	54.8	15.76
	33	29.6	7.44	33.4	8.69	37.3	10.06	41.1	11.54	45.0	13.20	48.8	15.08	52.5	16.55	53.5	16.68
	35	29.6	7.88	33.4	9.22	37.3	10.67	41.1	12.33	45.0	14.17	48.8	16.21	51.7	17.16	52.6	17.30
	37	29.6	8.35	33.4	9.78	37.3	11.41	41.1	13.22	45.0	15.21	48.8	17.41	50.8	17.78	51.8	17.92
	40	29.6	9.16	33.4	10.82	37.3	12.65	41.1	14.67	45.0	16.91	47.6	18.42	49.5	18.70	50.4	18.84
	43	29.6	10.12	33.4	11.97	37.3	14.01	41.1	16.28	45.0	18.80	46.3	19.34	48.2	19.63	49.1	19.77
	46	29.6	11.16	33.4	13.22	37.3	15.52	41.1	18.07	44.1	20.12	45.0	20.26	46.8	20.55	47.7	20.70
40.5 (90%)	10	26.6	4.59	30.1	5.11	33.5	5.64	37.0	6.16	40.5	6.68	43.9	7.20	50.8	8.25	54.3	8.77
	15	26.6	4.59	30.1	5.11	33.5	5.64	37.0	6.16	40.5	6.68	43.9	7.21	50.8	8.97	54.3	9.95
	21	26.6	4.68	30.1	5.30	33.5	6.08	37.0	6.91	40.5	7.81	43.9	8.77	50.8	10.91	54.3	12.11
	23	26.6	4.87	30.1	5.64	33.5	6.47	37.0	7.36	40.5	8.32	43.9	9.34	50.8	11.63	54.3	12.91
	25	26.6	5.17	30.1	6.00	33.5	6.88	37.0	7.83	40.5	8.85	43.9	9.94	50.8	12.39	54.3	13.75
	27	26.6	5.49	30.1	6.37	33.5	7.31	37.0	8.32	40.5	9.41	43.9	10.58	50.8	13.19	54.3	14.65
	30	26.6	6.00	30.1	6.96	33.5	7.99	37.0	9.11	40.5	10.30	43.9	11.59	50.8	14.48	53.3	15.55
	33	26.6	6.54	30.1	7.59	33.5	8.73	37.0	9.96	40.5	11.28	43.9	12.72	50.8	16.16	52.0	16.48
	35	26.6	6.92	30.1	8.05	33.5	9.26	37.0	10.57	40.4	12.03	43.9	13.65	50.3	16.96	51.2	17.09
	37	26.6	7.33	30.1	8.52	33.5	9.82	37.0	11.30	40.5	12.90	43.9	14.65	49.4	17.57	50.4	17.71
	40	26.6	7.99	30.1	9.37	33.5	10.87	37.0	12.52	40.5	14.31	43.9	16.28	48.2	18.50	49.1	18.64
	43	26.6	8.81	30.1	10.35	33.5	12.03	37.0	13.86	40.5	15.88	43.9	18.09	46.9	19.43	47.8	19.57
	46	26.6	9.71	30.1	11.42	33.5	13.29	37.0	15.35	40.5	17.62	43.9	20.08	45.6	20.36	46.5	20.50
36.0 (80%)	10	23.6	4.14	26.7	4.61	29.8	5.07	32.9	5.54	36.0	6.00	39.0	6.47	45.2	7.39	48.3	7.86
	15	23.6	4.14	26.7	4.61	29.8	5.07	32.9	5.54	36.0	6.00	39.0	6.47	45.2	7.52	48.3	8.29
	21	23.6	4.23	26.7	4.70	29.8	5.24	32.9	5.93	36.0	6.66	39.0	7.43	45.2	9.14	48.3	10.08
	23	23.6	4.39	26.7	4.90	29.8	5.58	32.9	6.31	36.0	7.08	39.0	7.91	45.2	9.74	48.3	10.74
	25	23.6	4.56	26.7	5.20	29.8	5.93	32.9	6.71	36.0	7.54	39.0	8.42	45.2	10.37	48.3	11.44
	27	23.6	4.79	26.7	5.52	29.8	6.30	32.9	7.13	36.0	8.01	39.0	8.95	45.2	11.03	48.3	12.17
	30	23.6	5.23	26.7	6.03	29.8	6.88	32.9	7.79	36.0	8.76	39.0	9.80	45.2	12.09	48.3	13.36
	33	23.6	5.69	26.7	6.57	29.8	7.51	32.9	8.51	36.0	9.58	39.0	10.72	45.2	13.30	48.3	14.80
	35	23.6	6.02	26.7	6.96	29.8	7.96	32.9	9.02	36.0	10.16	39.0	11.40	45.2	14.29	48.3	15.91
	37	23.6	6.37	26.7	7.36	29.8	8.43	32.9	9.56	36.0	10.84	39.0	12.22	45.2	15.34	48.3	17.09
	40	23.6	6.92	26.7	8.04	29.8	9.26	32.9	10.58	36.0	12.01	39.0	13.56	45.2	17.05	47.5	18.40
	43	23.6	7.60	26.7	8.86	29.8	10.22	32.9	11.70	36.0	13.29	39.0	15.02	45.2	18.96	46.3	19.34
	46	23.6	8.36	26.7	9.76	29.8	11.28	32.9	12.92	36.0	14.71	39.0	16.66	44.2	20.13	45.1	20.27
31.5 (70%)	10	20.7	3.70	23.4	4.10	26.1	4.51	28.8	4.92	31.5	5.32	34.1	5.73	39.5	6.54	42.2	6.95
	15	20.7	3.70	23.4	4.10	26.1	4.51	28.8	4.92	31.5	5.32	34.1	5.73	39.5	6.54	42.2	6.95
	21	20.7	3.77	23.4	4.18	26.1	4.60	28.8	5.02	31.5	5.61	34.1	6.22	39.5	7.56	42.2	8.29
	23	20.7	3.91	23.4	4.35	26.1	4.78	28.8	5.34	31.5	5.96	34.1	6.62	39.5	8.05	42.2	8.83
	25	20.7	4.06	23.4	4.51	26.1	5.05	28.8	5.68	31.5	6.34	34.1	7.04	39.5	8.57	42.2	9.40
	27	20.7	4.21	23.4	4.73	26.1	5.36	28.8	6.03	31.5	6.74	34.1	7.48	39.5	9.11	42.2	9.99
	30	20.7	4.50	23.4	5.16	26.1	5.85	28.8	6.59	31.5	7.36	34.1	8.19	39.5	9.98	42.2	10.95
	33	20.7	4.90	23.4	5.62	26.1	6.38	28.8	7.19	31.5	8.04	34.1	8.94	39.5	10.92	42.2	11.99
	35	20.7	5.18	23.4	5.94	26.1	6.75	28.8	7.61	31.5	8.52	34.1	9.48	39.5	11.62	42.2	12.84
	37	20.7	5.47	23.4	6.29	26.1	7.15	28.8	8.06	31.5	9.03	34.1	10.08	39.5	12.46	42.2	13.78
	40	20.7	5.94	23.4	6.83	26.1	7.79	28.8	8.84	31.5	9.96	34.1	11.16	39.5	13.82	42.2	15.30
	43	20.7	6.48	23.4	7.50	26.1	8.59	28.8	9.75	31.5	11.00	34.1	12.34	39.5	15.32	42.2	16.98
	46	20.7	7.12	23.4	8.25	26.1	9.46	28.8	10.75	31.5	12.15	34.1	13.64	39.5	16.99	42.2	18.87
27.0 (60%)	10	17.7	3.25	20.0	3.60	22.3	3.95	24.6	4.30	27.0	4.64	29.3	4.99	33.9	5.69	36.2	6.04
	15	17.7	3.25	20.0	3.60	22.3	3.95	24.6	4.30	27.0	4.64	29.3	4.99	33.9	5.69	36.2	6.04
	21	17.7	3.31	20.0	3.67	22.3	4.02	24.6	4.38	27.0	4.74	29.3	5.13	33.9	6.16	36.2	6.71
	23	17.7	3.43	20.0	3.81	22.3	4.18	24.6	4.55	27.0	4.95	29.3	5.46	33.9	6.55	36.2	7.15
	25	17.7	3.56	20.0	3.95	22.3	4.34	24.6	4.74	27.0	5.25	29.3	5.80	33.9	6.97	36.2	7.60
	27	17.7	3.69	20.0	4.10	22.3	4.50	24.6	5.02	27.0	5.58	29.3	6.16	33.9	7.41	36.2	8.08
	30	17.7	3.89	20.0	4.35	22.3	4.90	24.6	5.48	27.0	6.09	29.3	6.73	33.9	8.10	36.2	8.84
	33	17.7	4.16	20.0	4.73	22.3	5.34	24.6	5.97	27.0	6.64	29.3	7.34	33.9	8.85	36.2	9.66
	35	17.7	4.39	20.0	5.00	22.3	5.64	24.6	6.32	27.0	7.03	29.3	7.78	33.9	9.39	36.2	10.25
	37	17.7	4.63	20.0	5.28	22.3	5.97	24.6	6.69	27.0	7.44	29.3	8.24	33.9	9.97	36.2	10.94
	40	17.7	5.02	20.0	5.73	22.3	6.48	24.6	7.27	27.0	8.12	29.3	9.04	33.9	11.03	36.2	12.12
	43	17.7	5.44	20.0	6.24	22.3	7.10	24.6	8.00	27.0	8.96	29.3	9.98	33.9	12.20	36.2	13.42
	46	17.7	5.96	20.0	6.85	22.3	7.80	24.6	8.81	27.0	9.87	29.3	11.01	33.9	13.49	36.2	14.85
22.5 (50%)	10	14.8	2.80	16.7	3.09	18.6	3.38	20.5	3.67	22.5	3.96	24.4	4.25	28.2	4.84	30.1	5.13
	15	14.8	2.80	16.7	3.09	18.6	3.38	20.5	3.67	22.5	3.96	24.4	4.25	28.2	4.84	30.1	5.13
	21	14.8	2.85	16.7	3.15	18.6	3.45	20.5	3.74	22.5	4.04	24.4	4.34	28.2	4.93	30.1	5.32
	23	14.8	2.96	16.7	3.27	18.6	3.58	20.5	3.89	22.5	4.20	24.4	4.51	28.2	5.22	30.1	5.66
	25	14.8	3.06	16.7	3.39	18.6	3.71	20.5	4.03	22.5	4.36	24.4	4.68	28.2	5.55	30.1	6.01
	27	14.8	3.17	16.7	3.51	18.6	3.85	20.5	4.18	22.5	4.52	24.4	4.96	28.2	5.89	30.1	6.39
	30	14.8	3.34	16.7	3.70	18.6	4.06	20.5	4.47	22.5	4.93	24.4	5.41	28.2	6.44	30.1	6.98
	33	14.8	3.51	16.7	3.90	18.6	4.37	20.5	4.86	22.5	5.37	24.4	5.90	28.2	7.02	30.1	7.62
	35	14.8	3.64	16.7	4.12	18.6	4.62	20.5	5.14	22.5	5.68	24.4	6.24	28.2	7.44	30.1	8.07
	37	14.8	3.84	16.7	4.35	18.6	4.88	20.5	5.43	22.5	6.00	24.4	6.60	28.2	7.87	30.1	8.55
	40	14.8	4.15	16.7	4.71	18.6	5.29	20.5	5.89	22.5	6.52	24.4	7.18	28.2	8.62	30.1	9.40
	43	14.8	4.49	16.7	5.10	18.6	5.74	20.5	6.42	22.5	7.14	24.4	7.89	28.2	9.51	30.1	10.38
	46	14.8	4.89	16.7	5.57	18.6	6.30	20.5	7.06	22.5	7.85	24.4	8.69	28.2	10.49	30.1	11.46

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳162LALH

● Capacity : 50.4 kW (18HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
75.6 (150%)	10	49.7	6.82	56.1	7.63	62.6	8.44	69.1	9.80	72.6	10.54	74.1	10.64	76.8	10.83	78.2	10.92
	15	49.7	6.93	56.1	8.31	62.6	9.85	68.7	11.48	70.1	11.58	71.4	11.68	74.1	11.88	75.5	11.97
	21	49.7	8.39	56.1	10.06	62.6	11.94	65.7	12.72	67.0	12.83	68.3	12.93	70.9	13.14	72.2	13.24
	23	49.7	8.93	56.1	10.71	62.6	12.71	64.6	13.13	66.0	13.25	67.3	13.35	69.8	13.56	71.1	13.68
	25	49.7	9.49	56.1	11.39	62.4	13.45	63.7	13.55	64.9	13.66	66.2	13.77	68.7	13.98	70.0	14.10
	27	49.7	10.09	56.1	12.11	61.4	13.86	62.6	13.97	63.9	14.08	65.1	14.20	67.5	14.44	68.8	14.58
	30	49.7	11.04	56.1	13.27	59.8	14.56	61.0	14.71	62.3	14.84	63.5	14.98	65.9	15.27	67.1	15.41
	33	49.7	12.10	56.1	14.74	58.3	15.39	59.4	15.53	60.7	15.67	61.9	15.81	64.3	16.10	65.5	16.24
	35	49.7	12.97	56.1	15.79	57.2	15.94	58.5	16.08	59.6	16.23	60.8	16.37	63.2	16.65	64.4	16.79
	37	49.7	13.90	55.1	16.35	56.2	16.49	57.4	16.64	58.5	16.78	59.7	16.93	62.1	17.20	63.3	17.34
	40	49.7	15.41	53.5	17.18	54.7	17.32	55.8	17.47	56.9	17.61	58.1	17.76	60.5	18.03	61.6	18.18
	43	49.7	17.08	52.0	18.00	53.1	18.15	54.2	18.30	55.3	18.44	56.5	18.59	58.7	18.87	59.9	19.01
	46	49.3	18.68	50.4	18.83	51.5	18.98	52.6	19.13	53.7	19.28	54.8	19.42	57.1	19.71	58.2	19.84
70.6 (140%)	10	46.3	6.40	52.4	7.16	58.3	7.91	64.4	8.74	70.4	10.16	72.9	10.57	75.7	10.75	77.0	10.83
	15	46.3	6.40	52.4	7.49	58.3	8.84	64.4	10.33	69.1	11.50	70.4	11.60	73.0	11.79	74.4	11.90
	21	46.3	7.61	52.4	9.07	58.3	10.70	64.4	12.51	66.0	12.75	67.3	12.86	69.9	13.06	71.2	13.17
	23	46.3	8.10	52.4	9.65	58.3	11.39	63.7	13.06	65.0	13.17	66.2	13.27	68.9	13.49	70.1	13.59
	25	46.3	8.61	52.4	10.26	58.3	12.12	62.8	13.48	64.0	13.59	65.3	13.69	67.7	13.91	68.9	14.02
	27	46.3	9.14	52.4	10.90	58.3	12.88	61.7	13.89	63.0	14.00	64.2	14.11	66.6	14.34	67.8	14.47
	30	46.3	10.00	52.4	11.94	58.3	14.17	60.3	14.61	61.4	14.74	62.6	14.88	65.0	15.17	66.2	15.30
	33	46.3	10.93	52.4	13.16	57.6	15.30	58.7	15.44	59.9	15.57	61.0	15.72	63.5	16.00	64.6	16.14
	35	46.3	11.66	52.4	14.12	56.5	15.85	57.6	15.99	58.8	16.13	60.0	16.27	62.4	16.56	63.5	16.69
	37	46.3	12.49	52.4	15.14	55.5	16.40	56.7	16.55	57.8	16.69	59.0	16.83	61.2	17.11	62.5	17.25
	40	46.3	13.83	52.4	16.79	54.0	17.23	55.1	17.38	56.2	17.52	57.4	17.66	59.6	17.95	60.8	18.08
	43	46.3	15.31	51.3	17.92	52.4	18.06	53.5	18.21	54.6	18.35	55.8	18.50	58.0	18.78	59.1	18.91
	46	46.3	16.95	49.7	18.75	50.8	18.89	51.9	19.04	53.1	19.19	54.2	19.33	56.4	19.62	57.5	19.76
65.5 (130%)	10	43.0	5.99	48.6	6.69	54.2	7.39	59.8	8.10	65.5	8.96	71.1	10.30	74.3	10.66	75.7	10.75
	15	43.0	5.99	48.6	6.72	54.2	7.88	59.8	9.17	65.5	10.59	69.2	11.52	71.8	11.71	73.2	11.80
	21	43.0	6.87	48.6	8.15	54.2	9.55	59.8	11.11	65.0	12.67	66.2	12.76	68.7	12.97	70.0	13.07
	23	43.0	7.31	48.6	8.66	54.2	10.16	59.8	11.83	64.0	13.08	65.3	13.18	67.7	13.39	68.9	13.49
	25	43.0	7.77	48.6	9.21	54.2	10.81	59.8	12.59	63.0	13.50	64.2	13.60	66.7	13.81	67.9	13.92
	27	43.0	8.25	48.6	9.78	54.2	11.50	59.8	13.39	62.0	13.91	63.2	14.03	65.6	14.24	66.8	14.35
	30	43.0	9.01	48.6	10.71	54.2	12.59	59.4	14.50	60.5	14.64	61.7	14.78	64.1	15.05	65.3	15.19
	33	43.0	9.84	48.6	11.71	54.2	13.92	57.8	15.33	59.0	15.47	60.1	15.61	62.5	15.88	63.7	16.02
	35	43.0	10.45	48.6	12.56	54.2	14.94	56.9	15.89	58.0	16.03	59.2	16.17	61.4	16.44	62.6	16.58
	37	43.0	11.18	48.6	13.45	54.2	16.02	55.8	16.45	56.9	16.59	58.1	16.72	60.3	17.00	61.5	17.14
	40	43.0	12.37	48.6	14.91	53.3	17.13	54.3	17.28	55.4	17.42	56.5	17.56	58.8	17.84	59.9	17.98
	43	43.0	13.67	48.6	16.51	51.7	17.97	52.8	18.11	53.9	18.25	54.9	18.40	57.2	18.67	58.3	18.81
	46	43.0	15.12	48.6	18.30	50.2	18.80	51.2	18.94	52.3	19.09	53.3	19.23	55.6	19.52	56.7	19.65
60.5 (120%)	10	39.7	5.57	44.8	6.22	50.0	6.87	55.2	7.52	60.4	8.17	65.5	8.99	72.8	10.56	74.2	10.66
	15	39.7	5.57	44.8	6.22	50.0	7.01	55.2	8.10	60.4	9.30	65.5	10.63	70.5	11.61	71.8	11.70
	21	39.7	6.17	44.8	7.28	50.0	8.49	55.2	9.82	60.4	11.27	65.0	12.67	67.5	12.86	68.7	12.96
	23	39.7	6.57	44.8	7.74	50.0	9.03	55.2	10.45	60.4	12.00	64.0	13.08	66.5	13.29	67.7	13.39
	25	39.7	6.97	44.8	8.23	50.0	9.60	55.2	11.11	60.4	12.78	63.1	13.50	65.5	13.71	66.7	13.81
	27	39.7	7.41	44.8	8.74	50.0	10.20	55.2	11.81	60.4	13.59	62.1	13.93	64.4	14.13	65.7	14.24
	30	39.7	8.09	44.8	9.56	50.0	11.17	55.2	12.94	59.4	14.52	60.6	14.65	63.0	14.93	64.1	15.05
	33	39.7	8.84	44.8	10.44	50.0	12.25	55.2	14.35	58.0	15.35	59.2	15.49	61.4	15.76	62.6	15.90
	35	39.7	9.36	44.8	11.12	50.0	13.14	55.2	15.40	57.0	15.91	58.1	16.05	60.4	16.32	61.5	16.45
	37	39.7	9.96	44.8	11.90	50.0	14.07	54.9	16.33	56.0	16.47	57.1	16.60	59.4	16.88	60.5	17.01
	40	39.7	11.01	44.8	13.18	50.0	15.60	53.5	17.16	54.5	17.30	55.6	17.45	57.8	17.72	58.9	17.86
	43	39.7	12.16	44.8	14.57	50.0	17.29	51.9	18.00	53.0	18.14	54.0	18.28	56.2	18.56	57.3	18.69
	46	39.7	13.43	44.8	16.12	49.4	18.70	50.4	18.84	51.5	18.98	52.6	19.12	54.7	19.40	55.8	19.54
55.4 (110%)	10	36.4	5.16	41.2	5.75	45.9	6.35	50.6	6.94	55.4	7.54	60.1	8.12	69.5	9.94	72.5	10.54
	15	36.4	5.16	41.2	5.75	45.9	6.35	50.6	7.12	55.4	8.14	60.1	9.23	68.9	11.49	70.1	11.59
	21	36.4	5.52	41.2	6.46	45.9	7.50	50.6	8.63	55.4	9.85	60.1	11.18	66.0	12.75	67.3	12.85
	23	36.4	5.88	41.2	6.88	45.9	7.98	50.6	9.17	55.4	10.48	60.1	11.91	65.1	13.17	66.2	13.27
	25	36.4	6.24	41.2	7.31	45.9	8.48	50.6	9.76	55.4	11.15	60.1	12.67	64.1	13.59	65.3	13.69
	27	36.4	6.61	41.2	7.77	45.9	9.01	50.6	10.37	55.4	11.86	60.1	13.47	63.1	14.01	64.3	14.12
	30	36.4	7.22	41.2	8.48	45.9	9.85	50.6	11.35	55.4	12.99	59.4	14.52	61.7	14.78	62.8	14.91
	33	36.4	7.88	41.2	9.26	45.9	10.76	50.6	12.46	55.4	14.40	58.0	15.35	60.1	15.62	61.3	15.75
	35	36.4	8.35	41.2	9.82	45.9	11.49	50.6	13.36	55.4	15.46	57.0	15.91	59.2	16.18	60.3	16.32
	37	36.4	8.84	41.2	10.47	45.9	12.30	50.6	14.32	54.9	16.33	56.0	16.47	58.2	16.74	59.4	16.88
	40	36.4	9.75	41.2	11.59	45.9	13.62	50.6	15.88	53.5	17.17	54.6	17.31	56.7	17.58	57.8	17.72
	43	36.4	10.77	41.2	12.80	45.9	15.07	50.6	17.61	52.0	18.01	53.1	18.15	55.2	18.42	56.2	18.56
	46	36.4	11.87	41.2	14.14	45.9	16.68	49.5	18.71	50.6	18.85	51.5	18.99	53.7	19.27	54.7	19.40

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳162LALH

● Capacity : 50.4 kW (18HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50.4 (100%)	10	33.1	4.73	37.4	5.28	41.7	5.82	46.0	6.36	50.4	6.90	54.6	7.44	63.2	8.52	67.5	9.45
	15	33.1	4.73	37.4	5.28	41.7	5.82	46.0	6.36	50.4	7.06	54.6	7.97	63.2	10.02	67.5	11.16
	21	33.1	4.91	37.4	5.71	41.7	6.58	46.0	7.53	50.4	8.56	54.6	9.65	63.2	12.14	65.6	12.71
	23	33.1	5.22	37.4	6.07	41.7	7.01	46.0	8.01	50.4	9.10	54.6	10.28	63.2	12.92	64.6	13.13
	25	33.1	5.54	37.4	6.46	41.7	7.45	46.0	8.52	50.4	9.68	54.6	10.92	62.6	13.47	63.7	13.56
	27	33.1	5.88	37.4	6.85	41.7	7.90	46.0	9.05	50.4	10.28	54.6	11.62	61.6	13.88	62.8	13.98
	30	33.1	6.41	37.4	7.48	41.7	8.64	46.0	9.89	50.4	11.25	54.6	12.72	60.3	14.61	61.3	14.74
	33	33.1	6.99	37.4	8.16	41.7	9.43	46.0	10.81	50.4	12.35	54.6	14.09	58.8	15.45	59.9	15.59
	35	33.1	7.39	37.4	8.65	41.7	10.00	46.0	11.54	50.4	13.24	54.6	15.12	57.8	16.01	58.9	16.15
	37	33.1	7.83	37.4	9.16	41.7	10.69	46.0	12.35	50.4	14.19	54.6	16.21	56.9	16.57	58.0	16.71
	40	33.1	8.58	37.4	10.12	41.7	11.81	46.0	13.67	50.4	15.73	53.3	17.16	55.4	17.42	56.5	17.55
	43	33.1	9.46	37.4	11.17	41.7	13.06	46.0	15.13	50.4	17.44	51.9	17.99	54.0	18.26	55.1	18.40
	46	33.1	10.41	37.4	12.32	41.7	14.43	46.0	16.75	49.5	18.70	50.4	18.84	52.5	19.11	53.5	19.25
45.4 (90%)	10	29.7	4.32	33.6	4.81	37.5	5.29	41.4	5.78	45.3	6.27	49.1	6.76	56.9	7.73	60.8	8.22
	15	29.7	4.32	33.6	4.81	37.5	5.29	41.4	5.78	45.3	6.27	49.1	6.82	56.9	8.48	60.8	9.40
	21	29.7	4.41	33.6	5.01	37.5	5.74	41.4	6.53	45.3	7.36	49.1	8.27	56.9	10.28	60.8	11.39
	23	29.7	4.60	33.6	5.33	37.5	6.10	41.4	6.94	45.3	7.84	49.1	8.80	56.9	10.94	60.8	12.13
	25	29.7	4.89	33.6	5.66	37.5	6.48	41.4	7.38	45.3	8.33	49.1	9.35	56.9	11.64	60.8	12.90
	27	29.7	5.18	33.6	6.00	37.5	6.88	41.4	7.82	45.3	8.84	49.1	9.93	56.9	12.37	60.8	13.73
	30	29.7	5.65	33.6	6.54	37.5	7.51	41.4	8.55	45.3	9.67	49.1	10.87	56.9	13.55	59.6	14.54
	33	29.7	6.15	33.6	7.14	37.5	8.19	41.4	9.33	45.3	10.57	49.1	11.90	56.9	15.08	58.3	15.38
	35	29.7	6.51	33.6	7.56	37.5	8.68	41.4	9.89	45.3	11.26	49.1	12.76	56.3	15.82	57.4	15.95
	37	29.7	6.88	33.6	8.00	37.5	9.21	41.4	10.57	45.3	12.05	49.1	13.68	55.4	16.38	56.4	16.52
	40	29.7	7.49	33.6	8.78	37.5	10.17	41.4	11.69	45.3	13.35	49.1	15.15	54.0	17.23	55.1	17.36
	43	29.7	8.25	33.6	9.68	37.5	11.23	41.4	12.92	45.3	14.77	49.1	16.79	52.6	18.09	53.6	18.21
	46	29.7	9.07	33.6	10.65	37.5	12.38	41.4	14.26	45.3	16.34	49.1	18.62	51.2	18.94	52.2	19.07
40.3 (80%)	10	26.4	3.91	29.9	4.34	33.3	4.77	36.7	5.21	40.3	5.63	43.7	6.07	50.6	6.93	54.0	7.37
	15	26.4	3.91	29.9	4.34	33.3	4.77	36.7	5.21	40.3	5.63	43.7	6.07	50.6	7.11	54.0	7.83
	21	26.4	3.98	29.9	4.43	33.3	4.96	36.7	5.59	40.3	6.28	43.7	7.01	50.6	8.61	54.0	9.50
	23	26.4	4.14	29.9	4.63	33.3	5.27	36.7	5.95	40.3	6.68	43.7	7.45	50.6	9.17	54.0	10.11
	25	26.4	4.29	29.9	4.91	33.3	5.59	36.7	6.32	40.3	7.09	43.7	7.92	50.6	9.75	54.0	10.75
	27	26.4	4.53	29.9	5.21	33.3	5.93	36.7	6.71	40.3	7.53	43.7	8.42	50.6	10.36	54.0	11.42
	30	26.4	4.93	29.9	5.67	33.3	6.47	36.7	7.33	40.3	8.23	43.7	9.20	50.6	11.34	54.0	12.51
	33	26.4	5.36	29.9	6.18	33.3	7.05	36.7	7.99	40.3	8.99	43.7	10.05	50.6	12.45	54.0	13.84
	35	26.4	5.67	29.9	6.54	33.3	7.47	36.7	8.46	40.3	9.52	43.7	10.68	50.6	13.34	54.0	14.85
	37	26.4	5.99	29.9	6.91	33.3	7.90	36.7	8.96	40.3	10.15	43.7	11.43	50.6	14.31	54.0	15.92
	40	26.4	6.50	29.9	7.54	33.3	8.68	36.7	9.90	40.3	11.22	43.7	12.65	50.6	15.86	53.3	17.14
	43	26.4	7.13	29.9	8.30	33.3	9.56	36.7	10.92	40.3	12.40	43.7	13.99	50.6	17.58	51.9	17.99
	46	26.4	7.83	29.9	9.12	33.3	10.53	36.7	12.04	40.3	13.68	43.7	15.46	49.6	18.72	50.6	18.85
35.3 (70%)	10	23.1	3.49	26.1	3.87	29.1	4.25	32.2	4.63	35.2	5.00	38.2	5.38	44.3	6.14	47.3	6.52
	15	23.1	3.49	26.1	3.87	29.1	4.25	32.2	4.63	35.2	5.00	38.2	5.38	44.3	6.14	47.3	6.52
	21	23.1	3.56	26.1	3.95	29.1	4.33	32.2	4.75	35.2	5.30	38.2	5.88	44.3	7.13	47.3	7.82
	23	23.1	3.69	26.1	4.10	29.1	4.50	32.2	5.05	35.2	5.63	38.2	6.24	44.3	7.59	47.3	8.32
	25	23.1	3.83	26.1	4.25	29.1	4.77	32.2	5.35	35.2	5.98	38.2	6.63	44.3	8.06	47.3	8.84
	27	23.1	3.97	26.1	4.47	29.1	5.06	32.2	5.69	35.2	6.34	38.2	7.04	44.3	8.57	47.3	9.39
	30	23.1	4.26	26.1	4.87	29.1	5.52	32.2	6.20	35.2	6.93	38.2	7.70	44.3	9.37	47.3	10.27
	33	23.1	4.62	26.1	5.29	29.1	6.00	32.2	6.76	35.2	7.55	38.2	8.40	44.3	10.23	47.3	11.23
	35	23.1	4.88	26.1	5.59	29.1	6.35	32.2	7.15	35.2	8.00	38.2	8.89	44.3	10.88	47.3	12.02
	37	23.1	5.16	26.1	5.91	29.1	6.71	32.2	7.56	35.2	8.46	38.2	9.43	44.3	11.64	47.3	12.86
	40	23.1	5.58	26.1	6.42	29.1	7.30	32.2	8.28	35.2	9.32	38.2	10.43	44.3	12.89	47.3	14.25
	43	23.1	6.08	26.1	7.03	29.1	8.04	32.2	9.12	35.2	10.28	38.2	11.51	44.3	14.26	47.3	15.77
	46	23.1	6.67	26.1	7.72	29.1	8.84	32.2	10.04	35.2	11.33	38.2	12.70	44.3	15.77	47.3	17.48
30.2 (60%)	10	19.8	3.08	22.3	3.40	25.0	3.73	27.5	4.05	30.2	4.37	32.7	4.70	37.9	5.34	40.5	5.67
	15	19.8	3.08	22.3	3.40	25.0	3.73	27.5	4.05	30.2	4.37	32.7	4.70	37.9	5.34	40.5	5.67
	21	19.8	3.13	22.3	3.46	25.0	3.80	27.5	4.12	30.2	4.46	32.7	4.84	37.9	5.81	40.5	6.34
	23	19.8	3.25	22.3	3.59	25.0	3.94	27.5	4.29	30.2	4.67	32.7	5.15	37.9	6.19	40.5	6.73
	25	19.8	3.37	22.3	3.73	25.0	4.09	27.5	4.48	30.2	4.96	32.7	5.47	37.9	6.56	40.5	7.16
	27	19.8	3.49	22.3	3.86	25.0	4.25	27.5	4.74	30.2	5.26	32.7	5.81	37.9	6.97	40.5	7.60
	30	19.8	3.68	22.3	4.11	25.0	4.63	27.5	5.16	30.2	5.74	32.7	6.33	37.9	7.61	40.5	8.31
	33	19.8	3.92	22.3	4.46	25.0	5.03	27.5	5.62	30.2	6.25	32.7	6.90	37.9	8.31	40.5	9.06
	35	19.8	4.14	22.3	4.72	25.0	5.31	27.5	5.94	30.2	6.61	32.7	7.30	37.9	8.80	40.5	9.60
	37	19.8	4.36	22.3	4.97	25.0	5.62	27.5	6.28	30.2	6.98	32.7	7.73	37.9	9.33	40.5	10.25
	40	19.8	4.73	22.3	5.39	25.0	6.09	27.5	6.83	30.2	7.61	32.7	8.46	37.9	10.31	40.5	11.33
	43	19.8	5.11	22.3	5.86	25.0	6.66	27.5	7.50	30.2	8.39	32.7	9.33	37.9	11.38	40.5	12.50
	46	19.8	5.60	22.3	6.43	25.0	7.30	27.5	8.24	30.2	9.22	32.7	10.27	37.9	12.56	40.5	13.82
25.2 (50%)	10	16.5	2.66	18.7	2.93	20.8	3.20	23.0	3.47	25.2	3.74	27.2	4.01	31.5	4.55	33.7	4.82
	15	16.5	2.66	18.7	2.93	20.8	3.20	23.0	3.47	25.2	3.74	27.2	4.01	31.5	4.55	33.7	4.82
	21	16.5	2.71	18.7	2.98	20.8	3.25	23.0	3.54	25.2	3.81	27.2	4.09	31.5	4.65	33.7	5.03
	23	16.5	2.81	18.7	3.10	20.8	3.38	23.0	3.66	25.1	3.95	27.2	4.24	31.5	4.94	33.7	5.34
	25	16.5	2.90	18.7	3.20	20.8	3.51	23.0	3.80	25.2	4.10	27.2	4.42	31.5	5.23	33.7	5.67
	27	16.5	3.00	18.7	3.32	20.8	3.63	23.0	3.95	25.2	4.28	27.2	4.68	31.5	5.56	33.7	6.02
	30	16.5	3.15	18.7	3.49	20.8	3.83	23.0	4.22	25.2	4.65	27.2	5.11	31.5	6.06	33.7	6.57
	33	16.5	3.32	18.7	3.69	20.8	4.12	23.0	4.58	25.2	5.06	27.2	5.55	31.5	6.61	33.7	7.16
	35	16.5	3.44	18.7	3.90	20.8	4.36	23.0	4.84	25.2	5.35	27.2	5.87	31.5	6.98	33.7	7.58
	37	16.5	3.63	18.7	4.10	20.8	4.60	23.0	5.11	25.2	5.65	27.2	6.20	31.5	7.39	33.7	8.02
	40	16.5	3.92	18.7	4.44	20.8	4.97	23.0	5.54	25.2	6.13	27.2	6.74	31.5	8.08	33.7	8.80
	43	16.5	4.23	18.7	4.80	20.8	5.40	23.0	6.03	25.2	6.69	27.2	7.40	31.5	8.90	33.7	9.70
	46	16.5	4.60	18.7	5.24	20.8	5.91	23.0	6.62	25.2	7.35	27.2	8.13	31.5	9.80	33.7	10.69

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳180LALH

● Capacity : 55.9 kW (20HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
83.9 (150%)	10	55.1	7.83	62.2	8.76	69.4	9.67	76.6	11.21	80.5	12.05	82.2	12.16	85.3	12.37	86.8	12.48
	15	55.1	7.95	62.2	9.51	69.4	11.27	76.2	13.12	77.7	13.24	79.3	13.35	82.3	13.57	83.8	13.68
	21	55.1	9.61	62.2	11.51	69.4	13.64	72.9	14.53	74.4	14.66	75.7	14.77	78.7	15.01	80.1	15.13
	23	55.1	10.22	62.2	12.25	69.4	14.52	71.7	15.00	73.2	15.13	74.6	15.25	77.4	15.49	78.9	15.62
	25	55.1	10.86	62.2	13.02	69.2	15.36	70.6	15.48	72.0	15.61	73.4	15.72	76.2	15.97	77.6	16.10
	27	55.1	11.54	62.2	13.84	68.1	15.83	69.4	15.95	70.9	16.08	72.2	16.21	74.9	16.48	76.4	16.64
	30	55.1	12.63	62.2	15.16	66.4	16.63	67.7	16.79	69.1	16.95	70.4	17.11	73.2	17.43	74.5	17.59
	33	55.1	13.83	62.2	16.84	64.7	17.58	65.9	17.73	67.3	17.89	68.6	18.05	71.4	18.38	72.7	18.54
	35	55.1	14.83	62.2	18.03	63.5	18.20	64.8	18.36	66.1	18.52	67.4	18.69	70.1	19.01	71.4	19.16
	37	55.1	15.88	61.1	18.67	62.4	18.83	63.6	19.00	64.9	19.16	66.2	19.32	68.9	19.64	70.2	19.80
	40	55.1	17.61	59.4	19.61	60.6	19.78	61.9	19.94	63.1	20.11	64.4	20.27	67.1	20.58	68.3	20.75
	43	55.1	19.51	57.6	20.55	58.9	20.72	60.1	20.89	61.4	21.05	62.6	21.22	65.1	21.53	66.4	21.69
	46	54.6	21.32	55.9	21.49	57.1	21.67	58.3	21.83	59.6	22.00	60.8	22.16	63.3	22.49	64.6	22.64
78.3 (140%)	10	51.4	7.36	58.1	8.22	64.7	9.07	71.4	10.00	78.2	11.61	80.9	12.08	84.0	12.29	85.5	12.38
	15	51.4	7.36	58.1	8.58	64.7	10.11	71.4	11.81	76.7	13.14	78.1	13.25	81.0	13.47	82.5	13.59
	21	51.4	8.73	58.1	10.38	64.7	12.23	71.4	14.29	73.2	14.56	74.7	14.69	77.5	14.91	79.0	15.04
	23	51.4	9.28	58.1	11.04	64.7	13.02	70.7	14.92	72.2	15.05	73.5	15.16	76.4	15.40	77.7	15.52
	25	51.4	9.86	58.1	11.74	64.7	13.85	69.6	15.39	71.0	15.52	72.4	15.64	75.2	15.88	76.5	16.01
	27	51.4	10.47	58.1	12.47	64.7	14.72	68.5	15.87	69.9	16.00	71.2	16.11	73.9	16.37	75.2	16.52
	30	51.4	11.44	58.1	13.65	64.7	16.18	66.8	16.69	68.1	16.84	69.4	17.00	72.2	17.32	73.5	17.47
	33	51.4	12.50	58.1	15.04	63.8	17.47	65.1	17.63	66.4	17.78	67.7	17.94	70.4	18.27	71.7	18.43
	35	51.4	13.34	58.1	16.13	62.7	18.09	63.9	18.26	65.2	18.42	66.6	18.58	69.2	18.90	70.5	19.05
	37	51.4	14.28	58.1	17.29	61.6	18.73	62.9	18.89	64.1	19.05	65.4	19.21	67.9	19.53	69.3	19.69
	40	51.4	15.81	58.1	19.18	59.9	19.67	61.1	19.84	62.4	20.00	63.6	20.16	66.1	20.49	67.4	20.64
	43	51.4	17.49	56.9	20.45	58.1	20.62	59.4	20.78	60.6	20.95	61.8	21.11	64.3	21.44	65.6	21.59
	46	51.4	19.37	55.2	21.40	56.4	21.57	57.6	21.73	58.8	21.90	60.1	22.06	62.5	22.39	63.8	22.55
72.7 (130%)	10	47.7	6.89	53.9	7.69	60.2	8.48	66.4	9.28	72.6	10.25	78.8	11.77	82.5	12.19	84.0	12.29
	15	47.7	6.89	53.9	7.71	60.2	9.03	66.4	10.49	72.6	12.10	76.8	13.16	79.7	13.38	81.2	13.49
	21	47.7	7.88	53.9	9.33	60.2	10.93	66.4	12.70	72.1	14.47	73.5	14.58	76.3	14.82	77.7	14.93
	23	47.7	8.38	53.9	9.92	60.2	11.62	66.4	13.52	71.0	14.94	72.4	15.06	75.2	15.30	76.5	15.41
	25	47.7	8.90	53.9	10.55	60.2	12.36	66.4	14.38	69.9	15.42	71.2	15.53	74.0	15.78	75.4	15.90
	27	47.7	9.45	53.9	11.19	60.2	13.14	66.4	15.29	68.7	15.89	70.1	16.02	72.7	16.27	74.1	16.38
	30	47.7	10.32	53.9	12.25	60.2	14.39	65.8	16.56	67.1	16.72	68.4	16.88	71.1	17.18	72.4	17.34
	33	47.7	11.27	53.9	13.39	60.2	15.91	64.2	17.51	65.4	17.67	66.7	17.83	69.4	18.14	70.6	18.29
	35	47.7	11.95	53.9	14.35	60.2	17.07	63.1	18.14	64.3	18.30	65.6	18.46	68.2	18.77	69.4	18.93
	37	47.7	12.79	53.9	15.37	60.2	18.30	61.9	18.78	63.2	18.94	64.4	19.09	66.9	19.41	68.2	19.57
	40	47.7	14.15	53.9	17.03	59.1	19.56	60.2	19.73	61.4	19.89	62.7	20.05	65.2	20.36	66.4	20.52
	43	47.7	15.63	53.9	18.86	57.3	20.51	58.6	20.67	59.8	20.84	60.9	21.00	63.4	21.31	64.6	21.47
	46	47.7	17.28	53.9	20.91	55.6	21.46	56.8	21.62	58.0	21.79	59.2	21.95	61.6	22.27	62.8	22.42
67.1 (120%)	10	44.0	6.42	49.7	7.15	55.5	7.88	61.2	8.62	67.0	9.36	72.7	10.29	80.8	12.08	82.3	12.18
	15	44.0	6.42	49.7	7.15	55.5	8.03	61.2	9.27	67.0	10.64	72.7	12.14	78.2	13.27	79.6	13.37
	21	44.0	7.09	49.7	8.35	55.5	9.72	61.2	11.23	67.0	12.88	72.2	14.47	74.9	14.70	76.2	14.81
	23	44.0	7.55	49.7	8.87	55.5	10.33	61.2	11.95	67.0	13.71	71.0	14.95	73.7	15.18	75.1	15.30
	25	44.0	8.00	49.7	9.43	55.5	10.99	61.2	12.70	67.0	14.59	70.0	15.42	72.7	15.66	74.0	15.78
	27	44.0	8.50	49.7	10.01	55.5	11.67	61.2	13.50	67.0	15.52	68.9	15.91	71.5	16.14	72.9	16.27
	30	44.0	9.27	49.7	10.94	55.5	12.77	61.2	14.78	65.9	16.58	67.2	16.73	69.9	17.04	71.1	17.19
	33	44.0	10.12	49.7	11.95	55.5	14.00	61.2	16.39	64.4	17.53	65.6	17.69	68.1	17.99	69.4	18.15
	35	44.0	10.72	49.7	12.72	55.5	15.01	61.2	17.59	63.2	18.17	64.4	18.33	67.0	18.63	68.2	18.78
	37	44.0	11.40	49.7	13.61	55.5	16.08	60.9	18.64	62.1	18.80	63.4	18.95	65.9	19.27	67.1	19.42
	40	44.0	12.60	49.7	15.06	55.5	17.82	59.3	19.59	60.4	19.75	61.7	19.91	64.1	20.22	65.4	20.38
	43	44.0	13.91	49.7	16.65	55.5	19.75	57.6	20.54	58.8	20.71	59.9	20.87	62.4	21.19	63.6	21.34
	46	44.0	15.35	49.7	18.42	54.8	21.34	55.9	21.51	57.1	21.67	58.3	21.82	60.6	22.14	61.8	22.30
61.5 (110%)	10	40.4	5.94	45.7	6.61	50.9	7.29	56.2	7.97	61.4	8.65	66.6	9.32	77.1	11.36	80.4	12.05
	15	40.4	5.94	45.7	6.61	50.9	7.29	56.2	8.17	61.4	9.32	66.6	10.56	76.4	13.14	77.8	13.24
	21	40.4	6.35	45.7	7.42	50.9	8.60	56.2	9.88	61.4	11.26	66.6	12.78	73.2	14.56	74.7	14.68
	23	40.4	6.75	45.7	7.89	50.9	9.14	56.2	10.50	61.4	11.98	66.6	13.61	72.2	15.05	73.5	15.16
	25	40.4	7.17	45.7	8.38	50.9	9.71	56.2	11.16	61.4	12.75	66.6	14.47	71.2	15.53	72.4	15.64
	27	40.4	7.60	45.7	8.90	50.9	10.31	56.2	11.86	61.4	13.55	66.6	15.39	70.0	16.01	71.4	16.13
	30	40.4	8.29	45.7	9.72	50.9	11.28	56.2	12.98	61.4	14.84	65.9	16.58	68.4	16.88	69.7	17.02
	33	40.4	9.03	45.7	10.60	50.9	12.31	56.2	14.24	61.4	16.45	64.3	17.53	66.7	17.83	68.0	17.99
	35	40.4	9.57	45.7	11.24	50.9	13.14	56.2	15.27	61.4	17.65	63.2	18.17	65.7	18.47	66.9	18.63
	37	40.4	10.13	45.7	11.99	50.9	14.06	56.2	16.36	60.9	18.65	62.1	18.80	64.6	19.11	65.8	19.27
	40	40.4	11.17	45.7	13.25	50.9	15.56	56.2	18.14	59.4	19.60	60.6	19.76	62.9	20.06	64.1	20.22
	43	40.4	12.32	45.7	14.63	50.9	17.22	56.2	20.11	57.7	20.56	58.9	20.72	61.2	21.03	62.4	21.19
	46	40.4	13.58	45.7	16.16	50.9	19.06	54.9	21.35	56.1	21.52	57.2	21.68	59.6	22.00	60.6	22.15

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳180LALH

● Capacity : 55.9 kW (20HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
55.9 (100%)	10	36.7	5.46	41.5	6.08	46.2	6.70	51.0	7.31	55.9	7.93	60.6	8.54	70.1	9.76	74.9	10.81
	15	36.7	5.46	41.5	6.08	46.2	6.70	51.0	7.31	55.9	8.09	60.6	9.13	70.1	11.45	74.9	12.75
	21	36.7	5.66	41.5	6.57	46.2	7.56	51.0	8.63	55.9	9.80	60.6	11.04	70.1	13.87	72.7	14.53
	23	36.7	6.01	41.5	6.98	46.2	8.04	51.0	9.18	55.9	10.41	60.6	11.75	70.1	14.76	71.7	15.00
	25	36.7	6.38	41.5	7.42	46.2	8.54	51.0	9.75	55.9	11.07	60.6	12.49	69.4	15.38	70.7	15.49
	27	36.7	6.76	41.5	7.86	46.2	9.05	51.0	10.36	55.9	11.76	60.6	13.28	68.4	15.86	69.6	15.97
	30	36.7	7.37	41.5	8.58	46.2	9.90	51.0	11.31	55.9	12.86	60.6	14.54	66.8	16.69	68.0	16.83
	33	36.7	8.03	41.5	9.36	46.2	10.80	51.0	12.36	55.9	14.12	60.6	16.10	65.2	17.64	66.4	17.80
	35	36.7	8.48	41.5	9.91	46.2	11.45	51.0	13.19	55.9	15.13	60.6	17.27	64.2	18.28	65.4	18.44
	37	36.7	8.98	41.5	10.49	46.2	12.22	51.0	14.12	55.9	16.21	60.6	18.52	63.1	18.92	64.3	19.08
	40	36.7	9.84	41.5	11.58	46.2	13.51	51.0	15.63	55.9	17.97	59.2	19.59	61.5	19.89	62.7	20.04
	43	36.7	10.83	41.5	12.78	46.2	14.93	51.0	17.29	55.9	19.92	57.6	20.54	59.9	20.85	61.1	21.00
	46	36.7	11.92	41.5	14.09	46.2	16.49	51.0	19.14	54.9	21.35	55.9	21.51	58.2	21.82	59.4	21.97
50.3 (90%)	10	33.0	4.99	37.3	5.54	41.6	6.10	45.9	6.65	50.2	7.21	54.5	7.76	63.1	8.87	67.4	9.42
	15	33.0	4.99	37.3	5.54	41.6	6.10	45.9	6.65	50.2	7.21	54.5	7.82	63.1	9.71	67.4	10.75
	21	33.0	5.09	37.3	5.77	41.6	6.60	45.9	7.49	50.2	8.44	54.5	9.47	63.1	11.75	67.4	13.02
	23	33.0	5.31	37.3	6.13	41.6	7.01	45.9	7.96	50.2	8.98	54.5	10.07	63.1	12.50	67.4	13.85
	25	33.0	5.63	37.3	6.51	41.6	7.45	45.9	8.46	50.2	9.54	54.5	10.70	63.1	13.30	67.4	14.74
	27	33.0	5.97	37.3	6.90	41.6	7.89	45.9	8.97	50.2	10.12	54.5	11.36	63.1	14.14	67.4	15.68
	30	33.0	6.50	37.3	7.52	41.6	8.62	45.9	9.80	50.2	11.07	54.5	12.44	63.1	15.48	66.1	16.61
	33	33.0	7.07	37.3	8.19	41.6	9.39	45.9	10.69	50.2	12.09	54.5	13.61	63.1	17.23	64.6	17.56
	35	33.0	7.48	37.3	8.67	41.6	9.95	45.9	11.33	50.2	12.88	54.5	14.58	62.4	18.06	63.6	18.22
	37	33.0	7.90	37.3	9.17	41.6	10.54	45.9	12.09	50.2	13.78	54.5	15.63	61.4	18.71	62.6	18.86
	40	33.0	8.60	37.3	10.06	41.6	11.64	45.9	13.37	50.2	15.26	54.5	17.31	59.9	19.68	61.1	19.82
	43	33.0	9.46	37.3	11.08	41.6	12.85	45.9	14.77	50.2	16.87	54.5	19.18	58.3	20.65	59.4	20.79
	46	33.0	10.40	37.3	12.19	41.6	14.16	45.9	16.31	50.2	18.67	54.5	21.27	56.8	21.62	57.8	21.76
44.7 (80%)	10	29.3	4.52	33.2	5.01	37.0	5.51	40.8	6.00	44.7	6.48	48.4	6.98	56.1	7.96	59.9	8.45
	15	29.3	4.52	33.2	5.01	37.0	5.51	40.8	6.00	44.7	6.48	48.4	6.98	56.1	8.15	59.9	8.97
	21	29.3	4.60	33.2	5.11	37.0	5.71	40.8	6.43	44.7	7.22	48.4	8.04	56.1	9.86	59.9	10.87
	23	29.3	4.79	33.2	5.34	37.0	6.07	40.8	6.84	44.7	7.67	48.4	8.55	56.1	10.49	59.9	11.56
	25	29.3	4.96	33.2	5.66	37.0	6.43	40.8	7.26	44.7	8.14	48.4	9.08	56.1	11.15	59.9	12.29
	27	29.3	5.22	33.2	6.00	37.0	6.82	40.8	7.70	44.7	8.64	48.4	9.65	56.1	11.85	59.9	13.06
	30	29.3	5.69	33.2	6.53	37.0	7.43	40.8	8.41	44.7	9.44	48.4	10.54	56.1	12.96	59.9	14.29
	33	29.3	6.17	33.2	7.10	37.0	8.10	40.8	9.16	44.7	10.29	48.4	11.50	56.1	14.23	59.9	15.81
	35	29.3	6.52	33.2	7.51	37.0	8.57	40.8	9.70	44.7	10.90	48.4	12.22	56.1	15.25	59.9	16.96
	37	29.3	6.88	33.2	7.94	37.0	9.06	40.8	10.27	44.7	11.62	48.4	13.07	56.1	16.35	59.9	18.18
	40	29.3	7.47	33.2	8.65	37.0	9.94	40.8	11.33	44.7	12.84	48.4	14.46	56.1	18.12	59.1	19.57
	43	29.3	8.18	33.2	9.51	37.0	10.95	40.8	12.50	44.7	14.18	48.4	15.99	56.1	20.08	57.6	20.54
	46	29.3	8.98	33.2	10.45	37.0	12.05	40.8	13.77	44.7	15.64	48.4	17.67	55.0	21.37	56.1	21.52
39.1 (70%)	10	25.7	4.05	29.0	4.48	32.3	4.91	35.7	5.34	39.0	5.76	42.4	6.20	49.1	7.06	52.4	7.49
	15	25.7	4.05	29.0	4.48	32.3	4.91	35.7	5.34	39.0	5.76	42.4	6.20	49.1	7.06	52.4	7.49
	21	25.7	4.13	29.0	4.57	32.3	5.01	35.7	5.47	39.0	6.10	42.4	6.75	49.1	8.18	52.4	8.96
	23	25.7	4.27	29.0	4.74	32.3	5.20	35.7	5.82	39.0	6.48	42.4	7.17	49.1	8.70	52.4	9.53
	25	25.7	4.43	29.0	4.91	32.3	5.50	35.7	6.16	39.0	6.87	42.4	7.62	49.1	9.24	52.4	10.12
	27	25.7	4.60	29.0	5.16	32.3	5.83	35.7	6.54	39.0	7.29	42.4	8.08	49.1	9.81	52.4	10.75
	30	25.7	4.92	29.0	5.61	32.3	6.35	35.7	7.12	39.0	7.95	42.4	8.82	49.1	10.72	52.4	11.75
	33	25.7	5.33	29.0	6.09	32.3	6.90	35.7	7.76	39.0	8.66	42.4	9.62	49.1	11.70	52.4	12.84
	35	25.7	5.62	29.0	6.44	32.3	7.29	35.7	8.20	39.0	9.17	42.4	10.19	49.1	12.45	52.4	13.74
	37	25.7	5.94	29.0	6.80	32.3	7.71	35.7	8.68	39.0	9.70	42.4	10.80	49.1	13.32	52.4	14.70
	40	25.7	6.42	29.0	7.38	32.3	8.38	35.7	9.49	39.0	10.67	42.4	11.94	49.1	14.73	52.4	16.28
	43	25.7	6.99	29.0	8.07	32.3	9.22	35.7	10.45	39.0	11.77	42.4	13.17	49.1	16.29	52.4	18.02
	46	25.7	7.66	29.0	8.85	32.3	10.13	35.7	11.50	39.0	12.96	42.4	14.52	49.1	18.02	52.4	19.97
33.5 (60%)	10	22.0	3.58	24.8	3.94	27.7	4.32	30.5	4.68	33.5	5.05	36.3	5.42	42.0	6.15	44.9	6.53
	15	22.0	3.58	24.8	3.94	27.7	4.32	30.5	4.68	33.5	5.05	36.3	5.42	42.0	6.15	44.9	6.53
	21	22.0	3.64	24.8	4.02	27.7	4.40	30.5	4.77	33.5	5.15	36.3	5.58	42.0	6.68	44.9	7.28
	23	22.0	3.77	24.8	4.16	27.7	4.56	30.5	4.95	33.5	5.39	36.3	5.93	42.0	7.11	44.9	7.73
	25	22.0	3.91	24.8	4.32	27.7	4.73	30.5	5.17	33.5	5.72	36.3	6.30	42.0	7.54	44.9	8.21
	27	22.0	4.04	24.8	4.47	27.7	4.91	30.5	5.47	33.5	6.05	36.3	6.68	42.0	8.00	44.9	8.71
	30	22.0	4.26	24.8	4.75	27.7	5.34	30.5	5.95	33.5	6.60	36.3	7.27	42.0	8.73	44.9	9.52
	33	22.0	4.54	24.8	5.15	27.7	5.80	30.5	6.47	33.5	7.18	36.3	7.92	42.0	9.52	44.9	10.38
	35	22.0	4.79	24.8	5.44	27.7	6.12	30.5	6.83	33.5	7.59	36.3	8.38	42.0	10.08	44.9	10.99
	37	22.0	5.04	24.8	5.73	27.7	6.46	30.5	7.22	33.5	8.02	36.3	8.86	42.0	10.69	44.9	11.73
	40	22.0	5.45	24.8	6.20	27.7	7.00	30.5	7.84	33.5	8.74	36.3	9.70	42.0	11.80	44.9	12.95
	43	22.0	5.89	24.8	6.75	27.7	7.65	30.5	8.60	33.5	9.62	36.3	10.69	42.0	13.02	44.9	14.30
	46	22.0	6.44	24.8	7.39	27.7	8.38	30.5	9.45	33.5	10.57	36.3	11.76	42.0	14.36	44.9	15.79
28.0 (50%)	10	18.3	3.11	20.7	3.41	23.0	3.72	25.5	4.02	27.9	4.33	30.2	4.63	35.0	5.26	37.4	5.56
	15	18.3	3.11	20.7	3.41	23.0	3.72	25.5	4.02	27.9	4.33	30.2	4.63	35.0	5.26	37.4	5.56
	21	18.3	3.16	20.7	3.47	23.0	3.78	25.5	4.10	27.9	4.41	30.2	4.73	35.0	5.36	37.4	5.79
	23	18.3	3.27	20.7	3.60	23.0	3.92	25.5	4.25	27.9	4.58	30.2	4.90	35.0	5.69	37.4	6.15
	25	18.3	3.38	20.7	3.72	23.0	4.07	25.5	4.41	27.9	4.74	30.2	5.11	35.0	6.03	37.4	6.52
	27	18.3	3.49	20.7	3.85	23.0	4.21	25.5	4.57	27.9	4.94	30.2	5.40	35.0	6.40	37.4	6.92
	30	18.3	3.67	20.7	4.05	23.0	4.43	25.5	4.87	27.9	5.37	30.2	5.88	35.0	6.96	37.4	7.54
	33	18.3	3.86	20.7	4.27	23.0	4.77	25.5	5.29	27.9	5.83	30.2	6.39	35.0	7.59	37.4	8.22
	35	18.3	3.99	20.7	4.51	23.0	5.03	25.5	5.58	27.9	6.16	30.2	6.75	35.0	8.02	37.4	8.70
	37	18.3	4.21	20.7	4.74	23.0	5.31	25.5	5.89	27.9	6.50	30.2	7.13	35.0	8.48	37.4	9.20
	40	18.3	4.54	20.7	5.12	23.0	5.73	25.5	6.38	27.9	7.04	30.2	7.74	35.0	9.26	37.4	10.09
	43	18.3	4.89	20.7	5.53	23.0	6.22	25.5	6.94	27.9	7.69	30.2	8.49	35.0	10.20	37.4	11.11
	46	18.3	5.31	20.7	6.03	23.0	6.80	25.5	7.60	27.9	8.44	30.2	9.32	35.0	11.22	37.4	12.23

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳198LALH

● Capacity : 61.5 kW (22HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
92.3 (150%)	10	60.6	8.93	68.5	9.99	76.4	11.05	84.3	12.79	88.7	13.77	90.5	13.90	93.9	14.14	95.6	14.26
	15	60.6	9.04	68.5	10.84	76.4	12.86	83.9	15.02	85.6	15.14	87.3	15.27	90.6	15.53	92.3	15.65
	21	60.6	10.96	68.5	13.15	76.4	15.60	80.2	16.65	81.8	16.79	83.4	16.92	86.6	17.19	88.1	17.33
	23	60.6	11.67	68.5	14.00	76.4	16.63	78.9	17.19	80.6	17.34	82.1	17.48	85.2	17.75	86.8	17.90
	25	60.6	12.41	68.5	14.89	76.2	17.61	77.7	17.75	79.3	17.89	80.8	18.03	83.9	18.31	85.4	18.46
	27	60.6	13.19	68.5	15.85	74.9	18.15	76.4	18.30	78.0	18.44	79.5	18.59	82.4	18.90	84.0	19.08
	30	60.6	14.45	68.5	17.37	73.0	19.07	74.5	19.26	76.0	19.45	77.5	19.63	80.5	20.00	82.0	20.18
	33	60.6	15.85	68.5	19.32	71.2	20.17	72.5	20.36	74.0	20.54	75.5	20.72	78.5	21.10	80.0	21.28
	35	60.6	17.00	68.5	20.70	69.9	20.90	71.3	21.08	72.7	21.27	74.2	21.46	77.1	21.82	78.6	22.01
	37	60.6	18.22	67.2	21.44	68.6	21.62	70.0	21.82	71.4	22.00	72.9	22.19	75.8	22.56	77.3	22.74
	40	60.6	20.22	65.3	22.53	66.7	22.72	68.1	22.91	69.4	23.10	70.9	23.29	73.8	23.65	75.1	23.85
	43	60.6	22.43	63.4	23.63	64.8	23.81	66.1	24.01	67.5	24.19	68.9	24.39	71.6	24.76	73.1	24.94
	46	60.1	24.52	61.5	24.72	62.8	24.91	64.1	25.10	65.5	25.30	66.8	25.48	69.6	25.86	71.0	26.04
86.1 (140%)	10	56.5	8.38	63.9	9.38	71.2	10.36	78.6	11.40	86.0	13.25	89.0	13.81	92.5	14.04	94.1	14.15
	15	56.5	8.38	63.9	9.77	71.2	11.53	78.6	13.48	84.4	15.04	85.9	15.17	89.2	15.42	90.9	15.55
	21	56.5	9.94	63.9	11.85	71.2	13.99	78.6	16.36	80.6	16.69	82.2	16.83	85.4	17.09	87.0	17.23
	23	56.5	10.58	63.9	12.61	71.2	14.89	77.8	17.10	79.4	17.24	80.9	17.37	84.1	17.65	85.6	17.79
	25	56.5	11.25	63.9	13.42	71.2	15.85	76.6	17.65	78.2	17.79	79.7	17.93	82.7	18.21	84.2	18.35
	27	56.5	11.95	63.9	14.27	71.2	16.86	75.4	18.20	76.9	18.34	78.4	18.48	81.3	18.77	82.8	18.95
	30	56.5	13.08	63.9	15.63	71.2	18.55	73.5	19.14	74.9	19.32	76.4	19.50	79.4	19.87	80.9	20.05
	33	56.5	14.31	63.9	17.24	70.2	20.05	71.6	20.23	73.1	20.41	74.5	20.60	77.5	20.97	78.9	21.15
	35	56.5	15.28	63.9	18.51	69.0	20.78	70.3	20.97	71.8	21.15	73.2	21.33	76.2	21.70	77.6	21.88
	37	56.5	16.37	63.9	19.85	67.7	21.51	69.2	21.70	70.5	21.88	72.0	22.06	74.7	22.44	76.2	22.62
	40	56.5	18.14	63.9	22.05	65.9	22.60	67.2	22.80	68.6	22.98	70.0	23.16	72.7	23.54	74.2	23.72
	43	56.5	20.10	62.6	23.51	63.9	23.70	65.3	23.89	66.6	24.08	68.0	24.27	70.7	24.64	72.1	24.82
	46	56.5	22.28	60.7	24.61	62.0	24.80	63.3	24.99	64.7	25.19	66.1	25.37	68.7	25.75	70.1	25.93
80.0 (130%)	10	52.5	7.84	59.3	8.76	66.2	9.67	73.0	10.60	79.9	11.69	86.7	13.43	90.8	13.93	92.5	14.04
	15	52.5	7.84	59.3	8.77	66.2	10.29	73.0	11.96	79.9	13.83	84.6	15.06	87.7	15.31	89.4	15.43
	21	52.5	8.97	59.3	10.64	66.2	12.48	73.0	14.53	79.3	16.58	80.9	16.70	84.0	16.97	85.5	17.10
	23	52.5	9.55	59.3	11.32	66.2	13.28	73.0	15.47	78.2	17.12	79.7	17.26	82.7	17.53	84.2	17.66
	25	52.5	10.15	59.3	12.04	66.2	14.13	73.0	16.47	76.9	17.68	78.4	17.81	81.5	18.09	82.9	18.22
	27	52.5	10.78	59.3	12.79	66.2	15.04	73.0	17.52	75.7	18.22	77.1	18.37	80.1	18.65	81.5	18.79
	30	52.5	11.79	59.3	14.02	66.2	16.48	72.4	19.00	73.8	19.18	75.3	19.36	78.2	19.71	79.7	19.89
	33	52.5	12.89	59.3	15.34	66.2	18.25	70.6	20.10	72.0	20.28	73.4	20.46	76.3	20.82	77.7	20.99
	35	52.5	13.68	59.3	16.45	66.2	19.59	69.4	20.83	70.7	21.01	72.2	21.19	75.0	21.55	76.4	21.73
	37	52.5	14.65	59.3	17.64	66.2	21.02	68.1	21.57	69.5	21.75	70.9	21.93	73.6	22.29	75.1	22.47
	40	52.5	16.22	59.3	19.56	65.0	22.47	66.3	22.67	67.6	22.85	69.0	23.03	71.8	23.40	73.1	23.58
	43	52.5	17.94	59.3	21.69	63.0	23.58	64.4	23.76	65.7	23.95	67.0	24.14	69.8	24.50	71.1	24.68
	46	52.5	19.86	59.3	24.07	61.2	24.68	62.4	24.86	63.7	25.06	65.1	25.24	67.8	25.61	69.1	25.79
73.8 (120%)	10	48.5	7.29	54.7	8.13	61.1	8.99	67.4	9.84	73.8	10.69	80.0	11.72	89.0	13.80	90.7	13.92
	15	48.5	7.29	54.7	8.13	61.1	9.14	67.4	10.57	73.8	12.14	80.0	13.87	86.1	15.18	87.6	15.29
	21	48.5	8.06	54.7	9.51	61.1	11.09	67.4	12.83	73.8	14.73	79.4	16.58	82.4	16.84	83.9	16.97
	23	48.5	8.58	54.7	10.11	61.1	11.80	67.4	13.66	73.8	15.69	78.2	17.13	81.2	17.39	82.6	17.53
	25	48.5	9.11	54.7	10.76	61.1	12.55	67.4	14.53	73.8	16.71	77.1	17.68	80.0	17.95	81.5	18.09
	27	48.5	9.69	54.7	11.43	61.1	13.35	67.4	15.45	73.8	17.79	75.8	18.24	78.7	18.51	80.2	18.65
	30	48.5	10.58	54.7	12.50	61.1	14.62	67.4	16.94	72.5	19.02	74.0	19.20	76.9	19.55	78.2	19.72
	33	48.5	11.56	54.7	13.67	61.1	16.05	67.4	18.80	70.8	20.12	72.2	20.30	74.9	20.65	76.4	20.83
	35	48.5	12.26	54.7	14.56	61.1	17.21	67.4	20.19	69.6	20.86	70.9	21.04	73.8	21.39	75.1	21.57
	37	48.5	13.04	54.7	15.59	61.1	18.45	67.0	21.41	68.3	21.59	69.7	21.77	72.5	22.13	73.8	22.31
	40	48.5	14.43	54.7	17.28	61.1	20.48	65.2	22.51	66.5	22.69	67.9	22.88	70.5	23.24	71.9	23.42
	43	48.5	15.95	54.7	19.12	61.1	22.72	63.3	23.62	64.6	23.81	65.9	23.99	68.6	24.35	69.9	24.53
	46	48.5	17.62	54.7	21.18	60.2	24.54	61.5	24.73	62.8	24.91	64.1	25.10	66.7	25.46	68.0	25.64
67.7 (110%)	10	44.4	6.74	50.3	7.52	56.0	8.30	61.8	9.09	67.6	9.87	73.3	10.64	84.8	12.96	88.5	13.77
	15	44.4	6.74	50.3	7.52	56.0	8.30	61.8	9.29	67.6	10.62	73.3	12.05	84.1	15.03	85.7	15.15
	21	44.4	7.21	50.3	8.44	56.0	9.80	61.8	11.27	67.6	12.87	73.3	14.62	80.6	16.69	82.2	16.81
	23	44.4	7.67	50.3	8.99	56.0	10.42	61.8	11.99	67.6	13.70	73.3	15.58	79.5	17.24	80.9	17.37
	25	44.4	8.15	50.3	9.55	56.0	11.09	61.8	12.76	67.6	14.58	73.3	16.58	78.3	17.80	79.7	17.93
	27	44.4	8.65	50.3	10.15	56.0	11.78	61.8	13.57	67.6	15.51	73.3	17.64	77.1	18.36	78.5	18.49
	30	44.4	9.45	50.3	11.10	56.0	12.89	61.8	14.85	67.6	17.01	72.5	19.02	75.3	19.36	76.7	19.53
	33	44.4	10.31	50.3	12.12	56.0	14.09	61.8	16.32	67.6	18.87	70.7	20.12	73.4	20.47	74.9	20.64
	35	44.4	10.92	50.3	12.86	56.0	15.05	61.8	17.51	67.6	20.27	69.6	20.86	72.3	21.21	73.6	21.39
	37	44.4	11.57	50.3	13.72	56.0	16.12	61.8	18.78	67.0	21.42	68.3	21.59	71.0	21.95	72.4	22.13
	40	44.4	12.78	50.3	15.18	56.0	17.86	61.8	20.84	65.3	22.53	66.6	22.71	69.2	23.06	70.5	23.24
	43	44.4	14.11	50.3	16.79	56.0	19.79	61.8	23.14	63.5	23.63	64.8	23.81	67.4	24.17	68.6	24.35
	46	44.4	15.57	50.3	18.56	56.0	21.92	60.4	24.56	61.7	24.75	62.9	24.93	65.5	25.29	66.7	25.47

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳198LALH

● Capacity : 61.5 kW (22HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
61.5 (100%)	10	40.4	6.19	45.7	6.90	50.9	7.62	56.2	8.33	61.5	9.03	66.6	9.74	77.1	11.16	82.4	12.32
	15	40.4	6.19	45.7	6.90	50.9	7.62	56.2	8.33	61.5	9.21	66.6	10.40	77.1	13.07	82.4	14.57
	21	40.4	6.41	45.7	7.46	50.9	8.60	56.2	9.84	61.5	11.18	66.6	12.61	77.1	15.87	80.1	16.64
	23	40.4	6.81	45.7	7.93	50.9	9.15	56.2	10.47	61.5	11.89	66.6	13.43	77.1	16.90	78.9	17.19
	25	40.4	7.24	45.7	8.44	50.9	9.73	56.2	11.13	61.5	12.65	66.6	14.29	76.4	17.63	77.8	17.75
	27	40.4	7.68	45.7	8.95	50.9	10.33	56.2	11.83	61.5	13.44	66.6	15.20	75.2	18.18	76.6	18.31
	30	40.4	8.38	45.7	9.78	50.9	11.30	56.2	12.94	61.5	14.73	66.6	16.66	73.5	19.14	74.9	19.31
	33	40.4	9.14	45.7	10.68	50.9	12.35	56.2	14.15	61.5	16.17	66.6	18.47	71.8	20.25	73.1	20.43
	35	40.4	9.67	45.7	11.32	50.9	13.09	56.2	15.11	61.5	17.35	66.6	19.83	70.6	20.99	71.9	21.17
	37	40.4	10.25	45.7	11.99	50.9	13.99	56.2	16.19	61.5	18.60	66.6	21.27	69.4	21.73	70.7	21.91
	40	40.4	11.24	45.7	13.26	50.9	15.48	56.2	17.94	61.5	20.64	65.1	22.51	67.7	22.85	69.0	23.03
	43	40.4	12.39	45.7	14.65	50.9	17.13	56.2	19.86	61.5	22.92	63.3	23.61	65.9	23.97	67.2	24.14
	46	40.4	13.65	45.7	16.17	50.9	18.94	56.2	22.01	60.4	24.55	61.5	24.73	64.1	25.09	65.3	25.26
55.4 (90%)	10	36.3	5.65	41.1	6.29	45.7	6.93	50.5	7.57	55.3	8.20	60.0	8.84	69.4	10.12	74.2	10.76
	15	36.3	5.65	41.1	6.29	45.7	6.93	50.5	7.57	55.3	8.20	60.0	8.90	69.4	11.07	74.2	12.27
	21	36.3	5.76	41.1	6.54	45.7	7.50	50.5	8.52	55.3	9.62	60.0	10.80	69.4	13.43	74.2	14.89
	23	36.3	6.01	41.1	6.96	45.7	7.97	50.5	9.06	55.3	10.24	60.0	11.49	69.4	14.30	74.2	15.86
	25	36.3	6.38	41.1	7.39	45.7	8.47	50.5	9.64	55.3	10.89	60.0	12.23	69.4	15.22	74.2	16.88
	27	36.3	6.77	41.1	7.84	45.7	8.99	50.5	10.23	55.3	11.56	60.0	12.99	69.4	16.19	74.2	17.97
	30	36.3	7.39	41.1	8.56	45.7	9.83	50.5	11.19	55.3	12.66	60.0	14.23	69.4	17.75	72.7	19.05
	33	36.3	8.04	41.1	9.33	45.7	10.72	50.5	12.22	55.3	13.84	60.0	15.59	69.4	19.77	71.1	20.16
	35	36.3	8.51	41.1	9.89	45.7	11.37	50.5	12.96	55.3	14.74	60.0	16.72	68.7	20.74	70.0	20.91
	37	36.3	9.00	41.1	10.47	45.7	12.05	50.5	13.84	55.3	15.79	60.0	17.93	67.6	21.49	68.8	21.66
	40	36.3	9.81	41.1	11.50	45.7	13.33	50.5	15.32	55.3	17.51	60.0	19.88	65.9	22.61	67.2	22.78
	43	36.3	10.81	41.1	12.68	45.7	14.72	50.5	16.95	55.3	19.38	60.0	22.05	64.1	23.74	65.4	23.90
	46	36.3	11.89	41.1	13.96	45.7	16.24	50.5	18.73	55.3	21.47	60.0	24.49	62.4	24.86	63.6	25.03
49.2 (80%)	10	32.3	5.11	36.5	5.67	40.7	6.24	44.9	6.81	49.2	7.37	53.3	7.95	61.7	9.07	65.9	9.64
	15	32.3	5.11	36.5	5.67	40.7	6.24	44.9	6.81	49.2	7.37	53.3	7.95	61.7	9.28	65.9	10.22
	21	32.3	5.20	36.5	5.78	40.7	6.47	44.9	7.30	49.2	8.20	53.3	9.15	61.7	11.25	65.9	12.41
	23	32.3	5.41	36.5	6.05	40.7	6.88	44.9	7.77	49.2	8.73	53.3	9.74	61.7	11.98	65.9	13.21
	25	32.3	5.61	36.5	6.41	40.7	7.30	44.9	8.26	49.2	9.27	53.3	10.36	61.7	12.74	65.9	14.06
	27	32.3	5.91	36.5	6.81	40.7	7.75	44.9	8.77	49.2	9.85	53.3	11.01	61.7	13.55	65.9	14.94
	30	32.3	6.44	36.5	7.42	40.7	8.46	44.9	9.58	49.2	10.77	53.3	12.04	61.7	14.84	65.9	16.38
	33	32.3	7.01	36.5	8.08	40.7	9.23	44.9	10.45	49.2	11.76	53.3	13.15	61.7	16.30	65.9	18.13
	35	32.3	7.41	36.5	8.55	40.7	9.78	44.9	11.08	49.2	12.46	53.3	13.98	61.7	17.49	65.9	19.47
	37	32.3	7.83	36.5	9.05	40.7	10.34	44.9	11.73	49.2	13.29	53.3	14.98	61.7	18.76	65.9	20.88
	40	32.3	8.51	36.5	9.87	40.7	11.36	44.9	12.97	49.2	14.70	53.3	16.59	61.7	20.82	65.0	22.49
	43	32.3	9.33	36.5	10.87	40.7	12.53	44.9	14.32	49.2	16.26	53.3	18.36	61.7	23.10	63.3	23.61
	46	32.3	10.25	36.5	11.95	40.7	13.80	44.9	15.79	49.2	17.96	53.3	20.31	60.4	24.57	61.7	24.75
43.1 (70%)	10	28.2	4.56	31.9	5.05	35.6	5.56	39.3	6.05	43.0	6.54	46.6	7.04	54.0	8.04	57.7	8.53
	15	28.2	4.56	31.9	5.05	35.6	5.56	39.3	6.05	43.0	6.54	46.6	7.04	54.0	8.04	57.7	8.53
	21	28.2	4.65	31.9	5.16	35.6	5.66	39.3	6.20	43.0	6.92	46.6	7.67	54.0	9.31	57.7	10.22
	23	28.2	4.82	31.9	5.36	35.6	5.88	39.3	6.59	43.0	7.35	46.6	8.15	54.0	9.91	57.7	10.87
	25	28.2	5.00	31.9	5.56	35.6	6.23	39.3	6.99	43.0	7.81	46.6	8.67	54.0	10.54	57.7	11.56
	27	28.2	5.19	31.9	5.83	35.6	6.61	39.3	7.43	43.0	8.29	46.6	9.20	54.0	11.20	57.7	12.28
	30	28.2	5.56	31.9	6.36	35.6	7.21	39.3	8.10	43.0	9.06	46.6	10.06	54.0	12.25	57.7	13.44
	33	28.2	6.03	31.9	6.92	35.6	7.84	39.3	8.84	43.0	9.87	46.6	10.98	54.0	13.39	57.7	14.71
	35	28.2	6.38	31.9	7.31	35.6	8.30	39.3	9.35	43.0	10.47	46.6	11.64	54.0	14.25	57.7	15.74
	37	28.2	6.74	31.9	7.73	35.6	8.78	39.3	9.90	43.0	11.08	46.6	12.35	54.0	15.26	57.7	16.86
	40	28.2	7.30	31.9	8.40	35.6	9.56	39.3	10.83	43.0	12.21	46.6	13.67	54.0	16.90	57.7	18.69
	43	28.2	7.95	31.9	9.20	35.6	10.52	39.3	11.95	43.0	13.47	46.6	15.10	54.0	18.71	57.7	20.71
	46	28.2	8.73	31.9	10.11	35.6	11.59	39.3	13.16	43.0	14.85	46.6	16.66	54.0	20.71	57.7	22.97
36.9 (60%)	10	24.2	4.02	27.3	4.44	30.5	4.87	33.6	5.29	36.9	5.72	40.0	6.14	46.3	6.99	49.4	7.42
	15	24.2	4.02	27.3	4.44	30.5	4.87	33.6	5.29	36.9	5.72	40.0	6.14	46.3	6.99	49.4	7.42
	21	24.2	4.09	27.3	4.52	30.5	4.96	33.6	5.39	36.9	5.83	40.0	6.32	46.3	7.59	49.4	8.28
	23	24.2	4.24	27.3	4.69	30.5	5.14	33.6	5.60	36.9	6.10	40.0	6.72	46.3	8.08	49.4	8.80
	25	24.2	4.40	27.3	4.87	30.5	5.34	33.6	5.85	36.9	6.48	40.0	7.15	46.3	8.58	49.4	9.35
	27	24.2	4.55	27.3	5.05	30.5	5.54	33.6	6.19	36.9	6.87	40.0	7.59	46.3	9.11	49.4	9.93
	30	24.2	4.80	27.3	5.36	30.5	6.05	33.6	6.75	36.9	7.50	40.0	8.28	46.3	9.96	49.4	10.87
	33	24.2	5.12	27.3	5.83	30.5	6.57	33.6	7.35	36.9	8.17	40.0	9.02	46.3	10.87	49.4	11.86
	35	24.2	5.41	27.3	6.16	30.5	6.95	33.6	7.77	36.9	8.64	40.0	9.56	46.3	11.52	49.4	12.57
	37	24.2	5.70	27.3	6.50	30.5	7.34	33.6	8.22	36.9	9.14	40.0	10.11	46.3	12.22	49.4	13.42
	40	24.2	6.18	27.3	7.05	30.5	7.97	33.6	8.93	36.9	9.97	40.0	11.08	46.3	13.51	49.4	14.84
	43	24.2	6.68	27.3	7.67	30.5	8.71	33.6	9.82	36.9	10.99	40.0	12.22	46.3	14.92	49.4	16.40
	46	24.2	7.32	27.3	8.42	30.5	9.56	33.6	10.79	36.9	12.09	40.0	13.47	46.3	16.48	49.4	18.13
30.8 (50%)	10	20.2	3.47	22.8	3.82	25.4	4.18	28.1	4.53	30.7	4.89	33.2	5.24	38.5	5.95	41.1	6.30
	15	20.2	3.47	22.8	3.82	25.4	4.18	28.1	4.53	30.7	4.89	33.2	5.24	38.5	5.95	41.1	6.30
	21	20.2	3.53	22.8	3.89	25.4	4.25	28.1	4.62	30.7	4.98	33.2	5.34	38.5	6.07	41.1	6.56
	23	20.2	3.66	22.8	4.04	25.4	4.42	28.1	4.79	30.6	5.17	33.2	5.54	38.5	6.45	41.1	6.97
	25	20.2	3.78	22.8	4.18	25.4	4.58	28.1	4.97	30.7	5.36	33.2	5.77	38.5	6.84	41.1	7.41
	27	20.2	3.91	22.8	4.33	25.4	4.74	28.1	5.16	30.7	5.58	33.2	6.12	38.5	7.26	41.1	7.86
	30	20.2	4.12	22.8	4.56	25.4	5.00	28.1	5.51	30.7	6.08	33.2	6.67	38.5	7.92	41.1	8.59
	33	20.2	4.34	22.8	4.82	25.4	5.39	28.1	5.99	30.7	6.61	33.2	7.26	38.5	8.64	41.1	9.36
	35	20.2	4.49	22.8	5.09	25.4	5.69	28.1	6.32	30.7	6.99	33.2	7.68	38.5	9.14	41.1	9.92
	37	20.2	4.74	22.8	5.36	25.4	6.01	28.1	6.68	30.7	7.39	33.2	8.11	38.5	9.67	41.1	10.50
	40	20.2	5.12	22.8	5.80	25.4	6.50	28.1	7.24	30.7	8.01	33.2	8.82	38.5	10.58	41.1	11.53
	43	20.2	5.52	22.8	6.27	25.4	7.06	28.1	7.89	30.7	8.76	33.2	9.69	38.5	11.66	41.1	12.71
	46	20.2	6.01	22.8	6.85	25.4	7.73	28.1	8.66	30.7	9.63	33.2	10.65	38.5	12.84	41.1	14.02

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ*216LALH

● Capacity : 67.0 kW (24HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100.5 (150%)	10	66.0	9.94	74.6	11.12	83.2	12.28	91.8	14.20	96.6	15.28	98.6	15.42	102.4	15.68	104.2	15.82
	15	66.0	10.06	74.6	12.04	83.2	14.28	91.4	16.66	93.2	16.80	95.2	16.94	98.8	17.22	100.6	17.36
	21	66.0	12.18	74.6	14.60	83.2	17.30	87.4	18.46	89.2	18.62	90.8	18.76	94.4	19.06	96.0	19.22
	23	66.0	12.96	74.6	15.54	83.2	18.44	86.0	19.06	87.8	19.22	89.4	19.38	92.8	19.68	94.6	19.84
	25	66.0	13.78	74.6	16.52	83.0	19.52	84.6	19.68	86.4	19.84	88.0	19.98	91.4	20.30	93.0	20.46
	27	66.0	14.64	74.6	17.58	81.6	20.12	83.2	20.28	85.0	20.44	86.6	20.60	89.8	20.94	91.6	21.14
	30	66.0	16.04	74.6	19.26	79.6	21.14	81.2	21.34	82.8	21.56	84.4	21.76	87.8	22.16	89.4	22.36
	33	66.0	17.58	74.6	21.42	77.6	22.36	79.0	22.56	80.6	22.76	82.2	22.96	85.6	23.38	87.2	23.58
	35	66.0	18.86	74.6	22.94	76.2	23.16	77.6	23.36	79.2	23.56	80.8	23.78	84.0	24.18	85.6	24.38
	37	66.0	20.20	73.2	23.76	74.8	23.96	76.2	24.18	77.8	24.38	79.4	24.58	82.6	25.00	84.2	25.20
	40	66.0	22.42	71.2	24.96	72.6	25.18	74.2	25.38	75.6	25.60	77.2	25.80	80.4	26.20	81.8	26.42
	43	66.0	24.86	69.0	26.18	70.6	26.38	72.0	26.60	73.6	26.80	75.0	27.02	78.0	27.42	79.6	27.62
	46	65.4	27.16	67.0	27.38	68.4	27.60	69.8	27.80	71.4	28.02	72.8	28.22	75.8	28.64	77.4	28.84
93.8 (140%)	10	61.6	9.34	69.6	10.44	77.6	11.52	85.6	12.66	93.8	14.70	97.0	15.32	100.8	15.58	102.6	15.70
	15	61.6	9.34	69.6	10.86	77.6	12.80	85.6	14.96	92.0	16.68	93.6	16.82	97.2	17.10	99.0	17.24
	21	61.6	11.06	69.6	13.16	77.6	15.52	85.6	18.14	87.8	18.50	89.6	18.66	93.0	18.94	94.8	19.10
	23	61.6	11.76	69.6	14.00	77.6	16.52	84.8	18.96	86.6	19.12	88.2	19.26	91.6	19.56	93.2	19.72
	25	61.6	12.50	69.6	14.90	77.6	17.58	83.4	19.56	85.2	19.72	86.8	19.88	90.2	20.18	91.8	20.34
	27	61.6	13.28	69.6	15.84	77.6	18.70	82.2	20.18	83.8	20.34	85.4	20.48	88.6	20.80	90.2	21.00
	30	61.6	14.52	69.6	17.34	77.6	20.56	80.0	21.22	81.6	21.42	83.2	21.62	86.6	22.02	88.2	22.22
	33	61.6	15.88	69.6	19.12	76.4	22.22	78.0	22.42	79.6	22.62	81.2	22.82	84.4	23.24	86.0	23.44
	35	61.6	16.96	69.6	20.52	75.2	23.02	76.6	23.24	78.2	23.44	79.8	23.64	83.0	24.04	84.6	24.24
	37	61.6	18.16	69.6	22.00	73.8	23.84	75.4	24.04	76.8	24.24	78.4	24.44	81.4	24.86	83.0	25.06
	40	61.6	20.12	69.6	24.44	71.8	25.04	73.2	25.26	74.8	25.46	76.2	25.66	79.2	26.08	80.8	26.28
	43	61.6	22.28	68.2	26.04	69.6	26.26	71.2	26.46	72.6	26.68	74.0	26.88	77.0	27.30	78.6	27.50
	46	61.6	24.70	66.2	27.26	67.6	27.48	69.0	27.68	70.4	27.90	72.0	28.10	74.8	28.52	76.4	28.72
87.1 (130%)	10	57.2	8.74	64.6	9.76	72.2	10.76	79.6	11.78	87.0	12.98	94.4	14.90	99.0	15.46	100.8	15.58
	15	57.2	8.74	64.6	9.76	72.2	11.44	79.6	13.28	87.0	15.34	92.2	16.70	95.6	16.98	97.4	17.12
	21	57.2	9.98	64.6	11.82	72.2	13.86	79.6	16.12	86.4	18.38	88.2	18.52	91.6	18.82	93.2	18.96
	23	57.2	10.62	64.6	12.58	72.2	14.74	79.6	17.16	85.2	18.98	86.8	19.14	90.2	19.44	91.8	19.58
	25	57.2	11.28	64.6	13.38	72.2	15.68	79.6	18.26	83.8	19.60	85.4	19.74	88.8	20.06	90.4	20.20
	27	57.2	11.98	64.6	14.20	72.2	16.68	79.6	19.42	82.4	20.20	84.0	20.36	87.2	20.68	88.8	20.82
	30	57.2	13.10	64.6	15.56	72.2	18.28	78.8	21.06	80.4	21.26	82.0	21.46	85.2	21.84	86.8	22.04
	33	57.2	14.32	64.6	17.02	72.2	20.24	77.0	22.28	78.4	22.48	80.0	22.68	83.2	23.08	84.6	23.26
	35	57.2	15.18	64.6	18.24	72.2	21.72	75.6	23.08	77.0	23.28	78.6	23.48	81.8	23.88	83.2	24.08
	37	57.2	16.26	64.6	19.56	72.2	23.30	74.2	23.90	75.8	24.10	77.2	24.30	80.2	24.70	81.8	24.90
	40	57.2	18.00	64.6	21.68	70.8	24.90	72.2	25.12	73.6	25.32	75.2	25.52	78.2	25.92	79.6	26.12
	43	57.2	19.90	64.6	24.04	68.6	26.12	70.2	26.32	71.6	26.54	73.0	26.74	76.0	27.14	77.4	27.34
	46	57.2	22.02	64.6	26.68	66.6	27.34	68.0	27.54	69.4	27.76	71.0	27.96	73.8	28.36	75.2	28.56
80.4 (120%)	10	52.8	8.14	59.6	9.06	66.6	10.00	73.4	10.94	80.4	11.88	87.2	13.02	97.0	15.32	98.8	15.44
	15	52.8	8.14	59.6	9.06	66.6	10.16	73.4	11.74	80.4	13.48	87.2	15.38	93.8	16.84	95.4	16.96
	21	52.8	8.98	59.6	10.58	66.6	12.32	73.4	14.24	80.4	16.34	86.6	18.38	89.8	18.68	91.4	18.82
	23	52.8	9.56	59.6	11.24	66.6	13.10	73.4	15.16	80.4	17.40	85.2	19.00	88.4	19.28	90.0	19.44
	25	52.8	10.14	59.6	11.96	66.6	13.94	73.4	16.12	80.4	18.52	84.0	19.60	87.2	19.90	88.8	20.06
	27	52.8	10.78	59.6	12.70	66.6	14.82	73.4	17.14	80.4	19.72	82.6	20.22	85.8	20.52	87.4	20.68
	30	52.8	11.76	59.6	13.88	66.6	16.22	73.4	18.78	79.0	21.08	80.6	21.28	83.8	21.66	85.2	21.86
	33	52.8	12.84	59.6	15.18	66.6	17.80	73.4	20.84	77.2	22.30	78.6	22.50	81.6	22.88	83.2	23.08
	35	52.8	13.62	59.6	16.16	66.6	19.08	73.4	22.38	75.8	23.12	77.2	23.32	80.4	23.70	81.8	23.90
	37	52.8	14.48	59.6	17.30	66.6	20.46	73.0	23.72	74.4	23.92	76.0	24.12	79.0	24.52	80.4	24.72
	40	52.8	16.02	59.6	19.16	66.6	22.70	71.0	24.94	72.4	25.14	74.0	25.34	76.8	25.74	78.4	25.94
	43	52.8	17.70	59.6	21.20	66.6	25.18	69.0	26.16	70.4	26.38	71.8	26.58	74.8	26.98	76.2	27.18
	46	52.8	19.54	59.6	23.48	65.6	27.18	67.0	27.40	68.4	27.60	69.8	27.80	72.6	28.20	74.0	28.40
73.7 (110%)	10	48.4	7.52	54.8	8.38	61.0	9.24	67.4	10.12	73.6	10.98	79.8	11.84	92.4	14.38	96.4	15.28
	15	48.4	7.52	54.8	8.38	61.0	9.24	67.4	10.34	73.6	11.80	79.8	13.38	91.6	16.68	93.4	16.80
	21	48.4	8.04	54.8	9.40	61.0	10.90	67.4	12.52	73.6	14.28	79.8	16.22	87.8	18.50	89.6	18.64
	23	48.4	8.54	54.8	10.00	61.0	11.58	67.4	13.32	73.6	15.20	79.8	17.28	86.6	19.12	88.2	19.26
	25	48.4	9.08	54.8	10.62	61.0	12.32	67.4	14.16	73.6	16.18	79.8	18.38	85.4	19.74	86.8	19.88
	27	48.4	9.64	54.8	11.28	61.0	13.08	67.4	15.06	73.6	17.20	79.8	19.56	84.0	20.36	85.6	20.50
	30	48.4	10.52	54.8	12.34	61.0	14.32	67.4	16.48	73.6	18.86	79.0	21.08	82.0	21.46	83.6	21.64
	33	48.4	11.46	54.8	13.46	61.0	15.64	67.4	18.10	73.6	20.92	77.0	22.30	80.0	22.68	81.6	22.88
	35	48.4	12.14	54.8	14.28	61.0	16.70	67.4	19.42	73.6	22.46	75.8	23.12	78.8	23.50	80.2	23.70
	37	48.4	12.86	54.8	15.24	61.0	17.88	67.4	20.82	73.0	23.74	74.4	23.92	77.4	24.32	78.8	24.52
	40	48.4	14.20	54.8	16.84	61.0	19.80	67.4	23.10	71.2	24.96	72.6	25.16	75.4	25.54	76.8	25.74
	43	48.4	15.66	54.8	18.62	61.0	21.94	67.4	25.64	69.2	26.18	70.6	26.38	73.4	26.78	74.8	26.98
	46	48.4	17.28	54.8	20.58	61.0	24.30	65.8	27.20	67.2	27.42	68.6	27.62	71.4	28.02	72.6	28.22

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ*216LALH

● Capacity : 67.0 kW (24HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
67.0 (100%)	10	44.0	6.92	49.8	7.70	55.4	8.50	61.2	9.28	67.0	10.06	72.6	10.84	84.0	12.40	89.8	13.68
	15	44.0	6.92	49.8	7.70	55.4	8.50	61.2	9.28	67.0	10.24	72.6	11.56	84.0	14.50	89.8	16.16
	21	44.0	7.16	49.8	8.32	55.4	9.58	61.2	10.94	67.0	12.42	72.6	14.00	84.0	17.60	87.2	18.46
	23	44.0	7.60	49.8	8.84	55.4	10.18	61.2	11.64	67.0	13.20	72.6	14.90	84.0	18.74	86.0	19.06
	25	44.0	8.08	49.8	9.40	55.4	10.82	61.2	12.36	67.0	14.04	72.6	15.86	83.2	19.54	84.8	19.68
	27	44.0	8.56	49.8	9.96	55.4	11.48	61.2	13.14	67.0	14.92	72.6	16.86	82.0	20.16	83.4	20.30
	30	44.0	9.34	49.8	10.88	55.4	12.56	61.2	14.36	67.0	16.34	72.6	18.48	80.0	21.22	81.6	21.40
	33	44.0	10.18	49.8	11.88	55.4	13.72	61.2	15.70	67.0	17.94	72.6	20.48	78.2	22.44	79.6	22.64
	35	44.0	10.76	49.8	12.58	55.4	14.54	61.2	16.76	67.0	19.24	72.6	21.98	77.0	23.26	78.4	23.46
	37	44.0	11.40	49.8	13.32	55.4	15.52	61.2	17.96	67.0	20.62	72.6	23.58	75.6	24.08	77.0	24.28
	40	44.0	12.50	49.8	14.72	55.4	17.18	61.2	19.90	67.0	22.88	71.0	24.94	73.8	25.32	75.2	25.52
	43	44.0	13.76	49.8	16.26	55.4	19.00	61.2	22.02	67.0	25.40	69.0	26.16	71.8	26.56	73.2	26.74
	46	44.0	15.16	49.8	17.94	55.4	21.00	61.2	24.40	65.8	27.20	67.0	27.40	69.8	27.80	71.2	27.98
60.3 (90%)	10	39.6	6.32	44.8	7.02	49.8	7.74	55.0	8.44	60.2	9.14	65.4	9.84	75.6	11.26	80.8	11.96
	15	39.6	6.32	44.8	7.02	49.8	7.74	55.0	8.44	60.2	9.14	65.4	9.90	75.6	12.30	80.8	13.62
	21	39.6	6.44	44.8	7.30	49.8	8.36	55.0	9.48	60.2	10.70	65.4	12.00	75.6	14.90	80.8	16.52
	23	39.6	6.72	44.8	7.76	49.8	8.88	55.0	10.08	60.2	11.38	65.4	12.76	75.6	15.86	80.8	17.58
	25	39.6	7.12	44.8	8.24	49.8	9.44	55.0	10.72	60.2	12.10	65.4	13.58	75.6	16.88	80.8	18.72
	27	39.6	7.56	44.8	8.74	49.8	10.00	55.0	11.38	60.2	12.84	65.4	14.42	75.6	17.96	80.8	19.92
	30	39.6	8.24	44.8	9.54	49.8	10.94	55.0	12.44	60.2	14.06	65.4	15.80	75.6	19.68	79.2	21.12
	33	39.6	8.96	44.8	10.38	49.8	11.92	55.0	13.58	60.2	15.36	65.4	17.30	75.6	21.92	77.4	22.34
	35	39.6	9.48	44.8	11.00	49.8	12.64	55.0	14.40	60.2	16.36	65.4	18.54	74.8	22.98	76.2	23.18
	37	39.6	10.02	44.8	11.64	49.8	13.38	55.0	15.36	60.2	17.52	65.4	19.88	73.6	23.82	75.0	24.00
	40	39.6	10.92	44.8	12.78	49.8	14.80	55.0	17.00	60.2	19.42	65.4	22.04	71.8	25.06	73.2	25.24
	43	39.6	12.02	44.8	14.08	49.8	16.34	55.0	18.80	60.2	21.48	65.4	24.44	69.8	26.30	71.2	26.48
	46	39.6	13.22	44.8	15.50	49.8	18.02	55.0	20.78	60.2	23.80	65.4	27.14	68.0	27.54	69.2	27.72
53.6 (80%)	10	35.2	5.72	39.8	6.34	44.4	6.98	49.0	7.60	53.6	8.22	58.0	8.86	67.2	10.10	71.8	10.72
	15	35.2	5.72	39.8	6.34	44.4	6.98	49.0	7.60	53.6	8.22	58.0	8.86	67.2	10.32	71.8	11.36
	21	35.2	5.82	39.8	6.46	44.4	7.22	49.0	8.14	53.6	9.14	58.0	10.18	67.2	12.50	71.8	13.78
	23	35.2	6.06	39.8	6.76	44.4	7.68	49.0	8.66	53.6	9.72	58.0	10.84	67.2	13.30	71.8	14.66
	25	35.2	6.28	39.8	7.16	44.4	8.14	49.0	9.20	53.6	10.32	58.0	11.52	67.2	14.14	71.8	15.60
	27	35.2	6.60	39.8	7.60	44.4	8.64	49.0	9.76	53.6	10.96	58.0	12.24	67.2	15.04	71.8	16.58
	30	35.2	7.20	39.8	8.28	44.4	9.42	49.0	10.66	53.6	11.98	58.0	13.38	67.2	16.46	71.8	18.16
	33	35.2	7.82	39.8	9.00	44.4	10.28	49.0	11.62	53.6	13.06	58.0	14.60	67.2	18.08	71.8	20.10
	35	35.2	8.26	39.8	9.52	44.4	10.88	49.0	12.32	53.6	13.84	58.0	15.52	67.2	19.40	71.8	21.58
	37	35.2	8.72	39.8	10.08	44.4	11.50	49.0	13.04	53.6	14.76	58.0	16.62	67.2	20.80	71.8	23.14
	40	35.2	9.48	39.8	10.98	44.4	12.62	49.0	14.40	53.6	16.32	58.0	18.40	67.2	23.08	70.8	24.92
	43	35.2	10.38	39.8	12.08	44.4	13.92	49.0	15.90	53.6	18.04	58.0	20.36	67.2	25.60	69.0	26.16
	46	35.2	11.40	39.8	13.28	44.4	15.32	49.0	17.52	53.6	19.92	58.0	22.52	65.8	27.22	67.2	27.42
46.9 (70%)	10	30.8	5.12	34.8	5.66	38.8	6.22	42.8	6.76	46.8	7.30	50.8	7.86	58.8	8.96	62.8	9.50
	15	30.8	5.12	34.8	5.66	38.8	6.22	42.8	6.76	46.8	7.30	50.8	7.86	58.8	8.96	62.8	9.50
	21	30.8	5.22	34.8	5.78	38.8	6.34	42.8	6.92	46.8	7.72	50.8	8.54	58.8	10.36	62.8	11.36
	23	30.8	5.40	34.8	6.00	38.8	6.58	42.8	7.36	46.8	8.20	50.8	9.08	58.8	11.02	62.8	12.08
	25	30.8	5.60	34.8	6.22	38.8	6.96	42.8	7.80	46.8	8.70	50.8	9.66	58.8	11.72	62.8	12.84
	27	30.8	5.82	34.8	6.52	38.8	7.38	42.8	8.28	46.8	9.24	50.8	10.24	58.8	12.44	62.8	13.64
	30	30.8	6.22	34.8	7.10	38.8	8.04	42.8	9.02	46.8	10.08	50.8	11.18	58.8	13.60	62.8	14.92
	33	30.8	6.74	34.8	7.72	38.8	8.74	42.8	9.84	46.8	10.98	50.8	12.20	58.8	14.86	62.8	16.32
	35	30.8	7.12	34.8	8.16	38.8	9.24	42.8	10.40	46.8	11.64	50.8	12.94	58.8	15.82	62.8	17.46
	37	30.8	7.52	34.8	8.62	38.8	9.78	42.8	11.02	46.8	12.32	50.8	13.72	58.8	16.94	62.8	18.70
	40	30.8	8.14	34.8	9.36	38.8	10.64	42.8	12.04	46.8	13.56	50.8	15.18	58.8	18.74	62.8	20.72
	43	30.8	8.86	34.8	10.24	38.8	11.70	42.8	13.28	46.8	14.96	50.8	16.76	58.8	20.74	62.8	22.96
	46	30.8	9.72	34.8	11.24	38.8	12.88	42.8	14.62	46.8	16.48	50.8	18.48	58.8	22.96	62.8	25.46
40.2 (60%)	10	26.4	4.52	29.8	4.98	33.2	5.46	36.6	5.92	40.2	6.40	43.6	6.86	50.4	7.80	53.8	8.28
	15	26.4	4.52	29.8	4.98	33.2	5.46	36.6	5.92	40.2	6.40	43.6	6.86	50.4	7.80	53.8	8.28
	21	26.4	4.60	29.8	5.08	33.2	5.56	36.6	6.04	40.2	6.52	43.6	7.06	50.4	8.46	53.8	9.22
	23	26.4	4.76	29.8	5.26	33.2	5.76	36.6	6.26	40.2	6.82	43.6	7.50	50.4	9.00	53.8	9.80
	25	26.4	4.94	29.8	5.46	33.2	5.98	36.6	6.54	40.2	7.24	43.6	7.98	50.4	9.56	53.8	10.40
	27	26.4	5.10	29.8	5.66	33.2	6.20	36.6	6.92	40.2	7.66	43.6	8.46	50.4	10.14	53.8	11.04
	30	26.4	5.38	29.8	6.00	33.2	6.76	36.6	7.54	40.2	8.36	43.6	9.22	50.4	11.08	53.8	12.08
	33	26.4	5.74	29.8	6.52	33.2	7.34	36.6	8.20	40.2	9.10	43.6	10.04	50.4	12.08	53.8	13.18
	35	26.4	6.06	29.8	6.88	33.2	7.76	36.6	8.66	40.2	9.62	43.6	10.64	50.4	12.80	53.8	13.96
	37	26.4	6.38	29.8	7.26	33.2	8.18	36.6	9.16	40.2	10.18	43.6	11.24	50.4	13.58	53.8	14.90
	40	26.4	6.90	29.8	7.86	33.2	8.88	36.6	9.94	40.2	11.10	43.6	12.32	50.4	15.00	53.8	16.46
	43	26.4	7.46	29.8	8.56	33.2	9.70	36.6	10.92	40.2	12.22	43.6	13.58	50.4	16.56	53.8	18.20
	46	26.4	8.16	29.8	9.38	33.2	10.64	36.6	12.00	40.2	13.44	43.6	14.96	50.4	18.28	53.8	20.10
33.5 (50%)	10	22.0	3.92	24.8	4.30	27.6	4.70	30.6	5.08	33.4	5.48	36.2	5.86	42.0	6.66	44.8	7.04
	15	22.0	3.92	24.8	4.30	27.6	4.70	30.6	5.08	33.4	5.48	36.2	5.86	42.0	6.66	44.8	7.04
	21	22.0	3.98	24.8	4.38	27.6	4.78	30.6	5.18	33.4	5.58	36.2	5.98	42.0	6.78	44.8	7.32
	23	22.0	4.12	24.8	4.54	27.6	4.96	30.6	5.38	33.4	5.80	36.2	6.20	42.0	7.20	44.8	7.78
	25	22.0	4.26	24.8	4.70	27.6	5.14	30.6	5.58	33.4	6.00	36.2	6.46	42.0	7.64	44.8	8.26
	27	22.0	4.40	24.8	4.86	27.6	5.32	30.6	5.78	33.4	6.24	36.2	6.84	42.0	8.10	44.8	8.76
	30	22.0	4.64	24.8	5.12	27.6	5.60	30.6	6.16	33.4	6.80	36.2	7.44	42.0	8.82	44.8	9.56
	33	22.0	4.88	24.8	5.40	27.6	6.04	30.6	6.70	33.4	7.38	36.2	8.10	42.0	9.62	44.8	10.42
	35	22.0	5.04	24.8	5.70	27.6	6.36	30.6	7.06	33.4	7.80	36.2	8.56	42.0	10.18	44.8	11.04
	37	22.0	5.32	24.8	6.00	27.6	6.72	30.6	7.46	33.4	8.24	36.2	9.04	42.0	10.76	44.8	11.68
	40	22.0	5.74	24.8	6.48	27.6	7.26	30.6	8.08	33.4	8.92	36.2	9.82	42.0	11.76	44.8	12.82
	43	22.0	6.18	24.8	7.00	27.6	7.88	30.6	8.80	33.4	9.76	36.2	10.78	42.0	12.96	44.8	14.12
	46	22.0	6.72	24.8	7.64	27.6	8.62	30.6	9.64	33.4	10.72	36.2	11.84	42.0	14.26	44.8	15.56

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳234LALH

● Capacity : 73.5 kW (26HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110.3 (150%)	10	72.4	10.94	81.9	12.23	91.3	13.51	100.7	15.61	106.0	16.81	108.1	16.96	112.3	17.25	114.3	17.40
	15	72.4	11.07	81.9	13.25	91.3	15.70	100.3	18.32	102.3	18.47	104.4	18.62	108.4	18.93	110.3	19.09
	21	72.4	13.40	81.9	16.05	91.3	19.03	95.9	20.30	97.8	20.47	99.7	20.62	103.5	20.95	105.4	21.13
	23	72.4	14.26	81.9	17.09	91.3	20.27	94.4	20.96	96.3	21.13	98.1	21.30	101.9	21.63	103.8	21.81
	25	72.4	15.16	81.9	18.17	91.1	21.46	92.9	21.63	94.8	21.80	96.6	21.97	100.3	22.31	102.1	22.49
	27	72.4	16.10	81.9	19.33	89.5	22.12	91.3	22.29	93.2	22.47	95.0	22.64	98.6	23.02	100.5	23.24
	30	72.4	17.63	81.9	21.18	87.3	23.24	89.1	23.46	90.8	23.69	92.6	23.91	96.3	24.35	98.1	24.57
	33	72.4	19.33	81.9	23.54	85.1	24.57	86.7	24.79	88.5	25.01	90.2	25.24	93.9	25.69	95.6	25.91
	35	72.4	20.73	81.8	25.22	83.6	25.45	85.2	25.67	86.9	25.90	88.7	26.13	92.2	26.57	93.9	26.79
	37	72.4	22.21	80.3	26.11	82.0	26.33	83.7	26.57	85.4	26.79	87.1	27.01	90.6	27.47	92.3	27.69
	40	72.4	24.64	78.1	27.43	79.7	27.67	81.4	27.89	83.0	28.13	84.7	28.35	88.2	28.79	89.8	29.03
	43	72.4	27.32	75.7	28.76	77.4	28.99	79.0	29.23	80.7	29.45	82.3	29.69	85.6	30.13	87.3	30.35
	46	71.8	29.85	73.5	30.09	75.0	30.32	76.6	30.55	78.3	30.79	79.9	31.01	83.2	31.47	84.9	31.69
102.9 (140%)	10	67.6	10.28	76.4	11.49	85.2	12.68	94.0	13.92	102.9	16.16	106.4	16.84	110.5	17.13	112.6	17.27
	15	67.6	10.28	76.4	11.95	85.2	14.08	94.0	16.45	100.9	18.34	102.7	18.50	106.7	18.80	108.6	18.96
	21	67.6	12.17	76.4	14.48	85.2	17.06	94.0	19.95	96.4	20.34	98.3	20.51	102.0	20.82	104.0	20.99
	23	67.6	12.94	76.4	15.40	85.2	18.16	93.1	20.84	95.0	21.01	96.8	21.17	100.5	21.50	102.3	21.67
	25	67.6	13.75	76.4	16.38	85.2	19.33	91.6	21.51	93.4	21.68	95.2	21.85	98.9	22.18	100.7	22.36
	27	67.6	14.60	76.4	17.41	85.2	20.56	90.1	22.18	91.9	22.35	93.7	22.52	97.2	22.87	99.0	23.08
	30	67.6	15.97	76.4	19.07	85.2	22.60	87.8	23.32	89.6	23.54	91.3	23.76	95.0	24.20	96.7	24.42
	33	67.6	17.46	76.4	21.02	83.9	24.42	85.6	24.64	87.3	24.86	89.1	25.08	92.6	25.53	94.3	25.75
	35	67.6	18.64	76.4	22.55	82.5	25.30	84.1	25.54	85.8	25.76	87.6	25.98	91.0	26.42	92.8	26.64
	37	67.6	19.96	76.4	24.18	81.0	26.20	82.7	26.42	84.3	26.64	86.0	26.86	89.4	27.32	91.1	27.54
	40	67.6	22.12	76.4	26.86	78.7	27.52	80.3	27.75	82.0	27.98	83.6	28.20	87.0	28.65	88.7	28.87
	43	67.6	24.49	74.8	28.62	76.4	28.86	78.1	29.08	79.7	29.32	81.2	29.54	84.5	29.99	86.2	30.21
	46	67.6	27.14	72.6	29.95	74.1	30.19	75.7	30.42	77.3	30.65	79.0	30.88	82.1	31.33	83.8	31.55
95.6 (130%)	10	62.8	9.62	70.9	10.74	79.2	11.85	87.3	12.96	95.5	14.27	103.6	16.38	108.6	17.00	110.6	17.13
	15	62.8	9.62	70.9	10.74	79.2	12.58	87.3	14.61	95.5	16.87	101.1	18.36	104.9	18.67	106.8	18.82
	21	62.8	10.99	70.9	13.01	79.2	15.24	87.3	17.72	94.8	20.21	96.7	20.36	100.4	20.69	102.2	20.84
	23	62.8	11.69	70.9	13.84	79.2	16.22	87.3	18.86	93.4	20.87	95.2	21.04	98.9	21.37	100.7	21.52
	25	62.8	12.42	70.9	14.71	79.2	17.25	87.3	20.07	92.0	21.54	93.7	21.70	97.4	22.05	99.1	22.21
	27	62.8	13.18	70.9	15.62	79.2	18.34	87.3	21.35	90.4	22.21	92.2	22.38	95.7	22.73	97.5	22.89
	30	62.8	14.41	70.9	17.11	79.2	20.09	86.5	23.15	88.2	23.37	90.0	23.58	93.5	24.01	95.2	24.23
	33	62.8	15.74	70.9	18.71	79.2	22.24	84.4	24.48	86.0	24.70	87.8	24.92	91.2	25.36	92.9	25.57
	35	62.8	16.70	70.9	20.06	79.2	23.87	82.9	25.37	84.5	25.59	86.2	25.81	89.7	26.25	91.3	26.46
	37	62.8	17.88	70.9	21.50	79.2	25.61	81.4	26.26	83.1	26.48	84.7	26.70	88.0	27.14	89.8	27.36
	40	62.8	19.79	70.9	23.83	77.6	27.37	79.2	27.60	80.8	27.82	82.5	28.04	85.8	28.48	87.4	28.70
	43	62.8	21.88	70.9	26.42	75.3	28.70	77.0	28.93	78.6	29.16	80.1	29.38	83.4	29.82	85.0	30.04
	46	62.8	24.20	70.9	29.31	73.1	30.04	74.6	30.27	76.2	30.50	77.9	30.72	81.0	31.17	82.6	31.39
88.2 (120%)	10	57.9	8.96	65.4	9.98	73.0	11.01	80.5	12.04	88.2	13.08	95.7	14.32	106.4	16.84	108.4	16.98
	15	57.9	8.96	65.4	9.98	73.0	11.19	80.5	12.92	88.2	14.83	95.7	16.92	102.9	18.51	104.7	18.65
	21	57.9	9.89	65.4	11.64	73.0	13.55	80.5	15.66	88.2	17.97	95.0	20.21	98.5	20.53	100.3	20.68
	23	57.9	10.52	65.4	12.37	73.0	14.42	80.5	16.67	88.2	19.14	93.5	20.88	97.0	21.20	98.8	21.36
	25	57.9	11.17	65.4	13.16	73.0	15.33	80.5	17.73	88.2	20.36	92.1	21.55	95.6	21.88	97.4	22.05
	27	57.9	11.86	65.4	13.97	73.0	16.29	80.5	18.85	88.2	21.67	90.6	22.22	94.1	22.56	95.8	22.73
	30	57.9	12.95	65.4	15.27	73.0	17.83	80.5	20.65	86.7	23.17	88.4	23.39	91.9	23.81	93.5	24.02
	33	57.9	14.13	65.4	16.69	73.0	19.57	80.5	22.91	84.6	24.51	86.3	24.73	89.6	25.15	91.3	25.37
	35	57.9	14.98	65.4	17.77	73.0	20.98	80.5	24.59	83.2	25.40	84.8	25.62	88.2	26.05	89.8	26.27
	37	57.9	15.93	65.4	19.02	73.0	22.49	80.1	26.07	81.7	26.29	83.4	26.51	86.6	26.95	88.2	27.16
	40	57.9	17.62	65.4	21.06	73.0	24.95	77.9	27.41	79.5	27.63	81.1	27.85	84.3	28.29	86.0	28.51
	43	57.9	19.46	65.4	23.31	73.0	27.67	75.7	28.75	77.3	28.98	78.8	29.20	82.0	29.64	83.6	29.86
	46	57.9	21.48	65.4	25.81	72.0	29.87	73.5	30.10	75.0	30.32	76.6	30.55	79.7	30.99	81.2	31.21
80.9 (110%)	10	53.1	8.29	60.1	9.24	66.9	10.18	73.9	11.13	80.8	12.08	87.6	13.02	101.4	15.81	105.8	16.80
	15	53.1	8.29	60.1	9.24	66.9	10.18	73.9	11.38	80.8	12.98	87.6	14.72	100.5	18.33	102.5	18.47
	21	53.1	8.86	60.1	10.35	66.9	11.99	73.9	13.77	80.8	15.71	87.6	17.84	96.4	20.34	98.2	20.49
	23	53.1	9.41	60.1	11.01	66.9	12.75	73.9	14.65	80.8	16.72	87.6	18.99	95.0	21.02	96.8	21.17
	25	53.1	10.00	60.1	11.69	66.9	13.55	73.9	15.58	80.8	17.79	87.6	20.21	93.6	21.70	95.3	21.85
	27	53.1	10.61	60.1	12.41	66.9	14.39	73.9	16.56	80.8	18.91	87.6	21.50	92.2	22.38	93.9	22.53
	30	53.1	11.58	60.1	13.57	66.9	15.75	73.9	18.12	80.8	20.73	86.7	23.17	90.0	23.58	91.7	23.79
	33	53.1	12.62	60.1	14.81	66.9	17.20	73.9	19.90	80.8	23.00	84.5	24.51	87.8	24.93	89.5	25.14
	35	53.1	13.36	60.1	15.70	66.9	18.36	73.9	21.35	80.8	24.69	83.2	25.40	86.4	25.83	88.0	26.04
	37	53.1	14.15	60.1	16.75	66.9	19.66	73.9	22.89	80.1	26.09	81.7	26.29	84.9	26.73	86.5	26.94
	40	53.1	15.61	60.1	18.52	66.9	21.77	73.9	25.39	78.1	27.43	79.6	27.65	82.7	28.07	84.3	28.29
	43	53.1	17.22	60.1	20.47	66.9	24.11	73.9	28.18	75.9	28.77	77.4	28.99	80.5	29.43	82.1	29.64
	46	53.1	18.99	60.1	22.62	66.9	26.70	72.2	29.89	73.7	30.12	75.2	30.35	78.3	30.78	79.7	31.00

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳234LALH

● Capacity : 73.5 kW (26HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
73.5 (100%)	10	48.3	7.63	54.6	8.49	60.8	9.36	67.1	10.21	73.5	11.07	79.7	11.93	92.2	13.64	98.5	15.04
	15	48.3	7.63	54.6	8.49	60.8	9.36	67.1	10.21	73.5	11.27	79.7	12.72	92.2	15.95	98.5	17.77
	21	48.3	7.89	54.6	9.16	60.8	10.54	67.1	12.04	73.5	13.66	79.7	15.40	92.2	19.35	95.7	20.29
	23	48.3	8.38	54.6	9.74	60.8	11.21	67.1	12.81	73.5	14.52	79.7	16.39	92.2	20.60	94.4	20.96
	25	48.3	8.90	54.6	10.34	60.8	11.91	67.1	13.60	73.5	15.44	79.7	17.44	91.3	21.48	93.0	21.64
	27	48.3	9.43	54.6	10.97	60.8	12.64	67.1	14.45	73.5	16.41	79.7	18.54	90.0	22.16	91.6	22.32
	30	48.3	10.28	54.6	11.98	60.8	13.82	67.1	15.80	73.5	17.97	79.7	20.31	87.8	23.32	89.5	23.52
	33	48.3	11.20	54.6	13.07	60.8	15.09	67.1	17.27	73.5	19.72	79.7	22.51	85.8	24.66	87.4	24.88
	35	48.3	11.85	54.6	13.84	60.8	15.99	67.1	18.43	73.5	21.15	79.7	24.15	84.4	25.56	86.0	25.78
	37	48.3	12.54	54.6	14.65	60.8	17.07	67.1	19.74	73.5	22.67	79.7	25.91	83.0	26.47	84.5	26.68
	40	48.3	13.75	54.6	16.19	60.8	18.89	67.1	21.87	73.5	25.15	77.8	27.40	80.9	27.82	82.5	28.04
	43	48.3	15.14	54.6	17.88	60.8	20.88	67.1	24.21	73.5	27.91	75.7	28.75	78.7	29.18	80.3	29.39
	46	48.3	16.67	54.6	19.72	60.8	23.08	67.1	26.82	72.1	29.89	73.5	30.11	76.6	30.54	78.1	30.75
66.2 (90%)	10	43.4	6.97	49.1	7.74	54.7	8.52	60.4	9.29	66.1	10.06	71.7	10.84	83.0	12.39	88.7	13.16
	15	43.4	6.97	49.1	7.74	54.7	8.52	60.4	9.29	66.1	10.06	71.7	10.90	83.0	13.53	88.7	14.98
	21	43.4	7.10	49.1	8.05	54.7	9.20	60.4	10.44	66.1	11.78	71.7	13.20	83.0	16.39	88.7	18.16
	23	43.4	7.41	49.1	8.55	54.7	9.78	60.4	11.10	66.1	12.52	71.7	14.04	83.0	17.44	88.7	19.33
	25	43.4	7.85	49.1	9.07	54.7	10.39	60.4	11.80	66.1	13.31	71.7	14.94	83.0	18.56	88.7	20.58
	27	43.4	8.33	49.1	9.62	54.7	11.01	60.4	12.52	66.1	14.13	71.7	15.86	83.0	19.74	88.7	21.90
	30	43.4	9.07	49.1	10.50	54.7	12.03	60.4	13.68	66.1	15.46	71.7	17.37	83.0	21.63	87.0	23.21
	33	43.4	9.87	49.1	11.43	54.7	13.12	60.4	14.94	66.1	16.89	71.7	19.02	83.0	24.09	85.0	24.56
	35	43.4	10.44	49.1	12.10	54.7	13.90	60.4	15.83	66.1	17.99	71.7	20.39	82.1	25.26	83.6	25.47
	37	43.4	11.03	49.1	12.81	54.7	14.72	60.4	16.90	66.1	19.27	71.7	21.85	80.8	26.17	82.3	26.37
	40	43.4	12.01	49.1	14.05	54.7	16.27	60.4	18.69	66.1	21.34	71.7	24.23	78.8	27.53	80.3	27.74
	43	43.4	13.22	49.1	15.49	54.7	17.96	60.4	20.66	66.1	23.61	71.7	26.86	76.6	28.89	78.1	29.10
	46	43.4	14.54	49.1	17.05	54.7	19.81	60.4	22.84	66.1	26.15	71.7	29.82	74.6	30.26	76.0	30.46
58.8 (80%)	10	38.6	6.31	43.6	6.99	48.7	7.69	53.7	8.37	58.8	9.06	63.7	9.75	73.8	11.12	78.8	11.80
	15	38.6	6.31	43.6	6.99	48.7	7.69	53.7	8.37	58.8	9.06	63.7	9.75	73.8	11.36	78.8	12.50
	21	38.6	6.43	43.6	7.13	48.7	7.96	53.7	8.97	58.8	10.06	63.7	11.21	73.8	13.75	78.8	15.15
	23	38.6	6.68	43.6	7.45	48.7	8.46	53.7	9.54	58.8	10.70	63.7	11.93	73.8	14.63	78.8	16.12
	25	38.6	6.92	43.6	7.89	48.7	8.97	53.7	10.13	58.8	11.36	63.7	12.67	73.8	15.56	78.8	17.15
	27	38.6	7.28	43.6	8.37	48.7	9.52	53.7	10.75	58.8	12.06	63.7	13.46	73.8	16.54	78.8	18.23
	30	38.6	7.93	43.6	9.12	48.7	10.38	53.7	11.73	58.8	13.18	63.7	14.71	73.8	18.10	78.8	19.97
	33	38.6	8.61	43.6	9.91	48.7	11.31	53.7	12.79	58.8	14.37	63.7	16.06	73.8	19.88	78.8	22.09
	35	38.6	9.10	43.6	10.48	48.7	11.97	53.7	13.55	58.8	15.23	63.7	17.07	73.8	21.32	78.8	23.71
	37	38.6	9.61	43.6	11.09	48.7	12.66	53.7	14.34	58.8	16.23	63.7	18.27	73.8	22.86	78.8	25.43
	40	38.6	10.43	43.6	12.08	48.7	13.88	53.7	15.84	58.8	17.94	63.7	20.22	73.8	25.36	77.7	27.38
	43	38.6	11.43	43.6	13.29	48.7	15.31	53.7	17.48	58.8	19.83	63.7	22.37	73.8	28.14	75.7	28.75
	46	38.6	12.55	43.6	14.61	48.7	16.85	53.7	19.27	58.8	21.90	63.7	24.75	72.2	29.91	73.7	30.12
51.5 (70%)	10	33.8	5.65	38.2	6.25	42.6	6.86	47.0	7.45	51.4	8.05	55.7	8.66	64.5	9.86	68.9	10.46
	15	33.8	5.65	38.2	6.25	42.6	6.86	47.0	7.45	51.4	8.05	55.7	8.66	64.5	9.86	68.9	10.46
	21	33.8	5.76	38.2	6.37	42.6	6.99	47.0	7.63	51.4	8.50	55.7	9.41	64.5	11.41	68.9	12.50
	23	33.8	5.96	38.2	6.61	42.6	7.25	47.0	8.11	51.4	9.03	55.7	10.00	64.5	12.13	68.9	13.29
	25	33.8	6.18	38.2	6.86	42.6	7.67	47.0	8.60	51.4	9.58	55.7	10.63	64.5	12.89	68.9	14.12
	27	33.8	6.41	38.2	7.19	42.6	8.13	47.0	9.12	51.4	10.17	55.7	11.27	64.5	13.69	68.9	15.00
	30	33.8	6.86	38.2	7.83	42.6	8.86	47.0	9.94	51.4	11.10	55.7	12.31	64.5	14.96	68.9	16.41
	33	33.8	7.43	38.2	8.50	42.6	9.63	47.0	10.83	51.4	12.09	55.7	13.43	64.5	16.35	68.9	17.94
	35	33.8	7.85	38.2	8.99	42.6	10.18	47.0	11.45	51.4	12.81	55.7	14.23	64.5	17.39	68.9	19.19
	37	33.8	8.28	38.2	9.49	42.6	10.77	47.0	12.12	51.4	13.55	55.7	15.10	64.5	18.62	68.9	20.56
	40	33.8	8.97	38.2	10.30	42.6	11.71	47.0	13.25	51.4	14.92	55.7	16.69	64.5	20.61	68.9	22.78
	43	33.8	9.76	38.2	11.27	42.6	12.88	47.0	14.61	51.4	16.45	55.7	18.42	64.5	22.80	68.9	25.24
	46	33.8	10.71	38.2	12.37	42.6	14.17	47.0	16.08	51.4	18.12	55.7	20.32	64.5	25.23	68.9	27.98
44.1 (60%)	10	28.9	4.99	32.7	5.50	36.4	6.02	40.2	6.53	44.1	7.05	47.8	7.56	55.3	8.59	59.1	9.12
	15	28.9	4.99	32.7	5.50	36.4	6.02	40.2	6.53	44.1	7.05	47.8	7.56	55.3	8.59	59.1	9.12
	21	28.9	5.08	32.7	5.61	36.4	6.13	40.2	6.66	44.1	7.19	47.8	7.79	55.3	9.32	59.1	10.15
	23	28.9	5.26	32.7	5.81	36.4	6.36	40.2	6.91	44.1	7.52	47.8	8.27	55.3	9.91	59.1	10.79
	25	28.9	5.45	32.7	6.02	36.4	6.60	40.2	7.21	44.1	7.97	47.8	8.79	55.3	10.52	59.1	11.45
	27	28.9	5.64	32.7	6.24	36.4	6.84	40.2	7.63	44.1	8.44	47.8	9.31	55.3	11.16	59.1	12.16
	30	28.9	5.94	32.7	6.62	36.4	7.45	40.2	8.31	44.1	9.21	47.8	10.15	55.3	12.19	59.1	13.29
	33	28.9	6.33	32.7	7.19	36.4	8.09	40.2	9.03	44.1	10.02	47.8	11.05	55.3	13.29	59.1	14.50
	35	28.9	6.68	32.7	7.58	36.4	8.54	40.2	9.54	44.1	10.59	47.8	11.70	55.3	14.08	59.1	15.36
	37	28.9	7.03	32.7	8.00	36.4	9.01	40.2	10.08	44.1	11.20	47.8	12.37	55.3	14.94	59.1	16.38
	40	28.9	7.61	32.7	8.66	36.4	9.78	40.2	10.94	44.1	12.21	47.8	13.56	55.3	16.50	59.1	18.10
	43	28.9	8.22	32.7	9.42	36.4	10.68	40.2	12.02	44.1	13.44	47.8	14.94	55.3	18.21	59.1	20.01
	46	28.9	8.99	32.7	10.32	36.4	11.72	40.2	13.20	44.1	14.78	47.8	16.45	55.3	20.10	59.1	22.10
36.8 (50%)	10	24.1	4.33	27.2	4.75	30.3	5.19	33.5	5.61	36.7	6.05	39.8	6.47	46.1	7.34	49.2	7.76
	15	24.1	4.33	27.2	4.75	30.3	5.19	33.5	5.61	36.7	6.05	39.8	6.47	46.1	7.34	49.2	7.76
	21	24.1	4.40	27.2	4.84	30.3	5.28	33.5	5.72	36.7	6.16	39.8	6.60	46.1	7.47	49.2	8.07
	23	24.1	4.55	27.2	5.01	30.3	5.47	33.5	5.93	36.7	6.39	39.8	6.84	46.1	7.93	49.2	8.57
	25	24.1	4.71	27.2	5.19	30.3	5.67	33.5	6.15	36.7	6.62	39.8	7.12	46.1	8.41	49.2	9.10
	27	24.1	4.87	27.2	5.37	30.3	5.87	33.5	6.37	36.7	6.88	39.8	7.54	46.1	8.92	49.2	9.65
	30	24.1	5.12	27.2	5.65	30.3	6.18	33.5	6.80	36.7	7.49	39.8	8.20	46.1	9.72	49.2	10.53
	33	24.1	5.38	27.2	5.96	30.3	6.66	33.5	7.38	36.7	8.13	39.8	8.92	46.1	10.59	49.2	11.47
	35	24.1	5.57	27.2	6.28	30.3	7.02	33.5	7.78	36.7	8.59	39.8	9.42	46.1	11.20	49.2	12.14
	37	24.1	5.87	27.2	6.62	30.3	7.40	33.5	8.22	36.7	9.07	39.8	9.95	46.1	11.84	49.2	12.85
	40	24.1	6.33	27.2	7.15	30.3	8.00	33.5	8.90	36.7	9.83	39.8	10.81	46.1	12.94	49.2	14.10
	43	24.1	6.82	27.2	7.72	30.3	8.68	33.5	9.69	36.7	10.75	39.8	11.86	46.1	14.25	49.2	15.53
	46	24.1	7.41	27.2	8.42	30.3	9.49	33.5	10.62	36.7	11.80	39.8	13.03	46.1	15.68	49.2	17.11

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳252LALH

● Capacity : 78.5 kW (28HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
117.8 (150%)	10	77.4	12.24	87.4	13.70	97.5	15.15	107.6	17.45	113.3	18.83	115.6	19.00	120.0	19.32	122.2	19.49
	15	77.4	12.35	87.4	14.81	97.5	17.57	107.2	20.55	109.4	20.72	111.6	20.89	115.8	21.24	117.9	21.41
	21	77.4	14.99	87.4	17.99	97.5	21.34	102.5	22.80	104.5	22.99	106.5	23.17	110.7	23.54	112.6	23.73
	23	77.4	15.96	87.4	19.16	97.5	22.75	100.9	23.55	102.9	23.74	104.9	23.94	108.9	24.31	110.9	24.51
	25	77.4	16.99	87.4	20.39	97.4	24.12	99.2	24.32	101.2	24.51	103.2	24.70	107.1	25.09	109.1	25.28
	27	77.4	18.06	87.4	21.70	95.7	24.87	97.6	25.07	99.6	25.27	101.5	25.46	105.3	25.88	107.3	26.13
	30	77.4	19.79	87.4	23.80	93.3	26.14	95.2	26.39	97.0	26.65	98.9	26.90	102.8	27.40	104.8	27.65
	33	77.4	21.72	87.4	26.49	90.9	27.66	92.6	27.91	94.5	28.16	96.4	28.41	100.3	28.92	102.1	29.17
	35	77.4	23.31	87.4	28.40	89.2	28.66	91.0	28.91	92.9	29.17	94.7	29.43	98.5	29.93	100.3	30.18
	37	77.4	25.00	85.8	29.41	87.6	29.67	89.3	29.93	91.2	30.18	93.0	30.43	96.8	30.94	98.6	31.19
	40	77.4	27.77	83.3	30.92	85.1	31.18	86.9	31.44	88.6	31.70	90.5	31.95	94.1	32.45	95.9	32.71
	43	77.4	30.84	80.8	32.43	82.6	32.69	84.3	32.95	86.1	33.21	87.9	33.47	91.4	33.98	93.2	34.22
	46	76.6	33.67	78.4	33.94	80.1	34.21	81.8	34.46	83.6	34.73	85.3	34.98	88.8	35.50	90.6	35.75
109.9 (140%)	10	72.2	11.50	81.6	12.86	91.0	14.21	100.4	15.59	109.9	18.07	113.8	18.87	118.2	19.19	120.3	19.35
	15	72.2	11.50	81.6	13.35	91.0	15.74	100.4	18.42	107.8	20.58	109.8	20.75	114.0	21.10	116.1	21.27
	21	72.2	13.60	81.6	16.21	91.0	19.13	100.4	22.38	103.0	22.85	105.0	23.04	109.0	23.39	111.1	23.58
	23	72.2	14.47	81.6	17.26	91.0	20.38	99.4	23.42	101.5	23.61	103.4	23.79	107.4	24.17	109.3	24.36
	25	72.2	15.39	81.6	18.37	91.0	21.70	97.8	24.18	99.8	24.37	101.8	24.56	105.7	24.94	107.6	25.13
	27	72.2	16.36	81.6	19.54	91.0	23.09	96.3	24.94	98.2	25.14	100.1	25.32	103.9	25.71	105.8	25.95
	30	72.2	17.91	81.6	21.41	91.0	25.42	93.8	26.23	95.7	26.48	97.6	26.73	101.4	27.22	103.3	27.47
	33	72.2	19.60	81.6	23.64	89.6	27.49	91.4	27.74	93.3	27.99	95.2	28.24	98.9	28.74	100.8	28.99
	35	72.2	20.95	81.6	25.38	88.1	28.50	89.8	28.76	91.7	29.01	93.5	29.26	97.2	29.75	99.1	30.00
	37	72.2	22.45	81.6	27.24	86.5	29.51	88.3	29.76	90.0	30.01	91.8	30.26	95.4	30.77	97.3	31.02
	40	72.2	24.90	81.6	30.29	84.1	31.02	85.8	31.28	87.6	31.53	89.3	31.79	92.8	32.30	94.7	32.54
	43	72.2	27.61	79.9	32.27	81.6	32.54	83.3	32.79	85.0	33.06	86.7	33.31	90.3	33.82	92.1	34.07
	46	72.2	30.64	77.5	33.79	79.1	34.06	80.8	34.31	82.5	34.58	84.3	34.83	87.6	35.34	89.4	35.59
102.1 (130%)	10	67.1	10.75	75.8	12.01	84.6	13.27	93.3	14.53	102.0	15.95	110.7	18.32	116.1	19.04	118.2	19.20
	15	67.1	10.75	75.8	12.01	84.6	14.06	93.3	16.34	102.0	18.89	108.1	20.60	112.1	20.94	114.2	21.11
	21	67.1	12.27	75.8	14.55	84.6	17.07	93.3	19.87	101.3	22.70	103.4	22.88	107.3	23.24	109.3	23.42
	23	67.1	13.06	75.8	15.49	84.6	18.18	93.3	21.17	99.8	23.45	101.8	23.64	105.7	24.01	107.6	24.19
	25	67.1	13.89	75.8	16.48	84.6	19.35	93.3	22.54	98.2	24.22	100.1	24.40	104.0	24.78	105.9	24.96
	27	67.1	14.76	75.8	17.52	84.6	20.59	93.3	23.99	96.6	24.97	98.5	25.17	102.3	25.56	104.2	25.74
	30	67.1	16.15	75.8	19.20	84.6	22.58	92.4	26.04	94.3	26.29	96.1	26.53	99.9	27.01	101.7	27.26
	33	67.1	17.66	75.8	21.02	84.6	25.02	90.2	27.56	91.9	27.81	93.7	28.06	97.4	28.55	99.2	28.78
	35	67.1	18.74	75.8	22.55	84.6	26.88	88.6	28.57	90.3	28.82	92.1	29.06	95.8	29.56	97.5	29.80
	37	67.1	20.09	75.8	24.19	84.6	28.86	86.9	29.58	88.8	29.83	90.5	30.08	94.0	30.58	95.9	30.82
	40	67.1	22.26	75.8	26.85	82.9	30.84	84.6	31.11	86.3	31.36	88.1	31.61	91.6	32.10	93.3	32.35
	43	67.1	24.64	75.8	29.80	80.4	32.37	82.2	32.62	83.9	32.88	85.5	33.13	89.0	33.63	90.7	33.88
	46	67.1	27.29	75.8	33.12	78.0	33.89	79.7	34.14	81.3	34.40	83.1	34.66	86.4	35.16	88.1	35.40
94.2 (120%)	10	61.9	10.00	69.9	11.16	78.0	12.32	86.0	13.49	94.2	14.66	102.2	16.00	113.7	18.87	115.9	19.02
	15	61.9	10.00	69.9	11.16	78.0	12.49	86.0	14.44	94.2	16.59	102.2	18.94	110.0	20.77	111.9	20.92
	21	61.9	11.03	69.9	13.01	78.0	15.17	86.0	17.54	94.2	20.15	101.5	22.70	105.3	23.06	107.2	23.24
	23	61.9	11.75	69.9	13.84	78.0	16.14	86.0	18.69	94.2	21.47	99.9	23.47	103.7	23.82	105.6	24.01
	25	61.9	12.48	69.9	14.72	78.0	17.18	86.0	19.89	94.2	22.87	98.4	24.22	102.2	24.59	104.0	24.78
	27	61.9	13.26	69.9	15.65	78.0	18.27	86.0	21.16	94.2	24.36	96.8	24.99	100.5	25.37	102.4	25.56
	30	61.9	14.49	69.9	17.12	78.0	20.02	86.0	23.21	92.6	26.07	94.5	26.31	98.2	26.79	99.9	27.03
	33	61.9	15.84	69.9	18.73	78.0	21.99	86.0	25.78	90.4	27.59	92.1	27.84	95.7	28.31	97.5	28.56
	35	61.9	16.80	69.9	19.95	78.0	23.59	86.0	27.70	88.8	28.61	90.5	28.86	94.2	29.34	95.9	29.58
	37	61.9	17.88	69.9	21.38	78.0	25.32	85.5	29.37	87.2	29.62	89.0	29.87	92.5	30.36	94.2	30.60
	40	61.9	19.80	69.9	23.71	78.0	28.12	83.2	30.90	84.9	31.14	86.6	31.39	90.0	31.89	91.8	32.13
	43	61.9	21.89	69.9	26.27	78.0	31.23	80.8	32.42	82.5	32.68	84.1	32.93	87.6	33.43	89.3	33.67
	46	61.9	24.20	69.9	29.12	76.8	33.69	78.5	33.96	80.1	34.21	81.7	34.46	85.0	34.96	86.7	35.20
86.4 (110%)	10	56.7	9.25	64.2	10.31	71.5	11.38	78.9	12.46	86.3	13.53	93.6	14.60	108.3	17.68	113.1	18.83
	15	56.7	9.25	64.2	10.31	71.5	11.38	78.9	12.70	86.3	14.50	93.6	16.46	107.5	20.57	109.5	20.72
	21	56.7	9.87	64.2	11.55	71.5	13.40	78.9	15.41	86.3	17.60	93.6	20.00	103.0	22.85	105.0	23.02
	23	56.7	10.49	64.2	12.30	71.5	14.26	78.9	16.41	86.3	18.75	93.6	21.31	101.5	23.62	103.4	23.79
	25	56.7	11.16	64.2	13.07	71.5	15.17	78.9	17.46	86.3	19.96	93.6	22.69	100.0	24.39	101.8	24.57
	27	56.7	11.85	64.2	13.89	71.5	16.12	78.9	18.57	86.3	21.24	93.6	24.16	98.5	25.16	100.3	25.34
	30	56.7	12.95	64.2	15.20	71.5	17.66	78.9	20.35	86.3	23.30	92.6	26.06	96.1	26.53	97.9	26.76
	33	56.7	14.13	64.2	16.60	71.5	19.31	78.9	22.37	86.3	25.88	90.3	27.59	93.8	28.06	95.6	28.30
	35	56.7	14.97	64.2	17.62	71.5	20.62	78.9	24.02	86.3	27.80	88.8	28.61	92.3	29.08	94.0	29.33
	37	56.7	15.86	64.2	18.81	71.5	22.10	78.9	25.77	85.6	29.39	87.2	29.62	90.7	30.11	92.4	30.35
	40	56.7	17.53	64.2	20.82	71.5	24.51	78.9	28.62	83.3	30.91	85.0	31.16	88.3	31.64	90.0	31.88
	43	56.7	19.36	64.2	23.04	71.5	27.18	78.9	31.81	81.0	32.44	82.6	32.69	85.9	33.18	87.6	33.43
	46	56.7	21.37	64.2	25.49	71.5	30.14	77.0	33.72	78.7	33.98	80.3	34.23	83.5	34.73	85.1	34.97

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳252LALH

● Capacity : 78.5 kW (28HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
78.5 (100%)	10	51.6	8.50	58.3	9.47	65.0	10.45	71.7	11.42	78.5	12.39	85.1	13.36	98.5	15.30	105.2	16.81
	15	51.6	8.50	58.3	9.47	65.0	10.45	71.7	11.42	78.5	12.58	85.1	14.21	98.5	17.86	105.2	19.91
	21	51.6	8.77	58.3	10.21	65.0	11.77	71.7	13.45	78.5	15.28	85.1	17.25	98.5	21.71	102.3	22.79
	23	51.6	9.33	58.3	10.86	65.0	12.52	71.7	14.32	78.5	16.26	85.1	18.37	98.5	23.13	100.8	23.55
	25	51.6	9.91	58.3	11.55	65.0	13.31	71.7	15.23	78.5	17.31	85.1	19.56	97.6	24.15	99.4	24.32
	27	51.6	10.52	58.3	12.26	65.0	14.14	71.7	16.19	78.5	18.40	85.1	20.81	96.1	24.92	97.8	25.10
	30	51.6	11.48	58.3	13.40	65.0	15.48	71.7	17.72	78.5	20.17	85.1	22.83	93.8	26.23	95.6	26.46
	33	51.6	12.53	58.3	14.63	65.0	16.92	71.7	19.39	78.5	22.17	85.1	25.32	91.6	27.77	93.3	28.00
	35	51.6	13.26	58.3	15.51	65.0	17.94	71.7	20.71	78.5	23.79	85.1	27.20	90.2	28.79	91.8	29.03
	37	51.6	14.05	58.3	16.44	65.0	19.17	71.7	22.20	78.5	25.52	85.1	29.20	88.6	29.82	90.3	30.06
	40	51.6	15.41	58.3	18.18	65.0	21.24	71.7	24.62	78.5	28.35	83.1	30.89	86.4	31.36	88.0	31.60
	43	51.6	17.00	58.3	20.10	65.0	23.51	71.7	27.29	78.5	31.50	80.8	32.42	84.1	32.91	85.7	33.14
	46	51.6	18.74	58.3	22.19	65.0	26.02	71.7	30.27	77.0	33.72	78.5	33.96	81.7	34.45	83.3	34.69
70.7 (90%)	10	46.4	7.75	52.5	8.62	58.4	9.51	64.5	10.38	70.6	11.25	76.6	12.12	88.6	13.88	94.7	14.75
	15	46.4	7.75	52.5	8.62	58.4	9.51	64.5	10.38	70.6	11.25	76.6	12.16	88.6	15.12	94.7	16.76
	21	46.4	7.90	52.5	8.95	58.4	10.26	64.5	11.65	70.6	13.16	76.6	14.77	88.6	18.36	94.7	20.37
	23	46.4	8.23	52.5	9.52	58.4	10.91	64.5	12.40	70.6	14.01	76.6	15.72	88.6	19.56	94.7	21.70
	25	46.4	8.73	52.5	10.12	58.4	11.60	64.5	13.19	70.6	14.90	76.6	16.73	88.6	20.83	94.7	23.11
	27	46.4	9.27	52.5	10.74	58.4	12.31	64.5	14.01	70.6	15.83	76.6	17.79	88.6	22.17	94.7	24.61
	30	46.4	10.12	52.5	11.73	58.4	13.46	64.5	15.33	70.6	17.33	76.6	19.49	88.6	24.32	92.9	26.11
	33	46.4	11.02	52.5	12.78	58.4	14.69	64.5	16.75	70.6	18.96	76.6	21.37	88.6	27.12	90.7	27.65
	35	46.4	11.66	52.5	13.55	58.4	15.58	64.5	17.77	70.5	20.21	76.6	22.92	87.7	28.45	89.3	28.68
	37	46.4	12.34	52.5	14.34	58.4	16.51	64.5	18.98	70.6	21.66	76.6	24.59	86.2	29.48	87.9	29.71
	40	46.4	13.45	52.5	15.76	58.4	18.27	64.5	21.02	70.6	24.02	76.6	27.30	84.1	31.03	85.7	31.26
	43	46.4	14.82	52.5	17.39	58.4	20.20	64.5	23.26	70.6	26.62	76.6	30.31	81.8	32.58	83.4	32.81
	46	46.4	16.32	52.5	19.17	58.4	22.30	64.5	25.74	70.6	29.52	76.6	33.65	79.6	34.13	81.1	34.36
62.8 (80%)	10	41.2	7.00	46.6	7.78	52.0	8.56	57.4	9.34	62.8	10.11	68.0	10.90	78.8	12.44	84.2	13.22
	15	41.2	7.00	46.6	7.78	52.0	8.56	57.4	9.34	62.8	10.11	68.0	10.90	78.8	12.68	84.2	13.97
	21	41.2	7.14	46.6	7.93	52.0	8.85	57.4	10.00	62.8	11.23	68.0	12.52	78.8	15.39	84.2	16.97
	23	41.2	7.42	46.6	8.28	52.0	9.42	57.4	10.64	62.8	11.94	68.0	13.33	78.8	16.39	84.2	18.07
	25	41.2	7.70	46.6	8.78	52.0	10.00	57.4	11.31	62.8	12.70	68.0	14.18	78.8	17.44	84.2	19.24
	27	41.2	8.09	46.6	9.32	52.0	10.62	57.4	12.01	62.8	13.49	68.0	15.07	78.8	18.55	84.2	20.46
	30	41.2	8.83	46.6	10.17	52.0	11.59	57.4	13.12	62.8	14.75	68.0	16.49	78.8	20.32	84.2	22.44
	33	41.2	9.60	46.6	11.07	52.0	12.65	57.4	14.32	62.8	16.11	68.0	18.02	78.8	22.34	84.2	24.85
	35	41.2	10.15	46.6	11.72	52.0	13.40	57.4	15.18	62.8	17.08	68.0	19.16	78.8	23.99	84.2	26.70
	37	41.2	10.73	46.6	12.40	52.0	14.18	57.4	16.08	62.8	18.22	68.0	20.53	78.8	25.74	84.2	28.66
	40	41.2	11.66	46.6	13.53	52.0	15.57	57.4	17.78	62.8	20.17	68.0	22.76	78.8	28.59	82.9	30.86
	43	41.2	12.79	46.6	14.90	52.0	17.18	57.4	19.65	62.8	22.31	68.0	25.20	78.8	31.76	80.8	32.42
	46	41.2	14.06	46.6	16.40	52.0	18.94	57.4	21.68	62.8	24.67	68.0	27.92	77.1	33.74	78.7	33.98
55.0 (70%)	10	36.1	6.26	40.8	6.93	45.5	7.62	50.2	8.30	54.9	8.97	59.5	9.66	68.9	11.02	73.6	11.70
	15	36.1	6.26	40.8	6.93	45.5	7.62	50.2	8.30	54.9	8.97	59.5	9.66	68.9	11.02	73.6	11.70
	21	36.1	6.38	40.8	7.07	45.5	7.77	50.2	8.48	54.9	9.47	59.5	10.49	68.9	12.74	73.6	13.97
	23	36.1	6.61	40.8	7.35	45.5	8.07	50.2	9.02	54.9	10.06	59.5	11.16	68.9	13.56	73.6	14.87
	25	36.1	6.86	40.8	7.62	45.5	8.53	50.2	9.58	54.9	10.69	59.5	11.87	68.9	14.43	73.6	15.82
	27	36.1	7.12	40.8	7.99	45.5	9.05	50.2	10.17	54.9	11.36	59.5	12.60	68.9	15.33	73.6	16.81
	30	36.1	7.61	40.8	8.71	45.5	9.87	50.2	11.10	54.9	12.40	59.5	13.78	68.9	16.78	73.6	18.41
	33	36.1	8.27	40.8	9.48	45.5	10.75	50.2	12.11	54.9	13.53	59.5	15.04	68.9	18.35	73.6	20.15
	35	36.1	8.74	40.8	10.02	45.5	11.37	50.2	12.81	54.9	14.34	59.5	15.95	68.9	19.53	73.6	21.57
	37	36.1	9.23	40.8	10.60	45.5	12.04	50.2	13.57	54.9	15.19	59.5	16.94	68.9	20.93	73.6	23.13
	40	36.1	10.01	40.8	11.51	45.5	13.11	50.2	14.86	54.9	16.74	59.5	18.75	68.9	23.19	73.6	25.66
	43	36.1	10.91	40.8	12.62	45.5	14.44	50.2	16.39	54.9	18.48	59.5	20.72	68.9	25.69	73.6	28.46
	46	36.1	11.98	40.8	13.87	45.5	15.90	50.2	18.06	54.9	20.39	59.5	22.88	68.9	28.47	73.6	31.60
47.1 (60%)	10	30.9	5.51	34.9	6.09	38.9	6.68	42.9	7.26	47.1	7.84	51.1	8.42	59.1	9.59	63.1	10.18
	15	30.9	5.51	34.9	6.09	38.9	6.68	42.9	7.26	47.1	7.84	51.1	8.42	59.1	9.59	63.1	10.18
	21	30.9	5.61	34.9	6.21	38.9	6.80	42.9	7.40	47.1	8.00	51.1	8.66	59.1	10.39	63.1	11.32
	23	30.9	5.81	34.9	6.44	38.9	7.06	42.9	7.68	47.1	8.36	51.1	9.21	59.1	11.05	63.1	12.05
	25	30.9	6.03	34.9	6.68	38.9	7.33	42.9	8.01	47.1	8.87	51.1	9.79	59.1	11.75	63.1	12.80
	27	30.9	6.24	34.9	6.93	38.9	7.60	42.9	8.48	47.1	9.41	51.1	10.39	59.1	12.48	63.1	13.60
	30	30.9	6.58	34.9	7.35	38.9	8.28	42.9	9.25	47.1	10.27	51.1	11.34	59.1	13.64	63.1	14.88
	33	30.9	7.03	34.9	7.99	38.9	9.01	42.9	10.07	47.1	11.19	51.1	12.36	59.1	14.89	63.1	16.25
	35	30.9	7.42	34.9	8.44	38.9	9.52	42.9	10.65	47.1	11.84	51.1	13.10	59.1	15.79	63.1	17.23
	37	30.9	7.82	34.9	8.91	38.9	10.06	42.9	11.27	47.1	12.53	51.1	13.86	59.1	16.76	63.1	18.39
	40	30.9	8.47	34.9	9.66	38.9	10.92	42.9	12.24	47.1	13.67	51.1	15.20	59.1	18.53	63.1	20.35
	43	30.9	9.17	34.9	10.52	38.9	11.95	42.9	13.46	47.1	15.07	51.1	16.77	59.1	20.48	63.1	22.52
	46	30.9	10.04	34.9	11.54	38.9	13.12	42.9	14.81	47.1	16.59	51.1	18.49	59.1	22.63	63.1	24.90
39.3 (50%)	10	25.8	4.76	29.1	5.24	32.4	5.73	35.8	6.21	39.2	6.70	42.5	7.18	49.2	8.17	52.5	8.65
	15	25.8	4.76	29.1	5.24	32.4	5.73	35.8	6.21	39.2	6.70	42.5	7.18	49.2	8.17	52.5	8.65
	21	25.8	4.84	29.1	5.34	32.4	5.84	35.8	6.33	39.2	6.83	42.5	7.33	49.2	8.32	52.5	8.98
	23	25.8	5.02	29.1	5.54	32.4	6.06	35.8	6.58	39.2	7.10	42.5	7.61	49.2	8.82	52.5	9.55
	25	25.8	5.19	29.1	5.74	32.4	6.28	35.8	6.82	39.2	7.36	42.5	7.91	49.2	9.37	52.5	10.14
	27	25.8	5.37	29.1	5.94	32.4	6.51	35.8	7.07	39.2	7.64	42.5	8.38	49.2	9.94	52.5	10.77
	30	25.8	5.66	29.1	6.26	32.4	6.86	35.8	7.55	39.2	8.33	42.5	9.13	49.2	10.85	52.5	11.76
	33	25.8	5.95	29.1	6.60	32.4	7.39	35.8	8.21	39.2	9.06	42.5	9.95	49.2	11.83	52.5	12.83
	35	25.8	6.16	29.1	6.97	32.4	7.80	35.8	8.67	39.2	9.58	42.5	10.52	49.2	12.53	52.5	13.59
	37	25.8	6.50	29.1	7.35	32.4	8.24	35.8	9.16	39.2	10.12	42.5	11.12	49.2	13.25	52.5	14.39
	40	25.8	7.02	29.1	7.95	32.4	8.92	35.8	9.93	39.2	10.98	42.5	12.09	49.2	14.50	52.5	15.81
	43	25.8	7.58	29.1	8.60	32.4	9.68	35.8	10.82	39.2	12.02	42.5	13.28	49.2	15.99	52.5	17.44
	46	25.8	8.25	29.1	9.39	32.4	10.61	35.8	11.88	39.2	13.21	42.5	14.61	49.2	17.62	52.5	19.24

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ∗270LALH

● Capacity : 85.0 kW (30HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
127.5 (150%)	10	83.8	13.24	94.7	14.81	105.6	16.38	116.5	18.86	122.7	20.36	125.1	20.54	129.9	20.89	132.3	21.07
	15	83.8	13.36	94.7	16.02	105.6	18.99	116.1	22.21	118.5	22.39	120.8	22.57	125.4	22.95	127.6	23.14
	21	83.8	16.21	94.7	19.44	105.6	23.07	111.0	24.64	113.1	24.84	115.4	25.03	119.8	25.43	122.0	25.64
	23	83.8	17.26	94.7	20.71	105.6	24.58	109.3	25.45	111.4	25.65	113.6	25.86	118.0	26.26	120.1	26.48
	25	83.8	18.37	94.7	22.04	105.5	26.06	107.5	26.27	109.6	26.47	111.8	26.69	116.0	27.10	118.2	27.31
	27	83.8	19.52	94.7	23.45	103.6	26.87	105.7	27.08	107.8	27.30	109.9	27.50	114.1	27.96	116.2	28.23
	30	83.8	21.38	94.7	25.72	101.0	28.24	103.1	28.51	105.0	28.78	107.1	29.05	111.3	29.59	113.5	29.86
	33	83.8	23.47	94.7	28.61	98.4	29.87	100.3	30.14	102.4	30.41	104.4	30.69	108.6	31.23	110.5	31.50
	35	83.8	25.18	94.6	30.68	96.6	30.95	98.6	31.22	100.6	31.51	102.6	31.78	106.7	32.32	108.6	32.59
	37	83.8	27.01	92.9	31.76	94.8	32.04	96.8	32.32	98.8	32.59	100.7	32.86	104.8	33.41	106.7	33.68
	40	83.8	29.99	90.2	33.39	92.2	33.67	94.1	33.95	96.0	34.23	98.0	34.50	101.9	35.04	103.9	35.32
	43	83.8	33.30	87.5	35.01	89.4	35.30	91.3	35.58	93.2	35.86	95.2	36.14	99.0	36.69	100.9	36.95
	46	83.0	36.36	84.9	36.65	86.7	36.93	88.6	37.21	90.5	37.50	92.4	37.77	96.2	38.33	98.1	38.60
119.0 (140%)	10	78.2	12.44	88.4	13.91	98.6	15.37	108.8	16.85	119.0	19.53	123.2	20.39	127.9	20.74	130.3	20.92
	15	78.2	12.44	88.4	14.44	98.6	17.02	108.8	19.91	116.7	22.24	118.9	22.43	123.5	22.80	125.7	22.99
	21	78.2	14.71	88.4	17.53	98.6	20.67	108.8	24.19	111.6	24.69	113.7	24.89	118.0	25.27	120.3	25.47
	23	78.2	15.65	88.4	18.66	98.6	22.02	107.7	25.30	109.9	25.50	112.0	25.70	116.3	26.11	118.4	26.31
	25	78.2	16.64	88.4	19.85	98.6	23.45	106.0	26.13	108.0	26.33	110.2	26.53	114.4	26.94	116.5	27.15
	27	78.2	17.68	88.4	21.11	98.6	24.95	104.2	26.94	106.3	27.15	108.4	27.36	112.5	27.78	114.6	28.03
	30	78.2	19.36	88.4	23.14	98.6	27.46	101.6	28.33	103.7	28.60	105.7	28.87	109.8	29.40	111.8	29.67
	33	78.2	21.18	88.4	25.54	97.1	29.69	99.0	29.96	101.0	30.23	103.1	30.50	107.1	31.03	109.1	31.30
	35	78.2	22.63	88.4	27.41	95.4	30.78	97.3	31.06	99.3	31.33	101.3	31.60	105.2	32.13	107.3	32.40
	37	78.2	24.25	88.4	29.42	93.7	31.87	95.6	32.14	97.5	32.41	99.4	32.68	103.4	33.23	105.4	33.50
	40	78.2	26.90	88.4	32.71	91.0	33.50	92.9	33.77	94.8	34.05	96.7	34.33	100.6	34.87	102.6	35.13
	43	78.2	29.82	86.5	34.85	88.4	35.14	90.2	35.41	92.1	35.70	93.9	35.97	97.8	36.51	99.7	36.78
	46	78.2	33.08	83.9	36.48	85.6	36.77	87.5	37.05	89.4	37.33	91.3	37.61	94.9	38.15	96.8	38.42
110.5 (130%)	10	72.7	11.63	82.1	12.99	91.6	14.36	101.0	15.71	110.5	17.24	119.9	19.80	125.7	20.58	128.0	20.75
	15	72.7	11.63	82.1	12.99	91.6	15.20	101.0	17.67	110.5	20.42	117.0	22.26	121.4	22.63	123.6	22.81
	21	72.7	13.28	82.1	15.74	91.6	18.45	101.0	21.47	109.7	24.53	111.9	24.72	116.1	25.11	118.3	25.30
	23	72.7	14.13	82.1	16.75	91.6	19.66	101.0	22.87	108.0	25.34	110.2	25.54	114.4	25.94	116.5	26.13
	25	72.7	15.03	82.1	17.81	91.6	20.92	101.0	24.35	106.4	26.16	108.4	26.36	112.6	26.77	114.6	26.97
	27	72.7	15.96	82.1	18.94	91.6	22.25	101.0	25.92	104.6	26.98	106.7	27.19	110.8	27.61	112.9	27.81
	30	72.7	17.46	82.1	20.75	91.6	24.39	100.1	28.13	102.1	28.40	104.1	28.65	108.2	29.18	110.1	29.45
	33	72.7	19.08	82.1	22.71	91.6	27.02	97.6	29.76	99.5	30.03	101.5	30.30	105.4	30.83	107.5	31.09
	35	72.7	20.26	82.1	24.37	91.6	29.03	95.9	30.86	97.8	31.13	99.7	31.39	103.7	31.93	105.6	32.18
	37	72.7	21.71	82.1	26.13	91.6	31.17	94.1	31.94	96.1	32.21	98.0	32.48	101.8	33.02	103.9	33.28
	40	72.7	24.05	82.1	29.00	89.7	33.31	91.6	33.59	93.5	33.86	95.4	34.13	99.2	34.66	101.1	34.93
	43	72.7	26.62	82.1	32.18	87.1	34.95	89.0	35.23	90.9	35.50	92.6	35.77	96.4	36.31	98.3	36.58
	46	72.7	29.47	82.1	35.75	84.5	36.59	86.3	36.87	88.1	37.14	90.0	37.42	93.6	37.97	95.5	38.23
102.0 (120%)	10	67.0	10.82	75.7	12.08	84.4	13.33	93.1	14.59	102.0	15.86	110.7	17.30	123.1	20.39	125.5	20.56
	15	67.0	10.82	75.7	12.08	84.4	13.52	93.1	15.62	102.0	17.94	110.7	20.48	119.1	22.44	121.2	22.61
	21	67.0	11.94	75.7	14.07	84.4	16.40	93.1	18.96	102.0	21.78	109.9	24.53	114.0	24.91	116.1	25.10
	23	67.0	12.71	75.7	14.97	84.4	17.46	93.1	20.20	102.0	23.21	108.2	25.35	112.3	25.74	114.4	25.93
	25	67.0	13.51	75.7	15.92	84.4	18.57	93.1	21.50	102.0	24.71	106.5	26.17	110.6	26.57	112.6	26.77
	27	67.0	14.34	75.7	16.92	84.4	19.74	93.1	22.87	102.0	26.31	104.8	26.99	108.8	27.41	110.8	27.61
	30	67.0	15.68	75.7	18.51	84.4	21.63	93.1	25.08	100.3	28.16	102.3	28.42	106.3	28.94	108.2	29.19
	33	67.0	17.13	75.7	20.24	84.4	23.76	93.1	27.85	97.8	29.80	99.8	30.07	103.7	30.58	105.6	30.85
	35	67.0	18.16	75.7	21.56	84.4	25.49	93.1	29.91	96.2	30.89	98.1	31.16	102.0	31.69	103.9	31.95
	37	67.0	19.33	75.7	23.10	84.4	27.35	92.6	31.72	94.5	31.99	96.4	32.26	100.1	32.79	102.0	33.04
	40	67.0	21.40	75.7	25.61	84.4	30.37	90.1	33.37	92.0	33.63	93.7	33.90	97.5	34.44	99.4	34.70
	43	67.0	23.65	75.7	28.38	84.4	33.72	87.5	35.01	89.4	35.28	91.1	35.55	94.8	36.09	96.7	36.35
	46	67.0	26.14	75.7	31.45	83.2	36.38	85.0	36.66	86.7	36.93	88.5	37.21	92.1	37.75	93.9	38.01
93.5 (110%)	10	61.4	10.02	69.5	11.17	77.4	12.32	85.4	13.47	93.5	14.63	101.4	15.78	117.3	19.11	122.5	20.35
	15	61.4	10.02	69.5	11.17	77.4	12.32	85.4	13.74	93.5	15.68	101.4	17.80	116.4	22.22	118.6	22.39
	21	61.4	10.69	69.5	12.50	77.4	14.49	85.4	16.66	93.5	19.03	101.4	21.62	111.6	24.69	113.6	24.87
	23	61.4	11.36	69.5	13.31	77.4	15.43	85.4	17.74	93.5	20.27	101.4	23.02	109.9	25.52	112.0	25.70
	25	61.4	12.08	69.5	14.14	77.4	16.40	85.4	18.88	93.5	21.57	101.4	24.52	108.2	26.35	110.3	26.54
	27	61.4	12.82	69.5	15.02	77.4	17.43	85.4	20.07	93.5	22.95	101.4	26.10	106.7	27.18	108.6	27.37
	30	61.4	14.01	69.5	16.43	77.4	19.09	85.4	21.99	93.5	25.17	100.3	28.15	104.1	28.65	106.0	28.91
	33	61.4	15.29	69.5	17.95	77.4	20.87	85.4	24.17	93.5	27.96	97.8	29.80	101.6	30.31	103.5	30.56
	35	61.4	16.19	69.5	19.04	77.4	22.28	85.4	25.95	93.5	30.03	96.2	30.89	99.9	31.41	101.8	31.67
	37	61.4	17.15	69.5	20.32	77.4	23.88	85.4	27.84	92.7	31.74	94.5	31.99	98.2	32.52	100.1	32.77
	40	61.4	18.94	69.5	22.50	77.4	26.48	85.4	30.91	90.2	33.38	92.0	33.65	95.6	34.17	97.5	34.43
	43	61.4	20.92	69.5	24.89	77.4	29.35	85.4	34.35	87.7	35.03	89.4	35.30	93.0	35.83	94.9	36.09
	46	61.4	23.08	69.5	27.53	77.4	32.54	83.4	36.41	85.2	36.68	86.9	36.96	90.4	37.49	92.2	37.75

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ∗270LALH

● Capacity : 85.0 kW (30HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
85.0 (100%)	10	55.9	9.21	63.1	10.26	70.4	11.31	77.6	12.35	85.0	13.40	92.2	14.45	106.7	16.54	113.9	18.17
	15	55.9	9.21	63.1	10.26	70.4	11.31	77.6	12.35	85.0	13.61	92.2	15.37	106.7	19.31	113.9	21.52
	21	55.9	9.50	63.1	11.05	70.4	12.73	77.6	14.55	85.0	16.52	92.2	18.65	106.7	23.46	110.8	24.62
	23	55.9	10.11	63.1	11.76	70.4	13.55	77.6	15.49	85.0	17.58	92.2	19.86	106.7	24.99	109.2	25.45
	25	55.9	10.73	63.1	12.49	70.4	14.40	77.6	16.47	85.0	18.71	92.2	21.14	105.7	26.09	107.6	26.28
	27	55.9	11.39	63.1	13.27	70.4	15.30	77.6	17.50	85.0	19.89	92.2	22.49	104.1	26.92	106.0	27.12
	30	55.9	12.42	63.1	14.50	70.4	16.74	77.6	19.16	85.0	21.80	92.2	24.66	101.6	28.33	103.5	28.58
	33	55.9	13.55	63.1	15.82	70.4	18.29	77.6	20.96	85.0	23.95	92.2	27.35	99.2	29.99	101.1	30.24
	35	55.9	14.35	63.1	16.77	70.4	19.39	77.6	22.38	85.0	25.70	92.2	29.37	97.6	31.09	99.4	31.35
	37	55.9	15.19	63.1	17.77	70.4	20.72	77.6	23.98	85.0	27.57	92.2	31.53	96.0	32.21	97.8	32.46
	40	55.9	16.66	63.1	19.65	70.4	22.95	77.6	26.59	85.0	30.62	89.9	33.35	93.5	33.86	95.3	34.12
	43	55.9	18.38	63.1	21.72	70.4	25.39	77.6	29.48	85.0	34.01	87.5	35.01	91.0	35.53	92.8	35.79
	46	55.9	20.25	63.1	23.97	70.4	28.10	77.6	32.69	83.3	36.41	85.0	36.67	88.5	37.19	90.2	37.46
76.5 (90%)	10	50.2	8.40	56.8	9.34	63.3	10.29	69.9	11.23	76.5	12.17	82.9	13.12	96.0	15.01	102.6	15.95
	15	50.2	8.40	56.8	9.34	63.3	10.29	69.9	11.23	76.5	12.17	82.9	13.16	96.0	16.35	102.6	18.12
	21	50.2	8.56	56.8	9.70	63.3	11.10	69.9	12.61	76.5	14.24	82.9	15.97	96.0	19.85	102.6	22.01
	23	50.2	8.92	56.8	10.31	63.3	11.81	69.9	13.42	76.5	15.15	82.9	17.00	96.0	21.14	102.6	23.45
	25	50.2	9.46	56.8	10.95	63.3	12.55	69.9	14.27	76.5	16.11	82.9	18.09	96.0	22.51	102.6	24.97
	27	50.2	10.04	56.8	11.62	63.3	13.32	69.9	15.15	76.5	17.12	82.9	19.23	96.0	23.95	102.6	26.59
	30	50.2	10.95	56.8	12.69	63.3	14.55	69.9	16.57	76.5	18.73	82.9	21.06	96.0	26.27	100.7	28.20
	33	50.2	11.93	56.8	13.83	63.3	15.89	69.9	18.11	76.5	20.49	82.9	23.09	96.0	29.29	98.3	29.87
	35	50.2	12.62	56.8	14.65	63.3	16.84	69.9	19.20	76.4	21.84	82.9	24.77	95.0	30.73	96.7	30.97
	37	50.2	13.35	56.8	15.51	63.3	17.85	69.9	20.52	76.5	23.41	82.9	26.56	93.4	31.83	95.2	32.08
	40	50.2	14.54	56.8	17.03	63.3	19.74	69.9	22.71	76.5	25.94	82.9	29.49	91.1	33.50	92.8	33.76
	43	50.2	16.02	56.8	18.80	63.3	21.82	69.9	25.12	76.5	28.75	82.9	32.73	88.6	35.17	90.3	35.43
	46	50.2	17.64	56.8	20.72	63.3	24.09	69.9	27.80	76.5	31.87	82.9	36.33	86.2	36.85	87.9	37.10
68.0 (80%)	10	44.6	7.59	50.4	8.43	56.3	9.27	62.1	10.11	68.0	10.95	73.7	11.79	85.4	13.46	91.2	14.30
	15	44.6	7.59	50.4	8.43	56.3	9.27	62.1	10.11	68.0	10.95	73.7	11.79	85.4	13.72	91.2	15.11
	21	44.6	7.75	50.4	8.60	56.3	9.59	62.1	10.83	68.0	12.15	73.7	13.55	85.4	16.64	91.2	18.34
	23	44.6	8.04	50.4	8.97	56.3	10.20	62.1	11.52	68.0	12.92	73.7	14.42	85.4	17.72	91.2	19.53
	25	44.6	8.34	50.4	9.51	56.3	10.83	62.1	12.24	68.0	13.74	73.7	15.33	85.4	18.86	91.2	20.79
	27	44.6	8.77	50.4	10.09	56.3	11.50	62.1	13.00	68.0	14.59	73.7	16.29	85.4	20.05	91.2	22.11
	30	44.6	9.56	50.4	11.01	56.3	12.55	62.1	14.19	68.0	15.95	73.7	17.82	85.4	21.96	91.2	24.25
	33	44.6	10.39	50.4	11.98	56.3	13.68	62.1	15.49	68.0	17.42	73.7	19.48	85.4	24.14	91.2	26.84
	35	44.6	10.99	50.4	12.68	56.3	14.49	62.1	16.41	68.0	18.47	73.7	20.71	85.4	25.91	91.2	28.83
	37	44.6	11.62	50.4	13.41	56.3	15.34	62.1	17.38	68.0	19.69	73.7	22.18	85.4	27.80	91.2	30.95
	40	44.6	12.61	50.4	14.63	56.3	16.83	62.1	19.22	68.0	21.79	73.7	24.58	85.4	30.87	89.8	33.32
	43	44.6	13.84	50.4	16.11	56.3	18.57	62.1	21.23	68.0	24.10	73.7	27.21	85.4	34.30	87.5	35.01
	46	44.6	15.21	50.4	17.73	56.3	20.47	62.1	23.43	68.0	26.65	73.7	30.15	83.5	36.43	85.2	36.68
59.5 (70%)	10	39.1	6.79	44.2	7.52	49.3	8.26	54.4	8.99	59.5	9.72	64.4	10.46	74.6	11.92	79.7	12.66
	15	39.1	6.79	44.2	7.52	49.3	8.26	54.4	8.99	59.5	9.72	64.4	10.46	74.6	11.92	79.7	12.66
	21	39.1	6.92	44.2	7.66	49.3	8.42	54.4	9.19	59.5	10.25	64.4	11.36	74.6	13.79	79.7	15.11
	23	39.1	7.17	44.2	7.96	49.3	8.74	54.4	9.77	59.5	10.89	64.4	12.08	74.6	14.67	79.7	16.08
	25	39.1	7.44	44.2	8.26	49.3	9.24	54.4	10.38	59.5	11.57	64.4	12.84	74.6	15.60	79.7	17.10
	27	39.1	7.71	44.2	8.66	49.3	9.80	54.4	11.01	59.5	12.29	64.4	13.63	74.6	16.58	79.7	18.17
	30	39.1	8.25	44.2	9.44	49.3	10.69	54.4	12.02	59.5	13.42	64.4	14.91	74.6	18.14	79.7	19.90
	33	39.1	8.96	44.2	10.26	49.3	11.64	54.4	13.10	59.5	14.64	64.4	16.27	74.6	19.84	79.7	21.77
	35	39.1	9.47	44.2	10.85	49.3	12.31	54.4	13.86	59.5	15.51	64.4	17.24	74.6	21.10	79.7	23.30
	37	39.1	9.99	44.2	11.47	49.3	13.03	54.4	14.67	59.5	16.42	64.4	18.32	74.6	22.61	79.7	24.99
	40	39.1	10.84	44.2	12.45	49.3	14.18	54.4	16.07	59.5	18.10	64.4	20.26	74.6	25.06	79.7	27.72
	43	39.1	11.81	44.2	13.65	49.3	15.62	54.4	17.72	59.5	19.97	64.4	22.38	74.6	27.75	79.7	30.74
	46	39.1	12.97	44.2	15.00	49.3	17.19	54.4	19.52	59.5	22.03	64.4	24.72	74.6	30.74	79.7	34.12
51.0 (60%)	10	33.4	5.98	37.8	6.61	42.1	7.24	46.5	7.87	51.0	8.49	55.3	9.12	64.0	10.38	68.4	11.02
	15	33.4	5.98	37.8	6.61	42.1	7.24	46.5	7.87	51.0	8.49	55.3	9.12	64.0	10.38	68.4	11.02
	21	33.4	6.09	37.8	6.74	42.1	7.37	46.5	8.02	51.0	8.67	55.3	9.39	64.0	11.25	68.4	12.25
	23	33.4	6.31	37.8	6.99	42.1	7.66	46.5	8.33	51.0	9.06	55.3	9.98	64.0	11.96	68.4	13.04
	25	33.4	6.54	37.8	7.24	42.1	7.95	46.5	8.68	51.0	9.60	55.3	10.60	64.0	12.71	68.4	13.85
	27	33.4	6.78	37.8	7.51	42.1	8.24	46.5	9.19	51.0	10.19	55.3	11.24	64.0	13.50	68.4	14.72
	30	33.4	7.14	37.8	7.97	42.1	8.97	46.5	10.02	51.0	11.12	55.3	12.27	64.0	14.75	68.4	16.09
	33	33.4	7.62	37.8	8.66	42.1	9.76	46.5	10.90	51.0	12.11	55.3	13.37	64.0	16.10	68.4	17.57
	35	33.4	8.04	37.8	9.14	42.1	10.30	46.5	11.53	51.0	12.81	55.3	14.16	64.0	17.07	68.4	18.63
	37	33.4	8.47	37.8	9.65	42.1	10.89	46.5	12.19	51.0	13.55	55.3	14.99	64.0	18.12	68.4	19.87
	40	33.4	9.18	37.8	10.46	42.1	11.82	46.5	13.24	51.0	14.78	55.3	16.44	64.0	20.03	68.4	21.99
	43	33.4	9.93	37.8	11.38	42.1	12.93	46.5	14.56	51.0	16.29	55.3	18.13	64.0	22.13	68.4	24.33
	46	33.4	10.87	37.8	12.48	42.1	14.20	46.5	16.01	51.0	17.93	55.3	19.98	64.0	24.45	68.4	26.90
42.5 (50%)	10	27.9	5.17	31.5	5.69	35.1	6.22	38.7	6.74	42.5	7.27	46.1	7.79	53.3	8.85	56.9	9.37
	15	27.9	5.17	31.5	5.69	35.1	6.22	38.7	6.74	42.5	7.27	46.1	7.79	53.3	8.85	56.9	9.37
	21	27.9	5.26	31.5	5.80	35.1	6.34	38.7	6.87	42.5	7.41	46.1	7.95	53.3	9.01	56.9	9.73
	23	27.9	5.45	31.5	6.01	35.1	6.57	38.7	7.13	42.5	7.69	46.1	8.25	53.3	9.55	56.9	10.34
	25	27.9	5.64	31.5	6.23	35.1	6.81	38.7	7.39	42.5	7.98	46.1	8.57	53.3	10.14	56.9	10.98
	27	27.9	5.84	31.5	6.45	35.1	7.06	38.7	7.66	42.5	8.28	46.1	9.08	53.3	10.76	56.9	11.66
	30	27.9	6.14	31.5	6.79	35.1	7.44	38.7	8.19	42.5	9.02	46.1	9.89	53.3	11.75	56.9	12.73
	33	27.9	6.45	31.5	7.16	35.1	8.01	38.7	8.89	42.5	9.81	46.1	10.77	53.3	12.80	56.9	13.88
	35	27.9	6.69	31.5	7.55	35.1	8.46	38.7	9.39	42.5	10.37	46.1	11.38	53.3	13.55	56.9	14.69
	37	27.9	7.05	31.5	7.97	35.1	8.92	38.7	9.92	42.5	10.95	46.1	12.03	53.3	14.33	56.9	15.56
	40	27.9	7.61	31.5	8.62	35.1	9.66	38.7	10.75	42.5	11.89	46.1	13.08	53.3	15.68	56.9	17.09
	43	27.9	8.22	31.5	9.32	35.1	10.48	38.7	11.71	42.5	13.01	46.1	14.36	53.3	17.28	56.9	18.85
	46	27.9	8.94	31.5	10.17	35.1	11.48	38.7	12.86	42.5	14.29	46.1	15.80	53.3	19.04	56.9	20.79

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳288LALH

● Capacity : 90.0 kW (32HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
135.0 (150%)	10	88.8	14.54	100.2	16.28	111.8	18.02	123.4	20.70	130.0	22.38	132.6	22.58	137.6	22.96	140.2	23.16
	15	88.8	14.64	100.2	17.58	111.8	20.86	123.0	24.44	125.6	24.64	128.0	24.84	132.8	25.26	135.2	25.46
	21	88.8	17.80	100.2	21.38	111.8	25.38	117.6	27.14	119.8	27.36	122.2	27.58	127.0	28.02	129.2	28.24
	23	88.8	18.96	100.2	22.78	111.8	27.06	115.8	28.04	118.0	28.26	120.4	28.50	125.0	28.94	127.2	29.18
	25	88.8	20.20	100.2	24.26	111.8	28.72	113.8	28.96	116.0	29.18	118.4	29.42	122.8	29.88	125.2	30.10
	27	88.8	21.48	100.2	25.82	109.8	29.62	112.0	29.86	114.2	30.10	116.4	30.32	120.8	30.82	123.0	31.12
	30	88.8	23.54	100.2	28.34	107.0	31.14	109.2	31.44	111.2	31.74	113.4	32.04	117.8	32.64	120.2	32.94
	33	88.8	25.86	100.2	31.56	104.2	32.96	106.2	33.26	108.4	33.56	110.6	33.86	115.0	34.46	117.0	34.76
	35	88.8	27.76	100.2	33.86	102.2	34.16	104.4	34.46	106.6	34.78	108.6	35.08	113.0	35.68	115.0	35.98
	37	88.8	29.80	98.4	35.06	100.4	35.38	102.4	35.68	104.6	35.98	106.6	36.28	111.0	36.88	113.0	37.18
	40	88.8	33.12	95.4	36.88	97.6	37.18	99.6	37.50	101.6	37.80	103.8	38.10	107.8	38.70	110.0	39.00
	43	88.8	36.82	92.6	38.68	94.6	39.00	96.6	39.30	98.6	39.62	100.8	39.92	104.8	40.54	106.8	40.82
	46	87.8	40.18	89.8	40.50	91.8	40.82	93.8	41.12	95.8	41.44	97.8	41.74	101.8	42.36	103.8	42.66
126.0 (140%)	10	82.8	13.66	93.6	15.28	104.4	16.90	115.2	18.52	126.0	21.44	130.6	22.42	135.6	22.80	138.0	23.00
	15	82.8	13.66	93.6	15.84	104.4	18.68	115.2	21.88	123.6	24.48	126.0	24.68	130.8	25.10	133.2	25.30
	21	82.8	16.14	93.6	19.26	104.4	22.74	115.2	26.62	118.2	27.20	120.4	27.42	125.0	27.84	127.4	28.06
	23	82.8	17.18	93.6	20.52	104.4	24.24	114.0	27.88	116.4	28.10	118.6	28.32	123.2	28.78	125.4	29.00
	25	82.8	18.28	93.6	21.84	104.4	25.82	112.2	28.80	114.4	29.02	116.8	29.24	121.2	29.70	123.4	29.92
	27	82.8	19.44	93.6	23.24	104.4	27.48	110.4	29.70	112.6	29.94	114.8	30.16	119.2	30.62	121.4	30.90
	30	82.8	21.30	93.6	25.48	104.4	30.28	107.6	31.24	109.8	31.54	112.0	31.84	116.2	32.42	118.4	32.72
	33	82.8	23.32	93.6	28.16	102.8	32.76	104.8	33.06	107.0	33.36	109.2	33.66	113.4	34.24	115.6	34.54
	35	82.8	24.94	93.6	30.24	101.0	33.98	103.0	34.28	105.2	34.58	107.2	34.88	111.4	35.46	113.6	35.76
	37	82.8	26.74	93.6	32.48	99.2	35.18	101.2	35.48	103.2	35.78	105.2	36.08	109.4	36.68	111.6	36.98
	40	82.8	29.68	93.6	36.14	96.4	37.00	98.4	37.30	100.4	37.60	102.4	37.92	106.4	38.52	108.6	38.80
	43	82.8	32.94	91.6	38.50	93.6	38.82	95.4	39.12	97.4	39.44	99.4	39.74	103.6	40.34	105.6	40.64
	46	82.8	36.58	88.8	40.32	90.6	40.64	92.6	40.94	94.6	41.26	96.6	41.56	100.4	42.16	102.4	42.46
117.0 (130%)	10	77.0	12.76	87.0	14.26	97.0	15.78	107.0	17.28	117.0	18.92	127.0	21.74	133.2	22.62	135.6	22.82
	15	77.0	12.76	87.0	14.26	97.0	16.68	107.0	19.40	117.0	22.44	124.0	24.50	128.6	24.90	131.0	25.10
	21	77.0	14.56	87.0	17.28	97.0	20.28	107.0	23.62	116.2	27.02	118.6	27.24	123.0	27.66	125.4	27.88
	23	77.0	15.50	87.0	18.40	97.0	21.62	107.0	25.18	114.4	27.92	116.8	28.14	121.2	28.58	123.4	28.80
	25	77.0	16.50	87.0	19.58	97.0	23.02	107.0	26.82	112.6	28.84	114.8	29.06	119.2	29.50	121.4	29.72
	27	77.0	17.54	87.0	20.84	97.0	24.50	107.0	28.56	110.8	29.74	113.0	29.98	117.4	30.44	119.6	30.66
	30	77.0	19.20	87.0	22.84	97.0	26.88	106.0	31.02	108.2	31.32	110.2	31.60	114.6	32.18	116.6	32.48
	33	77.0	21.00	87.0	25.02	97.0	29.80	103.4	32.84	105.4	33.14	107.4	33.44	111.6	34.02	113.8	34.30
	35	77.0	22.30	87.0	26.86	97.0	32.04	101.6	34.06	103.6	34.36	105.6	34.64	109.8	35.24	111.8	35.52
	37	77.0	23.92	87.0	28.82	97.0	34.42	99.6	35.26	101.8	35.56	103.8	35.86	107.8	36.46	110.0	36.74
	40	77.0	26.52	87.0	32.02	95.0	36.78	97.0	37.10	99.0	37.40	101.0	37.70	105.0	38.28	107.0	38.58
	43	77.0	29.38	87.0	35.56	92.2	38.62	94.2	38.92	96.2	39.22	98.0	39.52	102.0	40.12	104.0	40.42
	46	77.0	32.56	87.0	39.56	89.4	40.44	91.4	40.74	93.2	41.04	95.2	41.36	99.0	41.96	101.0	42.24
108.0 (120%)	10	71.0	11.86	80.2	13.26	89.4	14.64	98.6	16.04	108.0	17.44	117.2	18.98	130.4	22.42	133.0	22.60
	15	71.0	11.86	80.2	13.26	89.4	14.82	98.6	17.14	108.0	19.70	117.2	22.50	126.2	24.70	128.4	24.88
	21	71.0	13.08	80.2	15.44	89.4	18.02	98.6	20.84	108.0	23.96	116.4	27.02	120.8	27.44	123.0	27.66
	23	71.0	13.94	80.2	16.44	89.4	19.18	98.6	22.22	108.0	25.54	114.6	27.94	119.0	28.36	121.2	28.58
	25	71.0	14.82	80.2	17.48	89.4	20.42	98.6	23.66	108.0	27.22	112.8	28.84	117.2	29.28	119.2	29.50
	27	71.0	15.74	80.2	18.60	89.4	21.72	98.6	25.18	108.0	29.00	111.0	29.76	115.2	30.22	117.4	30.44
	30	71.0	17.22	80.2	20.36	89.4	23.82	98.6	27.64	106.2	31.06	108.4	31.34	112.6	31.92	114.6	32.20
	33	71.0	18.84	80.2	22.28	89.4	26.18	98.6	30.72	103.6	32.88	105.6	33.18	109.8	33.74	111.8	34.04
	35	71.0	19.98	80.2	23.74	89.4	28.10	98.6	33.02	101.8	34.10	103.8	34.40	108.0	34.98	110.0	35.26
	37	71.0	21.28	80.2	25.46	89.4	30.18	98.0	35.02	100.0	35.32	102.0	35.62	106.0	36.20	108.0	36.48
	40	71.0	23.58	80.2	28.26	89.4	33.54	95.4	36.86	97.4	37.14	99.2	37.44	103.2	38.04	105.2	38.32
	43	71.0	26.08	80.2	31.34	89.4	37.28	92.6	38.68	94.6	38.98	96.4	39.28	100.4	39.88	102.4	40.16
	46	71.0	28.86	80.2	34.76	88.0	40.20	90.0	40.52	91.8	40.82	93.6	41.12	97.4	41.72	99.4	42.00
99.0 (110%)	10	65.0	10.98	73.6	12.24	82.0	13.52	90.4	14.80	99.0	16.08	107.4	17.36	124.2	20.98	129.8	22.38
	15	65.0	10.98	73.6	12.24	82.0	13.52	90.4	15.06	99.0	17.20	107.4	19.54	123.4	24.46	125.6	24.64
	21	65.0	11.70	73.6	13.70	82.0	15.90	90.4	18.30	99.0	20.92	107.4	23.78	118.2	27.20	120.4	27.40
	23	65.0	12.44	73.6	14.60	82.0	16.94	90.4	19.50	99.0	22.30	107.4	25.34	116.4	28.12	118.6	28.32
	25	65.0	13.24	73.6	15.52	82.0	18.02	90.4	20.76	99.0	23.74	107.4	27.00	114.6	29.04	116.8	29.26
	27	65.0	14.06	73.6	16.50	82.0	19.16	90.4	22.08	99.0	25.28	107.4	28.76	113.0	29.96	115.0	30.18
	30	65.0	15.38	73.6	18.06	82.0	21.00	90.4	24.22	99.0	27.74	106.2	31.04	110.2	31.60	112.2	31.88
	33	65.0	16.80	73.6	19.74	82.0	22.98	90.4	26.64	99.0	30.84	103.6	32.88	107.6	33.44	109.6	33.72
	35	65.0	17.80	73.6	20.96	82.0	24.54	90.4	28.62	99.0	33.14	101.8	34.10	105.8	34.66	107.8	34.96
	37	65.0	18.86	73.6	22.38	82.0	26.32	90.4	30.72	98.2	35.04	100.0	35.32	104.0	35.90	106.0	36.18
	40	65.0	20.86	73.6	24.80	82.0	29.22	90.4	34.14	95.4	36.86	97.4	37.16	101.2	37.74	103.2	38.02
	43	65.0	23.06	73.6	27.46	82.0	32.42	90.4	37.98	92.8	38.70	94.6	39.00	98.4	39.58	100.4	39.88
	46	65.0	25.46	73.6	30.40	82.0	35.98	88.2	40.24	90.2	40.54	92.0	40.84	95.6	41.44	97.6	41.72

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳288LALH

● Capacity : 90.0 kW (32HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90.0 (100%)	10	59.2	10.08	66.8	11.24	74.6	12.40	82.2	13.56	90.0	14.72	97.6	15.88	113.0	18.20	120.6	19.94
	15	59.2	10.08	66.8	11.24	74.6	12.40	82.2	13.56	90.0	14.92	97.6	16.86	113.0	21.22	120.6	23.66
	21	59.2	10.38	66.8	12.10	74.6	13.96	82.2	15.96	90.0	18.14	97.6	20.50	113.0	25.82	117.4	27.12
	23	59.2	11.06	66.8	12.88	74.6	14.86	82.2	17.00	90.0	19.32	97.6	21.84	113.0	27.52	115.6	28.04
	25	59.2	11.74	66.8	13.70	74.6	15.80	82.2	18.10	90.0	20.58	97.6	23.26	112.0	28.76	114.0	28.96
	27	59.2	12.48	66.8	14.56	74.6	16.80	82.2	19.24	90.0	21.88	97.6	24.76	110.2	29.68	112.2	29.90
	30	59.2	13.62	66.8	15.92	74.6	18.40	82.2	21.08	90.0	24.00	97.6	27.18	107.6	31.24	109.6	31.52
	33	59.2	14.88	66.8	17.38	74.6	20.12	82.2	23.08	90.0	26.40	97.6	30.16	105.0	33.10	107.0	33.36
	35	59.2	15.76	66.8	18.44	74.6	21.34	82.2	24.66	90.0	28.34	97.6	32.42	103.4	34.32	105.2	34.60
	37	59.2	16.70	66.8	19.56	74.6	22.82	82.2	26.44	90.0	30.42	97.6	34.82	101.6	35.56	103.6	35.84
	40	59.2	18.32	66.8	21.64	74.6	25.30	82.2	29.34	90.0	33.82	95.2	36.84	99.0	37.40	100.8	37.68
	43	59.2	20.24	66.8	23.94	74.6	28.02	82.2	32.56	90.0	37.60	92.6	38.68	96.4	39.26	98.2	39.54
	46	59.2	22.32	66.8	26.44	74.6	31.04	82.2	36.14	88.2	40.24	90.0	40.52	93.6	41.10	95.4	41.40
81.0 (90%)	10	53.2	9.18	60.2	10.22	67.0	11.28	74.0	12.32	81.0	13.36	87.8	14.40	101.6	16.50	108.6	17.54
	15	53.2	9.18	60.2	10.22	67.0	11.28	74.0	12.32	81.0	13.36	87.8	14.42	101.6	17.94	108.6	19.90
	21	53.2	9.36	60.2	10.60	67.0	12.16	74.0	13.82	81.0	15.62	87.8	17.54	101.6	21.82	108.6	24.22
	23	53.2	9.74	60.2	11.28	67.0	12.94	74.0	14.72	81.0	16.64	87.8	18.68	101.6	23.26	108.6	25.82
	25	53.2	10.34	60.2	12.00	67.0	13.76	74.0	15.66	81.0	17.70	87.8	19.88	101.6	24.78	108.6	27.50
	27	53.2	10.98	60.2	12.74	67.0	14.62	74.0	16.64	81.0	18.82	87.8	21.16	101.6	26.38	108.6	29.30
	30	53.2	12.00	60.2	13.92	67.0	15.98	74.0	18.22	81.0	20.60	87.8	23.18	101.6	28.96	106.6	31.10
	33	53.2	13.08	60.2	15.18	67.0	17.46	74.0	19.92	81.0	22.56	87.8	25.44	101.6	32.32	104.0	32.96
	35	53.2	13.84	60.2	16.10	67.0	18.52	74.0	21.14	80.8	24.06	87.8	27.30	100.6	33.92	102.4	34.18
	37	53.2	14.66	60.2	17.04	67.0	19.64	74.0	22.60	81.0	25.80	87.8	29.30	98.8	35.14	100.8	35.42
	40	53.2	15.98	60.2	18.74	67.0	21.74	74.0	25.04	81.0	28.62	87.8	32.56	96.4	37.00	98.2	37.28
	43	53.2	17.62	60.2	20.70	67.0	24.06	74.0	27.72	81.0	31.76	87.8	36.18	93.8	38.86	95.6	39.14
	46	53.2	19.42	60.2	22.84	67.0	26.58	74.0	30.70	81.0	35.24	87.8	40.16	91.2	40.72	93.0	41.00
72.0 (80%)	10	47.2	8.28	53.4	9.22	59.6	10.14	65.8	11.08	72.0	12.00	78.0	12.94	90.4	14.78	96.6	15.72
	15	47.2	8.28	53.4	9.22	59.6	10.14	65.8	11.08	72.0	12.00	78.0	12.94	90.4	15.04	96.6	16.58
	21	47.2	8.46	53.4	9.40	59.6	10.48	65.8	11.86	72.0	13.32	78.0	14.86	90.4	18.28	96.6	20.16
	23	47.2	8.78	53.4	9.80	59.6	11.16	65.8	12.62	72.0	14.16	78.0	15.82	90.4	19.48	96.6	21.48
	25	47.2	9.12	53.4	10.40	59.6	11.86	65.8	13.42	72.0	15.08	78.0	16.84	90.4	20.74	96.6	22.88
	27	47.2	9.58	53.4	11.04	59.6	12.60	65.8	14.26	72.0	16.02	78.0	17.90	90.4	22.06	96.6	24.34
	30	47.2	10.46	53.4	12.06	59.6	13.76	65.8	15.58	72.0	17.52	78.0	19.60	90.4	24.18	96.6	26.72
	33	47.2	11.38	53.4	13.14	59.6	15.02	65.8	17.02	72.0	19.16	78.0	21.44	90.4	26.60	96.6	29.60
	35	47.2	12.04	53.4	13.92	59.6	15.92	65.8	18.04	72.0	20.32	78.0	22.80	90.4	28.58	96.6	31.82
	37	47.2	12.74	53.4	14.72	59.6	16.86	65.8	19.12	72.0	21.68	78.0	24.44	90.4	30.68	96.6	34.18
	40	47.2	13.84	53.4	16.08	59.6	18.52	65.8	21.16	72.0	24.02	78.0	27.12	90.4	34.10	95.0	36.80
	43	47.2	15.20	53.4	17.72	59.6	20.44	65.8	23.40	72.0	26.58	78.0	30.04	90.4	37.92	92.6	38.68
	46	47.2	16.72	53.4	19.52	59.6	22.56	65.8	25.84	72.0	29.42	78.0	33.32	88.4	40.26	90.2	40.54
63.0 (70%)	10	41.4	7.40	46.8	8.20	52.2	9.02	57.6	9.84	63.0	10.64	68.2	11.46	79.0	13.08	84.4	13.90
	15	41.4	7.40	46.8	8.20	52.2	9.02	57.6	9.84	63.0	10.64	68.2	11.46	79.0	13.08	84.4	13.90
	21	41.4	7.54	46.8	8.36	52.2	9.20	57.6	10.04	63.0	11.22	68.2	12.44	79.0	15.12	84.4	16.58
	23	41.4	7.82	46.8	8.70	52.2	9.56	57.6	10.68	63.0	11.92	68.2	13.24	79.0	16.10	84.4	17.66
	25	41.4	8.12	46.8	9.02	52.2	10.10	57.6	11.36	63.0	12.68	68.2	14.08	79.0	17.14	84.4	18.80
	27	41.4	8.42	46.8	9.46	52.2	10.72	57.6	12.06	63.0	13.48	68.2	14.96	79.0	18.22	84.4	19.98
	30	41.4	9.00	46.8	10.32	52.2	11.70	57.6	13.18	63.0	14.72	68.2	16.38	79.0	19.96	84.4	21.90
	33	41.4	9.80	46.8	11.24	52.2	12.76	57.6	14.38	63.0	16.08	68.2	17.88	79.0	21.84	84.4	23.98
	35	41.4	10.36	46.8	11.88	52.2	13.50	57.6	15.22	63.0	17.04	68.2	18.96	79.0	23.24	84.4	25.68
	37	41.4	10.94	46.8	12.58	52.2	14.30	57.6	16.12	63.0	18.06	68.2	20.16	79.0	24.92	84.4	27.56
	40	41.4	11.88	46.8	13.66	52.2	15.58	57.6	17.68	63.0	19.92	68.2	22.32	79.0	27.64	84.4	30.60
	43	41.4	12.96	46.8	15.00	52.2	17.18	57.6	19.50	63.0	22.00	68.2	24.68	79.0	30.64	84.4	33.96
	46	41.4	14.24	46.8	16.50	52.2	18.92	57.6	21.50	63.0	24.30	68.2	27.28	79.0	33.98	84.4	37.74
54.0 (60%)	10	35.4	6.50	40.0	7.20	44.6	7.90	49.2	8.60	54.0	9.28	58.6	9.98	67.8	11.38	72.4	12.08
	15	35.4	6.50	40.0	7.20	44.6	7.90	49.2	8.60	54.0	9.28	58.6	9.98	67.8	11.38	72.4	12.08
	21	35.4	6.62	40.0	7.34	44.6	8.04	49.2	8.76	54.0	9.48	58.6	10.26	67.8	12.32	72.4	13.42
	23	35.4	6.86	40.0	7.62	44.6	8.36	49.2	9.10	54.0	9.90	58.6	10.92	67.8	13.10	72.4	14.30
	25	35.4	7.12	40.0	7.90	44.6	8.68	49.2	9.48	54.0	10.50	58.6	11.60	67.8	13.94	72.4	15.20
	27	35.4	7.38	40.0	8.20	44.6	9.00	49.2	10.04	54.0	11.16	58.6	12.32	67.8	14.82	72.4	16.16
	30	35.4	7.78	40.0	8.70	44.6	9.80	49.2	10.96	54.0	12.18	58.6	13.46	67.8	16.20	72.4	17.68
	33	35.4	8.32	40.0	9.46	44.6	10.68	49.2	11.94	54.0	13.28	58.6	14.68	67.8	17.70	72.4	19.32
	35	35.4	8.78	40.0	10.00	44.6	11.28	49.2	12.64	54.0	14.06	58.6	15.56	67.8	18.78	72.4	20.50
	37	35.4	9.26	40.0	10.56	44.6	11.94	49.2	13.38	54.0	14.88	58.6	16.48	67.8	19.94	72.4	21.88
	40	35.4	10.04	40.0	11.46	44.6	12.96	49.2	14.54	54.0	16.24	58.6	18.08	67.8	22.06	72.4	24.24
	43	35.4	10.88	40.0	12.48	44.6	14.20	49.2	16.00	54.0	17.92	58.6	19.96	67.8	24.40	72.4	26.84
	46	35.4	11.92	40.0	13.70	44.6	15.60	49.2	17.62	54.0	19.74	58.6	22.02	67.8	26.98	72.4	29.70
45.0 (50%)	10	29.6	5.60	33.4	6.18	37.2	6.76	41.0	7.34	45.0	7.92	48.8	8.50	56.4	9.68	60.2	10.26
	15	29.6	5.60	33.4	6.18	37.2	6.76	41.0	7.34	45.0	7.92	48.8	8.50	56.4	9.68	60.2	10.26
	21	29.6	5.70	33.4	6.30	37.2	6.90	41.0	7.48	45.0	8.08	48.8	8.68	56.4	9.86	60.2	10.64
	23	29.6	5.92	33.4	6.54	37.2	7.16	41.0	7.78	45.0	8.40	48.8	9.02	56.4	10.44	60.2	11.32
	25	29.6	6.12	33.4	6.78	37.2	7.42	41.0	8.06	45.0	8.72	48.8	9.36	56.4	11.10	60.2	12.02
	27	29.6	6.34	33.4	7.02	37.2	7.70	41.0	8.36	45.0	9.04	48.8	9.92	56.4	11.78	60.2	12.78
	30	29.6	6.68	33.4	7.40	37.2	8.12	41.0	8.94	45.0	9.86	48.8	10.82	56.4	12.88	60.2	13.96
	33	29.6	7.02	33.4	7.80	37.2	8.74	41.0	9.72	45.0	10.74	48.8	11.80	56.4	14.04	60.2	15.24
	35	29.6	7.28	33.4	8.24	37.2	9.24	41.0	10.28	45.0	11.36	48.8	12.48	56.4	14.88	60.2	16.14
	37	29.6	7.68	33.4	8.70	37.2	9.76	41.0	10.86	45.0	12.00	48.8	13.20	56.4	15.74	60.2	17.10
	40	29.6	8.30	33.4	9.42	37.2	10.58	41.0	11.78	45.0	13.04	48.8	14.36	56.4	17.24	60.2	18.80
	43	29.6	8.98	33.4	10.20	37.2	11.48	41.0	12.84	45.0	14.28	48.8	15.78	56.4	19.02	60.2	20.76
	46	29.6	9.78	33.4	11.14	37.2	12.60	41.0	14.12	45.0	15.70	48.8	17.38	56.4	20.98	60.2	22.92

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳306LALH

● Capacity : 95.0 kW (34HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
142.5 (150%)	10	93.6	13.90	105.8	15.55	118.0	17.19	130.2	19.89	137.0	21.41	139.8	21.61	145.1	21.98	147.7	22.17
	15	93.6	14.07	105.8	16.86	118.0	20.00	129.6	23.35	132.2	23.54	134.9	23.74	140.0	24.14	142.6	24.33
	21	93.6	17.05	105.8	20.45	118.0	24.25	123.9	25.88	126.4	26.10	128.8	26.30	133.8	26.72	136.1	26.94
	23	93.6	18.15	105.8	21.77	118.0	25.85	121.9	26.72	124.5	26.95	126.8	27.17	131.6	27.59	134.1	27.82
	25	93.6	19.30	105.8	23.15	117.7	27.37	120.0	27.59	122.5	27.81	124.8	28.02	129.6	28.46	131.9	28.69
	27	93.6	20.51	105.8	24.64	115.7	28.21	118.0	28.44	120.5	28.66	122.8	28.89	127.3	29.37	129.8	29.65
	30	93.6	22.47	105.8	27.00	112.8	29.64	115.1	29.93	117.4	30.23	119.7	30.51	124.4	31.08	126.7	31.36
	33	93.6	24.64	105.8	30.03	110.0	31.35	112.0	31.64	114.3	31.92	116.6	32.20	121.3	32.79	123.6	33.07
	35	93.6	26.43	105.8	32.17	108.0	32.48	110.1	32.76	112.3	33.05	114.6	33.35	119.1	33.91	121.4	34.20
	37	93.6	28.32	103.8	33.32	106.0	33.60	108.1	33.91	110.3	34.19	112.6	34.48	117.1	35.06	119.4	35.34
	40	93.6	31.43	100.9	35.01	103.0	35.31	105.2	35.60	107.2	35.90	109.5	36.19	114.0	36.75	116.0	37.06
	43	93.6	34.86	97.9	36.72	100.1	37.00	102.1	37.31	104.3	37.59	106.4	37.90	110.6	38.47	112.9	38.75
	46	92.8	38.10	95.0	38.41	97.0	38.71	99.0	39.00	101.2	39.31	103.2	39.59	107.5	40.18	109.7	40.46
133.0 (140%)	10	87.3	13.05	98.7	14.60	110.0	16.12	121.4	17.73	132.9	20.60	137.5	21.47	142.9	21.83	145.4	22.00
	15	87.3	13.05	98.7	15.20	110.0	17.93	121.4	20.96	130.4	23.38	132.7	23.58	137.8	23.97	140.4	24.17
	21	87.3	15.47	98.7	18.43	110.0	21.75	121.4	25.43	124.5	25.94	127.0	26.16	131.9	26.56	134.4	26.78
	23	87.3	16.46	98.7	19.61	110.0	23.15	120.2	26.58	122.7	26.80	125.0	27.00	129.9	27.43	132.2	27.65
	25	87.3	17.50	98.7	20.87	110.0	24.64	118.3	27.43	120.8	27.65	123.1	27.87	127.8	28.30	130.1	28.52
	27	87.3	18.59	98.7	22.19	110.0	26.21	116.5	28.29	118.8	28.51	121.1	28.72	125.6	29.17	127.9	29.45
	30	87.3	20.34	98.7	24.30	110.0	28.83	113.5	29.75	115.7	30.03	118.0	30.31	122.7	30.88	125.0	31.16
	33	87.3	22.25	98.7	26.80	108.4	31.16	110.6	31.44	112.9	31.72	115.1	32.01	119.7	32.59	121.9	32.87
	35	87.3	23.76	98.7	28.77	106.6	32.29	108.6	32.59	110.9	32.87	113.1	33.15	117.7	33.72	119.9	34.00
	37	87.3	25.45	98.7	30.85	104.6	33.43	106.9	33.72	108.9	34.00	111.2	34.28	115.4	34.87	117.7	35.15
	40	87.3	28.20	98.7	34.27	101.8	35.12	103.8	35.43	106.0	35.71	108.1	35.99	112.3	36.58	114.6	36.86
	43	87.3	31.24	96.7	36.53	98.7	36.83	100.9	37.12	102.9	37.42	105.0	37.71	109.2	38.29	111.4	38.57
	46	87.3	34.63	93.8	38.24	95.8	38.54	97.8	38.83	99.9	39.14	102.1	39.42	106.1	40.01	108.3	40.29
123.5 (130%)	10	81.1	12.21	91.6	13.64	102.3	15.05	112.8	16.49	123.4	18.18	133.9	20.88	140.3	21.66	142.9	21.83
	15	81.1	12.21	91.6	13.65	102.3	16.01	112.8	18.60	123.4	21.50	130.7	23.41	135.5	23.80	138.1	23.99
	21	81.1	13.96	91.6	16.55	102.3	19.41	112.8	22.59	122.5	25.77	125.0	25.96	129.8	26.38	132.1	26.58
	23	81.1	14.86	91.6	17.61	102.3	20.65	112.8	24.05	120.8	26.61	123.1	26.83	127.8	27.25	130.1	27.45
	25	81.1	15.79	91.6	18.73	102.3	21.97	112.8	25.60	118.8	27.48	121.1	27.68	125.9	28.12	128.1	28.32
	27	81.1	16.77	91.6	19.89	102.3	23.38	112.8	27.23	116.9	28.32	119.1	28.55	123.7	28.99	125.9	29.20
	30	81.1	18.34	91.6	21.80	102.3	25.62	111.8	29.53	114.0	29.81	116.3	30.09	120.8	30.63	123.1	30.91
	33	81.1	20.05	91.6	23.85	102.3	28.37	109.1	31.24	111.2	31.52	113.4	31.80	117.9	32.36	120.0	32.62
	35	81.1	21.27	91.6	25.57	102.3	30.45	107.2	32.37	109.2	32.65	111.5	32.93	115.9	33.49	118.0	33.77
	37	81.1	22.78	91.6	27.42	102.3	32.67	105.2	33.52	107.4	33.80	109.5	34.08	113.7	34.64	116.0	34.92
	40	81.1	25.22	91.6	30.40	100.4	34.92	102.4	35.23	104.4	35.51	106.6	35.79	110.9	36.36	112.9	36.64
	43	81.1	27.89	91.6	33.71	97.3	36.64	99.5	36.92	101.5	37.22	103.5	37.51	107.8	38.07	109.8	38.35
	46	81.1	30.87	91.6	37.41	94.5	38.35	96.4	38.63	98.4	38.94	100.6	39.22	104.7	39.79	106.7	40.07
114.0 (120%)	10	74.9	11.36	84.5	12.66	94.4	13.99	104.1	15.31	114.0	16.63	123.6	18.23	137.5	21.46	140.1	21.64
	15	74.9	11.36	84.5	12.66	94.4	14.22	104.1	16.44	114.0	18.88	123.6	21.56	133.0	23.60	135.3	23.77
	21	74.9	12.55	84.5	14.80	94.4	17.25	104.1	19.95	114.0	22.90	122.7	25.77	127.3	26.18	129.6	26.38
	23	74.9	13.36	84.5	15.73	94.4	18.35	104.1	21.24	114.0	24.39	120.8	26.63	125.4	27.03	127.6	27.25
	25	74.9	14.18	84.5	16.74	94.4	19.52	104.1	22.59	114.0	25.97	119.1	27.48	123.6	27.90	125.9	28.12
	27	74.9	15.08	84.5	17.78	94.4	20.76	104.1	24.02	114.0	27.65	117.1	28.35	121.6	28.77	123.9	28.99
	30	74.9	16.46	84.5	19.44	94.4	22.73	104.1	26.33	112.0	29.56	114.3	29.84	118.8	30.38	120.8	30.65
	33	74.9	17.98	84.5	21.26	94.4	24.95	104.1	29.22	109.4	31.27	111.5	31.55	115.7	32.09	118.0	32.37
	35	74.9	19.07	84.5	22.64	94.4	26.75	104.1	31.38	107.5	32.42	109.5	32.70	114.0	33.24	116.0	33.52
	37	74.9	20.28	84.5	24.24	94.4	28.68	103.5	33.27	105.5	33.55	107.7	33.83	112.0	34.39	114.0	34.67
	40	74.9	22.44	84.5	26.86	94.4	31.83	100.7	34.98	102.7	35.26	104.9	35.55	108.9	36.11	111.1	36.39
	43	74.9	24.80	84.5	29.72	94.4	35.31	97.8	36.70	99.8	37.00	101.8	37.28	106.0	37.84	108.0	38.12
	46	74.9	27.39	84.5	32.92	93.0	38.13	95.0	38.43	97.0	38.71	99.0	39.00	103.0	39.56	105.0	39.84
104.5 (110%)	10	68.6	10.50	77.7	11.71	86.5	12.92	95.5	14.15	104.4	15.36	113.2	16.56	131.0	20.15	136.7	21.41
	15	68.6	10.50	77.7	11.71	86.5	12.92	95.5	14.46	104.4	16.52	113.2	18.74	129.9	23.37	132.4	23.55
	21	68.6	11.23	77.7	13.14	86.5	15.25	95.5	17.53	104.4	20.01	113.2	22.73	124.5	25.94	127.0	26.13
	23	68.6	11.94	77.7	13.99	86.5	16.21	95.5	18.65	104.4	21.30	113.2	24.22	122.8	26.80	125.0	27.00
	25	68.6	12.69	77.7	14.86	86.5	17.25	95.5	19.84	104.4	22.67	113.2	25.77	121.0	27.67	123.1	27.87
	27	68.6	13.47	77.7	15.79	86.5	18.32	95.5	21.10	104.4	24.11	113.2	27.42	119.1	28.54	121.3	28.74
	30	68.6	14.71	77.7	17.27	86.5	20.05	95.5	23.09	104.4	26.44	112.0	29.56	116.3	30.09	118.5	30.35
	33	68.6	16.04	77.7	18.85	86.5	21.91	95.5	25.37	104.4	29.33	109.2	31.27	113.4	31.81	115.7	32.08
	35	68.6	16.99	77.7	20.00	86.5	23.40	95.5	27.22	104.4	31.50	107.5	32.42	111.7	32.96	113.7	33.24
	37	68.6	18.00	77.7	21.34	86.5	25.06	95.5	29.19	103.5	33.29	105.5	33.55	109.7	34.11	111.8	34.39
	40	68.6	19.88	77.7	23.60	86.5	27.76	95.5	32.39	100.9	35.01	102.9	35.29	106.9	35.83	108.9	36.11
	43	68.6	21.94	77.7	26.10	86.5	30.76	95.5	35.96	98.1	36.72	100.1	37.00	104.1	37.56	106.0	37.84
	46	68.6	24.21	77.7	28.85	86.5	34.07	93.3	38.16	95.3	38.46	97.2	38.74	101.2	39.30	103.0	39.58

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳306LALH

● Capacity : 95.0 kW (34HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
95.0 (100%)	10	62.4	9.65	70.6	10.75	78.6	11.87	86.8	12.97	95.0	14.06	102.9	15.16	119.1	17.36	127.3	19.16
	15	62.4	9.65	70.6	10.75	78.6	11.87	86.8	12.97	95.0	14.33	102.9	16.18	119.1	20.32	127.3	22.65
	21	62.4	9.99	70.6	11.62	78.6	13.39	86.8	15.31	95.0	17.39	102.9	19.61	119.1	24.67	123.7	25.87
	23	62.4	10.61	70.6	12.35	78.6	14.24	86.8	16.29	95.0	18.49	102.9	20.88	119.1	26.27	121.9	26.72
	25	62.4	11.28	70.6	13.14	78.6	15.14	86.8	17.31	95.0	19.67	102.9	22.22	118.0	27.40	120.2	27.59
	27	62.4	11.96	70.6	13.93	78.6	16.07	86.8	18.40	95.0	20.90	102.9	23.63	116.2	28.26	118.3	28.46
	30	62.4	13.05	70.6	15.22	78.6	17.58	86.8	20.12	95.0	22.90	102.9	25.90	113.5	29.75	115.7	30.01
	33	62.4	14.23	70.6	16.62	78.6	19.21	86.8	22.00	95.0	25.14	102.9	28.71	110.9	31.47	112.9	31.75
	35	62.4	15.05	70.6	17.61	78.6	20.36	86.8	23.49	95.0	26.97	102.9	30.82	109.1	32.62	111.1	32.90
	37	62.4	15.95	70.6	18.65	78.6	21.75	86.8	25.17	95.0	28.91	102.9	33.06	107.2	33.77	109.2	34.05
	40	62.4	17.49	70.6	20.62	78.6	24.07	86.8	27.89	95.0	32.08	100.6	34.98	104.6	35.51	106.6	35.79
	43	62.4	19.27	70.6	22.78	78.6	26.63	86.8	30.87	95.0	35.62	97.8	36.69	101.8	37.25	103.8	37.51
	46	62.4	21.23	70.6	25.14	78.6	29.44	86.8	34.21	93.3	38.15	95.0	38.43	99.0	38.99	100.9	39.25
85.5 (90%)	10	56.1	8.81	63.5	9.80	70.6	10.80	78.0	11.79	85.4	12.77	92.7	13.76	107.2	15.75	114.6	16.74
	15	56.1	8.81	63.5	9.80	70.6	10.80	78.0	11.79	85.4	12.77	92.7	13.85	107.2	17.22	114.6	19.08
	21	56.1	8.98	63.5	10.19	70.6	11.68	78.0	13.26	85.4	14.97	92.7	16.80	107.2	20.88	114.6	23.15
	23	56.1	9.37	63.5	10.84	70.6	12.41	78.0	14.10	85.4	15.93	92.7	17.87	107.2	22.23	114.6	24.65
	25	56.1	9.94	63.5	11.51	70.6	13.19	78.0	15.00	85.4	16.94	92.7	19.02	107.2	23.66	114.6	26.24
	27	56.1	10.55	63.5	12.21	70.6	13.99	78.0	15.92	85.4	17.98	92.7	20.20	107.2	25.17	114.6	27.93
	30	56.1	11.51	63.5	13.33	70.6	15.30	78.0	17.41	85.4	19.69	92.7	22.13	107.2	27.59	112.3	29.61
	33	56.1	12.52	63.5	14.52	70.6	16.68	78.0	19.01	85.4	21.52	92.7	24.24	107.2	30.73	109.8	31.33
	35	56.1	13.25	63.5	15.39	70.6	17.69	78.0	20.16	85.4	22.92	92.7	25.99	106.1	32.23	108.1	32.50
	37	56.1	14.01	63.5	16.29	70.6	18.74	78.0	21.52	85.4	24.55	92.7	27.87	104.4	33.40	106.3	33.66
	40	56.1	15.27	63.5	17.89	70.6	20.73	78.0	23.82	85.4	27.22	92.7	30.90	101.8	35.14	103.8	35.40
	43	56.1	16.82	63.5	19.72	70.6	22.89	78.0	26.35	85.4	30.12	92.7	34.27	99.0	36.89	101.0	37.14
	46	56.1	18.50	63.5	21.71	70.6	25.25	78.0	29.12	85.4	33.37	92.7	38.06	96.4	38.63	98.2	38.89
76.0 (80%)	10	49.9	7.97	56.4	8.84	62.9	9.73	69.4	10.61	76.0	11.48	82.3	12.38	95.3	14.12	101.8	15.00
	15	49.9	7.97	56.4	8.84	62.9	9.73	69.4	10.61	76.0	11.48	82.3	12.38	95.3	14.44	101.8	15.90
	21	49.9	8.11	56.4	9.01	62.9	10.08	69.4	11.37	76.0	12.77	82.3	14.24	95.3	17.50	101.8	19.30
	23	49.9	8.44	56.4	9.43	62.9	10.72	69.4	12.10	76.0	13.59	82.3	15.16	95.3	18.63	101.8	20.54
	25	49.9	8.75	56.4	9.99	62.9	11.37	69.4	12.86	76.0	14.43	82.3	16.12	95.3	19.81	101.8	21.86
	27	49.9	9.21	56.4	10.61	62.9	12.07	69.4	13.65	76.0	15.33	82.3	17.13	95.3	21.07	101.8	23.23
	30	49.9	10.04	56.4	11.56	62.9	13.17	69.4	14.91	76.0	16.76	82.3	18.73	95.3	23.07	101.8	25.46
	33	49.9	10.92	56.4	12.58	62.9	14.37	69.4	16.26	76.0	18.29	82.3	20.45	95.3	25.34	101.8	28.18
	35	49.9	11.54	56.4	13.31	62.9	15.22	69.4	17.24	76.0	19.38	82.3	21.74	95.3	27.19	101.8	30.26
	37	49.9	12.19	56.4	14.09	62.9	16.09	69.4	18.25	76.0	20.67	82.3	23.29	95.3	29.16	101.8	32.45
	40	49.9	13.25	56.4	15.36	62.9	17.67	69.4	20.17	76.0	22.86	82.3	25.79	95.3	32.36	100.4	34.95
	43	49.9	14.52	56.4	16.91	62.9	19.49	69.4	22.27	76.0	25.28	82.3	28.54	95.3	35.90	97.8	36.69
	46	49.9	15.95	56.4	18.59	62.9	21.46	69.4	24.55	76.0	27.92	82.3	31.57	93.3	38.18	95.3	38.46
66.5 (70%)	10	43.6	7.12	49.3	7.88	55.0	8.67	60.7	9.43	66.4	10.19	72.0	10.97	83.4	12.52	89.1	13.28
	15	43.6	7.12	49.3	7.88	55.0	8.67	60.7	9.43	66.4	10.19	72.0	10.97	83.4	12.52	89.1	13.28
	21	43.6	7.26	49.3	8.05	55.0	8.83	60.7	9.66	66.4	10.78	72.0	11.94	83.4	14.49	89.1	15.90
	23	43.6	7.52	49.3	8.36	55.0	9.17	60.7	10.27	66.4	11.45	72.0	12.69	83.4	15.42	89.1	16.91
	25	43.6	7.80	49.3	8.67	55.0	9.71	60.7	10.89	66.4	12.16	72.0	13.50	83.4	16.40	89.1	17.98
	27	43.6	8.10	49.3	9.09	55.0	10.30	60.7	11.57	66.4	12.91	72.0	14.32	83.4	17.42	89.1	19.10
	30	43.6	8.67	49.3	9.91	55.0	11.23	60.7	12.61	66.4	14.10	72.0	15.65	83.4	19.05	89.1	20.90
	33	43.6	9.40	49.3	10.78	55.0	12.21	60.7	13.76	66.4	15.36	72.0	17.08	83.4	20.82	89.1	22.87
	35	43.6	9.94	49.3	11.39	55.0	12.92	60.7	14.55	66.4	16.29	72.0	18.11	83.4	22.16	89.1	24.47
	37	43.6	10.50	49.3	12.04	55.0	13.67	60.7	15.41	66.4	17.24	72.0	19.21	83.4	23.73	89.1	26.21
	40	43.6	11.37	49.3	13.08	55.0	14.88	60.7	16.85	66.4	18.99	72.0	21.26	83.4	26.27	89.1	29.05
	43	43.6	12.38	49.3	14.32	55.0	16.37	60.7	18.59	66.4	20.95	72.0	23.48	83.4	29.08	89.1	32.19
	46	43.6	13.59	49.3	15.73	55.0	18.03	60.7	20.47	66.4	23.09	72.0	25.90	83.4	32.19	89.1	35.70
57.0 (60%)	10	37.4	6.28	42.2	6.93	47.1	7.60	51.9	8.25	57.0	8.92	61.8	9.57	71.5	10.89	76.3	11.56
	15	37.4	6.28	42.2	6.93	47.1	7.60	51.9	8.25	57.0	8.92	61.8	9.57	71.5	10.89	76.3	11.56
	21	37.4	6.39	42.2	7.06	47.1	7.74	51.9	8.41	57.0	9.09	61.8	9.85	71.5	11.82	76.3	12.89
	23	37.4	6.62	42.2	7.32	47.1	8.02	51.9	8.73	57.0	9.51	61.8	10.47	71.5	12.58	76.3	13.70
	25	37.4	6.87	42.2	7.60	47.1	8.33	51.9	9.12	57.0	10.10	61.8	11.14	71.5	13.36	76.3	14.55
	27	37.4	7.10	42.2	7.88	47.1	8.64	51.9	9.65	57.0	10.70	61.8	11.82	71.5	14.18	76.3	15.45
	30	37.4	7.49	42.2	8.36	47.1	9.43	51.9	10.52	57.0	11.68	61.8	12.89	71.5	15.50	76.3	16.91
	33	37.4	7.99	42.2	9.09	47.1	10.24	51.9	11.45	57.0	12.72	61.8	14.04	71.5	16.91	76.3	18.45
	35	37.4	8.44	42.2	9.60	47.1	10.83	51.9	12.10	57.0	13.45	61.8	14.88	71.5	17.92	76.3	19.55
	37	37.4	8.89	42.2	10.13	47.1	11.43	51.9	12.80	57.0	14.23	61.8	15.73	71.5	19.01	76.3	20.87
	40	37.4	9.63	42.2	10.98	47.1	12.41	51.9	13.90	57.0	15.52	61.8	17.24	71.5	21.01	76.3	23.07
	43	37.4	10.41	42.2	11.95	47.1	13.56	51.9	15.28	57.0	17.10	61.8	19.01	71.5	23.20	76.3	25.50
	46	37.4	11.40	42.2	13.11	47.1	14.88	51.9	16.79	57.0	18.81	61.8	20.95	71.5	25.62	76.3	28.18
47.5 (50%)	10	31.2	5.43	35.2	5.97	39.2	6.53	43.4	7.07	47.4	7.63	51.3	8.17	59.5	9.28	63.5	9.82
	15	31.2	5.43	35.2	5.97	39.2	6.53	43.4	7.07	47.4	7.63	51.3	8.17	59.5	9.28	63.5	9.82
	21	31.2	5.52	35.2	6.08	39.2	6.64	43.4	7.21	47.4	7.77	51.3	8.33	59.5	9.46	63.5	10.22
	23	31.2	5.72	35.2	6.31	39.2	6.90	43.4	7.48	47.3	8.07	51.3	8.64	59.5	10.05	63.5	10.86
	25	31.2	5.91	35.2	6.53	39.2	7.15	43.4	7.76	47.4	8.36	51.3	9.00	59.5	10.66	63.5	11.54
	27	31.2	6.11	35.2	6.76	39.2	7.40	43.4	8.05	47.4	8.70	51.3	9.54	59.5	11.31	63.5	12.24
	30	31.2	6.44	35.2	7.12	39.2	7.80	43.4	8.59	47.4	9.48	51.3	10.39	59.5	12.33	63.5	13.37
	33	31.2	6.78	35.2	7.52	39.2	8.41	43.4	9.34	47.4	10.30	51.3	11.31	59.5	13.45	63.5	14.57
	35	31.2	7.01	35.2	7.94	39.2	8.87	43.4	9.85	47.4	10.89	51.3	11.96	59.5	14.23	63.5	15.44
	37	31.2	7.40	35.2	8.36	39.2	9.37	43.4	10.41	47.4	11.51	51.3	12.63	59.5	15.05	63.5	16.34
	40	31.2	7.99	35.2	9.04	39.2	10.13	43.4	11.28	47.4	12.47	51.3	13.73	59.5	16.46	63.5	17.94
	43	31.2	8.61	35.2	9.77	39.2	11.00	43.4	12.29	47.4	13.64	51.3	15.08	59.5	18.14	63.5	19.77
	46	31.2	9.37	35.2	10.67	39.2	12.04	43.4	13.48	47.4	14.99	51.3	16.57	59.5	19.97	63.5	21.80

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳324LALH

● Capacity : 100.5 kW (36HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
150.8 (150%)	10	99.0	14.91	111.9	16.68	124.8	18.42	137.7	21.30	144.9	22.92	147.9	23.13	153.6	23.52	156.3	23.73
	15	99.0	15.09	111.9	18.06	124.8	21.42	137.1	24.99	139.8	25.20	142.8	25.41	148.2	25.83	150.9	26.04
	21	99.0	18.27	111.9	21.90	124.8	25.95	131.1	27.69	133.8	27.93	136.2	28.14	141.6	28.59	144.0	28.83
	23	99.0	19.44	111.9	23.31	124.8	27.66	129.0	28.59	131.7	28.83	134.1	29.07	139.2	29.52	141.9	29.76
	25	99.0	20.67	111.9	24.78	124.5	29.28	126.9	29.52	129.6	29.76	132.0	29.97	137.1	30.45	139.5	30.69
	27	99.0	21.96	111.9	26.37	122.4	30.18	124.8	30.42	127.5	30.66	129.9	30.90	134.7	31.41	137.4	31.71
	30	99.0	24.06	111.9	28.89	119.4	31.71	121.8	32.01	124.2	32.34	126.6	32.64	131.7	33.24	134.1	33.54
	33	99.0	26.37	111.9	32.13	116.4	33.54	118.5	33.84	120.9	34.14	123.3	34.44	128.4	35.07	130.8	35.37
	35	99.0	28.29	111.9	34.41	114.3	34.74	116.4	35.04	118.8	35.34	121.2	35.67	126.0	36.27	128.4	36.57
	37	99.0	30.30	109.8	35.64	112.2	35.94	114.3	36.27	116.7	36.57	119.1	36.87	123.9	37.50	126.3	37.80
	40	99.0	33.63	106.8	37.44	108.9	37.77	111.3	38.07	113.4	38.40	115.8	38.70	120.6	39.30	122.7	39.63
	43	99.0	37.29	103.5	39.27	105.9	39.57	108.0	39.90	110.4	40.20	112.5	40.53	117.0	41.13	119.4	41.43
	46	98.1	40.74	100.5	41.07	102.6	41.40	104.7	41.70	107.1	42.03	109.2	42.33	113.7	42.96	116.1	43.26
140.7 (140%)	10	92.4	14.01	104.4	15.66	116.4	17.28	128.4	18.99	140.7	22.05	145.5	22.98	151.2	23.37	153.9	23.55
	15	92.4	14.01	104.4	16.29	116.4	19.20	128.4	22.44	138.0	25.02	140.4	25.23	145.8	25.65	148.5	25.86
	21	92.4	16.59	104.4	19.74	116.4	23.28	128.4	27.21	131.7	27.75	134.4	27.99	139.5	28.41	142.2	28.65
	23	92.4	17.64	104.4	21.00	116.4	24.78	127.2	28.44	129.9	28.68	132.3	28.89	137.4	29.34	139.8	29.58
	25	92.4	18.75	104.4	22.35	116.4	26.37	125.1	29.34	127.8	29.58	130.2	29.82	135.3	30.27	137.7	30.51
	27	92.4	19.92	104.4	23.76	116.4	28.05	123.3	30.27	125.7	30.51	128.1	30.72	132.9	31.20	135.3	31.50
	30	92.4	21.78	104.4	26.01	116.4	30.84	120.0	31.83	122.4	32.13	124.8	32.43	129.9	33.03	132.3	33.33
	33	92.4	23.82	104.4	28.68	114.6	33.33	117.0	33.63	119.4	33.93	121.8	34.23	126.6	34.86	129.0	35.16
	35	92.4	25.44	104.4	30.78	112.8	34.53	114.9	34.86	117.3	35.16	119.7	35.46	124.5	36.06	126.9	36.36
	37	92.4	27.24	104.4	33.00	110.7	35.76	113.1	36.06	115.2	36.36	117.6	36.66	122.1	37.29	124.5	37.59
	40	92.4	30.18	104.4	36.66	107.7	37.56	109.8	37.89	112.2	38.19	114.3	38.49	118.8	39.12	121.2	39.42
	43	92.4	33.42	102.3	39.06	104.4	39.39	106.8	39.69	108.9	40.02	111.0	40.32	115.5	40.95	117.9	41.25
	46	92.4	37.05	99.3	40.89	101.4	41.22	103.5	41.52	105.6	41.85	108.0	42.15	112.2	42.78	114.6	43.08
130.7 (130%)	10	85.8	13.11	96.9	14.64	108.3	16.14	119.4	17.67	130.5	19.47	141.6	22.35	148.5	23.19	151.2	23.37
	15	85.8	13.11	96.9	14.64	108.3	17.16	119.4	19.92	130.5	23.01	138.3	25.05	143.4	25.47	146.1	25.68
	21	85.8	14.97	96.9	17.73	108.3	20.79	119.4	24.18	129.6	27.57	132.3	27.78	137.4	28.23	139.8	28.44
	23	85.8	15.93	96.9	18.87	108.3	22.11	119.4	25.74	127.8	28.47	130.2	28.71	135.3	29.16	137.7	29.37
	25	85.8	16.92	96.9	20.07	108.3	23.52	119.4	27.39	125.7	29.40	128.1	29.61	133.2	30.09	135.6	30.30
	27	85.8	17.97	96.9	21.30	108.3	25.02	119.4	29.13	123.6	30.30	126.0	30.54	130.8	31.02	133.2	31.23
	30	85.8	19.65	96.9	23.34	108.3	27.42	118.2	31.59	120.6	31.89	123.0	32.19	127.8	32.76	130.2	33.06
	33	85.8	21.48	96.9	25.53	108.3	30.36	115.5	33.42	117.6	33.72	120.0	34.02	124.8	34.62	126.9	34.89
	35	85.8	22.77	96.9	27.36	108.3	32.58	113.4	34.62	115.5	34.92	117.9	35.22	122.7	35.82	124.8	36.12
	37	85.8	24.39	96.9	29.34	108.3	34.95	111.3	35.85	113.7	36.15	115.8	36.45	120.3	37.05	122.7	37.35
	40	85.8	27.00	96.9	32.52	106.2	37.35	108.3	37.68	110.4	37.98	112.8	38.28	117.3	38.88	119.4	39.18
	43	85.8	29.85	96.9	36.06	102.9	39.18	105.3	39.48	107.4	39.81	109.5	40.11	114.0	40.71	116.1	41.01
	46	85.8	33.03	96.9	40.02	99.9	41.01	102.0	41.31	104.1	41.64	106.5	41.94	110.7	42.54	112.8	42.84
120.6 (120%)	10	79.2	12.21	89.4	13.59	99.9	15.00	110.1	16.41	120.6	17.82	130.8	19.53	145.5	22.98	148.2	23.16
	15	79.2	12.21	89.4	13.59	99.9	15.24	110.1	17.61	120.6	20.22	130.8	23.07	140.7	25.26	143.1	25.44
	21	79.2	13.47	89.4	15.87	99.9	18.48	110.1	21.36	120.6	24.51	129.9	27.57	134.7	28.02	137.1	28.23
	23	79.2	14.34	89.4	16.86	99.9	19.65	110.1	22.74	120.6	26.10	127.8	28.50	132.6	28.92	135.0	29.16
	25	79.2	15.21	89.4	17.94	99.9	20.91	110.1	24.18	120.6	27.78	126.0	29.40	130.8	29.85	133.2	30.09
	27	79.2	16.17	89.4	19.05	99.9	22.23	110.1	25.71	120.6	29.58	123.9	30.33	128.7	30.78	131.1	31.02
	30	79.2	17.64	89.4	20.82	99.9	24.33	110.1	28.17	118.5	31.62	120.9	31.92	125.7	32.49	127.8	32.79
	33	79.2	19.26	89.4	22.77	99.9	26.70	110.1	31.26	115.8	33.45	117.9	33.75	122.4	34.32	124.8	34.62
	35	79.2	20.43	89.4	24.24	99.9	28.62	110.1	33.57	113.7	34.68	115.8	34.98	120.6	35.55	122.7	35.85
	37	79.2	21.72	89.4	25.95	99.9	30.69	109.5	35.58	111.6	35.88	114.0	36.18	118.5	36.78	120.6	37.08
	40	79.2	24.03	89.4	28.74	99.9	34.05	106.5	37.41	108.6	37.71	111.0	38.01	115.2	38.61	117.6	38.91
	43	79.2	26.55	89.4	31.80	99.9	37.77	103.5	39.24	105.6	39.57	107.7	39.87	112.2	40.47	114.3	40.77
	46	79.2	29.31	89.4	35.22	98.4	40.77	100.5	41.10	102.6	41.40	104.7	41.70	108.9	42.30	111.0	42.60
110.6 (110%)	10	72.6	11.28	82.2	12.57	91.5	13.86	101.1	15.18	110.4	16.47	119.7	17.76	138.6	21.57	144.6	22.92
	15	72.6	11.28	82.2	12.57	91.5	13.86	101.1	15.51	110.4	17.70	119.7	20.07	137.4	25.02	140.1	25.20
	21	72.6	12.06	82.2	14.10	91.5	16.35	101.1	18.78	110.4	21.42	119.7	24.33	131.7	27.75	134.4	27.96
	23	72.6	12.81	82.2	15.00	91.5	17.37	101.1	19.98	110.4	22.80	119.7	25.92	129.9	28.68	132.3	28.89
	25	72.6	13.62	82.2	15.93	91.5	18.48	101.1	21.24	110.4	24.27	119.7	27.57	128.1	29.61	130.2	29.82
	27	72.6	14.46	82.2	16.92	91.5	19.62	101.1	22.59	110.4	25.80	119.7	29.34	126.0	30.54	128.4	30.75
	30	72.6	15.78	82.2	18.51	91.5	21.48	101.1	24.72	110.4	28.29	118.5	31.62	123.0	32.19	125.4	32.46
	33	72.6	17.19	82.2	20.19	91.5	23.46	101.1	27.15	110.4	31.38	115.5	33.45	120.0	34.02	122.4	34.32
	35	72.6	18.21	82.2	21.42	91.5	25.05	101.1	29.13	110.4	33.69	113.7	34.68	118.2	35.25	120.3	35.55
	37	72.6	19.29	82.2	22.86	91.5	26.82	101.1	31.23	109.5	35.61	111.6	35.88	116.1	36.48	118.2	36.78
	40	72.6	21.30	82.2	25.26	91.5	29.70	101.1	34.65	106.8	37.44	108.9	37.74	113.1	38.31	115.2	38.61
	43	72.6	23.49	82.2	27.93	91.5	32.91	101.1	38.46	103.8	39.27	105.9	39.57	110.1	40.17	112.2	40.47
	46	72.6	25.92	82.2	30.87	91.5	36.45	98.7	40.80	100.8	41.13	102.9	41.43	107.1	42.03	108.9	42.33

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳324LALH

● Capacity : 100.5 kW (36HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100.5 (100%)	10	66.0	10.38	74.7	11.55	83.1	12.75	91.8	13.92	100.5	15.09	108.9	16.26	126.0	18.60	134.7	20.52
	15	66.0	10.38	74.7	11.55	83.1	12.75	91.8	13.92	100.5	15.36	108.9	17.34	126.0	21.75	134.7	24.24
	21	66.0	10.74	74.7	12.48	83.1	14.37	91.8	16.41	100.5	18.63	108.9	21.00	126.0	26.40	130.8	27.69
	23	66.0	11.40	74.7	13.26	83.1	15.27	91.8	17.46	100.5	19.80	108.9	22.35	126.0	28.11	129.0	28.59
	25	66.0	12.12	74.7	14.10	83.1	16.23	91.8	18.54	100.5	21.06	108.9	23.79	124.8	29.31	127.2	29.52
	27	66.0	12.84	74.7	14.94	83.1	17.22	91.8	19.71	100.5	22.38	108.9	25.29	123.0	30.24	125.1	30.45
	30	66.0	14.01	74.7	16.32	83.1	18.84	91.8	21.54	100.5	24.51	108.9	27.72	120.0	31.83	122.4	32.10
	33	66.0	15.27	74.7	17.82	83.1	20.58	91.8	23.55	100.5	26.91	108.9	30.72	117.3	33.66	119.4	33.96
	35	66.0	16.14	74.7	18.87	83.1	21.81	91.8	25.14	100.5	28.86	108.9	32.97	115.5	34.89	117.6	35.19
	37	66.0	17.10	74.7	19.98	83.1	23.28	91.8	26.94	100.5	30.93	108.9	35.37	113.4	36.12	115.5	36.42
	40	66.0	18.75	74.7	22.08	83.1	25.77	91.8	29.85	100.5	34.32	106.5	37.41	110.7	37.98	112.8	38.28
	43	66.0	20.64	74.7	24.39	83.1	28.50	91.8	33.03	100.5	38.10	103.5	39.24	107.7	39.84	109.8	40.11
	46	66.0	22.74	74.7	26.91	83.1	31.50	91.8	36.60	98.7	40.80	100.5	41.10	104.7	41.70	106.8	41.97
90.5 (90%)	10	59.4	9.48	67.2	10.53	74.7	11.61	82.5	12.66	90.3	13.71	98.1	14.76	113.4	16.89	121.2	17.94
	15	59.4	9.48	67.2	10.53	74.7	11.61	82.5	12.66	90.3	13.71	98.1	14.85	113.4	18.45	121.2	20.43
	21	59.4	9.66	67.2	10.95	74.7	12.54	82.5	14.22	90.3	16.05	98.1	18.00	113.4	22.35	121.2	24.78
	23	59.4	10.08	67.2	11.64	74.7	13.32	82.5	15.12	90.3	17.07	98.1	19.14	113.4	23.79	121.2	26.37
	25	59.4	10.68	67.2	12.36	74.7	14.16	82.5	16.08	90.3	18.15	98.1	20.37	113.4	25.32	121.2	28.08
	27	59.4	11.34	67.2	13.11	74.7	15.00	82.5	17.07	90.3	19.26	98.1	21.63	113.4	26.94	121.2	29.88
	30	59.4	12.36	67.2	14.31	74.7	16.41	82.5	18.66	90.3	21.09	98.1	23.70	113.4	29.52	118.8	31.68
	33	59.4	13.44	67.2	15.57	74.7	17.88	82.5	20.37	90.3	23.04	98.1	25.95	113.4	32.88	116.1	33.51
	35	59.4	14.22	67.2	16.50	74.7	18.96	82.5	21.60	90.3	24.54	98.1	27.81	112.2	34.47	114.3	34.77
	37	59.4	15.03	67.2	17.46	74.7	20.07	82.5	23.04	90.3	26.28	98.1	29.82	110.4	35.73	112.5	36.00
	40	59.4	16.38	67.2	19.17	74.7	22.20	82.5	25.50	90.3	29.13	98.1	33.06	107.7	37.59	109.8	37.86
	43	59.4	18.03	67.2	21.12	74.7	24.51	82.5	28.20	90.3	32.22	98.1	36.66	104.7	39.45	106.8	39.72
	46	59.4	19.83	67.2	23.25	74.7	27.03	82.5	31.17	90.3	35.70	98.1	40.71	102.0	41.31	103.8	41.58
80.4 (80%)	10	52.8	8.58	59.7	9.51	66.6	10.47	73.5	11.40	80.4	12.33	87.0	13.29	100.8	15.15	107.7	16.08
	15	52.8	8.58	59.7	9.51	66.6	10.47	73.5	11.40	80.4	12.33	87.0	13.29	100.8	15.48	107.7	17.04
	21	52.8	8.73	59.7	9.69	66.6	10.83	73.5	12.21	80.4	13.71	87.0	15.27	100.8	18.75	107.7	20.67
	23	52.8	9.09	59.7	10.14	66.6	11.52	73.5	12.99	80.4	14.58	87.0	16.26	100.8	19.95	107.7	21.99
	25	52.8	9.42	59.7	10.74	66.6	12.21	73.5	13.80	80.4	15.48	87.0	17.28	100.8	21.21	107.7	23.40
	27	52.8	9.90	59.7	11.40	66.6	12.96	73.5	14.64	80.4	16.44	87.0	18.36	100.8	22.56	107.7	24.87
	30	52.8	10.80	59.7	12.42	66.6	14.13	73.5	15.99	80.4	17.97	87.0	20.07	100.8	24.69	107.7	27.24
	33	52.8	11.73	59.7	13.50	66.6	15.42	73.5	17.43	80.4	19.59	87.0	21.90	100.8	27.12	107.7	30.15
	35	52.8	12.39	59.7	14.28	66.6	16.32	73.5	18.48	80.4	20.76	87.0	23.28	100.8	29.10	107.7	32.37
	37	52.8	13.08	59.7	15.12	66.6	17.25	73.5	19.56	80.4	22.14	87.0	24.93	100.8	31.20	107.7	34.71
	40	52.8	14.22	59.7	16.47	66.6	18.93	73.5	21.60	80.4	24.48	87.0	27.60	100.8	34.62	106.2	37.38
	43	52.8	15.57	59.7	18.12	66.6	20.88	73.5	23.85	80.4	27.06	87.0	30.54	100.8	38.40	103.5	39.24
	46	52.8	17.10	59.7	19.92	66.6	22.98	73.5	26.28	80.4	29.88	87.0	33.78	98.7	40.83	100.8	41.13
70.4 (70%)	10	46.2	7.68	52.2	8.49	58.2	9.33	64.2	10.14	70.2	10.95	76.2	11.79	88.2	13.44	94.2	14.25
	15	46.2	7.68	52.2	8.49	58.2	9.33	64.2	10.14	70.2	10.95	76.2	11.79	88.2	13.44	94.2	14.25
	21	46.2	7.83	52.2	8.67	58.2	9.51	64.2	10.38	70.2	11.58	76.2	12.81	88.2	15.54	94.2	17.04
	23	46.2	8.10	52.2	9.00	58.2	9.87	64.2	11.04	70.2	12.30	76.2	13.62	88.2	16.53	94.2	18.12
	25	46.2	8.40	52.2	9.33	58.2	10.44	64.2	11.70	70.2	13.05	76.2	14.49	88.2	17.58	94.2	19.26
	27	46.2	8.73	52.2	9.78	58.2	11.07	64.2	12.42	70.2	13.86	76.2	15.36	88.2	18.66	94.2	20.46
	30	46.2	9.33	52.2	10.65	58.2	12.06	64.2	13.53	70.2	15.12	76.2	16.77	88.2	20.40	94.2	22.38
	33	46.2	10.11	52.2	11.58	58.2	13.11	64.2	14.76	70.2	16.47	76.2	18.30	88.2	22.29	94.2	24.48
	35	46.2	10.68	52.2	12.24	58.2	13.86	64.2	15.60	70.2	17.46	76.2	19.41	88.2	23.73	94.2	26.19
	37	46.2	11.28	52.2	12.93	58.2	14.67	64.2	16.53	70.2	18.48	76.2	20.58	88.2	25.41	94.2	28.05
	40	46.2	12.21	52.2	14.04	58.2	15.96	64.2	18.06	70.2	20.34	76.2	22.77	88.2	28.11	94.2	31.08
	43	46.2	13.29	52.2	15.36	58.2	17.55	64.2	19.92	70.2	22.44	76.2	25.14	88.2	31.11	94.2	34.44
	46	46.2	14.58	52.2	16.86	58.2	19.32	64.2	21.93	70.2	24.72	76.2	27.72	88.2	34.44	94.2	38.19
60.3 (60%)	10	39.6	6.78	44.7	7.47	49.8	8.19	54.9	8.88	60.3	9.60	65.4	10.29	75.6	11.70	80.7	12.42
	15	39.6	6.78	44.7	7.47	49.8	8.19	54.9	8.88	60.3	9.60	65.4	10.29	75.6	11.70	80.7	12.42
	21	39.6	6.90	44.7	7.62	49.8	8.34	54.9	9.06	60.3	9.78	65.4	10.59	75.6	12.69	80.7	13.83
	23	39.6	7.14	44.7	7.89	49.8	8.64	54.9	9.39	60.3	10.23	65.4	11.25	75.6	13.50	80.7	14.70
	25	39.6	7.41	44.7	8.19	49.8	8.97	54.9	9.81	60.3	10.86	65.4	11.97	75.6	14.34	80.7	15.60
	27	39.6	7.65	44.7	8.49	49.8	9.30	54.9	10.38	60.3	11.49	65.4	12.69	75.6	15.21	80.7	16.56
	30	39.6	8.07	44.7	9.00	49.8	10.14	54.9	11.31	60.3	12.54	65.4	13.83	75.6	16.62	80.7	18.12
	33	39.6	8.61	44.7	9.78	49.8	11.01	54.9	12.30	60.3	13.65	65.4	15.06	75.6	18.12	80.7	19.77
	35	39.6	9.09	44.7	10.32	49.8	11.64	54.9	12.99	60.3	14.43	65.4	15.96	75.6	19.20	80.7	20.94
	37	39.6	9.57	44.7	10.89	49.8	12.27	54.9	13.74	60.3	15.27	65.4	16.86	75.6	20.37	80.7	22.35
	40	39.6	10.35	44.7	11.79	49.8	13.32	54.9	14.91	60.3	16.65	65.4	18.48	75.6	22.50	80.7	24.69
	43	39.6	11.19	44.7	12.84	49.8	14.55	54.9	16.38	60.3	18.33	65.4	20.37	75.6	24.84	80.7	27.30
	46	39.6	12.24	44.7	14.07	49.8	15.96	54.9	18.00	60.3	20.16	65.4	22.44	75.6	27.42	80.7	30.15
50.3 (50%)	10	33.0	5.88	37.2	6.45	41.4	7.05	45.9	7.62	50.1	8.22	54.3	8.79	63.0	9.99	67.2	10.56
	15	33.0	5.88	37.2	6.45	41.4	7.05	45.9	7.62	50.1	8.22	54.3	8.79	63.0	9.99	67.2	10.56
	21	33.0	5.97	37.2	6.57	41.4	7.17	45.9	7.77	50.1	8.37	54.3	8.97	63.0	10.17	67.2	10.98
	23	33.0	6.18	37.2	6.81	41.4	7.44	45.9	8.07	50.1	8.70	54.3	9.30	63.0	10.80	67.2	11.67
	25	33.0	6.39	37.2	7.05	41.4	7.71	45.9	8.37	50.1	9.00	54.3	9.69	63.0	11.46	67.2	12.39
	27	33.0	6.60	37.2	7.29	41.4	7.98	45.9	8.67	50.1	9.36	54.3	10.26	63.0	12.15	67.2	13.14
	30	33.0	6.96	37.2	7.68	41.4	8.40	45.9	9.24	50.1	10.20	54.3	11.16	63.0	13.23	67.2	14.34
	33	33.0	7.32	37.2	8.10	41.4	9.06	45.9	10.05	50.1	11.07	54.3	12.15	63.0	14.43	67.2	15.63
	35	33.0	7.56	37.2	8.55	41.4	9.54	45.9	10.59	50.1	11.70	54.3	12.84	63.0	15.27	67.2	16.56
	37	33.0	7.98	37.2	9.00	41.4	10.08	45.9	11.19	50.1	12.36	54.3	13.56	63.0	16.14	67.2	17.52
	40	33.0	8.61	37.2	9.72	41.4	10.89	45.9	12.12	50.1	13.38	54.3	14.73	63.0	17.64	67.2	19.23
	43	33.0	9.27	37.2	10.50	41.4	11.82	45.9	13.20	50.1	14.64	54.3	16.17	63.0	19.44	67.2	21.18
	46	33.0	10.08	37.2	11.46	41.4	12.93	45.9	14.46	50.1	16.08	54.3	17.76	63.0	21.39	67.2	23.34

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳342LALH

● Capacity : 107.0 kW (38HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
160.5 (150%)	10	105.4	15.91	119.2	17.79	132.9	19.65	146.6	22.71	154.3	24.45	157.4	24.67	163.5	25.09	166.4	25.31
	15	105.4	16.10	119.2	19.27	132.9	22.84	146.0	26.65	148.9	26.87	152.0	27.09	157.8	27.54	160.6	27.77
	21	105.4	19.49	119.2	23.35	132.9	27.68	139.6	29.53	142.4	29.78	145.1	30.00	150.7	30.48	153.4	30.74
	23	105.4	20.74	119.2	24.86	132.9	29.49	137.4	30.49	140.2	30.74	142.8	30.99	148.3	31.47	151.1	31.73
	25	105.4	22.05	119.2	26.43	132.6	31.22	135.2	31.47	138.0	31.72	140.6	31.96	146.0	32.46	148.6	32.72
	27	105.4	23.42	119.2	28.12	130.3	32.18	132.9	32.43	135.7	32.69	138.3	32.94	143.5	33.49	146.3	33.81
	30	105.4	25.65	119.2	30.81	127.1	33.81	129.7	34.13	132.2	34.47	134.8	34.79	140.2	35.43	142.8	35.75
	33	105.4	28.12	119.2	34.25	123.9	35.75	126.2	36.07	128.8	36.39	131.3	36.72	136.7	37.38	139.2	37.70
	35	105.4	30.16	119.1	36.69	121.7	37.03	124.0	37.35	126.5	37.68	129.1	38.02	134.2	38.66	136.7	38.98
	37	105.4	32.31	116.9	37.99	119.4	38.31	121.8	38.66	124.3	38.98	126.8	39.30	131.9	39.97	134.4	40.29
	40	105.4	35.85	113.7	39.91	116.0	40.26	118.5	40.58	120.8	40.93	123.3	41.25	128.4	41.89	130.7	42.24
	43	105.4	39.75	110.2	41.85	112.7	42.18	115.0	42.53	117.5	42.85	119.8	43.20	124.6	43.84	127.1	44.16
	46	104.5	43.43	107.0	43.78	109.2	44.12	111.5	44.45	114.0	44.80	116.3	45.12	121.1	45.79	123.6	46.11
149.8 (140%)	10	98.4	14.95	111.2	16.71	124.0	18.44	136.8	20.25	149.8	23.51	154.9	24.50	160.9	24.92	163.9	25.12
	15	98.4	14.95	111.2	17.38	124.0	20.48	136.8	23.93	146.9	26.68	149.5	26.91	155.3	27.35	158.1	27.58
	21	98.4	17.70	111.2	21.06	124.0	24.82	136.8	29.02	140.3	29.59	143.1	29.84	148.5	30.29	151.4	30.54
	23	98.4	18.82	111.2	22.40	124.0	26.42	135.5	30.32	138.3	30.57	140.9	30.80	146.3	31.28	148.9	31.53
	25	98.4	20.00	111.2	23.83	124.0	28.12	133.3	31.29	136.0	31.54	138.6	31.79	144.0	32.27	146.6	32.53
	27	98.4	21.24	111.2	25.33	124.0	29.91	131.2	32.27	133.8	32.52	136.4	32.76	141.5	33.27	144.1	33.58
	30	98.4	23.23	111.2	27.74	124.0	32.88	127.8	33.93	130.4	34.25	132.9	34.57	138.3	35.21	140.8	35.53
	33	98.4	25.40	111.2	30.58	122.1	35.53	124.6	35.85	127.1	36.17	129.7	36.49	134.8	37.15	137.3	37.47
	35	98.4	27.12	111.2	32.81	120.1	36.81	122.4	37.16	124.9	37.48	127.5	37.80	132.5	38.44	135.1	38.76
	37	98.4	29.04	111.2	35.18	117.9	38.12	120.4	38.44	122.7	38.76	125.2	39.08	130.1	39.75	132.6	40.07
	40	98.4	32.18	111.2	39.08	114.6	40.04	116.9	40.38	119.4	40.71	121.7	41.03	126.6	41.69	129.1	42.01
	43	98.4	35.63	108.9	41.64	111.2	41.99	113.7	42.31	116.0	42.66	118.2	42.98	123.0	43.64	125.5	43.96
	46	98.4	39.49	105.7	43.58	107.9	43.93	110.2	44.26	112.5	44.60	115.0	44.93	119.5	45.59	122.0	45.91
139.1 (130%)	10	91.4	13.99	103.2	15.62	115.3	17.23	127.1	18.85	139.0	20.76	150.8	23.83	158.1	24.73	161.0	24.92
	15	91.4	13.99	103.2	15.62	115.3	18.30	127.1	21.25	139.0	24.54	147.2	26.71	152.7	27.16	155.5	27.38
	21	91.4	15.98	103.2	18.92	115.3	22.17	127.1	25.78	138.0	29.40	140.8	29.62	146.2	30.10	148.8	30.32
	23	91.4	17.00	103.2	20.13	115.3	23.59	127.1	27.44	136.0	30.36	138.6	30.61	144.0	31.09	146.6	31.31
	25	91.4	18.06	103.2	21.40	115.3	25.09	127.1	29.20	133.9	31.34	136.4	31.57	141.8	32.08	144.3	32.31
	27	91.4	19.17	103.2	22.72	115.3	26.68	127.1	31.06	131.6	32.31	134.2	32.56	139.3	33.07	141.9	33.30
	30	91.4	20.96	103.2	24.89	115.3	29.23	125.9	33.68	128.4	34.00	131.0	34.31	136.1	34.93	138.6	35.25
	33	91.4	22.90	103.2	27.22	115.3	32.36	122.9	35.62	125.2	35.94	127.8	36.26	132.8	36.90	135.2	37.20
	35	91.4	24.29	103.2	29.18	115.3	34.73	120.7	36.91	123.0	37.23	125.5	37.55	130.6	38.19	132.9	38.50
	37	91.4	26.01	103.2	31.28	115.3	37.26	118.5	38.21	121.0	38.53	123.3	38.85	128.1	39.49	130.7	39.81
	40	91.4	28.79	103.2	34.67	113.0	39.82	115.3	40.16	117.6	40.48	120.1	40.80	124.9	41.44	127.2	41.76
	43	91.4	31.83	103.2	38.44	109.6	41.76	112.1	42.09	114.4	42.43	116.6	42.75	121.4	43.39	123.7	43.71
	46	91.4	35.21	103.2	42.65	106.4	43.71	108.6	44.04	110.9	44.38	113.4	44.70	117.9	45.35	120.2	45.67
128.4 (120%)	10	84.3	13.03	95.2	14.51	106.3	16.01	117.2	17.51	128.4	19.02	139.3	20.83	154.9	24.50	157.8	24.70
	15	84.3	13.03	95.2	14.51	106.3	16.27	117.2	18.79	128.4	21.57	139.3	24.61	149.8	26.93	152.4	27.13
	21	84.3	14.38	95.2	16.93	106.3	19.71	117.2	22.78	128.4	26.14	138.3	29.40	143.4	29.87	146.0	30.09
	23	84.3	15.30	95.2	17.99	106.3	20.97	117.2	24.25	128.4	27.84	136.1	30.38	141.2	30.84	143.8	31.08
	25	84.3	16.24	95.2	19.14	106.3	22.30	117.2	25.79	128.4	29.62	134.1	31.35	139.2	31.83	141.8	32.08
	27	84.3	17.25	95.2	20.32	106.3	23.70	117.2	27.42	128.4	31.53	131.9	32.33	137.0	32.82	139.5	33.07
	30	84.3	18.83	95.2	22.21	106.3	25.94	117.2	30.04	126.2	33.71	128.7	34.03	133.8	34.64	136.1	34.95
	33	84.3	20.55	95.2	24.28	106.3	28.47	117.2	33.33	123.2	35.66	125.6	35.98	130.4	36.59	132.9	36.91
	35	84.3	21.79	95.2	25.85	106.3	30.52	117.2	35.78	121.1	36.96	123.4	37.28	128.4	37.90	130.7	38.22
	37	84.3	23.17	95.2	27.67	106.3	32.72	116.6	37.93	118.9	38.25	121.4	38.57	126.1	39.21	128.4	39.52
	40	84.3	25.63	95.2	30.64	106.3	36.30	113.4	39.88	115.7	40.20	118.1	40.52	122.7	41.16	125.2	41.48
	43	84.3	28.31	95.2	33.91	106.3	40.26	110.2	41.83	112.5	42.17	114.7	42.49	119.4	43.13	121.7	43.45
	46	84.3	31.25	95.2	37.55	104.8	43.46	107.0	43.80	109.2	44.12	111.5	44.45	116.0	45.09	118.2	45.41
117.7 (110%)	10	77.3	12.05	87.5	13.43	97.4	14.80	107.6	16.19	117.6	17.57	127.5	18.94	147.6	23.00	154.0	24.44
	15	77.3	12.05	87.5	13.43	97.4	14.80	107.6	16.55	117.6	18.88	127.5	21.41	146.3	26.67	149.2	26.87
	21	77.3	12.88	87.5	15.05	97.4	17.44	107.6	20.03	117.6	22.85	127.5	25.95	140.3	29.59	143.0	29.81
	23	77.3	13.68	87.5	16.01	97.4	18.54	107.6	21.31	117.6	24.32	127.5	27.63	138.3	30.58	140.9	30.80
	25	77.3	14.54	87.5	17.00	97.4	19.71	107.6	22.66	117.6	25.88	127.5	29.40	136.3	31.57	138.7	31.79
	27	77.3	15.43	87.5	18.05	97.4	20.93	107.6	24.09	117.6	27.51	127.5	31.28	134.2	32.56	136.7	32.78
	30	77.3	16.84	87.5	19.74	97.4	22.91	107.6	26.36	117.6	30.16	126.2	33.71	131.0	34.31	133.5	34.61
	33	77.3	18.35	87.5	21.54	97.4	25.02	107.6	28.95	117.6	33.46	123.0	35.66	127.8	36.27	130.3	36.58
	35	77.3	19.43	87.5	22.84	97.4	26.71	107.6	31.06	117.6	35.92	121.1	36.96	125.8	37.58	128.1	37.89
	37	77.3	20.58	87.5	24.37	97.4	28.60	107.6	33.30	116.6	37.96	118.9	38.25	123.6	38.89	125.9	39.20
	40	77.3	22.71	87.5	26.94	97.4	31.67	107.6	36.94	113.7	39.91	115.9	40.23	120.4	40.84	122.7	41.16
	43	77.3	25.05	87.5	29.78	97.4	35.08	107.6	41.00	110.5	41.86	112.7	42.18	117.2	42.82	119.5	43.13
	46	77.3	27.63	87.5	32.91	97.4	38.85	105.1	43.49	107.3	43.83	109.5	44.16	114.0	44.79	116.0	45.11

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳342LALH

● Capacity : 107.0 kW (38HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
107.0 (100%)	10	70.3	11.09	79.5	12.34	88.5	13.61	97.7	14.85	107.0	16.10	116.0	17.35	134.2	19.84	143.4	21.88
	15	70.3	11.09	79.5	12.34	88.5	13.61	97.7	14.85	107.0	16.39	116.0	18.50	134.2	23.20	143.4	25.85
	21	70.3	11.47	79.5	13.32	88.5	15.33	97.7	17.51	107.0	19.87	116.0	22.40	134.2	28.15	139.3	29.52
	23	70.3	12.18	79.5	14.16	88.5	16.30	97.7	18.63	107.0	21.12	116.0	23.84	134.2	29.97	137.4	30.49
	25	70.3	12.94	79.5	15.04	88.5	17.32	97.7	19.78	107.0	22.46	116.0	25.37	132.9	31.25	135.4	31.48
	27	70.3	13.71	79.5	15.95	88.5	18.38	97.7	21.02	107.0	23.87	116.0	26.97	131.0	32.24	133.3	32.47
	30	70.3	14.95	79.5	17.42	88.5	20.10	97.7	22.98	107.0	26.14	116.0	29.55	127.8	33.93	130.3	34.22
	33	70.3	16.29	79.5	19.01	88.5	21.95	97.7	25.12	107.0	28.69	116.0	32.75	124.9	35.88	127.2	36.20
	35	70.3	17.23	79.5	20.13	88.5	23.26	97.7	26.81	107.0	30.77	116.0	35.14	122.9	37.19	125.2	37.51
	37	70.3	18.24	79.5	21.31	88.5	24.83	97.7	28.72	107.0	32.98	116.0	37.70	120.8	38.51	123.0	38.82
	40	70.3	20.00	79.5	23.55	88.5	27.48	97.7	31.82	107.0	36.59	113.3	39.87	117.8	40.48	120.1	40.80
	43	70.3	22.02	79.5	26.01	88.5	30.38	97.7	35.22	107.0	40.61	110.2	41.83	114.6	42.46	116.9	42.76
	46	70.3	24.25	79.5	28.69	88.5	33.58	97.7	39.02	105.0	43.49	107.0	43.81	111.5	44.44	113.7	44.74
96.3 (90%)	10	63.2	10.13	71.5	11.25	79.6	12.39	87.9	13.51	96.2	14.63	104.4	15.76	120.8	18.02	129.1	19.14
	15	63.2	10.13	71.5	11.25	79.6	12.39	87.9	13.51	96.2	14.63	104.4	15.85	120.8	19.68	129.1	21.79
	21	63.2	10.32	71.5	11.70	79.6	13.38	87.9	15.18	96.2	17.13	104.4	19.20	120.8	23.84	129.1	26.42
	23	63.2	10.77	71.5	12.43	79.6	14.22	87.9	16.14	96.2	18.21	104.4	20.42	120.8	25.37	129.1	28.12
	25	63.2	11.41	71.5	13.19	79.6	15.11	87.9	17.16	96.2	19.36	104.4	21.73	120.8	27.00	129.1	29.94
	27	63.2	12.11	71.5	13.99	79.6	16.01	87.9	18.21	96.2	20.55	104.4	23.07	120.8	28.72	129.1	31.86
	30	63.2	13.19	71.5	15.27	79.6	17.50	87.9	19.90	96.2	22.49	104.4	25.27	120.8	31.47	126.6	33.77
	33	63.2	14.35	71.5	16.62	79.6	19.08	87.9	21.73	96.2	24.57	104.4	27.67	120.8	35.05	123.7	35.73
	35	63.2	15.18	71.5	17.60	79.6	20.22	87.9	23.03	96.2	26.17	104.4	29.66	119.5	36.75	121.7	37.06
	37	63.2	16.04	71.5	18.63	79.6	21.41	87.9	24.58	96.2	28.03	104.4	31.79	117.6	38.08	119.8	38.37
	40	63.2	17.47	71.5	20.44	79.6	23.67	87.9	27.19	96.2	31.05	104.4	35.25	114.7	40.06	116.9	40.36
	43	63.2	19.23	71.5	22.53	79.6	26.13	87.9	30.06	96.2	34.35	104.4	39.08	111.5	42.04	113.7	42.34
	46	63.2	21.15	71.5	24.80	79.6	28.82	87.9	33.23	96.2	38.05	104.4	43.39	108.6	44.03	110.6	44.32
85.6 (80%)	10	56.2	9.17	63.5	10.16	70.9	11.18	78.2	12.17	85.6	13.17	92.7	14.18	107.4	16.17	114.7	17.16
	15	56.2	9.17	63.5	10.16	70.9	11.18	78.2	12.17	85.6	13.17	92.7	14.18	107.4	16.52	114.7	18.18
	21	56.2	9.34	63.5	10.36	70.9	11.57	78.2	13.04	85.6	14.63	92.7	16.30	107.4	20.00	114.7	22.04
	23	56.2	9.71	63.5	10.83	70.9	12.30	78.2	13.87	85.6	15.56	92.7	17.35	107.4	21.28	114.7	23.45
	25	56.2	10.06	63.5	11.47	70.9	13.04	78.2	14.73	85.6	16.52	92.7	18.43	107.4	22.63	114.7	24.95
	27	56.2	10.58	63.5	12.17	70.9	13.84	78.2	15.63	85.6	17.54	92.7	19.58	107.4	24.06	114.7	26.52
	30	56.2	11.53	63.5	13.26	70.9	15.09	78.2	17.06	85.6	19.17	92.7	21.40	107.4	26.33	114.7	29.05
	33	56.2	12.52	63.5	14.41	70.9	16.45	78.2	18.60	85.6	20.90	92.7	23.36	107.4	28.92	114.7	32.14
	35	56.2	13.23	63.5	15.24	70.9	17.41	78.2	19.71	85.6	22.15	92.7	24.83	107.4	31.02	114.7	34.50
	37	56.2	13.97	63.5	16.13	70.9	18.41	78.2	20.86	85.6	23.61	92.7	26.58	107.4	33.26	114.7	37.00
	40	56.2	15.17	63.5	17.57	70.9	20.19	78.2	23.04	85.6	26.10	92.7	29.42	107.4	36.90	113.1	39.84
	43	56.2	16.62	63.5	19.33	70.9	22.27	78.2	25.43	85.6	28.85	92.7	32.55	107.4	40.94	110.2	41.83
	46	56.2	18.25	63.5	21.25	70.9	24.51	78.2	28.03	85.6	31.86	92.7	36.01	105.1	43.52	107.3	43.83
74.9 (70%)	10	49.2	8.21	55.6	9.08	62.0	9.97	68.4	10.83	74.8	11.70	81.1	12.59	93.9	14.34	100.3	15.21
	15	49.2	8.21	55.6	9.08	62.0	9.97	68.4	10.83	74.8	11.70	81.1	12.59	93.9	14.34	100.3	15.21
	21	49.2	8.37	55.6	9.26	62.0	10.16	68.4	11.09	74.8	12.36	81.1	13.68	93.9	16.59	100.3	18.18
	23	49.2	8.66	55.6	9.61	62.0	10.54	68.4	11.79	74.8	13.13	81.1	14.54	93.9	17.64	100.3	19.33
	25	49.2	8.98	55.6	9.97	62.0	11.15	68.4	12.50	74.8	13.93	81.1	15.46	93.9	18.75	100.3	20.54
	27	49.2	9.32	55.6	10.45	62.0	11.82	68.4	13.26	74.8	14.79	81.1	16.39	93.9	19.91	100.3	21.82
	30	49.2	9.97	55.6	11.38	62.0	12.88	68.4	14.45	74.8	16.14	81.1	17.90	93.9	21.76	100.3	23.87
	33	49.2	10.80	55.6	12.36	62.0	14.00	68.4	15.75	74.8	17.58	81.1	19.53	93.9	23.78	100.3	26.10
	35	49.2	11.41	55.6	13.07	62.0	14.80	68.4	16.65	74.8	18.63	81.1	20.70	93.9	25.30	100.3	27.92
	37	49.2	12.04	55.6	13.80	62.0	15.66	68.4	17.63	74.8	19.71	81.1	21.96	93.9	27.09	100.3	29.91
	40	49.2	13.04	55.6	14.98	62.0	17.03	68.4	19.27	74.8	21.70	81.1	24.28	93.9	29.98	100.3	33.14
	43	49.2	14.19	55.6	16.39	62.0	18.73	68.4	21.25	74.8	23.93	81.1	26.80	93.9	33.17	100.3	36.72
	46	49.2	15.57	55.6	17.99	62.0	20.61	68.4	23.39	74.8	26.36	81.1	29.56	93.9	36.71	100.3	40.71
64.2 (60%)	10	42.1	7.25	47.6	7.99	53.0	8.75	58.5	9.49	64.2	10.25	69.6	10.99	80.5	12.49	86.0	13.26
	15	42.1	7.25	47.6	7.99	53.0	8.75	58.5	9.49	64.2	10.25	69.6	10.99	80.5	12.49	86.0	13.26
	21	42.1	7.38	47.6	8.15	53.0	8.91	58.5	9.68	64.2	10.45	69.6	11.32	80.5	13.55	86.0	14.76
	23	42.1	7.64	47.6	8.44	53.0	9.24	58.5	10.04	64.2	10.93	69.6	12.02	80.5	14.41	86.0	15.69
	25	42.1	7.92	47.6	8.75	53.0	9.59	58.5	10.48	64.2	11.59	69.6	12.78	80.5	15.30	86.0	16.65
	27	42.1	8.19	47.6	9.07	53.0	9.94	58.5	11.09	64.2	12.27	69.6	13.54	80.5	16.23	86.0	17.68
	30	42.1	8.63	47.6	9.62	53.0	10.83	58.5	12.08	64.2	13.39	69.6	14.76	80.5	17.73	86.0	19.33
	33	42.1	9.20	47.6	10.45	53.0	11.76	58.5	13.13	64.2	14.57	69.6	16.07	80.5	19.33	86.0	21.09
	35	42.1	9.71	47.6	11.02	53.0	12.42	58.5	13.87	64.2	15.40	69.6	17.02	80.5	20.48	86.0	22.34
	37	42.1	10.22	47.6	11.63	53.0	13.10	58.5	14.66	64.2	16.29	69.6	17.99	80.5	21.73	86.0	23.83
	40	42.1	11.06	47.6	12.59	53.0	14.22	58.5	15.91	64.2	17.76	69.6	19.72	80.5	24.00	86.0	26.33
	43	42.1	11.95	47.6	13.70	53.0	15.53	58.5	17.48	64.2	19.55	69.6	21.73	80.5	26.49	86.0	29.11
	46	42.1	13.07	47.6	15.01	53.0	17.04	58.5	19.20	64.2	21.50	69.6	23.93	80.5	29.24	86.0	32.15
53.5 (50%)	10	35.1	6.29	39.6	6.90	44.1	7.54	48.8	8.15	53.4	8.79	57.9	9.40	67.1	10.67	71.6	11.28
	15	35.1	6.29	39.6	6.90	44.1	7.54	48.8	8.15	53.4	8.79	57.9	9.40	67.1	10.67	71.6	11.28
	21	35.1	6.39	39.6	7.03	44.1	7.67	48.8	8.31	53.4	8.95	57.9	9.59	67.1	10.86	71.6	11.73
	23	35.1	6.61	39.6	7.28	44.1	7.95	48.8	8.62	53.4	9.29	57.9	9.94	67.1	11.53	71.6	12.46
	25	35.1	6.84	39.6	7.54	44.1	8.24	48.8	8.94	53.4	9.62	57.9	10.35	67.1	12.23	71.6	13.23
	27	35.1	7.07	39.6	7.80	44.1	8.53	48.8	9.26	53.4	10.00	57.9	10.96	67.1	12.97	71.6	14.03
	30	35.1	7.44	39.6	8.21	44.1	8.98	48.8	9.88	53.4	10.89	57.9	11.92	67.1	14.13	71.6	15.31
	33	35.1	7.82	39.6	8.66	44.1	9.68	48.8	10.73	53.4	11.82	57.9	12.97	67.1	15.40	71.6	16.68
	35	35.1	8.09	39.6	9.13	44.1	10.20	48.8	11.31	53.4	12.49	57.9	13.70	67.1	16.29	71.6	17.66
	37	35.1	8.53	39.6	9.62	44.1	10.76	48.8	11.95	53.4	13.19	57.9	14.47	67.1	17.22	71.6	18.69
	40	35.1	9.20	39.6	10.39	44.1	11.63	48.8	12.94	53.4	14.29	57.9	15.72	67.1	18.82	71.6	20.51
	43	35.1	9.91	39.6	11.22	44.1	12.62	48.8	14.09	53.4	15.63	57.9	17.25	67.1	20.73	71.6	22.59
	46	35.1	10.77	39.6	12.24	44.1	13.80	48.8	15.44	53.4	17.16	57.9	18.95	67.1	22.81	71.6	24.89

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳360LALH

● Capacity : 112.0 kW (40HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
168.0 (150%)	10	110.4	17.21	124.7	19.26	139.1	21.29	153.5	24.55	161.6	26.47	164.9	26.71	171.2	27.16	174.3	27.40
	15	110.4	17.38	124.7	20.83	139.1	24.71	152.9	28.88	156.0	29.12	159.2	29.36	165.2	29.85	168.2	30.09
	21	110.4	21.08	124.7	25.29	139.1	29.99	146.2	32.03	149.1	32.30	151.9	32.55	157.9	33.07	160.6	33.34
	23	110.4	22.44	124.7	26.93	139.1	31.97	143.9	33.08	146.8	33.35	149.6	33.63	155.3	34.15	158.2	34.43
	25	110.4	23.88	124.7	28.65	138.9	33.88	141.5	34.16	144.4	34.43	147.2	34.69	152.8	35.24	155.6	35.51
	27	110.4	25.38	124.7	30.49	136.5	34.93	139.2	35.21	142.1	35.49	144.8	35.76	150.2	36.35	153.1	36.70
	30	110.4	27.81	124.7	33.43	133.1	36.71	135.8	37.06	138.4	37.43	141.1	37.78	146.7	38.48	149.5	38.83
	33	110.4	30.51	124.7	37.20	129.7	38.84	132.1	39.19	134.8	39.54	137.5	39.89	143.1	40.61	145.7	40.96
	35	110.4	32.74	124.7	39.87	127.3	40.24	129.8	40.59	132.5	40.95	135.1	41.32	140.5	42.02	143.1	42.37
	37	110.4	35.10	122.4	41.29	125.0	41.65	127.4	42.02	130.1	42.37	132.7	42.72	138.1	43.44	140.7	43.79
	40	110.4	38.98	118.9	43.40	121.4	43.77	124.0	44.13	126.4	44.50	129.1	44.85	134.3	45.55	136.8	45.92
	43	110.4	43.27	115.3	45.52	117.9	45.88	120.3	46.25	122.9	46.61	125.4	46.98	130.4	47.69	133.0	48.03
	46	109.3	47.25	111.9	47.63	114.3	48.01	116.7	48.36	119.3	48.74	121.7	49.09	126.7	49.82	129.3	50.17
156.8 (140%)	10	103.0	16.17	116.4	18.08	129.8	19.97	143.2	21.92	156.8	25.42	162.3	26.53	168.6	26.98	171.6	27.20
	15	103.0	16.17	116.4	18.78	129.8	22.14	143.2	25.90	153.8	28.92	156.6	29.16	162.6	29.65	165.6	29.89
	21	103.0	19.13	116.4	22.79	129.8	26.89	143.2	31.45	146.9	32.10	149.8	32.37	155.5	32.86	158.5	33.13
	23	103.0	20.35	116.4	24.26	129.8	28.64	141.8	32.90	144.8	33.17	147.5	33.42	153.2	33.95	155.9	34.22
	25	103.0	21.64	116.4	25.82	129.8	30.49	139.5	33.96	142.4	34.23	145.2	34.50	150.8	35.03	153.5	35.30
	27	103.0	23.00	116.4	27.46	129.8	32.44	137.4	35.03	140.1	35.31	142.8	35.56	148.2	36.11	150.9	36.45
	30	103.0	25.17	116.4	30.08	129.8	35.70	133.8	36.84	136.5	37.19	139.2	37.54	144.7	38.23	147.4	38.58
	33	103.0	27.54	116.4	33.20	127.8	38.60	130.4	38.95	133.1	39.30	135.8	39.65	141.1	40.36	143.8	40.71
	35	103.0	29.43	116.4	35.64	125.7	40.01	128.1	40.38	130.8	40.73	133.4	41.08	138.7	41.77	141.4	42.12
	37	103.0	31.53	116.4	38.24	123.4	41.43	126.0	41.78	128.4	42.13	131.0	42.48	136.1	43.20	138.8	43.55
	40	103.0	34.96	116.4	42.51	120.0	43.54	122.4	43.91	125.0	44.26	127.4	44.62	132.4	45.34	135.1	45.68
	43	103.0	38.75	114.0	45.29	116.4	45.67	118.9	46.02	121.3	46.40	123.7	46.75	128.8	47.47	131.4	47.82
	46	103.0	42.99	110.6	47.42	112.9	47.80	115.3	48.15	117.7	48.53	120.3	48.88	125.0	49.60	127.6	49.95
145.6 (130%)	10	95.7	15.12	108.1	16.89	120.7	18.65	133.1	20.42	145.5	22.44	157.9	25.77	165.6	26.77	168.6	26.99
	15	95.7	15.12	108.1	16.89	120.7	19.78	133.1	22.98	145.5	26.56	154.2	28.95	159.9	29.43	162.9	29.67
	21	95.7	17.26	108.1	20.46	120.7	24.00	133.1	27.93	144.5	31.89	147.5	32.14	153.1	32.65	155.9	32.90
	23	95.7	18.37	108.1	21.78	120.7	25.55	133.1	29.75	142.4	32.94	145.2	33.21	150.8	33.73	153.5	33.98
	25	95.7	19.53	108.1	23.17	120.7	27.19	133.1	31.67	140.1	34.02	142.8	34.27	148.4	34.81	151.1	35.06
	27	95.7	20.75	108.1	24.62	120.7	28.93	133.1	33.70	137.8	35.07	140.5	35.35	145.9	35.90	148.6	36.15
	30	95.7	22.70	108.1	26.98	120.7	31.72	131.8	36.57	134.5	36.92	137.1	37.26	142.5	37.93	145.1	38.28
	33	95.7	24.82	108.1	29.53	120.7	35.14	128.7	38.70	131.1	39.05	133.7	39.40	139.0	40.09	141.5	40.41
	35	95.7	26.33	108.1	31.67	120.7	37.74	126.4	40.11	128.8	40.46	131.4	40.80	136.7	41.50	139.1	41.84
	37	95.7	28.22	108.1	33.97	120.7	40.51	124.0	41.53	126.7	41.88	129.1	42.23	134.1	42.93	136.8	43.27
	40	95.7	31.26	108.1	37.69	118.3	43.29	120.7	43.67	123.1	44.02	125.7	44.37	130.7	45.06	133.1	45.41
	43	95.7	34.59	108.1	41.82	114.7	45.43	117.3	45.78	119.7	46.15	122.0	46.50	127.0	47.20	129.4	47.55
	46	95.7	38.30	108.1	46.46	111.3	47.56	113.7	47.91	116.0	48.28	118.6	48.64	123.3	49.34	125.7	49.68
134.4 (120%)	10	88.3	14.07	99.7	15.69	111.3	17.32	122.7	18.96	134.4	20.60	145.8	22.51	162.2	26.53	165.3	26.74
	15	88.3	14.07	99.7	15.69	111.3	17.57	122.7	20.31	134.4	23.33	145.8	26.63	156.9	29.19	159.6	29.40
	21	88.3	15.52	99.7	18.30	111.3	21.33	122.7	24.66	134.4	28.32	144.8	31.89	150.2	32.40	152.9	32.65
	23	88.3	16.53	99.7	19.46	111.3	22.69	122.7	26.27	134.4	30.17	142.5	32.97	147.9	33.46	150.6	33.73
	25	88.3	17.55	99.7	20.70	111.3	24.15	122.7	27.95	134.4	32.13	140.4	34.02	145.8	34.54	148.4	34.81
	27	88.3	18.65	99.7	22.00	111.3	25.68	122.7	29.73	134.4	34.22	138.1	35.10	143.4	35.63	146.1	35.90
	30	88.3	20.37	99.7	24.06	111.3	28.13	122.7	32.60	132.1	36.61	134.8	36.95	140.1	37.62	142.5	37.96
	33	88.3	22.26	99.7	26.32	111.3	30.89	122.7	36.20	129.0	38.74	131.4	39.09	136.5	39.75	139.1	40.10
	35	88.3	23.61	99.7	28.03	111.3	33.13	122.7	38.89	126.7	40.17	129.1	40.52	134.4	41.19	136.8	41.53
	37	88.3	25.12	99.7	30.03	111.3	35.55	122.0	41.23	124.4	41.58	127.0	41.93	132.0	42.62	134.4	42.96
	40	88.3	27.81	99.7	33.29	111.3	39.47	118.7	43.37	121.1	43.71	123.6	44.06	128.4	44.76	131.0	45.10
	43	88.3	30.74	99.7	36.87	111.3	43.82	115.3	45.50	117.7	45.87	120.0	46.22	125.0	46.92	127.4	47.26
	46	88.3	33.97	99.7	40.86	109.6	47.28	112.0	47.66	114.3	48.01	116.6	48.36	121.3	49.06	123.7	49.40
123.2 (110%)	10	80.9	13.01	91.6	14.50	102.0	16.00	112.6	17.52	123.1	19.02	133.5	20.52	154.5	24.87	161.3	26.47
	15	80.9	13.01	91.6	14.50	102.0	16.00	112.6	17.87	123.1	20.40	133.5	23.15	153.3	28.91	156.2	29.12
	21	80.9	13.89	91.6	16.25	102.0	18.85	112.6	21.67	123.1	24.74	133.5	28.11	146.9	32.10	149.8	32.34
	23	80.9	14.76	91.6	17.30	102.0	20.05	112.6	23.07	123.1	26.35	133.5	29.95	144.8	33.18	147.5	33.42
	25	80.9	15.70	91.6	18.38	102.0	21.33	112.6	24.54	123.1	28.05	133.5	31.88	142.7	34.26	145.2	34.51
	27	80.9	16.67	91.6	19.53	102.0	22.66	112.6	26.10	123.1	29.84	133.5	33.94	140.5	35.34	143.1	35.59
	30	80.9	18.21	91.6	21.37	102.0	24.82	112.6	28.59	123.1	32.73	132.1	36.60	137.1	37.26	139.7	37.58
	33	80.9	19.86	91.6	23.33	102.0	27.13	112.6	31.42	123.1	36.34	128.8	38.74	133.8	39.40	136.4	39.74
	35	80.9	21.04	91.6	24.76	102.0	28.97	112.6	33.73	123.1	39.03	126.7	40.17	131.7	40.83	134.1	41.18
	37	80.9	22.29	91.6	26.43	102.0	31.04	112.6	36.18	122.1	41.26	124.4	41.58	129.4	42.27	131.8	42.61
	40	80.9	24.63	91.6	29.24	102.0	34.41	112.6	40.17	118.9	43.39	121.3	43.74	126.0	44.41	128.4	44.75
	43	80.9	27.19	91.6	32.35	102.0	38.15	112.6	44.63	115.6	45.53	117.9	45.88	122.6	46.57	125.0	46.92
	46	80.9	30.01	91.6	35.78	102.0	42.29	109.9	47.32	112.3	47.69	114.6	48.04	119.2	48.74	121.4	49.08

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ∗360LALH

● Capacity : 112.0 kW (40HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
112.0 (100%)	10	73.6	11.96	83.2	13.32	92.7	14.70	102.3	16.06	112.0	17.42	121.4	18.78	140.5	21.50	150.1	23.65
	15	73.6	11.96	83.2	13.32	92.7	14.70	102.3	16.06	112.0	17.70	121.4	19.99	140.5	25.11	150.1	27.99
	21	73.6	12.35	83.2	14.37	92.7	16.56	102.3	18.92	112.0	21.49	121.4	24.25	140.5	30.51	145.9	32.02
	23	73.6	13.13	83.2	15.28	92.7	17.61	102.3	20.14	112.0	22.86	121.4	25.82	140.5	32.50	143.8	33.08
	25	73.6	13.95	83.2	16.25	92.7	18.72	102.3	21.41	112.0	24.33	121.4	27.49	139.2	33.92	141.8	34.16
	27	73.6	14.80	83.2	17.24	92.7	19.88	102.3	22.76	112.0	25.86	121.4	29.24	137.1	35.00	139.5	35.25
	30	73.6	16.15	83.2	18.84	92.7	21.76	102.3	24.90	112.0	28.34	121.4	32.07	133.8	36.84	136.4	37.16
	33	73.6	17.62	83.2	20.57	92.7	23.78	102.3	27.24	112.0	31.14	121.4	35.56	130.7	38.99	133.1	39.32
	35	73.6	18.64	83.2	21.80	92.7	25.21	102.3	29.09	112.0	33.41	121.4	38.19	128.7	40.42	131.0	40.76
	37	73.6	19.75	83.2	23.10	92.7	26.93	102.3	31.18	112.0	35.83	121.4	40.99	126.4	41.86	128.8	42.20
	40	73.6	21.66	83.2	25.54	92.7	29.83	102.3	34.57	112.0	39.79	118.6	43.36	123.3	44.02	125.6	44.36
	43	73.6	23.88	83.2	28.23	92.7	33.01	102.3	38.30	112.0	44.20	115.3	45.50	120.0	46.19	122.3	46.51
	46	73.6	26.32	83.2	31.16	92.7	36.52	102.3	42.47	109.9	47.32	112.0	47.66	116.6	48.35	118.9	48.68
100.8 (90%)	10	66.2	10.91	74.9	12.13	83.3	13.38	92.0	14.60	100.7	15.82	109.3	17.04	126.4	19.51	135.1	20.73
	15	66.2	10.91	74.9	12.13	83.3	13.38	92.0	14.60	100.7	15.82	109.3	17.11	126.4	21.27	135.1	23.57
	21	66.2	11.12	74.9	12.60	83.3	14.44	92.0	16.39	100.7	18.51	109.3	20.77	126.4	25.81	135.1	28.63
	23	66.2	11.59	74.9	13.40	83.3	15.35	92.0	17.44	100.7	19.70	109.3	22.10	126.4	27.49	135.1	30.49
	25	66.2	12.29	74.9	14.24	83.3	16.32	92.0	18.55	100.7	20.95	109.3	23.52	126.4	29.27	135.1	32.47
	27	66.2	13.05	74.9	15.11	83.3	17.31	92.0	19.70	100.7	22.25	109.3	25.00	126.4	31.15	135.1	34.57
	30	66.2	14.24	74.9	16.50	83.3	18.93	92.0	21.55	100.7	24.36	109.3	27.39	126.4	34.16	132.5	36.67
	33	66.2	15.50	74.9	17.97	83.3	20.65	92.0	23.54	100.7	26.64	109.3	30.02	126.4	38.08	129.4	38.82
	35	66.2	16.40	74.9	19.05	83.3	21.90	92.0	24.97	100.6	28.39	109.3	32.19	125.1	39.94	127.4	40.27
	37	66.2	17.35	74.9	20.16	83.3	23.20	92.0	26.66	100.7	30.42	109.3	34.53	123.0	41.39	125.4	41.71
	40	66.2	18.91	74.9	22.15	83.3	25.67	92.0	29.52	100.7	33.73	109.3	38.32	120.0	43.56	122.3	43.88
	43	66.2	20.83	74.9	24.43	83.3	28.37	92.0	32.66	100.7	37.36	109.3	42.53	116.7	45.73	119.0	46.05
	46	66.2	22.93	74.9	26.92	83.3	31.31	92.0	36.13	100.7	41.42	109.3	47.22	113.6	47.90	115.7	48.22
89.6 (80%)	10	58.8	9.86	66.5	10.95	74.2	12.05	81.9	13.14	89.6	14.22	97.0	15.33	112.4	17.49	120.1	18.58
	15	58.8	9.86	66.5	10.95	74.2	12.05	81.9	13.14	89.6	14.22	97.0	15.33	112.4	17.84	120.1	19.65
	21	58.8	10.05	66.5	11.16	74.2	12.46	81.9	14.07	89.6	15.80	97.0	17.61	112.4	21.64	120.1	23.86
	23	58.8	10.45	66.5	11.66	74.2	13.26	81.9	14.97	89.6	16.80	97.0	18.75	112.4	23.04	120.1	25.40
	25	58.8	10.84	66.5	12.36	74.2	14.07	81.9	15.91	89.6	17.86	97.0	19.94	112.4	24.51	120.1	27.04
	27	58.8	11.39	66.5	13.12	74.2	14.94	81.9	16.89	89.6	18.97	97.0	21.19	112.4	26.07	120.1	28.75
	30	58.8	12.43	66.5	14.31	74.2	16.30	81.9	18.45	89.6	20.74	97.0	23.18	112.4	28.55	120.1	31.52
	33	58.8	13.51	66.5	15.57	74.2	17.79	81.9	20.13	89.6	22.64	97.0	25.32	112.4	31.38	120.1	34.90
	35	58.8	14.28	66.5	16.48	74.2	18.84	81.9	21.34	89.6	24.00	97.0	26.92	112.4	33.69	120.1	37.49
	37	58.8	15.09	66.5	17.44	74.2	19.93	81.9	22.60	89.6	25.60	97.0	28.84	112.4	36.14	120.1	40.23
	40	58.8	16.40	66.5	19.02	74.2	21.88	81.9	24.98	89.6	28.33	97.0	31.96	112.4	40.13	118.3	43.32
	43	58.8	17.98	66.5	20.94	74.2	24.14	81.9	27.60	89.6	31.33	97.0	35.38	112.4	44.56	115.3	45.50
	46	58.8	19.76	66.5	23.04	74.2	26.60	81.9	30.44	89.6	34.63	97.0	39.18	110.0	47.35	112.3	47.69
78.4 (70%)	10	51.5	8.82	58.2	9.76	64.9	10.73	71.6	11.68	78.3	12.62	84.9	13.59	98.3	15.50	105.0	16.45
	15	51.5	8.82	58.2	9.76	64.9	10.73	71.6	11.68	78.3	12.62	84.9	13.59	98.3	15.50	105.0	16.45
	21	51.5	8.99	58.2	9.96	64.9	10.94	71.6	11.94	78.3	13.33	84.9	14.76	98.3	17.92	105.0	19.65
	23	51.5	9.31	58.2	10.35	64.9	11.36	71.6	12.70	78.3	14.16	84.9	15.70	98.3	19.07	105.0	20.91
	25	51.5	9.66	58.2	10.73	64.9	12.01	71.6	13.48	78.3	15.04	84.9	16.70	98.3	20.29	105.0	22.24
	27	51.5	10.03	58.2	11.25	64.9	12.74	71.6	14.31	78.3	15.98	84.9	17.72	98.3	21.55	105.0	23.63
	30	51.5	10.72	58.2	12.26	64.9	13.89	71.6	15.61	78.3	17.44	84.9	19.37	98.3	23.58	105.0	25.87
	33	51.5	11.64	58.2	13.34	64.9	15.12	71.6	17.03	78.3	19.02	84.9	21.14	98.3	25.78	105.0	28.31
	35	51.5	12.30	58.2	14.10	64.9	15.99	71.6	18.01	78.3	20.16	84.9	22.42	98.3	27.44	105.0	30.30
	37	51.5	12.99	58.2	14.91	64.9	16.93	71.6	19.08	78.3	21.35	84.9	23.80	98.3	29.40	105.0	32.48
	40	51.5	14.08	58.2	16.19	64.9	18.43	71.6	20.88	78.3	23.52	84.9	26.34	98.3	32.56	105.0	36.02
	43	51.5	15.34	58.2	17.74	64.9	20.29	71.6	23.03	78.3	25.96	84.9	29.10	98.3	36.06	105.0	39.94
	46	51.5	16.84	58.2	19.49	64.9	22.34	71.6	25.37	78.3	28.63	84.9	32.12	98.3	39.95	105.0	44.33
67.2 (60%)	10	44.1	7.77	49.8	8.58	55.5	9.41	61.2	10.22	67.2	11.04	72.9	11.85	84.3	13.49	90.0	14.32
	15	44.1	7.77	49.8	8.58	55.5	9.41	61.2	10.22	67.2	11.04	72.9	11.85	84.3	13.49	90.0	14.32
	21	44.1	7.91	49.8	8.75	55.5	9.58	61.2	10.42	67.2	11.26	72.9	12.19	84.3	14.62	90.0	15.93
	23	44.1	8.19	49.8	9.07	55.5	9.94	61.2	10.81	67.2	11.77	72.9	12.96	84.3	15.55	90.0	16.95
	25	44.1	8.50	49.8	9.41	55.5	10.32	61.2	11.28	67.2	12.49	72.9	13.78	84.3	16.53	90.0	18.00
	27	44.1	8.79	49.8	9.76	55.5	10.70	61.2	11.94	67.2	13.24	72.9	14.62	84.3	17.55	90.0	19.12
	30	44.1	9.27	49.8	10.35	55.5	11.66	61.2	13.02	67.2	14.45	72.9	15.95	84.3	19.18	90.0	20.92
	33	44.1	9.90	49.8	11.25	55.5	12.68	61.2	14.17	67.2	15.74	72.9	17.38	84.3	20.93	90.0	22.84
	35	44.1	10.45	49.8	11.88	55.5	13.40	61.2	14.98	67.2	16.65	72.9	18.42	84.3	22.19	90.0	24.21
	37	44.1	11.01	49.8	12.54	55.5	14.15	61.2	15.85	67.2	17.62	72.9	19.48	84.3	23.55	90.0	25.84
	40	44.1	11.92	49.8	13.59	55.5	15.36	61.2	17.21	67.2	19.22	72.9	21.36	84.3	26.03	90.0	28.58
	43	44.1	12.90	49.8	14.80	55.5	16.80	61.2	18.92	67.2	21.18	72.9	23.56	84.3	28.76	90.0	31.62
	46	44.1	14.12	49.8	16.23	55.5	18.44	61.2	20.81	67.2	23.31	72.9	25.97	84.3	31.77	90.0	34.95
56.0 (50%)	10	36.8	6.72	41.5	7.39	46.2	8.08	51.1	8.75	55.9	9.44	60.6	10.11	70.2	11.50	74.9	12.17
	15	36.8	6.72	41.5	7.39	46.2	8.08	51.1	8.75	55.9	9.44	60.6	10.11	70.2	11.50	74.9	12.17
	21	36.8	6.83	41.5	7.53	46.2	8.23	51.1	8.92	55.9	9.62	60.6	10.32	70.2	11.71	74.9	12.64
	23	36.8	7.08	41.5	7.81	46.2	8.54	51.1	9.27	55.9	10.00	60.6	10.71	70.2	12.42	74.9	13.44
	25	36.8	7.32	41.5	8.09	46.2	8.85	51.1	9.61	55.9	10.36	60.6	11.14	70.2	13.19	74.9	14.27
	27	36.8	7.57	41.5	8.37	46.2	9.17	51.1	9.96	55.9	10.76	60.6	11.80	70.2	13.99	74.9	15.15
	30	36.8	7.98	41.5	8.82	46.2	9.66	51.1	10.63	55.9	11.73	60.6	12.85	70.2	15.26	74.9	16.54
	33	36.8	8.39	41.5	9.30	46.2	10.41	51.1	11.56	55.9	12.75	60.6	14.00	70.2	16.64	74.9	18.04
	35	36.8	8.68	41.5	9.82	46.2	10.98	51.1	12.20	55.9	13.48	60.6	14.80	70.2	17.62	74.9	19.11
	37	36.8	9.16	41.5	10.35	46.2	11.60	51.1	12.89	55.9	14.24	60.6	15.64	70.2	18.63	74.9	20.23
	40	36.8	9.89	41.5	11.19	46.2	12.55	51.1	13.97	55.9	15.44	60.6	17.00	70.2	20.38	74.9	22.22
	43	36.8	10.67	41.5	12.10	46.2	13.62	51.1	15.22	55.9	16.90	60.6	18.67	70.2	22.47	74.9	24.50
	46	36.8	11.61	41.5	13.21	46.2	14.92	51.1	16.70	55.9	18.57	60.6	20.53	70.2	24.75	74.9	27.02

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳378LALH

● Capacity : 118.5 kW (42HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
177.8 (150%)	10	116.8	18.21	132.0	20.37	147.2	22.52	162.4	25.96	171.0	28.00	174.4	28.25	181.1	28.73	184.4	28.98
	15	116.8	18.39	132.0	22.04	147.2	26.13	161.8	30.54	165.1	30.79	168.4	31.04	174.8	31.56	177.9	31.82
	21	116.8	22.30	132.0	26.74	147.2	31.72	154.7	33.87	157.7	34.15	160.8	34.41	167.0	34.96	170.0	35.25
	23	116.8	23.74	132.0	28.48	147.2	33.80	152.3	34.98	155.3	35.26	158.3	35.55	164.4	36.10	167.4	36.40
	25	116.8	25.26	132.0	30.30	147.0	35.82	149.8	36.11	152.8	36.39	155.8	36.68	161.7	37.25	164.7	37.54
	27	116.8	26.84	132.0	32.24	144.4	36.93	147.3	37.22	150.3	37.52	153.2	37.80	159.0	38.43	162.0	38.80
	30	116.8	29.40	132.0	35.35	140.8	38.81	143.7	39.18	146.4	39.56	149.3	39.93	155.2	40.67	158.2	41.04
	33	116.8	32.26	132.0	39.32	137.2	41.05	139.8	41.42	142.7	41.79	145.5	42.17	151.4	42.92	154.1	43.29
	35	116.8	34.61	131.9	42.15	134.7	42.53	137.4	42.90	140.2	43.29	143.0	43.67	148.7	44.41	151.4	44.78
	37	116.8	37.11	129.5	43.64	132.2	44.02	134.9	44.41	137.7	44.78	140.4	45.15	146.1	45.91	148.8	46.28
	40	116.8	41.20	125.8	45.87	128.5	46.26	131.2	46.64	133.8	47.03	136.6	47.40	142.1	48.14	144.8	48.53
	43	116.8	45.73	122.0	48.10	124.7	48.49	127.3	48.88	130.0	49.26	132.7	49.65	138.0	50.40	140.7	50.76
	46	115.7	49.94	118.4	50.34	120.9	50.73	123.5	51.11	126.2	51.51	128.8	51.88	134.1	52.65	136.8	53.02
165.9 (140%)	10	109.0	17.11	123.2	19.13	137.4	21.13	151.6	23.18	165.9	26.88	171.7	28.05	178.3	28.53	181.6	28.77
	15	109.0	17.11	123.2	19.87	137.4	23.42	151.6	27.39	162.7	30.58	165.7	30.84	172.1	31.35	175.2	31.61
	21	109.0	20.24	123.2	24.11	137.4	28.43	151.6	33.26	155.5	33.94	158.5	34.22	164.5	34.74	167.7	35.02
	23	109.0	21.53	123.2	25.66	137.4	30.28	150.1	34.78	153.2	35.06	156.1	35.33	162.1	35.89	165.0	36.17
	25	109.0	22.89	123.2	27.30	137.4	32.24	147.7	35.91	150.6	36.19	153.6	36.47	159.5	37.03	162.4	37.32
	27	109.0	24.32	123.2	29.03	137.4	34.30	145.3	37.03	148.2	37.32	151.1	37.60	156.8	38.18	159.7	38.53
	30	109.0	26.62	123.2	31.81	137.4	37.74	141.6	38.94	144.5	39.31	147.3	39.68	153.1	40.41	155.9	40.78
	33	109.0	29.12	123.2	35.10	135.3	40.80	138.0	41.17	140.8	41.54	143.7	41.91	149.3	42.65	152.1	43.02
	35	109.0	31.11	123.2	37.67	133.0	42.29	135.6	42.68	138.4	43.05	141.2	43.42	146.7	44.15	149.6	44.52
	37	109.0	33.33	123.2	40.42	130.6	43.79	133.3	44.16	135.9	44.53	138.6	44.90	144.1	45.66	146.9	46.03
	40	109.0	36.96	123.2	44.93	126.9	46.02	129.5	46.40	132.2	46.78	134.8	47.16	140.2	47.91	143.0	48.27
	43	109.0	40.96	120.6	47.87	123.2	48.27	125.8	48.64	128.4	49.04	130.9	49.41	136.3	50.16	139.0	50.53
	46	109.0	45.43	117.0	50.11	119.4	50.51	122.0	50.89	124.6	51.28	127.3	51.66	132.3	52.41	135.0	52.78
154.1 (130%)	10	101.3	16.00	114.4	17.87	127.7	19.74	140.8	21.60	154.0	23.73	167.1	27.25	175.2	28.31	178.4	28.54
	15	101.3	16.00	114.4	17.87	127.7	20.92	140.8	24.31	154.0	28.09	163.1	30.61	169.2	31.12	172.3	31.37
	21	101.3	18.27	114.4	21.65	127.7	25.38	140.8	29.53	152.9	33.72	156.0	33.98	161.9	34.52	164.9	34.78
	23	101.3	19.44	114.4	23.04	127.7	27.03	140.8	31.45	150.6	34.83	153.6	35.11	159.5	35.66	162.4	35.92
	25	101.3	20.67	114.4	24.50	127.7	28.76	140.8	33.48	148.3	35.96	151.1	36.23	157.0	36.80	159.8	37.07
	27	101.3	21.95	114.4	26.04	127.7	30.59	140.8	35.63	145.8	37.08	148.7	37.37	154.4	37.95	157.3	38.22
	30	101.3	24.01	114.4	28.53	127.7	33.53	139.5	38.66	142.3	39.03	145.1	39.38	150.8	40.10	153.5	40.47
	33	101.3	26.24	114.4	31.22	127.7	37.14	136.1	40.90	138.7	41.27	141.5	41.64	147.0	42.37	149.8	42.72
	35	101.3	27.85	114.4	33.49	127.7	39.89	133.7	42.40	136.3	42.77	139.0	43.13	144.6	43.87	147.2	44.22
	37	101.3	29.84	114.4	35.91	127.7	42.82	131.2	43.89	134.0	44.26	136.6	44.63	141.9	45.37	144.8	45.73
	40	101.3	33.05	114.4	39.84	125.1	45.76	127.7	46.15	130.3	46.52	133.0	46.89	138.3	47.62	140.9	47.99
	43	101.3	36.57	114.4	44.20	121.4	48.01	124.1	48.39	126.7	48.77	129.1	49.14	134.4	49.88	137.0	50.25
	46	101.3	40.48	114.4	49.09	117.8	50.26	120.3	50.64	122.8	51.02	125.5	51.40	130.5	52.15	133.1	52.51
142.2 (120%)	10	93.4	14.89	105.5	16.61	117.7	18.33	129.8	20.06	142.2	21.80	154.3	23.81	171.6	28.05	174.9	28.28
	15	93.4	14.89	105.5	16.61	117.7	18.60	129.8	21.49	142.2	24.68	154.3	28.17	166.0	30.86	168.9	31.09
	21	93.4	16.43	105.5	19.36	117.7	22.56	129.8	26.08	142.2	29.95	153.2	33.72	158.9	34.25	161.8	34.51
	23	93.4	17.49	105.5	20.59	117.7	24.01	129.8	27.78	142.2	31.91	150.8	34.85	156.5	35.38	159.4	35.65
	25	93.4	18.58	105.5	21.90	117.7	25.54	129.8	29.56	142.2	33.97	148.5	35.97	154.2	36.52	157.0	36.80
	27	93.4	19.73	105.5	23.27	117.7	27.15	129.8	31.44	142.2	36.17	146.1	37.10	151.7	37.67	154.5	37.95
	30	93.4	21.56	105.5	25.45	117.7	29.74	129.8	34.47	139.8	38.70	142.6	39.06	148.2	39.77	150.8	40.12
	33	93.4	23.55	105.5	27.83	117.7	32.66	129.8	38.27	136.4	40.95	139.1	41.32	144.5	42.02	147.2	42.39
	35	93.4	24.97	105.5	29.64	117.7	35.03	129.8	41.10	134.1	42.45	136.7	42.82	142.2	43.54	144.8	43.90
	37	93.4	26.57	105.5	31.75	117.7	37.58	129.1	43.58	131.7	43.95	134.4	44.32	139.6	45.05	142.2	45.40
	40	93.4	29.41	105.5	35.19	117.7	41.72	125.6	45.84	128.2	46.20	130.7	46.57	135.9	47.31	138.6	47.67
	43	93.4	32.50	105.5	38.98	117.7	46.31	122.0	48.09	124.6	48.47	127.0	48.84	132.2	49.58	134.8	49.94
	46	93.4	35.91	105.5	43.19	116.0	49.97	118.5	50.36	120.9	50.73	123.4	51.11	128.4	51.85	130.9	52.21
130.4 (110%)	10	85.6	13.78	96.9	15.36	107.9	16.94	119.1	18.53	130.3	20.12	141.3	21.70	163.5	26.30	170.7	27.99
	15	85.6	13.78	96.9	15.36	107.9	16.94	119.1	18.91	130.3	21.58	141.3	24.49	162.2	30.56	165.3	30.79
	21	85.6	14.71	96.9	17.20	107.9	19.94	119.1	22.92	130.3	26.17	141.3	29.73	155.5	33.94	158.4	34.19
	23	85.6	15.63	96.9	18.31	107.9	21.22	119.1	24.40	130.3	27.87	141.3	31.66	153.2	35.08	156.1	35.33
	25	85.6	16.62	96.9	19.45	107.9	22.56	119.1	25.96	130.3	29.66	141.3	33.71	150.9	36.22	153.7	36.48
	27	85.6	17.64	96.9	20.66	107.9	23.97	119.1	27.60	130.3	31.55	141.3	35.88	148.7	37.36	151.4	37.62
	30	85.6	19.27	96.9	22.60	107.9	26.25	119.1	30.23	130.3	34.60	139.8	38.69	145.1	39.38	147.8	39.73
	33	85.6	21.02	96.9	24.68	107.9	28.69	119.1	33.22	130.3	38.42	136.3	40.95	141.6	41.65	144.3	42.00
	35	85.6	22.26	96.9	26.18	107.9	30.63	119.1	35.66	130.3	41.26	134.1	42.45	139.3	43.16	141.9	43.52
	37	85.6	23.58	96.9	27.94	107.9	32.82	119.1	38.25	129.2	43.61	131.7	43.95	136.9	44.68	139.5	45.03
	40	85.6	26.04	96.9	30.92	107.9	36.38	119.1	42.46	125.8	45.86	128.3	46.23	133.3	46.94	135.9	47.30
	43	85.6	28.75	96.9	34.20	107.9	40.32	119.1	47.17	122.3	48.12	124.7	48.49	129.7	49.22	132.3	49.58
	46	85.6	31.72	96.9	37.82	107.9	44.69	116.3	50.01	118.8	50.39	121.2	50.77	126.1	51.50	128.5	51.86

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳378LALH

● Capacity : 118.5 kW (42HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
118.5 (100%)	10	77.9	12.67	88.0	14.11	98.1	15.56	108.2	16.99	118.5	18.43	128.5	19.87	148.7	22.74	158.8	25.01
	15	77.9	12.67	88.0	14.11	98.1	15.56	108.2	16.99	118.5	18.73	128.5	21.15	148.7	26.56	158.8	29.60
	21	77.9	13.08	88.0	15.21	98.1	17.52	108.2	20.02	118.5	22.73	128.5	25.65	148.7	32.26	154.4	33.85
	23	77.9	13.91	88.0	16.18	98.1	18.64	108.2	21.31	118.5	24.18	128.5	27.31	148.7	34.36	152.2	34.98
	25	77.9	14.77	88.0	17.19	98.1	19.81	108.2	22.65	118.5	25.73	128.5	29.07	147.3	35.86	150.0	36.12
	27	77.9	15.67	88.0	18.25	98.1	21.04	108.2	24.07	118.5	27.35	128.5	30.92	145.1	37.00	147.7	37.27
	30	77.9	17.09	88.0	19.94	98.1	23.02	108.2	26.34	118.5	29.97	128.5	33.90	141.6	38.94	144.3	39.28
	33	77.9	18.64	88.0	21.76	98.1	25.15	108.2	28.81	118.5	32.92	128.5	37.59	138.3	41.21	140.9	41.56
	35	77.9	19.73	88.0	23.06	98.1	26.66	108.2	30.76	118.5	35.32	128.5	40.36	136.1	42.72	138.6	43.08
	37	77.9	20.89	88.0	24.43	98.1	28.48	108.2	32.96	118.5	37.88	128.5	43.32	133.8	44.25	136.3	44.60
	40	77.9	22.91	88.0	27.01	98.1	31.54	108.2	36.54	118.5	42.06	125.4	45.82	130.4	46.52	132.9	46.88
	43	77.9	25.26	88.0	29.85	98.1	34.89	108.2	40.49	118.5	46.71	122.0	48.09	126.9	48.81	129.4	49.16
	46	77.9	27.83	88.0	32.94	98.1	38.60	108.2	44.89	116.2	50.01	118.5	50.37	123.4	51.09	125.8	51.45
106.7 (90%)	10	70.0	11.56	79.2	12.85	88.2	14.16	97.4	15.45	106.6	16.74	115.6	18.04	133.8	20.64	143.0	21.93
	15	70.0	11.56	79.2	12.85	88.2	14.16	97.4	15.45	106.6	16.74	115.6	18.11	133.8	22.50	143.0	24.93
	21	70.0	11.78	79.2	13.35	88.2	15.28	97.4	17.35	106.6	19.59	115.6	21.97	133.8	27.30	143.0	30.27
	23	70.0	12.28	79.2	14.19	88.2	16.25	97.4	18.46	106.6	20.84	115.6	23.38	133.8	29.07	143.0	32.24
	25	70.0	13.02	79.2	15.07	88.2	17.27	97.4	19.63	106.6	22.16	115.6	24.88	133.8	30.95	143.0	34.33
	27	70.0	13.82	79.2	15.99	88.2	18.32	97.4	20.84	106.6	23.54	115.6	26.44	133.8	32.93	143.0	36.55
	30	70.0	15.07	79.2	17.46	88.2	20.02	97.4	22.79	106.6	25.76	115.6	28.96	133.8	36.11	140.3	38.76
	33	70.0	16.41	79.2	19.02	88.2	21.85	97.4	24.90	106.6	28.17	115.6	31.74	133.8	40.25	137.0	41.04
	35	70.0	17.36	79.2	20.15	88.2	23.16	97.4	26.40	106.5	30.02	115.6	34.04	132.4	42.22	134.8	42.56
	37	70.0	18.36	79.2	21.33	88.2	24.54	97.4	28.20	106.6	32.17	115.6	36.50	130.2	43.74	132.7	44.08
	40	70.0	20.00	79.2	23.42	88.2	27.14	97.4	31.21	106.6	35.65	115.6	40.51	127.0	46.03	129.4	46.38
	43	70.0	22.03	79.2	25.84	88.2	29.99	97.4	34.52	106.6	39.49	115.6	44.95	123.5	48.32	125.9	48.67
	46	70.0	24.25	79.2	28.47	88.2	33.10	97.4	38.19	106.6	43.77	115.6	49.90	120.2	50.62	122.5	50.96
94.8 (80%)	10	62.2	10.45	70.3	11.60	78.5	12.76	86.6	13.91	94.8	15.06	102.7	16.22	119.0	18.51	127.1	19.66
	15	62.2	10.45	70.3	11.60	78.5	12.76	86.6	13.91	94.8	15.06	102.7	16.22	119.0	18.88	127.1	20.79
	21	62.2	10.66	70.3	11.83	78.5	13.20	86.6	14.90	94.8	16.72	102.7	18.64	119.0	22.89	127.1	25.23
	23	62.2	11.07	70.3	12.35	78.5	14.04	86.6	15.85	94.8	17.78	102.7	19.84	119.0	24.37	127.1	26.86
	25	62.2	11.48	70.3	13.09	78.5	14.90	86.6	16.84	94.8	18.90	102.7	21.09	119.0	25.93	127.1	28.59
	27	62.2	12.07	70.3	13.89	78.5	15.82	86.6	17.88	94.8	20.07	102.7	22.41	119.0	27.57	127.1	30.40
	30	62.2	13.16	70.3	15.15	78.5	17.26	86.6	19.52	94.8	21.94	102.7	24.51	119.0	30.19	127.1	33.33
	33	62.2	14.30	70.3	16.48	78.5	18.82	86.6	21.30	94.8	23.95	102.7	26.78	119.0	33.18	127.1	36.89
	35	62.2	15.12	70.3	17.44	78.5	19.93	86.6	22.57	94.8	25.39	102.7	28.47	119.0	35.61	127.1	39.62
	37	62.2	15.98	70.3	18.45	78.5	21.09	86.6	23.90	94.8	27.07	102.7	30.49	119.0	38.20	127.1	42.52
	40	62.2	17.35	70.3	20.12	78.5	23.14	86.6	26.42	94.8	29.95	102.7	33.78	119.0	42.41	125.2	45.78
	43	62.2	19.03	70.3	22.15	78.5	25.53	86.6	29.18	94.8	33.12	102.7	37.39	119.0	47.10	122.0	48.09
	46	62.2	20.91	70.3	24.37	78.5	28.13	86.6	32.19	94.8	36.61	102.7	41.41	116.4	50.04	118.8	50.39
83.0 (70%)	10	54.5	9.35	61.6	10.35	68.7	11.37	75.8	12.37	82.9	13.37	89.8	14.39	104.0	16.40	111.1	17.41
	15	54.5	9.35	61.6	10.35	68.7	11.37	75.8	12.37	82.9	13.37	89.8	14.39	104.0	16.40	111.1	17.41
	21	54.5	9.53	61.6	10.55	68.7	11.59	75.8	12.65	82.9	14.11	89.8	15.63	104.0	18.97	111.1	20.79
	23	54.5	9.87	61.6	10.96	68.7	12.03	75.8	13.45	82.9	14.99	89.8	16.62	104.0	20.18	111.1	22.12
	25	54.5	10.24	61.6	11.37	68.7	12.72	75.8	14.28	82.9	15.92	89.8	17.67	104.0	21.46	111.1	23.52
	27	54.5	10.62	61.6	11.92	68.7	13.49	75.8	15.15	82.9	16.91	89.8	18.75	104.0	22.80	111.1	24.99
	30	54.5	11.36	61.6	12.99	68.7	14.71	75.8	16.53	82.9	18.46	89.8	20.50	104.0	24.94	111.1	27.36
	33	54.5	12.33	61.6	14.12	68.7	16.01	75.8	18.02	82.9	20.13	89.8	22.37	104.0	27.27	111.1	29.93
	35	54.5	13.03	61.6	14.93	68.7	16.93	75.8	19.06	82.9	21.33	89.8	23.71	104.0	29.01	111.1	32.03
	37	54.5	13.75	61.6	15.78	68.7	17.92	75.8	20.18	82.9	22.58	89.8	25.18	104.0	31.08	111.1	34.34
	40	54.5	14.91	61.6	17.13	68.7	19.50	75.8	22.09	82.9	24.88	89.8	27.85	104.0	34.43	111.1	38.08
	43	54.5	16.24	61.6	18.77	68.7	21.47	75.8	24.36	82.9	27.45	89.8	30.76	104.0	38.12	111.1	42.22
	46	54.5	17.83	61.6	20.62	68.7	23.63	75.8	26.83	82.9	30.27	89.8	33.96	104.0	42.22	111.1	46.85
71.1 (60%)	10	46.6	8.24	52.7	9.10	58.7	9.97	64.8	10.83	71.1	11.69	77.1	12.55	89.2	14.28	95.3	15.16
	15	46.6	8.24	52.7	9.10	58.7	9.97	64.8	10.83	71.1	11.69	77.1	12.55	89.2	14.28	95.3	15.16
	21	46.6	8.39	52.7	9.28	58.7	10.15	64.8	11.04	71.1	11.93	77.1	12.92	89.2	15.48	95.3	16.86
	23	46.6	8.69	52.7	9.62	58.7	10.54	64.8	11.46	71.1	12.47	77.1	13.73	89.2	16.46	95.3	17.94
	25	46.6	9.01	52.7	9.97	58.7	10.94	64.8	11.95	71.1	13.22	77.1	14.59	89.2	17.49	95.3	19.05
	27	46.6	9.33	52.7	10.34	58.7	11.34	64.8	12.65	71.1	14.02	77.1	15.47	89.2	18.57	95.3	20.24
	30	46.6	9.83	52.7	10.97	58.7	12.35	64.8	13.79	71.1	15.30	77.1	16.88	89.2	20.29	95.3	22.13
	33	46.6	10.49	52.7	11.92	58.7	13.43	64.8	15.00	71.1	16.66	77.1	18.39	89.2	22.14	95.3	24.16
	35	46.6	11.07	52.7	12.58	58.7	14.18	64.8	15.86	71.1	17.62	77.1	19.48	89.2	23.47	95.3	25.61
	37	46.6	11.66	52.7	13.28	58.7	14.98	64.8	16.77	71.1	18.64	77.1	20.61	89.2	24.91	95.3	27.32
	40	46.6	12.63	52.7	14.39	58.7	16.26	64.8	18.21	71.1	20.33	77.1	22.60	89.2	27.53	95.3	30.22
	43	46.6	13.66	52.7	15.66	58.7	17.78	64.8	20.02	71.1	22.40	77.1	24.92	89.2	30.41	95.3	33.43
	46	46.6	14.95	52.7	17.17	58.7	19.52	64.8	22.01	71.1	24.65	77.1	27.46	89.2	33.59	95.3	36.95
59.3 (50%)	10	38.9	7.13	43.9	7.84	48.9	8.57	54.0	9.28	59.2	10.01	64.2	10.72	74.3	12.18	79.3	12.89
	15	38.9	7.13	43.9	7.84	48.9	8.57	54.0	9.28	59.2	10.01	64.2	10.72	74.3	12.18	79.3	12.89
	21	38.9	7.25	43.9	7.99	48.9	8.73	54.0	9.46	59.2	10.20	64.2	10.94	74.3	12.40	79.3	13.39
	23	38.9	7.51	43.9	8.28	48.9	9.05	54.0	9.82	59.2	10.59	64.2	11.35	74.3	13.15	79.3	14.23
	25	38.9	7.77	43.9	8.58	48.9	9.38	54.0	10.18	59.2	10.98	64.2	11.80	74.3	13.96	79.3	15.11
	27	38.9	8.04	43.9	8.88	48.9	9.72	54.0	10.55	59.2	11.40	64.2	12.50	74.3	14.81	79.3	16.04
	30	38.9	8.46	43.9	9.35	48.9	10.24	54.0	11.27	59.2	12.42	64.2	13.61	74.3	16.16	79.3	17.51
	33	38.9	8.89	43.9	9.86	48.9	11.03	54.0	12.24	59.2	13.50	64.2	14.82	74.3	17.61	79.3	19.09
	35	38.9	9.21	43.9	10.40	48.9	11.64	54.0	12.92	59.2	14.27	64.2	15.66	74.3	18.64	79.3	20.21
	37	38.9	9.71	43.9	10.97	48.9	12.28	54.0	13.65	59.2	15.07	64.2	16.55	74.3	19.71	79.3	21.40
	40	38.9	10.48	43.9	11.86	48.9	13.29	54.0	14.79	59.2	16.35	64.2	17.99	74.3	21.56	79.3	23.50
	43	38.9	11.31	43.9	12.82	48.9	14.42	54.0	16.11	59.2	17.89	64.2	19.75	74.3	23.76	79.3	25.91
	46	38.9	12.30	43.9	13.99	48.9	15.79	54.0	17.68	59.2	19.65	64.2	21.72	74.3	26.17	79.3	28.57

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳396LALH

● Capacity : 123.5 kW (44HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
185.3 (150%)	10	121.8	19.51	137.5	21.84	153.4	24.16	169.3	27.80	178.3	30.02	181.9	30.29	188.8	30.80	192.3	31.07
	15	121.8	19.67	137.5	23.60	153.4	28.00	168.7	32.77	172.2	33.04	175.6	33.31	182.2	33.87	185.5	34.14
	21	121.8	23.89	137.5	28.68	153.4	34.03	161.3	36.37	164.4	36.67	167.6	36.96	174.2	37.55	177.2	37.85
	23	121.8	25.44	137.5	30.55	153.4	36.28	158.8	37.57	161.9	37.87	165.1	38.19	171.4	38.78	174.5	39.10
	25	121.8	27.09	137.5	32.52	153.3	38.48	156.1	38.80	159.2	39.10	162.4	39.41	168.5	40.03	171.7	40.33
	27	121.8	28.80	137.5	34.61	150.6	39.68	153.6	40.00	156.7	40.32	159.7	40.62	165.7	41.29	168.8	41.69
	30	121.8	31.56	137.5	37.97	146.8	41.71	149.8	42.11	152.6	42.52	155.6	42.92	161.7	43.72	164.9	44.12
	33	121.8	34.65	137.5	42.27	143.0	44.14	145.7	44.54	148.7	44.94	151.7	45.34	157.8	46.15	160.6	46.55
	35	121.8	37.19	137.5	45.33	140.3	45.74	143.2	46.14	146.2	46.56	149.0	46.97	155.0	47.77	157.8	48.17
	37	121.8	39.90	135.0	46.94	137.8	47.36	140.5	47.77	143.5	48.17	146.3	48.57	152.3	49.38	155.1	49.78
	40	121.8	44.33	131.0	49.36	133.9	49.77	136.7	50.19	139.4	50.60	142.4	51.00	148.0	51.80	150.9	52.21
	43	121.8	49.25	127.1	51.77	129.9	52.19	132.6	52.60	135.4	53.02	138.3	53.43	143.8	54.25	146.6	54.63
	46	120.5	53.76	123.3	54.19	126.0	54.62	128.7	55.02	131.5	55.45	134.2	55.85	139.7	56.68	142.5	57.08
172.9 (140%)	10	113.6	18.33	128.4	20.50	143.2	22.66	158.0	24.85	172.9	28.79	179.1	30.08	186.0	30.59	189.3	30.85
	15	113.6	18.33	128.4	21.27	143.2	25.08	158.0	29.36	169.6	32.82	172.8	33.09	179.4	33.65	182.7	33.92
	21	113.6	21.67	128.4	25.84	143.2	30.50	158.0	35.69	162.1	36.45	165.2	36.75	171.5	37.31	174.8	37.61
	23	113.6	23.06	128.4	27.52	143.2	32.50	156.4	37.36	159.7	37.66	162.7	37.95	169.0	38.56	172.0	38.86
	25	113.6	24.53	128.4	29.29	143.2	34.61	153.9	38.58	157.0	38.88	160.2	39.18	166.3	39.79	169.3	40.09
	27	113.6	26.08	128.4	31.16	143.2	36.83	151.5	39.79	154.5	40.11	157.5	40.40	163.5	41.02	166.5	41.40
	30	113.6	28.56	128.4	34.15	143.2	40.56	147.6	41.85	150.6	42.25	153.6	42.65	159.5	43.43	162.5	43.83
	33	113.6	31.26	128.4	37.72	141.0	43.87	143.8	44.27	146.8	44.67	149.8	45.07	155.6	45.86	158.6	46.26
	35	113.6	33.42	128.4	40.50	138.6	45.49	141.3	45.90	144.3	46.30	147.1	46.70	152.9	47.48	155.9	47.88
	37	113.6	35.82	128.4	43.48	136.1	47.10	138.9	47.50	141.6	47.90	144.4	48.30	150.1	49.11	153.1	49.51
	40	113.6	39.74	128.4	48.36	132.3	49.52	135.0	49.93	137.8	50.33	140.5	50.75	146.0	51.56	149.0	51.94
	43	113.6	44.08	125.7	51.52	128.4	51.95	131.0	52.35	133.7	52.78	136.4	53.18	142.1	53.99	144.9	54.39
	46	113.6	48.93	121.9	53.95	124.4	54.38	127.1	54.78	129.8	55.21	132.6	55.61	137.8	56.42	140.6	56.82
160.6 (130%)	10	105.6	17.13	119.3	19.14	133.1	21.16	146.8	23.17	160.5	25.41	174.2	29.19	182.7	30.35	186.0	30.61
	15	105.6	17.13	119.3	19.14	133.1	22.40	146.8	26.04	160.5	30.11	170.1	32.85	176.4	33.39	179.7	33.66
	21	105.6	19.55	119.3	23.19	133.1	27.21	146.8	31.68	159.4	36.21	162.7	36.50	168.8	37.07	172.0	37.36
	23	105.6	20.81	119.3	24.69	133.1	28.99	146.8	33.76	157.0	37.41	160.2	37.71	166.3	38.30	169.3	38.59
	25	105.6	22.14	119.3	26.27	133.1	30.86	146.8	35.95	154.5	38.64	157.5	38.93	163.6	39.53	166.6	39.82
	27	105.6	23.53	119.3	27.94	133.1	32.84	146.8	38.27	152.0	39.84	155.0	40.16	161.0	40.78	164.0	41.07
	30	105.6	25.75	119.3	30.62	133.1	36.02	145.4	41.55	148.4	41.95	151.2	42.33	157.2	43.10	160.0	43.50
	33	105.6	28.16	119.3	33.53	133.1	39.92	141.9	43.98	144.6	44.38	147.4	44.78	153.2	45.56	156.1	45.93
	35	105.6	29.89	119.3	35.98	133.1	42.90	139.4	45.60	142.1	46.00	144.9	46.38	150.7	47.18	153.4	47.56
	37	105.6	32.05	119.3	38.60	133.1	46.07	136.7	47.21	139.7	47.61	142.4	48.01	147.9	48.81	150.9	49.19
	40	105.6	35.52	119.3	42.86	130.4	49.23	133.1	49.66	135.8	50.06	138.6	50.46	144.1	51.24	146.8	51.64
	43	105.6	39.33	119.3	47.58	126.5	51.68	129.3	52.08	132.0	52.49	134.5	52.89	140.0	53.69	142.7	54.09
	46	105.6	43.57	119.3	52.90	122.7	54.11	125.4	54.51	127.9	54.92	130.7	55.34	135.9	56.14	138.6	56.52
148.2 (120%)	10	97.4	15.93	110.0	17.79	122.7	19.64	135.3	21.51	148.2	23.38	160.8	25.49	178.9	30.08	182.4	30.32
	15	97.4	15.93	110.0	17.79	122.7	19.90	135.3	23.01	148.2	26.44	160.8	30.19	173.1	33.12	176.1	33.36
	21	97.4	17.57	110.0	20.73	122.7	24.18	135.3	27.96	148.2	32.13	159.7	36.21	165.7	36.78	168.7	37.07
	23	97.4	18.72	110.0	22.06	122.7	25.73	135.3	29.80	148.2	34.24	157.2	37.44	163.2	38.00	166.2	38.30
	25	97.4	19.89	110.0	23.46	122.7	27.39	135.3	31.72	148.2	36.48	154.8	38.64	160.8	39.23	163.6	39.53
	27	97.4	21.13	110.0	24.95	122.7	29.13	135.3	33.75	148.2	38.86	152.3	39.87	158.1	40.48	161.1	40.78
	30	97.4	23.10	110.0	27.30	122.7	31.93	135.3	37.03	145.7	41.60	148.7	41.98	154.5	42.75	157.2	43.13
	33	97.4	25.26	110.0	29.87	122.7	35.08	135.3	41.14	142.2	44.03	144.9	44.43	150.6	45.18	153.4	45.58
	35	97.4	26.79	110.0	31.82	122.7	37.64	135.3	44.21	139.7	45.66	142.4	46.06	148.2	46.83	150.9	47.21
	37	97.4	28.52	110.0	34.11	122.7	40.41	134.5	46.88	137.2	47.28	140.0	47.68	145.5	48.46	148.2	48.84
	40	97.4	31.59	110.0	37.84	122.7	44.89	130.9	49.33	133.6	49.71	136.2	50.11	141.6	50.91	144.4	51.29
	43	97.4	34.93	110.0	41.94	122.7	49.87	127.1	51.76	129.8	52.17	132.3	52.57	137.8	53.37	140.5	53.75
	46	97.4	38.63	110.0	46.50	120.8	53.79	123.5	54.22	126.0	54.62	128.5	55.02	133.7	55.82	136.4	56.20
135.9 (110%)	10	89.2	14.74	101.0	16.43	112.5	18.14	124.1	19.86	135.8	21.57	147.3	23.28	170.4	28.17	178.0	30.02
	15	89.2	14.74	101.0	16.43	112.5	18.14	124.1	20.23	135.8	23.10	147.3	26.23	169.2	32.80	172.3	33.04
	21	89.2	15.72	101.0	18.40	112.5	21.35	124.1	24.56	135.8	28.06	147.3	31.89	162.1	36.45	165.2	36.72
	23	89.2	16.71	101.0	19.60	112.5	22.73	124.1	26.16	135.8	29.90	147.3	33.98	159.7	37.68	162.7	37.95
	25	89.2	17.78	101.0	20.83	112.5	24.18	124.1	27.84	135.8	31.83	147.3	36.19	157.3	38.91	160.2	39.20
	27	89.2	18.88	101.0	22.14	112.5	25.70	124.1	29.61	135.8	33.88	147.3	38.54	155.0	40.14	157.8	40.43
	30	89.2	20.64	101.0	24.23	112.5	28.16	124.1	32.46	135.8	37.17	145.7	41.58	151.2	42.33	154.0	42.70
	33	89.2	22.53	101.0	26.47	112.5	30.80	124.1	35.69	135.8	41.30	142.1	44.03	147.6	44.78	150.4	45.16
	35	89.2	23.87	101.0	28.10	112.5	32.89	124.1	38.33	135.8	44.37	139.7	45.66	145.2	46.41	147.9	46.81
	37	89.2	25.29	101.0	30.00	112.5	35.26	124.1	41.13	134.7	46.91	137.2	47.28	142.7	48.06	145.4	48.44
	40	89.2	27.96	101.0	33.22	112.5	39.12	124.1	45.69	131.0	49.34	133.7	49.74	138.9	50.51	141.6	50.89
	43	89.2	30.89	101.0	36.77	112.5	43.39	124.1	50.80	127.4	51.79	129.9	52.19	135.1	52.97	137.8	53.37
	46	89.2	34.10	101.0	40.69	112.5	48.13	121.1	53.84	123.8	54.25	126.3	54.65	131.3	55.45	133.9	55.83

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳396LALH

● Capacity : 123.5 kW (44HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
123.5 (100%)	10	81.2	13.54	91.7	15.09	102.3	16.65	112.8	18.20	123.5	19.75	133.9	21.30	155.0	24.40	165.5	26.78
	15	81.2	13.54	91.7	15.09	102.3	16.65	112.8	18.20	123.5	20.04	133.9	22.64	155.0	28.47	165.5	31.74
	21	81.2	13.96	91.7	16.26	102.3	18.75	112.8	21.43	123.5	24.35	133.9	27.50	155.0	34.62	161.0	36.35
	23	81.2	14.86	91.7	17.30	102.3	19.95	112.8	22.82	123.5	25.92	133.9	29.29	155.0	36.89	158.6	37.57
	25	81.2	15.78	91.7	18.40	102.3	21.21	112.8	24.28	123.5	27.60	133.9	31.19	153.6	38.53	156.4	38.80
	27	81.2	16.76	91.7	19.54	102.3	22.54	112.8	25.81	123.5	29.34	133.9	33.19	151.2	39.76	153.9	40.05
	30	81.2	18.29	91.7	21.36	102.3	24.68	112.8	28.26	123.5	32.17	133.9	36.42	147.6	41.85	150.4	42.22
	33	81.2	19.97	91.7	23.32	102.3	26.98	112.8	30.93	123.5	35.37	133.9	40.40	144.1	44.32	146.8	44.68
	35	81.2	21.14	91.7	24.73	102.3	28.61	112.8	33.04	123.5	37.96	133.9	43.41	141.9	45.95	144.4	46.33
	37	81.2	22.40	91.7	26.22	102.3	30.58	112.8	35.42	123.5	40.73	133.9	46.61	139.4	47.60	142.1	47.98
	40	81.2	24.57	91.7	29.00	102.3	33.89	112.8	39.29	123.5	45.26	130.7	49.31	135.9	50.06	138.4	50.44
	43	81.2	27.12	91.7	32.07	102.3	37.52	112.8	43.57	123.5	50.30	127.1	51.76	132.3	52.54	134.8	52.91
	46	81.2	29.90	91.7	35.41	102.3	41.54	112.8	48.34	121.1	53.84	123.5	54.22	128.5	55.00	131.0	55.39
111.2 (90%)	10	73.0	12.34	82.6	13.73	91.9	15.15	101.5	16.54	111.1	17.93	120.5	19.32	139.4	22.13	149.0	23.52
	15	73.0	12.34	82.6	13.73	91.9	15.15	101.5	16.54	111.1	17.93	120.5	19.37	139.4	24.09	149.0	26.71
	21	73.0	12.58	82.6	14.25	91.9	16.34	101.5	18.56	111.1	20.97	120.5	23.54	139.4	29.27	149.0	32.48
	23	73.0	13.10	82.6	15.16	91.9	17.38	101.5	19.76	111.1	22.33	120.5	25.06	139.4	31.19	149.0	34.61
	25	73.0	13.90	82.6	16.12	91.9	18.48	101.5	21.02	111.1	23.75	120.5	26.67	139.4	33.22	149.0	36.86
	27	73.0	14.76	82.6	17.11	91.9	19.62	101.5	22.33	111.1	25.24	120.5	28.37	139.4	35.36	149.0	39.26
	30	73.0	16.12	82.6	18.69	91.9	21.45	101.5	24.44	111.1	27.63	120.5	31.08	139.4	38.80	146.2	41.66
	33	73.0	17.56	82.6	20.37	91.9	23.42	101.5	26.71	111.1	30.24	120.5	34.09	139.4	43.28	142.7	44.13
	35	73.0	18.58	82.6	21.60	91.9	24.84	101.5	28.34	110.9	32.24	120.5	36.57	138.0	45.41	140.5	45.77
	37	73.0	19.67	82.6	22.86	91.9	26.33	101.5	30.28	111.1	34.56	120.5	39.24	135.6	47.05	138.3	47.42
	40	73.0	21.44	82.6	25.13	91.9	29.14	101.5	33.54	111.1	38.33	120.5	43.58	132.3	49.53	134.8	49.90
	43	73.0	23.63	82.6	27.74	91.9	32.23	101.5	37.12	111.1	42.50	120.5	48.40	128.7	52.01	131.2	52.38
	46	73.0	26.03	82.6	30.59	91.9	35.59	101.5	41.09	111.1	47.14	120.5	53.73	125.2	54.49	127.6	54.86
98.8 (80%)	10	64.8	11.14	73.3	12.39	81.8	13.63	90.3	14.88	98.8	16.11	107.0	17.37	124.0	19.83	132.5	21.08
	15	64.8	11.14	73.3	12.39	81.8	13.63	90.3	14.88	98.8	16.11	107.0	17.37	124.0	20.20	132.5	22.26
	21	64.8	11.37	73.3	12.63	81.8	14.09	90.3	15.93	98.8	17.89	107.0	19.95	124.0	24.53	132.5	27.05
	23	64.8	11.81	73.3	13.18	81.8	15.00	90.3	16.95	98.8	19.02	107.0	21.24	124.0	26.13	132.5	28.81
	25	64.8	12.26	73.3	13.98	81.8	15.93	90.3	18.02	98.8	20.24	107.0	22.60	124.0	27.81	132.5	30.68
	27	64.8	12.88	73.3	14.84	81.8	16.92	90.3	19.14	98.8	21.50	107.0	24.02	124.0	29.58	132.5	32.63
	30	64.8	14.06	73.3	16.20	81.8	18.47	90.3	20.91	98.8	23.51	107.0	26.29	124.0	32.41	132.5	35.80
	33	64.8	15.29	73.3	17.64	81.8	20.16	90.3	22.83	98.8	25.69	107.0	28.74	124.0	35.64	132.5	39.65
	35	64.8	16.17	73.3	18.68	81.8	21.36	90.3	24.20	98.8	27.24	107.0	30.56	124.0	38.28	132.5	42.61
	37	64.8	17.10	73.3	19.76	81.8	22.61	90.3	25.64	98.8	29.06	107.0	32.75	124.0	41.08	132.5	45.75
	40	64.8	18.58	73.3	21.57	81.8	24.83	90.3	28.36	98.8	32.18	107.0	36.32	124.0	45.64	130.4	49.26
	43	64.8	20.39	73.3	23.76	81.8	27.40	90.3	31.35	98.8	35.60	107.0	40.22	124.0	50.72	127.1	51.76
	46	64.8	22.42	73.3	26.16	81.8	30.22	90.3	34.60	98.8	39.38	107.0	44.58	121.3	53.87	123.8	54.25
86.5 (70%)	10	56.8	9.96	64.2	11.03	71.6	12.13	79.0	13.22	86.4	14.29	93.6	15.39	108.4	17.56	115.8	18.65
	15	56.8	9.96	64.2	11.03	71.6	12.13	79.0	13.22	86.4	14.29	93.6	15.39	108.4	17.56	115.8	18.65
	21	56.8	10.15	64.2	11.25	71.6	12.37	79.0	13.50	86.4	15.08	93.6	16.71	108.4	20.30	115.8	22.26
	23	56.8	10.52	64.2	11.70	71.6	12.85	79.0	14.36	86.4	16.02	93.6	17.78	108.4	21.61	115.8	23.70
	25	56.8	10.92	64.2	12.13	71.6	13.58	79.0	15.26	86.4	17.03	93.6	18.91	108.4	23.00	115.8	25.22
	27	56.8	11.33	64.2	12.72	71.6	14.41	79.0	16.20	86.4	18.10	93.6	20.08	108.4	24.44	115.8	26.80
	30	56.8	12.11	64.2	13.87	71.6	15.72	79.0	17.69	86.4	19.76	93.6	21.97	108.4	26.76	115.8	29.36
	33	56.8	13.17	64.2	15.10	71.6	17.13	79.0	19.30	86.4	21.57	93.6	23.98	108.4	29.27	115.8	32.14
	35	56.8	13.92	64.2	15.96	71.6	18.12	79.0	20.42	86.4	22.86	93.6	25.43	108.4	31.15	115.8	34.41
	37	56.8	14.70	64.2	16.89	71.6	19.19	79.0	21.63	86.4	24.22	93.6	27.02	108.4	33.39	115.8	36.91
	40	56.8	15.95	64.2	18.34	71.6	20.90	79.0	23.70	86.4	26.70	93.6	29.91	108.4	37.01	115.8	40.96
	43	56.8	17.39	64.2	20.12	71.6	23.03	79.0	26.14	86.4	29.48	93.6	33.06	108.4	41.01	115.8	45.44
	46	56.8	19.10	64.2	22.12	71.6	25.36	79.0	28.81	86.4	32.54	93.6	36.52	108.4	45.46	115.8	50.47
74.1 (60%)	10	48.6	8.76	54.9	9.69	61.2	10.63	67.5	11.56	74.1	12.48	80.4	13.41	93.0	15.28	99.3	16.22
	15	48.6	8.76	54.9	9.69	61.2	10.63	67.5	11.56	74.1	12.48	80.4	13.41	93.0	15.28	99.3	16.22
	21	48.6	8.92	54.9	9.88	61.2	10.82	67.5	11.78	74.1	12.74	80.4	13.79	93.0	16.55	99.3	18.03
	23	48.6	9.24	54.9	10.25	61.2	11.24	67.5	12.23	74.1	13.31	80.4	14.67	93.0	17.60	99.3	19.20
	25	48.6	9.59	54.9	10.63	61.2	11.67	67.5	12.75	74.1	14.12	80.4	15.59	93.0	18.72	99.3	20.40
	27	48.6	9.93	54.9	11.03	61.2	12.10	67.5	13.50	74.1	14.99	80.4	16.55	93.0	19.89	99.3	21.68
	30	48.6	10.47	54.9	11.70	61.2	13.18	67.5	14.73	74.1	16.36	80.4	18.07	93.0	21.74	99.3	23.72
	33	48.6	11.19	54.9	12.72	61.2	14.35	67.5	16.04	74.1	17.83	80.4	19.70	93.0	23.74	99.3	25.91
	35	48.6	11.81	54.9	13.44	61.2	15.16	67.5	16.97	74.1	18.87	80.4	20.88	93.0	25.18	99.3	27.48
	37	48.6	12.45	54.9	14.19	61.2	16.03	67.5	17.96	74.1	19.97	80.4	22.10	93.0	26.73	99.3	29.33
	40	48.6	13.49	54.9	15.39	61.2	17.40	67.5	19.51	74.1	21.79	80.4	24.24	93.0	29.56	99.3	32.47
	43	48.6	14.61	54.9	16.76	61.2	19.05	67.5	21.46	74.1	24.03	80.4	26.75	93.0	32.68	99.3	35.94
	46	48.6	16.00	54.9	18.39	61.2	20.92	67.5	23.62	74.1	26.46	80.4	29.50	93.0	36.12	99.3	39.75
61.8 (50%)	10	40.6	7.56	45.8	8.33	51.0	9.11	56.3	9.88	61.7	10.66	66.9	11.43	77.4	13.01	82.6	13.78
	15	40.6	7.56	45.8	8.33	51.0	9.11	56.3	9.88	61.7	10.66	66.9	11.43	77.4	13.01	82.6	13.78
	21	40.6	7.69	45.8	8.49	51.0	9.29	56.3	10.07	61.7	10.87	66.9	11.67	77.4	13.25	82.6	14.30
	23	40.6	7.98	45.8	8.81	51.0	9.64	56.3	10.47	61.7	11.30	66.9	12.12	77.4	14.04	82.6	15.21
	25	40.6	8.25	45.8	9.13	51.0	9.99	56.3	10.85	61.7	11.72	66.9	12.59	77.4	14.92	82.6	16.15
	27	40.6	8.54	45.8	9.45	51.0	10.36	56.3	11.25	61.7	12.16	66.9	13.34	77.4	15.83	82.6	17.16
	30	40.6	9.00	45.8	9.96	51.0	10.92	56.3	12.02	61.7	13.26	66.9	14.54	77.4	17.29	82.6	18.74
	33	40.6	9.46	45.8	10.50	51.0	11.76	56.3	13.07	61.7	14.43	66.9	15.85	77.4	18.85	82.6	20.45
	35	40.6	9.80	45.8	11.09	51.0	12.42	56.3	13.81	61.7	15.26	66.9	16.76	77.4	19.97	82.6	21.66
	37	40.6	10.34	45.8	11.70	51.0	13.12	56.3	14.59	61.7	16.12	66.9	17.72	77.4	21.12	82.6	22.94
	40	40.6	11.17	45.8	12.66	51.0	14.21	56.3	15.82	61.7	17.50	66.9	19.27	77.4	23.12	82.6	25.21
	43	40.6	12.07	45.8	13.70	51.0	15.42	56.3	17.24	61.7	19.16	66.9	21.17	77.4	25.50	82.6	27.82
	46	40.6	13.14	45.8	14.96	51.0	16.91	56.3	18.94	61.7	21.06	66.9	23.30	77.4	28.11	82.6	30.70

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳414LALH

● Capacity : 130.0 kW (46HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
195.0 (150%)	10	128.2	20.51	144.8	22.95	161.5	25.39	178.2	29.21	187.7	31.55	191.4	31.83	198.7	32.37	202.4	32.65
	15	128.2	20.68	144.8	24.81	161.5	29.42	177.6	34.43	181.3	34.71	184.8	34.99	191.8	35.58	195.2	35.87
	21	128.2	25.11	144.8	30.13	161.5	35.76	169.8	38.21	173.0	38.52	176.5	38.82	183.3	39.44	186.6	39.76
	23	128.2	26.74	144.8	32.10	161.5	38.11	167.2	39.47	170.4	39.78	173.8	40.11	180.5	40.73	183.7	41.07
	25	128.2	28.47	144.8	34.17	161.4	40.42	164.4	40.75	167.6	41.06	171.0	41.40	177.4	42.04	180.8	42.36
	27	128.2	30.26	144.8	36.36	158.5	41.68	161.7	42.01	164.9	42.35	168.1	42.66	174.5	43.37	177.7	43.79
	30	128.2	33.15	144.8	39.89	154.5	43.81	157.7	44.23	160.6	44.65	163.8	45.07	170.2	45.91	173.6	46.33
	33	128.2	36.40	144.8	44.39	150.5	46.35	153.4	46.77	156.6	47.19	159.7	47.62	166.1	48.46	169.0	48.88
	35	128.2	39.06	144.7	47.61	147.7	48.03	150.8	48.45	153.9	48.90	156.9	49.32	163.2	50.16	166.1	50.58
	37	128.2	41.91	142.1	49.29	145.0	49.73	148.0	50.16	151.1	50.58	154.0	51.00	160.3	51.85	163.2	52.27
	40	128.2	46.55	137.9	51.83	141.0	52.26	143.9	52.70	146.8	53.13	149.9	53.55	155.8	54.39	158.9	54.82
	43	128.2	51.71	133.8	54.35	136.7	54.80	139.6	55.23	142.5	55.67	145.6	56.10	151.4	56.96	154.3	57.36
	46	126.9	56.45	129.8	56.90	132.6	57.34	135.5	57.77	138.4	58.22	141.3	58.64	147.1	59.51	150.0	59.93
182.0 (140%)	10	119.6	19.27	135.2	21.55	150.8	23.82	166.4	26.11	182.0	30.25	188.5	31.60	195.7	32.14	199.3	32.42
	15	119.6	19.27	135.2	22.36	150.8	26.36	166.4	30.85	178.5	34.48	181.9	34.77	188.9	35.35	192.3	35.64
	21	119.6	22.78	135.2	27.16	150.8	32.04	166.4	37.50	170.7	38.29	173.9	38.60	180.5	39.19	184.0	39.50
	23	119.6	24.24	135.2	28.92	150.8	34.14	164.7	39.24	168.1	39.55	171.3	39.86	177.9	40.50	181.1	40.81
	25	119.6	25.78	135.2	30.77	150.8	36.36	162.1	40.53	165.2	40.84	168.6	41.15	175.0	41.79	178.2	42.11
	27	119.6	27.40	135.2	32.73	150.8	38.69	159.4	41.79	162.6	42.12	165.8	42.44	172.1	43.09	175.3	43.48
	30	119.6	30.01	135.2	35.88	150.8	42.60	155.4	43.95	158.6	44.37	161.7	44.79	167.9	45.61	171.0	46.03
	33	119.6	32.84	135.2	39.62	148.5	46.07	151.4	46.49	154.5	46.91	157.7	47.33	163.8	48.15	166.9	48.57
	35	119.6	35.10	135.2	42.53	145.9	47.77	148.8	48.20	151.9	48.62	154.9	49.04	160.9	49.86	164.1	50.28
	37	119.6	37.62	135.2	45.66	143.3	49.46	146.2	49.88	149.1	50.30	152.0	50.72	158.1	51.57	161.2	51.99
	40	119.6	41.74	135.2	50.78	139.2	52.00	142.1	52.42	145.0	52.85	147.9	53.29	153.8	54.13	156.9	54.53
	43	119.6	46.29	132.3	54.10	135.2	54.55	137.9	54.97	140.8	55.42	143.6	55.84	149.6	56.68	152.5	57.10
	46	119.6	51.37	128.3	56.64	130.9	57.09	133.8	57.52	136.7	57.96	139.6	58.39	145.1	59.23	148.0	59.65
169.0 (130%)	10	111.2	18.01	125.6	20.12	140.1	22.25	154.5	24.35	169.0	26.70	183.4	30.67	192.3	31.89	195.8	32.16
	15	111.2	18.01	125.6	20.12	140.1	23.54	154.5	27.37	169.0	31.64	179.0	34.51	185.7	35.08	189.1	35.36
	21	111.2	20.56	125.6	24.38	140.1	28.59	154.5	33.28	167.8	38.04	171.2	38.34	177.6	38.94	181.0	39.24
	23	111.2	21.88	125.6	25.95	140.1	30.47	154.5	35.46	165.2	39.30	168.6	39.61	175.0	40.23	178.2	40.53
	25	111.2	23.28	125.6	27.60	140.1	32.43	154.5	37.76	162.7	40.58	165.8	40.89	172.2	41.52	175.3	41.83
	27	111.2	24.73	125.6	29.36	140.1	34.50	154.5	40.20	160.0	41.85	163.2	42.18	169.5	42.83	172.7	43.14
	30	111.2	27.06	125.6	32.17	140.1	37.83	153.1	43.64	156.2	44.06	159.2	44.45	165.5	45.27	168.4	45.69
	33	111.2	29.58	125.6	35.22	140.1	41.92	149.3	46.18	152.2	46.60	155.2	47.02	161.2	47.84	164.4	48.24
	35	111.2	31.41	125.6	37.80	140.1	45.05	146.7	47.89	149.6	48.31	152.5	48.71	158.6	49.55	161.5	49.94
	37	111.2	33.67	125.6	40.54	140.1	48.38	143.9	49.57	147.0	49.99	149.9	50.41	155.7	51.25	158.9	51.65
	40	111.2	37.31	125.6	45.01	137.2	51.70	140.1	52.14	143.0	52.56	145.9	52.98	151.7	53.80	154.6	54.22
	43	111.2	41.31	125.6	49.96	133.2	54.26	136.1	54.69	139.0	55.11	141.6	55.53	147.4	56.37	150.3	56.79
	46	111.2	45.75	125.6	55.53	129.2	56.81	132.0	57.24	134.7	57.66	137.6	58.10	143.1	58.95	146.0	59.35
156.0 (120%)	10	102.5	16.75	115.8	18.71	129.1	20.65	142.4	22.61	156.0	24.58	169.3	26.79	188.3	31.60	192.0	31.86
	15	102.5	16.75	115.8	18.71	129.1	20.93	142.4	24.19	156.0	27.79	169.3	31.73	182.2	34.79	185.4	35.05
	21	102.5	18.48	115.8	21.79	129.1	25.41	142.4	29.38	156.0	33.76	168.1	38.04	174.4	38.63	177.6	38.93
	23	102.5	19.68	115.8	23.19	129.1	27.05	142.4	31.31	156.0	35.98	165.5	39.32	171.8	39.92	175.0	40.22
	25	102.5	20.92	115.8	24.66	129.1	28.78	142.4	33.33	156.0	38.32	162.9	40.59	169.2	41.21	172.2	41.52
	27	102.5	22.21	115.8	26.22	129.1	30.60	142.4	35.46	156.0	40.81	160.3	41.87	166.4	42.52	169.5	42.83
	30	102.5	24.29	115.8	28.69	129.1	33.54	142.4	38.90	153.4	43.69	156.5	44.09	162.6	44.90	165.5	45.29
	33	102.5	26.55	115.8	31.38	129.1	36.85	142.4	43.21	149.6	46.24	152.6	46.66	158.6	47.45	161.5	47.87
	35	102.5	28.15	115.8	33.43	129.1	39.54	142.4	46.42	147.1	47.94	150.0	48.36	156.0	49.18	158.9	49.58
	37	102.5	29.97	115.8	35.83	129.1	42.44	141.6	49.23	144.5	49.65	147.4	50.07	153.1	50.89	156.0	51.28
	40	102.5	33.19	115.8	39.74	129.1	47.14	137.8	51.80	140.7	52.20	143.3	52.62	149.1	53.46	152.0	53.86
	43	102.5	36.69	115.8	44.05	129.1	52.36	133.8	54.35	136.7	54.77	139.3	55.19	145.0	56.03	147.9	56.43
	46	102.5	40.57	115.8	48.83	127.2	56.48	130.0	56.92	132.6	57.34	135.3	57.77	140.8	58.61	143.6	59.01
143.0 (110%)	10	93.9	15.51	106.3	17.29	118.4	19.08	130.6	20.87	143.0	22.67	155.1	24.46	179.4	29.60	187.4	31.54
	15	93.9	15.51	106.3	17.29	118.4	19.08	130.6	21.27	143.0	24.28	155.1	27.57	178.1	34.45	181.4	34.71
	21	93.9	16.54	106.3	19.35	118.4	22.44	130.6	25.81	143.0	29.49	155.1	33.51	170.7	38.29	173.8	38.57
	23	93.9	17.58	106.3	20.61	118.4	23.90	130.6	27.49	143.0	31.42	155.1	35.69	168.1	39.58	171.3	39.86
	25	93.9	18.70	106.3	21.90	118.4	25.41	130.6	29.26	143.0	33.44	155.1	38.02	165.5	40.87	168.7	41.17
	27	93.9	19.85	106.3	23.27	118.4	27.01	130.6	31.11	143.0	35.59	155.1	40.48	163.2	42.16	166.1	42.46
	30	93.9	21.70	106.3	25.46	118.4	29.59	130.6	34.10	143.0	39.04	153.4	43.67	159.2	44.45	162.1	44.85
	33	93.9	23.69	106.3	27.82	118.4	32.36	130.6	37.49	143.0	43.38	149.6	46.24	155.4	47.03	158.3	47.42
	35	93.9	25.09	106.3	29.52	118.4	34.55	130.6	40.26	143.0	46.60	147.1	47.94	152.8	48.74	155.7	49.15
	37	93.9	26.58	106.3	31.51	118.4	37.04	130.6	43.20	141.8	49.26	144.5	49.65	150.2	50.47	153.1	50.86
	40	93.9	29.37	106.3	34.90	118.4	41.09	130.6	47.98	137.9	51.81	140.7	52.23	146.2	53.04	149.1	53.44
	43	93.9	32.45	106.3	38.62	118.4	45.56	130.6	53.34	134.1	54.38	136.7	54.80	142.2	55.62	145.1	56.03
	46	93.9	35.81	106.3	42.73	118.4	50.53	127.5	56.53	130.3	56.95	132.9	57.38	138.2	58.21	141.0	58.61

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳414LALH

● Capacity : 130.0 kW (46HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130.0 (100%)	10	85.5	14.25	96.5	15.88	107.7	17.51	118.7	19.13	130.0	20.76	141.0	22.39	163.2	25.64	174.2	28.14
	15	85.5	14.25	96.5	15.88	107.7	17.51	118.7	19.13	130.0	21.07	141.0	23.80	163.2	29.92	174.2	33.35
	21	85.5	14.69	96.5	17.10	107.7	19.71	118.7	22.53	130.0	25.59	141.0	28.90	163.2	36.37	169.5	38.18
	23	85.5	15.64	96.5	18.20	107.7	20.98	118.7	23.99	130.0	27.24	141.0	30.78	163.2	38.75	167.0	39.47
	25	85.5	16.60	96.5	19.34	107.7	22.30	118.7	25.52	130.0	29.00	141.0	32.77	161.7	40.47	164.6	40.76
	27	85.5	17.63	96.5	20.55	107.7	23.70	118.7	27.12	130.0	30.83	141.0	34.87	159.2	41.76	162.1	42.07
	30	85.5	19.23	96.5	22.46	107.7	25.94	118.7	29.70	130.0	33.80	141.0	38.25	155.4	43.95	158.3	44.34
	33	85.5	20.99	96.5	24.51	107.7	28.35	118.7	32.50	130.0	37.15	141.0	42.43	151.7	46.54	154.6	46.92
	35	85.5	22.23	96.5	25.99	107.7	30.06	118.7	34.71	130.0	39.87	141.0	45.58	149.3	48.25	152.0	48.65
	37	85.5	23.54	96.5	27.55	107.7	32.13	118.7	37.20	130.0	42.78	141.0	48.94	146.8	49.99	149.6	50.38
	40	85.5	25.82	96.5	30.47	107.7	35.60	118.7	41.26	130.0	47.53	137.5	51.77	143.0	52.56	145.7	52.96
	43	85.5	28.50	96.5	33.69	107.7	39.40	118.7	45.76	130.0	52.81	133.8	54.35	139.2	55.16	141.9	55.56
	46	85.5	31.41	96.5	37.19	107.7	43.62	118.7	50.76	127.4	56.53	130.0	56.93	135.3	57.74	137.9	58.16
117.0 (90%)	10	76.8	12.99	86.9	14.45	96.8	15.93	106.9	17.39	117.0	18.85	126.8	20.32	146.8	23.26	156.9	24.72
	15	76.8	12.99	86.9	14.45	96.8	15.93	106.9	17.39	117.0	18.85	126.8	20.37	146.8	25.32	156.9	28.07
	21	76.8	13.24	86.9	15.00	96.8	17.18	106.9	19.52	117.0	22.05	126.8	24.74	146.8	30.76	156.9	34.12
	23	76.8	13.79	86.9	15.95	96.8	18.28	106.9	20.78	117.0	23.47	126.8	26.34	146.8	32.77	156.9	36.36
	25	76.8	14.63	86.9	16.95	96.8	19.43	106.9	22.10	117.0	24.96	126.8	28.03	146.8	34.90	156.9	38.72
	27	76.8	15.53	86.9	17.99	96.8	20.63	106.9	23.47	117.0	26.53	126.8	29.81	146.8	37.14	156.9	41.24
	30	76.8	16.95	86.9	19.65	96.8	22.54	106.9	25.68	117.0	29.03	126.8	32.65	146.8	40.75	154.0	43.75
	33	76.8	18.47	86.9	21.42	96.8	24.62	106.9	28.07	117.0	31.77	126.8	35.81	146.8	45.45	150.3	46.35
	35	76.8	19.54	86.9	22.70	96.8	26.10	106.9	29.77	116.8	33.87	126.8	38.42	145.3	47.69	147.9	48.06
	37	76.8	20.68	86.9	24.03	96.8	27.67	106.9	31.82	117.0	36.31	126.8	41.21	142.8	49.40	145.6	49.79
	40	76.8	22.53	86.9	26.40	96.8	30.61	106.9	35.23	117.0	40.25	126.8	45.77	139.3	52.00	141.9	52.40
	43	76.8	24.83	86.9	29.15	96.8	33.85	106.9	38.98	117.0	44.63	126.8	50.82	135.5	54.60	138.1	55.00
	46	76.8	27.35	86.9	32.14	96.8	37.38	106.9	43.15	117.0	49.49	126.8	56.41	131.8	57.21	134.4	57.60
104.0 (80%)	10	68.2	11.73	77.1	13.04	86.1	14.34	95.0	15.65	104.0	16.95	112.7	18.26	130.6	20.85	139.5	22.16
	15	68.2	11.73	77.1	13.04	86.1	14.34	95.0	15.65	104.0	16.95	112.7	18.26	130.6	21.24	139.5	23.40
	21	68.2	11.98	77.1	13.30	86.1	14.83	95.0	16.76	104.0	18.81	112.7	20.98	130.6	25.78	139.5	28.42
	23	68.2	12.43	77.1	13.87	86.1	15.78	95.0	17.83	104.0	20.00	112.7	22.33	130.6	27.46	139.5	30.27
	25	68.2	12.90	77.1	14.71	86.1	16.76	95.0	18.95	104.0	21.28	112.7	23.75	130.6	29.23	139.5	32.23
	27	68.2	13.56	77.1	15.61	86.1	17.80	95.0	20.13	104.0	22.60	112.7	25.24	130.6	31.08	139.5	34.28
	30	68.2	14.79	77.1	17.04	86.1	19.43	95.0	21.98	104.0	24.71	112.7	27.62	130.6	34.05	139.5	37.61
	33	68.2	16.08	77.1	18.55	86.1	21.19	95.0	24.00	104.0	27.00	112.7	30.20	130.6	37.44	139.5	41.64
	35	68.2	17.01	77.1	19.64	86.1	22.45	95.0	25.43	104.0	28.63	112.7	32.11	130.6	40.20	139.5	44.74
	37	68.2	17.99	77.1	20.77	86.1	23.77	95.0	26.94	104.0	30.53	112.7	34.40	130.6	43.14	139.5	48.04
	40	68.2	19.53	77.1	22.67	86.1	26.09	95.0	29.80	104.0	33.80	112.7	38.14	130.6	47.92	137.3	51.72
	43	68.2	21.44	77.1	24.97	86.1	28.79	95.0	32.93	104.0	37.39	112.7	42.23	130.6	53.26	133.8	54.35
	46	68.2	23.57	77.1	27.49	86.1	31.75	95.0	36.35	104.0	41.36	112.7	46.81	127.7	56.56	130.3	56.95
91.0 (70%)	10	59.8	10.49	67.6	11.62	75.4	12.77	83.2	13.91	91.0	15.04	98.5	16.19	114.1	18.46	121.9	19.61
	15	59.8	10.49	67.6	11.62	75.4	12.77	83.2	13.91	91.0	15.04	98.5	16.19	114.1	18.46	121.9	19.61
	21	59.8	10.69	67.6	11.84	75.4	13.02	83.2	14.21	91.0	15.86	98.5	17.58	114.1	21.35	121.9	23.40
	23	59.8	11.08	67.6	12.31	75.4	13.52	83.2	15.11	91.0	16.85	98.5	18.70	114.1	22.72	121.9	24.91
	25	59.8	11.50	67.6	12.77	75.4	14.29	83.2	16.06	91.0	17.91	98.5	19.88	114.1	24.17	121.9	26.50
	27	59.8	11.92	67.6	13.39	75.4	15.16	83.2	17.04	91.0	19.03	98.5	21.11	114.1	25.69	121.9	28.16
	30	59.8	12.75	67.6	14.60	75.4	16.54	83.2	18.61	91.0	20.78	98.5	23.10	114.1	28.12	121.9	30.85
	33	59.8	13.86	67.6	15.88	75.4	18.02	83.2	20.29	91.0	22.68	98.5	25.21	114.1	30.76	121.9	33.76
	35	59.8	14.65	67.6	16.79	75.4	19.06	83.2	21.47	91.0	24.03	98.5	26.72	114.1	32.72	121.9	36.14
	37	59.8	15.46	67.6	17.76	75.4	20.18	83.2	22.73	91.0	25.45	98.5	28.40	114.1	35.07	121.9	38.77
	40	59.8	16.78	67.6	19.28	75.4	21.97	83.2	24.91	91.0	28.06	98.5	31.42	114.1	38.88	121.9	43.02
	43	59.8	18.29	67.6	21.15	75.4	24.21	83.2	27.47	91.0	30.97	98.5	34.72	114.1	43.07	121.9	47.72
	46	59.8	20.09	67.6	23.25	75.4	26.65	83.2	30.27	91.0	34.18	98.5	38.36	114.1	47.73	121.9	52.99
78.0 (60%)	10	51.1	9.23	57.8	10.21	64.4	11.19	71.1	12.17	78.0	13.13	84.6	14.11	97.9	16.07	104.6	17.06
	15	51.1	9.23	57.8	10.21	64.4	11.19	71.1	12.17	78.0	13.13	84.6	14.11	97.9	16.07	104.6	17.06
	21	51.1	9.40	57.8	10.41	64.4	11.39	71.1	12.40	78.0	13.41	84.6	14.52	97.9	17.41	104.6	18.96
	23	51.1	9.74	57.8	10.80	64.4	11.84	71.1	12.88	78.0	14.01	84.6	15.44	97.9	18.51	104.6	20.19
	25	51.1	10.10	57.8	11.19	64.4	12.29	71.1	13.42	78.0	14.85	84.6	16.40	97.9	19.68	104.6	21.45
	27	51.1	10.47	57.8	11.61	64.4	12.74	71.1	14.21	78.0	15.77	84.6	17.40	97.9	20.91	104.6	22.80
	30	51.1	11.03	57.8	12.32	64.4	13.87	71.1	15.50	78.0	17.21	84.6	19.00	97.9	22.85	104.6	24.93
	33	51.1	11.78	57.8	13.39	64.4	15.10	71.1	16.87	78.0	18.75	84.6	20.71	97.9	24.95	104.6	27.23
	35	51.1	12.43	57.8	14.14	64.4	15.94	71.1	17.85	78.0	19.84	84.6	21.94	97.9	26.46	104.6	28.88
	37	51.1	13.10	57.8	14.93	64.4	16.86	71.1	18.88	78.0	20.99	84.6	23.23	97.9	28.09	104.6	30.81
	40	51.1	14.20	57.8	16.19	64.4	18.30	71.1	20.51	78.0	22.90	84.6	25.48	97.9	31.06	104.6	34.11
	43	51.1	15.37	57.8	17.62	64.4	20.03	71.1	22.56	78.0	25.25	84.6	28.11	97.9	34.33	104.6	37.75
	46	51.1	16.83	57.8	19.33	64.4	22.00	71.1	24.82	78.0	27.80	84.6	30.99	97.9	37.94	104.6	41.75
65.0 (50%)	10	42.7	7.97	48.2	8.78	53.7	9.60	59.2	10.41	65.0	11.23	70.5	12.04	81.5	13.69	87.0	14.50
	15	42.7	7.97	48.2	8.78	53.7	9.60	59.2	10.41	65.0	11.23	70.5	12.04	81.5	13.69	87.0	14.50
	21	42.7	8.11	48.2	8.95	53.7	9.79	59.2	10.61	65.0	11.45	70.5	12.29	81.5	13.94	87.0	15.05
	23	42.7	8.41	48.2	9.28	53.7	10.15	59.2	11.02	65.0	11.89	70.5	12.76	81.5	14.77	87.0	16.00
	25	42.7	8.70	48.2	9.62	53.7	10.52	59.2	11.42	65.0	12.34	70.5	13.25	81.5	15.69	87.0	16.99
	27	42.7	9.01	48.2	9.96	53.7	10.91	59.2	11.84	65.0	12.80	70.5	14.04	81.5	16.65	87.0	18.05
	30	42.7	9.48	48.2	10.49	53.7	11.50	59.2	12.66	65.0	13.95	70.5	15.30	81.5	18.19	87.0	19.71
	33	42.7	9.96	48.2	11.06	53.7	12.38	59.2	13.75	65.0	15.18	70.5	16.67	81.5	19.82	87.0	21.50
	35	42.7	10.33	48.2	11.67	53.7	13.08	59.2	14.53	65.0	16.05	70.5	17.62	81.5	20.99	87.0	22.76
	37	42.7	10.89	48.2	12.32	53.7	13.80	59.2	15.35	65.0	16.95	70.5	18.63	81.5	22.20	87.0	24.11
	40	42.7	11.76	48.2	13.33	53.7	14.95	59.2	16.64	65.0	18.41	70.5	20.26	81.5	24.30	87.0	26.49
	43	42.7	12.71	48.2	14.42	53.7	16.22	59.2	18.13	65.0	20.15	70.5	22.25	81.5	26.79	87.0	29.23
	46	42.7	13.83	48.2	15.74	53.7	17.78	59.2	19.92	65.0	22.14	70.5	24.49	81.5	29.53	87.0	32.25

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✶432LALH

● Capacity : 135.0 kW (48HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
202.5 (150%)	10	133.2	21.81	150.3	24.42	167.7	27.03	185.1	31.05	195.0	33.57	198.9	33.87	206.4	34.44	210.3	34.74
	15	133.2	21.96	150.3	26.37	167.7	31.29	184.5	36.66	188.4	36.96	192.0	37.26	199.2	37.89	202.8	38.19
	21	133.2	26.70	150.3	32.07	167.7	38.07	176.4	40.71	179.7	41.04	183.3	41.37	190.5	42.03	193.8	42.36
	23	133.2	28.44	150.3	34.17	167.7	40.59	173.7	42.06	177.0	42.39	180.6	42.75	187.5	43.41	190.8	43.77
	25	133.2	30.30	150.3	36.39	167.7	43.08	170.7	43.44	174.0	43.77	177.6	44.13	184.2	44.82	187.8	45.15
	27	133.2	32.22	150.3	38.73	164.7	44.43	168.0	44.79	171.3	45.15	174.6	45.48	181.2	46.23	184.5	46.68
	30	133.2	35.31	150.3	42.51	160.5	46.71	163.8	47.16	166.8	47.61	170.1	48.06	176.7	48.96	180.3	49.41
	33	133.2	38.79	150.3	47.34	156.3	49.44	159.3	49.89	162.6	50.34	165.9	50.79	172.5	51.69	175.5	52.14
	35	133.2	41.64	150.3	50.79	153.3	51.24	156.6	51.69	159.9	52.17	162.9	52.62	169.5	53.52	172.5	53.97
	37	133.2	44.70	147.6	52.59	150.6	53.07	153.6	53.52	156.9	53.97	159.9	54.42	166.5	55.32	169.5	55.77
	40	133.2	49.68	143.1	55.32	146.4	55.77	149.4	56.25	152.4	56.70	155.7	57.15	161.7	58.05	165.0	58.50
	43	133.2	55.23	138.9	58.02	141.9	58.50	144.9	58.95	147.9	59.43	151.2	59.88	157.2	60.81	160.2	61.23
	46	131.7	60.27	134.7	60.75	137.7	61.23	140.7	61.68	143.7	62.16	146.7	62.61	152.7	63.54	155.7	63.99
189.0 (140%)	10	124.2	20.49	140.4	22.92	156.6	25.35	172.8	27.78	189.0	32.16	195.9	33.63	203.4	34.20	207.0	34.50
	15	124.2	20.49	140.4	23.76	156.6	28.02	172.8	32.82	185.4	36.72	189.0	37.02	196.2	37.65	199.8	37.95
	21	124.2	24.21	140.4	28.89	156.6	34.11	172.8	39.93	177.3	40.80	180.6	41.13	187.5	41.76	191.1	42.09
	23	124.2	25.77	140.4	30.78	156.6	36.36	171.0	41.82	174.6	42.15	177.9	42.48	184.8	43.17	188.1	43.50
	25	124.2	27.42	140.4	32.76	156.6	38.73	168.3	43.20	171.6	43.53	175.2	43.86	181.8	44.55	185.1	44.88
	27	124.2	29.16	140.4	34.86	156.6	41.22	165.6	44.55	168.9	44.91	172.2	45.24	178.8	45.93	182.1	46.35
	30	124.2	31.95	140.4	38.22	156.6	45.42	161.4	46.86	164.7	47.31	168.0	47.76	174.3	48.63	177.6	49.08
	33	124.2	34.98	140.4	42.24	154.2	49.14	157.2	49.59	160.5	50.04	163.8	50.49	170.1	51.36	173.4	51.81
	35	124.2	37.41	140.4	45.36	151.5	50.97	154.5	51.42	157.8	51.87	160.8	52.32	167.1	53.19	170.4	53.64
	37	124.2	40.11	140.4	48.72	148.8	52.77	151.8	53.22	154.8	53.67	157.8	54.12	164.1	55.02	167.4	55.47
	40	124.2	44.52	140.4	54.21	144.6	55.50	147.6	55.95	150.6	56.40	153.6	56.88	159.6	57.78	162.9	58.20
	43	124.2	49.41	137.4	57.75	140.4	58.23	143.1	58.68	146.1	59.16	149.1	59.61	155.4	60.51	158.4	60.96
	46	124.2	54.87	133.2	60.48	135.9	60.96	138.9	61.41	141.9	61.89	144.9	62.34	150.6	63.24	153.6	63.69
175.5 (130%)	10	115.5	19.14	130.5	21.39	145.5	23.67	160.5	25.92	175.5	28.38	190.5	32.61	199.8	33.93	203.4	34.23
	15	115.5	19.14	130.5	21.39	145.5	25.02	160.5	29.10	175.5	33.66	186.0	36.75	192.9	37.35	196.5	37.65
	21	115.5	21.84	130.5	25.92	145.5	30.42	160.5	35.43	174.3	40.53	177.9	40.86	184.5	41.49	188.1	41.82
	23	115.5	23.25	130.5	27.60	145.5	32.43	160.5	37.77	171.6	41.88	175.2	42.21	181.8	42.87	185.1	43.20
	25	115.5	24.75	130.5	29.37	145.5	34.53	160.5	40.23	168.9	43.26	172.2	43.59	178.8	44.25	182.1	44.58
	27	115.5	26.31	130.5	31.26	145.5	36.75	160.5	42.84	166.2	44.61	169.5	44.97	176.1	45.66	179.4	45.99
	30	115.5	28.80	130.5	34.26	145.5	40.32	159.0	46.53	162.3	46.98	165.3	47.40	171.9	48.27	174.9	48.72
	33	115.5	31.50	130.5	37.53	145.5	44.70	155.1	49.26	158.1	49.71	161.1	50.16	167.4	51.03	170.7	51.45
	35	115.5	33.45	130.5	40.29	145.5	48.06	152.4	51.09	155.4	51.54	158.4	51.96	164.7	52.86	167.7	53.28
	37	115.5	35.88	130.5	43.23	145.5	51.63	149.4	52.89	152.7	53.34	155.7	53.79	161.7	54.69	165.0	55.11
	40	115.5	39.78	130.5	48.03	142.5	55.17	145.5	55.65	148.5	56.10	151.5	56.55	157.5	57.42	160.5	57.87
	43	115.5	44.07	130.5	53.34	138.3	57.93	141.3	58.38	144.3	58.83	147.0	59.28	153.0	60.18	156.0	60.63
	46	115.5	48.84	130.5	59.34	134.1	60.66	137.1	61.11	139.8	61.56	142.8	62.04	148.5	62.94	151.5	63.36
162.0 (120%)	10	106.5	17.79	120.3	19.89	134.1	21.96	147.9	24.06	162.0	26.16	175.8	28.47	195.6	33.63	199.5	33.90
	15	106.5	17.79	120.3	19.89	134.1	22.23	147.9	25.71	162.0	29.55	175.8	33.75	189.3	37.05	192.6	37.32
	21	106.5	19.62	120.3	23.16	134.1	27.03	147.9	31.26	162.0	35.94	174.6	40.53	181.2	41.16	184.5	41.49
	23	106.5	20.91	120.3	24.66	134.1	28.77	147.9	33.33	162.0	38.31	171.9	41.91	178.5	42.54	181.8	42.87
	25	106.5	22.23	120.3	26.22	134.1	30.63	147.9	35.49	162.0	40.83	169.2	43.26	175.8	43.92	178.8	44.25
	27	106.5	23.61	120.3	27.90	134.1	32.58	147.9	37.77	162.0	43.50	166.5	44.64	172.8	45.33	176.1	45.66
	30	106.5	25.83	120.3	30.54	134.1	35.73	147.9	41.46	159.3	46.59	162.6	47.01	168.9	47.88	171.9	48.30
	33	106.5	28.26	120.3	33.42	134.1	39.27	147.9	46.08	155.4	49.32	158.4	49.77	164.7	50.61	167.7	51.06
	35	106.5	29.97	120.3	35.61	134.1	42.15	147.9	49.53	152.7	51.15	155.7	51.60	162.0	52.47	165.0	52.89
	37	106.5	31.92	120.3	38.19	134.1	45.27	147.0	52.53	150.0	52.98	153.0	53.43	159.0	54.30	162.0	54.72
	40	106.5	35.37	120.3	42.39	134.1	50.31	143.1	55.29	146.1	55.71	148.8	56.16	154.8	57.06	157.8	57.48
	43	106.5	39.12	120.3	47.01	134.1	55.92	138.9	58.02	141.9	58.47	144.6	58.92	150.6	59.82	153.6	60.24
	46	106.5	43.29	120.3	52.14	132.0	60.30	135.0	60.78	137.7	61.23	140.4	61.68	146.1	62.58	149.1	63.00
148.5 (110%)	10	97.5	16.47	110.4	18.36	123.0	20.28	135.6	22.20	148.5	24.12	161.1	26.04	186.3	31.47	194.7	33.57
	15	97.5	16.47	110.4	18.36	123.0	20.28	135.6	22.59	148.5	25.80	161.1	29.31	185.1	36.69	188.4	36.96
	21	97.5	17.55	110.4	20.55	123.0	23.85	135.6	27.45	148.5	31.38	161.1	35.67	177.3	40.80	180.6	41.10
	23	97.5	18.66	110.4	21.90	123.0	25.41	135.6	29.25	148.5	33.45	161.1	38.01	174.6	42.18	177.9	42.48
	25	97.5	19.86	110.4	23.28	123.0	27.03	135.6	31.14	148.5	35.61	161.1	40.50	171.9	43.56	175.2	43.89
	27	97.5	21.09	110.4	24.75	123.0	28.74	135.6	33.12	148.5	37.92	161.1	43.14	169.5	44.94	172.5	45.27
	30	97.5	23.07	110.4	27.09	123.0	31.50	135.6	36.33	148.5	41.61	159.3	46.56	165.3	47.40	168.3	47.82
	33	97.5	25.20	110.4	29.61	123.0	34.47	135.6	39.96	148.5	46.26	155.4	49.32	161.4	50.16	164.4	50.58
	35	97.5	26.70	110.4	31.44	123.0	36.81	135.6	42.93	148.5	49.71	152.7	51.15	158.7	51.99	161.7	52.44
	37	97.5	28.29	110.4	33.57	123.0	39.48	135.6	46.08	147.3	52.56	150.0	52.98	156.0	53.85	159.0	54.27
	40	97.5	31.29	110.4	37.20	123.0	43.83	135.6	51.21	143.1	55.29	146.1	55.74	151.8	56.61	154.8	57.03
	43	97.5	34.59	110.4	41.19	123.0	48.63	135.6	56.97	139.2	58.05	141.9	58.50	147.6	59.37	150.6	59.82
	46	97.5	38.19	110.4	45.60	123.0	53.97	132.3	60.36	135.3	60.81	138.0	61.26	143.4	62.16	146.4	62.58

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✶432LALH

● Capacity : 135.0 kW (48HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
135.0 (100%)	10	88.8	15.12	100.2	16.86	111.9	18.60	123.3	20.34	135.0	22.08	146.4	23.82	169.5	27.30	180.9	29.91
	15	88.8	15.12	100.2	16.86	111.9	18.60	123.3	20.34	135.0	22.38	146.4	25.29	169.5	31.83	180.9	35.49
	21	88.8	15.57	100.2	18.15	111.9	20.94	123.3	23.94	135.0	27.21	146.4	30.75	169.5	38.73	176.1	40.68
	23	88.8	16.59	100.2	19.32	111.9	22.29	123.3	25.50	135.0	28.98	146.4	32.76	169.5	41.28	173.4	42.06
	25	88.8	17.61	100.2	20.55	111.9	23.70	123.3	27.15	135.0	30.87	146.4	34.89	168.0	43.14	171.0	43.44
	27	88.8	18.72	100.2	21.84	111.9	25.20	123.3	28.86	135.0	32.82	146.4	37.14	165.3	44.52	168.3	44.85
	30	88.8	20.43	100.2	23.88	111.9	27.60	123.3	31.62	135.0	36.00	146.4	40.77	161.4	46.86	164.4	47.28
	33	88.8	22.32	100.2	26.07	111.9	30.18	123.3	34.62	135.0	39.60	146.4	45.24	157.5	49.65	160.5	50.04
	35	88.8	23.64	100.2	27.66	111.9	32.01	123.3	36.99	135.0	42.51	146.4	48.63	155.1	51.48	157.8	51.90
	37	88.8	25.05	100.2	29.34	111.9	34.23	123.3	39.66	135.0	45.63	146.4	52.23	152.4	53.34	155.4	53.76
	40	88.8	27.48	100.2	32.46	111.9	37.95	123.3	44.01	135.0	50.73	142.8	55.26	148.5	56.10	151.2	56.52
	43	88.8	30.36	100.2	35.91	111.9	42.03	123.3	48.84	135.0	56.40	138.9	58.02	144.6	58.89	147.3	59.31
	46	88.8	33.48	100.2	39.66	111.9	46.56	123.3	54.21	132.3	60.36	135.0	60.78	140.4	61.65	143.1	62.10
121.5 (90%)	10	79.8	13.77	90.3	15.33	100.5	16.92	111.0	18.48	121.5	20.04	131.7	21.60	152.4	24.75	162.9	26.31
	15	79.8	13.77	90.3	15.33	100.5	16.92	111.0	18.48	121.5	20.04	131.7	21.63	152.4	26.91	162.9	29.85
	21	79.8	14.04	90.3	15.90	100.5	18.24	111.0	20.73	121.5	23.43	131.7	26.31	152.4	32.73	162.9	36.33
	23	79.8	14.61	90.3	16.92	100.5	19.41	111.0	22.08	121.5	24.96	131.7	28.02	152.4	34.89	162.9	38.73
	25	79.8	15.51	90.3	18.00	100.5	20.64	111.0	23.49	121.5	26.55	131.7	29.82	152.4	37.17	162.9	41.25
	27	79.8	16.47	90.3	19.11	100.5	21.93	111.0	24.96	121.5	28.23	131.7	31.74	152.4	39.57	162.9	43.95
	30	79.8	18.00	90.3	20.88	100.5	23.97	111.0	27.33	121.5	30.90	131.7	34.77	152.4	43.44	159.9	46.65
	33	79.8	19.62	90.3	22.77	100.5	26.19	111.0	29.88	121.5	33.84	131.7	38.16	152.4	48.48	156.0	49.44
	35	79.8	20.76	90.3	24.15	100.5	27.78	111.0	31.71	121.2	36.09	131.7	40.95	150.9	50.88	153.6	51.27
	37	79.8	21.99	90.3	25.56	100.5	29.46	111.0	33.90	121.5	38.70	131.7	43.95	148.2	52.71	151.2	53.13
	40	79.8	23.97	90.3	28.11	100.5	32.61	111.0	37.56	121.5	42.93	131.7	48.84	144.6	55.50	147.3	55.92
	43	79.8	26.43	90.3	31.05	100.5	36.09	111.0	41.58	121.5	47.64	131.7	54.27	140.7	58.29	143.4	58.71
	46	79.8	29.13	90.3	34.26	100.5	39.87	111.0	46.05	121.5	52.86	131.7	60.24	136.8	61.08	139.5	61.50
108.0 (80%)	10	70.8	12.42	80.1	13.83	89.4	15.21	98.7	16.62	108.0	18.00	117.0	19.41	135.6	22.17	144.9	23.58
	15	70.8	12.42	80.1	13.83	89.4	15.21	98.7	16.62	108.0	18.00	117.0	19.41	135.6	22.56	144.9	24.87
	21	70.8	12.69	80.1	14.10	89.4	15.72	98.7	17.79	108.0	19.98	117.0	22.29	135.6	27.42	144.9	30.24
	23	70.8	13.17	80.1	14.70	89.4	16.74	98.7	18.93	108.0	21.24	117.0	23.73	135.6	29.22	144.9	32.22
	25	70.8	13.68	80.1	15.60	89.4	17.79	98.7	20.13	108.0	22.62	117.0	25.26	135.6	31.11	144.9	34.32
	27	70.8	14.37	80.1	16.56	89.4	18.90	98.7	21.39	108.0	24.03	117.0	26.85	135.6	33.09	144.9	36.51
	30	70.8	15.69	80.1	18.09	89.4	20.64	98.7	23.37	108.0	26.28	117.0	29.40	135.6	36.27	144.9	40.08
	33	70.8	17.07	80.1	19.71	89.4	22.53	98.7	25.53	108.0	28.74	117.0	32.16	135.6	39.90	144.9	44.40
	35	70.8	18.06	80.1	20.88	89.4	23.88	98.7	27.06	108.0	30.48	117.0	34.20	135.6	42.87	144.9	47.73
	37	70.8	19.11	80.1	22.08	89.4	25.29	98.7	28.68	108.0	32.52	117.0	36.66	135.6	46.02	144.9	51.27
	40	70.8	20.76	80.1	24.12	89.4	27.78	98.7	31.74	108.0	36.03	117.0	40.68	135.6	51.15	142.5	55.20
	43	70.8	22.80	80.1	26.58	89.4	30.66	98.7	35.10	108.0	39.87	117.0	45.06	135.6	56.88	138.9	58.02
	46	70.8	25.08	80.1	29.28	89.4	33.84	98.7	38.76	108.0	44.13	117.0	49.98	132.6	60.39	135.3	60.81
94.5 (70%)	10	62.1	11.10	70.2	12.30	78.3	13.53	86.4	14.76	94.5	15.96	102.3	17.19	118.5	19.62	126.6	20.85
	15	62.1	11.10	70.2	12.30	78.3	13.53	86.4	14.76	94.5	15.96	102.3	17.19	118.5	19.62	126.6	20.85
	21	62.1	11.31	70.2	12.54	78.3	13.80	86.4	15.06	94.5	16.83	102.3	18.66	118.5	22.68	126.6	24.87
	23	62.1	11.73	70.2	13.05	78.3	14.34	86.4	16.02	94.5	17.88	102.3	19.86	118.5	24.15	126.6	26.49
	25	62.1	12.18	70.2	13.53	78.3	15.15	86.4	17.04	94.5	19.02	102.3	21.12	118.5	25.71	126.6	28.20
	27	62.1	12.63	70.2	14.19	78.3	16.08	86.4	18.09	94.5	20.22	102.3	22.44	118.5	27.33	126.6	29.97
	30	62.1	13.50	70.2	15.48	78.3	17.55	86.4	19.77	94.5	22.08	102.3	24.57	118.5	29.94	126.6	32.85
	33	62.1	14.70	70.2	16.86	78.3	19.14	86.4	21.57	94.5	24.12	102.3	26.82	118.5	32.76	126.6	35.97
	35	62.1	15.54	70.2	17.82	78.3	20.25	86.4	22.83	94.5	25.56	102.3	28.44	118.5	34.86	126.6	38.52
	37	62.1	16.41	70.2	18.87	78.3	21.45	86.4	24.18	94.5	27.09	102.3	30.24	118.5	37.38	126.6	41.34
	40	62.1	17.82	70.2	20.49	78.3	23.37	86.4	26.52	94.5	29.88	102.3	33.48	118.5	41.46	126.6	45.90
	43	62.1	19.44	70.2	22.50	78.3	25.77	86.4	29.25	94.5	33.00	102.3	37.02	118.5	45.96	126.6	50.94
	46	62.1	21.36	70.2	24.75	78.3	28.38	86.4	32.25	94.5	36.45	102.3	40.92	118.5	50.97	126.6	56.61
81.0 (60%)	10	53.1	9.75	60.0	10.80	66.9	11.85	73.8	12.90	81.0	13.92	87.9	14.97	101.7	17.07	108.6	18.12
	15	53.1	9.75	60.0	10.80	66.9	11.85	73.8	12.90	81.0	13.92	87.9	14.97	101.7	17.07	108.6	18.12
	21	53.1	9.93	60.0	11.01	66.9	12.06	73.8	13.14	81.0	14.22	87.9	15.39	101.7	18.48	108.6	20.13
	23	53.1	10.29	60.0	11.43	66.9	12.54	73.8	13.65	81.0	14.85	87.9	16.38	101.7	19.65	108.6	21.45
	25	53.1	10.68	60.0	11.85	66.9	13.02	73.8	14.22	81.0	15.75	87.9	17.40	101.7	20.91	108.6	22.80
	27	53.1	11.07	60.0	12.30	66.9	13.50	73.8	15.06	81.0	16.74	87.9	18.48	101.7	22.23	108.6	24.24
	30	53.1	11.67	60.0	13.05	66.9	14.70	73.8	16.44	81.0	18.27	87.9	20.19	101.7	24.30	108.6	26.52
	33	53.1	12.48	60.0	14.19	66.9	16.02	73.8	17.91	81.0	19.92	87.9	22.02	101.7	26.55	108.6	28.98
	35	53.1	13.17	60.0	15.00	66.9	16.92	73.8	18.96	81.0	21.09	87.9	23.34	101.7	28.17	108.6	30.75
	37	53.1	13.89	60.0	15.84	66.9	17.91	73.8	20.07	81.0	22.32	87.9	24.72	101.7	29.91	108.6	32.82
	40	53.1	15.06	60.0	17.19	66.9	19.44	73.8	21.81	81.0	24.36	87.9	27.12	101.7	33.09	108.6	36.36
	43	53.1	16.32	60.0	18.72	66.9	21.30	73.8	24.00	81.0	26.88	87.9	29.94	101.7	36.60	108.6	40.26
	46	53.1	17.88	60.0	20.55	66.9	23.40	73.8	26.43	81.0	29.61	87.9	33.03	101.7	40.47	108.6	44.55
67.5 (50%)	10	44.4	8.40	50.1	9.27	55.8	10.14	61.5	11.01	67.5	11.88	73.2	12.75	84.6	14.52	90.3	15.39
	15	44.4	8.40	50.1	9.27	55.8	10.14	61.5	11.01	67.5	11.88	73.2	12.75	84.6	14.52	90.3	15.39
	21	44.4	8.55	50.1	9.45	55.8	10.35	61.5	11.22	67.5	12.12	73.2	13.02	84.6	14.79	90.3	15.96
	23	44.4	8.88	50.1	9.81	55.8	10.74	61.5	11.67	67.5	12.60	73.2	13.53	84.6	15.66	90.3	16.98
	25	44.4	9.18	50.1	10.17	55.8	11.13	61.5	12.09	67.5	13.08	73.2	14.04	84.6	16.65	90.3	18.03
	27	44.4	9.51	50.1	10.53	55.8	11.55	61.5	12.54	67.5	13.56	73.2	14.88	84.6	17.67	90.3	19.17
	30	44.4	10.02	50.1	11.10	55.8	12.18	61.5	13.41	67.5	14.79	73.2	16.23	84.6	19.32	90.3	20.94
	33	44.4	10.53	50.1	11.70	55.8	13.11	61.5	14.58	67.5	16.11	73.2	17.70	84.6	21.06	90.3	22.86
	35	44.4	10.92	50.1	12.36	55.8	13.86	61.5	15.42	67.5	17.04	73.2	18.72	84.6	22.32	90.3	24.21
	37	44.4	11.52	50.1	13.05	55.8	14.64	61.5	16.29	67.5	18.00	73.2	19.80	84.6	23.61	90.3	25.65
	40	44.4	12.45	50.1	14.13	55.8	15.87	61.5	17.67	67.5	19.56	73.2	21.54	84.6	25.86	90.3	28.20
	43	44.4	13.47	50.1	15.30	55.8	17.22	61.5	19.26	67.5	21.42	73.2	23.67	84.6	28.53	90.3	31.14
	46	44.4	14.67	50.1	16.71	55.8	18.90	61.5	21.18	67.5	23.55	73.2	26.07	84.6	31.47	90.3	34.38

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

2-4-2. ENERGY EFFICIENCY COMBINATION

COOLING CAPACITY

■ MODEL : AJ✳144LALHH

● Capacity : 44.8 kW (16HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
67.2 (150%)	10	44.2	5.72	49.8	6.40	55.6	7.06	61.4	8.22	64.4	8.82	65.8	8.90	68.2	9.06	69.4	9.14
	15	44.2	5.84	49.8	6.98	55.6	8.26	61.0	9.58	62.2	9.68	63.4	9.76	65.8	9.92	67.0	10.00
	21	44.2	7.04	49.8	8.42	55.6	9.98	58.4	10.60	59.6	10.70	60.6	10.78	63.0	10.96	64.2	11.04
	23	44.2	7.48	49.8	8.96	55.6	10.60	57.4	10.94	58.6	11.04	59.8	11.12	62.0	11.30	63.2	11.40
	25	44.2	7.94	49.8	9.52	55.4	11.20	56.6	11.28	57.6	11.38	58.8	11.46	61.0	11.64	62.2	11.74
	27	44.2	8.44	49.8	10.10	54.6	11.54	55.6	11.62	56.8	11.72	57.8	11.82	60.0	12.02	61.2	12.14
	30	44.2	9.22	49.8	11.06	53.2	12.12	54.2	12.24	55.4	12.34	56.4	12.46	58.6	12.70	59.6	12.82
	33	44.2	10.08	49.8	12.26	51.8	12.80	52.8	12.90	54.0	13.02	55.0	13.14	57.2	13.38	58.2	13.50
	35	44.2	10.80	49.8	13.12	50.8	13.24	52.0	13.36	53.0	13.48	54.0	13.60	56.2	13.84	57.2	13.94
	37	44.2	11.56	49.0	13.58	50.0	13.70	51.0	13.82	52.0	13.94	53.0	14.06	55.2	14.28	56.2	14.40
	40	44.2	12.80	47.6	14.26	48.6	14.38	49.6	14.50	50.6	14.62	51.6	14.74	53.8	14.96	54.8	15.08
	43	44.2	14.16	46.2	14.92	47.2	15.06	48.2	15.18	49.2	15.30	50.2	15.42	52.2	15.64	53.2	15.76
	46	43.8	15.48	44.8	15.60	45.8	15.74	46.8	15.86	47.8	15.98	48.8	16.10	50.8	16.34	51.8	16.44
62.7 (140%)	10	41.2	5.38	46.6	6.00	51.8	6.62	57.2	7.34	62.6	8.52	64.8	8.84	67.2	9.00	68.4	9.06
	15	41.2	5.38	46.6	6.30	51.8	7.42	57.2	8.66	61.4	9.60	62.6	9.68	64.8	9.84	66.0	9.94
	21	41.2	6.40	46.6	7.60	51.8	8.94	57.2	10.44	58.6	10.62	59.8	10.72	62.0	10.88	63.2	10.98
	23	41.2	6.80	46.6	8.08	51.8	9.52	56.6	10.88	57.8	10.98	58.8	11.06	61.2	11.24	62.2	11.32
	25	41.2	7.22	46.6	8.58	51.8	10.12	55.8	11.22	56.8	11.32	58.0	11.40	60.2	11.58	61.2	11.68
	27	41.2	7.66	46.6	9.10	51.8	10.74	54.8	11.56	56.0	11.66	57.0	11.74	59.2	11.94	60.2	12.04
	30	41.2	8.36	46.6	9.96	51.8	11.80	53.6	12.16	54.6	12.26	55.6	12.38	57.8	12.62	58.8	12.72
	33	41.2	9.12	46.6	10.96	51.2	12.72	52.2	12.84	53.2	12.94	54.2	13.06	56.4	13.30	57.4	13.42
	35	41.2	9.72	46.6	11.74	50.2	13.16	51.2	13.28	52.2	13.40	53.4	13.52	55.4	13.76	56.4	13.86
	37	41.2	10.40	46.6	12.58	49.4	13.62	50.4	13.74	51.4	13.86	52.4	13.98	54.4	14.20	55.6	14.32
	40	41.2	11.50	46.6	13.92	48.0	14.30	49.0	14.42	50.0	14.54	51.0	14.66	53.0	14.90	54.0	15.00
	43	41.2	12.70	45.6	14.86	46.6	14.98	47.6	15.10	48.6	15.22	49.6	15.34	51.6	15.58	52.6	15.68
	46	41.2	14.04	44.2	15.54	45.2	15.66	46.2	15.78	47.2	15.90	48.2	16.02	50.2	16.26	51.2	16.38
58.2 (130%)	10	38.2	5.04	43.2	5.62	48.2	6.20	53.2	6.78	58.2	7.52	63.2	8.64	66.0	8.92	67.2	9.00
	15	38.2	5.04	43.2	5.66	48.2	6.62	53.2	7.70	58.2	8.86	61.4	9.62	63.8	9.78	65.0	9.86
	21	38.2	5.78	43.2	6.84	48.2	8.00	53.2	9.28	57.8	10.56	58.8	10.64	61.0	10.82	62.2	10.90
	23	38.2	6.14	43.2	7.26	48.2	8.50	53.2	9.88	56.8	10.90	58.0	10.98	60.2	11.16	61.2	11.24
	25	38.2	6.52	43.2	7.72	48.2	9.04	53.2	10.50	56.0	11.24	57.0	11.32	59.2	11.50	60.4	11.60
	27	38.2	6.92	43.2	8.18	48.2	9.60	53.2	11.16	55.0	11.58	56.2	11.68	58.2	11.86	59.4	11.94
	30	38.2	7.54	43.2	8.94	48.2	10.50	52.8	12.06	53.8	12.18	54.8	12.30	57.0	12.52	58.0	12.64
	33	38.2	8.22	43.2	9.76	48.2	11.58	51.4	12.74	52.4	12.86	53.4	12.98	55.6	13.20	56.6	13.32
	35	38.2	8.72	43.2	10.46	48.2	12.42	50.6	13.20	51.6	13.32	52.6	13.44	54.6	13.66	55.6	13.78
	37	38.2	9.32	43.2	11.18	48.2	13.30	49.6	13.66	50.6	13.78	51.6	13.88	53.6	14.12	54.6	14.24
	40	38.2	10.30	43.2	12.38	47.4	14.22	48.2	14.34	49.2	14.46	50.2	14.58	52.2	14.80	53.2	14.92
	43	38.2	11.36	43.2	13.68	46.0	14.90	47.0	15.02	48.0	15.14	48.8	15.26	50.8	15.48	51.8	15.60
	46	38.2	12.54	43.2	15.14	44.6	15.58	45.6	15.70	46.6	15.82	47.4	15.94	49.4	16.18	50.4	16.28
53.8 (120%)	10	35.2	4.70	39.8	5.24	44.4	5.76	49.0	6.30	53.6	6.84	58.2	7.56	64.6	8.84	65.8	8.92
	15	35.2	4.70	39.8	5.24	44.4	5.90	49.0	6.80	53.6	7.80	58.2	8.90	62.6	9.70	63.8	9.78
	21	35.2	5.20	39.8	6.12	44.4	7.12	49.0	8.22	53.6	9.42	57.8	10.56	60.0	10.72	61.0	10.80
	23	35.2	5.54	39.8	6.50	44.4	7.56	49.0	8.74	53.6	10.02	56.8	10.90	59.0	11.08	60.2	11.16
	25	35.2	5.86	39.8	6.90	44.4	8.04	49.0	9.28	53.6	10.66	56.0	11.24	58.2	11.42	59.2	11.50
	27	35.2	6.22	39.8	7.32	44.4	8.52	49.0	9.86	53.6	11.32	55.2	11.60	57.2	11.76	58.4	11.86
	30	35.2	6.78	39.8	8.00	44.4	9.32	49.0	10.78	52.8	12.08	53.8	12.18	56.0	12.42	57.0	12.52
	33	35.2	7.40	39.8	8.72	44.4	10.20	49.0	11.94	51.6	12.76	52.6	12.88	54.6	13.10	55.6	13.22
	35	35.2	7.82	39.8	9.28	44.4	10.94	49.0	12.80	50.6	13.22	51.6	13.34	53.6	13.56	54.6	13.66
	37	35.2	8.32	39.8	9.92	44.4	11.70	48.8	13.56	49.8	13.68	50.8	13.78	52.8	14.02	53.8	14.12
	40	35.2	9.18	39.8	10.96	44.4	12.94	47.6	14.24	48.4	14.36	49.4	14.48	51.4	14.70	52.4	14.82
	43	35.2	10.12	39.8	12.10	44.4	14.32	46.2	14.92	47.2	15.04	48.0	15.16	50.0	15.40	51.0	15.50
	46	35.2	11.16	39.8	13.36	44.0	15.50	44.8	15.62	45.8	15.74	46.8	15.84	48.6	16.08	49.6	16.20
49.3 (110%)	10	32.4	4.36	36.6	4.84	40.8	5.34	45.0	5.82	49.2	6.32	53.4	6.80	61.8	8.34	64.4	8.82
	15	32.4	4.36	36.6	4.84	40.8	5.34	45.0	6.00	49.2	6.84	53.4	7.74	61.2	9.60	62.2	9.68
	21	32.4	4.66	36.6	5.44	40.8	6.30	45.0	7.24	49.2	8.24	53.4	9.34	58.6	10.62	59.8	10.72
	23	32.4	4.96	36.6	5.78	40.8	6.70	45.0	7.68	49.2	8.76	53.4	9.94	57.8	10.98	58.8	11.06
	25	32.4	5.26	36.6	6.14	40.8	7.10	45.0	8.16	49.2	9.32	53.4	10.56	57.0	11.32	58.0	11.40
	27	32.4	5.56	36.6	6.52	40.8	7.54	45.0	8.66	49.2	9.90	53.4	11.22	56.0	11.66	57.2	11.76
	30	32.4	6.06	36.6	7.10	40.8	8.24	45.0	9.48	49.2	10.82	52.8	12.08	54.8	12.30	55.8	12.40
	33	32.4	6.60	36.6	7.74	40.8	8.98	45.0	10.38	49.2	11.98	51.6	12.76	53.4	12.98	54.4	13.10
	35	32.4	7.00	36.6	8.20	40.8	9.58	45.0	11.12	49.2	12.84	50.6	13.22	52.6	13.44	53.6	13.56
	37	32.4	7.40	36.6	8.74	40.8	10.24	45.0	11.90	48.8	13.56	49.8	13.68	51.8	13.90	52.8	14.02
	40	32.4	8.14	36.6	9.66	40.8	11.32	45.0	13.18	47.6	14.24	48.6	14.36	50.4	14.58	51.4	14.70
	43	32.4	8.98	36.6	10.64	40.8	12.50	45.0	14.58	46.2	14.94	47.2	15.06	49.0	15.28	50.0	15.40
	46	32.4	9.88	36.6	11.74	40.8	13.82	44.0	15.50	45.0	15.62	45.8	15.74	47.8	15.98	48.6	16.08

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳144LALHH

● Capacity : 44.8 kW (16HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
44.8 (100%)	10	29.4	4.00	33.2	4.46	37.0	4.90	40.8	5.34	44.8	5.80	48.6	6.24	56.2	7.12	60.0	7.94
	15	29.4	4.00	33.2	4.46	37.0	4.90	40.8	5.34	44.8	5.94	48.6	6.70	56.2	8.40	60.0	9.34
	21	29.4	4.16	33.2	4.82	37.0	5.54	40.8	6.32	44.8	7.18	48.6	8.08	56.2	10.14	58.2	10.60
	23	29.4	4.42	33.2	5.12	37.0	5.90	40.8	6.72	44.8	7.62	48.6	8.60	56.2	10.78	57.4	10.94
	25	29.4	4.68	33.2	5.44	37.0	6.26	40.8	7.14	44.8	8.10	48.6	9.12	55.6	11.22	56.6	11.30
	27	29.4	4.96	33.2	5.76	37.0	6.62	40.8	7.58	44.8	8.60	48.6	9.70	54.8	11.56	55.8	11.64
	30	29.4	5.40	33.2	6.28	37.0	7.24	40.8	8.26	44.8	9.38	48.6	10.60	53.6	12.16	54.4	12.26
	33	29.4	5.88	33.2	6.84	37.0	7.88	40.8	9.02	44.8	10.30	48.6	11.72	52.2	12.84	53.2	12.96
	35	29.4	6.20	33.2	7.24	37.0	8.36	40.8	9.62	44.8	11.02	48.6	12.56	51.4	13.30	52.4	13.42
	37	29.4	6.56	33.2	7.66	37.0	8.92	40.8	10.28	44.8	11.80	48.6	13.46	50.6	13.76	51.6	13.88
	40	29.4	7.18	33.2	8.44	37.0	9.84	40.8	11.36	44.8	13.06	47.4	14.24	49.2	14.46	50.2	14.56
	43	29.4	7.90	33.2	9.30	37.0	10.86	40.8	12.56	44.8	14.44	46.2	14.92	48.0	15.14	49.0	15.26
	46	29.4	8.68	33.2	10.24	37.0	11.98	40.8	13.88	44.0	15.50	44.8	15.62	46.6	15.84	47.6	15.96
40.3 (90%)	10	26.4	3.66	29.8	4.06	33.4	4.46	36.8	4.86	40.2	5.28	43.6	5.68	50.6	6.48	54.0	6.88
	15	26.4	3.66	29.8	4.06	33.4	4.46	36.8	4.86	40.2	5.28	43.6	5.74	50.6	7.12	54.0	7.88
	21	26.4	3.74	29.8	4.24	33.4	4.84	36.8	5.50	40.2	6.18	43.6	6.94	50.6	8.60	54.0	9.52
	23	26.4	3.90	29.8	4.50	33.4	5.14	36.8	5.84	40.2	6.58	43.6	7.38	50.6	9.14	54.0	10.12
	25	26.4	4.14	29.8	4.78	33.4	5.46	36.8	6.20	40.2	6.98	43.6	7.82	50.6	9.72	54.0	10.76
	27	26.4	4.38	29.8	5.06	33.4	5.78	36.8	6.56	40.2	7.40	43.6	8.30	50.6	10.32	54.0	11.44
	30	26.4	4.76	29.8	5.50	33.4	6.30	36.8	7.16	40.2	8.08	43.6	9.08	50.6	11.28	53.0	12.10
	33	26.4	5.18	29.8	6.00	33.4	6.86	36.8	7.80	40.2	8.82	43.6	9.92	50.6	12.54	51.8	12.78
	35	26.4	5.48	29.8	6.34	33.4	7.26	36.8	8.26	40.2	9.40	43.6	10.62	50.0	13.14	51.0	13.26
	37	26.4	5.78	29.8	6.70	33.4	7.70	36.8	8.82	40.2	10.04	43.6	11.38	49.2	13.60	50.2	13.72
	40	26.4	6.28	29.8	7.34	33.4	8.48	36.8	9.74	40.2	11.10	43.6	12.58	48.0	14.30	49.0	14.40
	43	26.4	6.90	29.8	8.08	33.4	9.36	36.8	10.74	40.2	12.26	43.6	13.92	46.8	15.00	47.6	15.10
	46	26.4	7.58	29.8	8.88	33.4	10.30	36.8	11.84	40.2	13.54	43.6	15.40	45.6	15.70	46.4	15.80
35.8 (80%)	10	23.4	3.32	26.6	3.68	29.6	4.04	32.6	4.40	35.8	4.74	38.8	5.10	45.0	5.82	48.0	6.18
	15	23.4	3.32	26.6	3.68	29.6	4.04	32.6	4.40	35.8	4.74	38.8	5.10	45.0	5.98	48.0	6.58
	21	23.4	3.38	26.6	3.76	29.6	4.20	32.6	4.72	35.8	5.30	38.8	5.90	45.0	7.22	48.0	7.96
	23	23.4	3.52	26.6	3.92	29.6	4.46	32.6	5.02	35.8	5.62	38.8	6.26	45.0	7.68	48.0	8.46
	25	23.4	3.64	26.6	4.16	29.6	4.72	32.6	5.32	35.8	5.96	38.8	6.64	45.0	8.16	48.0	8.98
	27	23.4	3.84	26.6	4.40	29.6	5.00	32.6	5.64	35.8	6.32	38.8	7.06	45.0	8.66	48.0	9.54
	30	23.4	4.18	26.6	4.78	29.6	5.44	32.6	6.16	35.8	6.90	38.8	7.70	45.0	9.46	48.0	10.42
	33	23.4	4.52	26.6	5.20	29.6	5.92	32.6	6.70	35.8	7.52	38.8	8.40	45.0	10.38	48.0	11.52
	35	23.4	4.78	26.6	5.50	29.6	6.26	32.6	7.08	35.8	7.96	38.8	8.92	45.0	11.10	48.0	12.34
	37	23.4	5.04	26.6	5.80	29.6	6.62	32.6	7.50	35.8	8.48	38.8	9.52	45.0	11.90	48.0	13.22
	40	23.4	5.46	26.6	6.32	29.6	7.26	32.6	8.26	35.8	9.36	38.8	10.52	45.0	13.16	47.4	14.22
	43	23.4	5.98	26.6	6.94	29.6	7.98	32.6	9.10	35.8	10.32	38.8	11.62	45.0	14.56	46.2	14.92
	46	23.4	6.56	26.6	7.62	29.6	8.78	32.6	10.02	35.8	11.36	38.8	12.82	44.2	15.52	45.0	15.62
31.4 (70%)	10	20.6	2.98	23.2	3.30	25.8	3.60	28.6	3.92	31.2	4.22	34.0	4.54	39.4	5.16	42.0	5.48
	15	20.6	2.98	23.2	3.30	25.8	3.60	28.6	3.92	31.2	4.22	34.0	4.54	39.4	5.16	42.0	5.48
	21	20.6	3.04	23.2	3.36	25.8	3.68	28.6	4.02	31.2	4.48	34.0	4.96	39.4	6.00	42.0	6.56
	23	20.6	3.14	23.2	3.48	25.8	3.82	28.6	4.28	31.2	4.76	34.0	5.26	39.4	6.38	42.0	6.98
	25	20.6	3.26	23.2	3.60	25.8	4.04	28.6	4.52	31.2	5.04	34.0	5.58	39.4	6.76	42.0	7.40
	27	20.6	3.38	23.2	3.80	25.8	4.28	28.6	4.80	31.2	5.34	34.0	5.92	39.4	7.18	42.0	7.86
	30	20.6	3.62	23.2	4.12	25.8	4.66	28.6	5.22	31.2	5.82	34.0	6.46	39.4	7.84	42.0	8.58
	33	20.6	3.92	23.2	4.46	25.8	5.06	28.6	5.68	31.2	6.34	34.0	7.04	39.4	8.54	42.0	9.36
	35	20.6	4.12	23.2	4.72	25.8	5.34	28.6	6.00	31.2	6.70	34.0	7.44	39.4	9.08	42.0	10.02
	37	20.6	4.36	23.2	4.98	25.8	5.64	28.6	6.34	31.2	7.08	34.0	7.88	39.4	9.70	42.0	10.70
	40	20.6	4.70	23.2	5.40	25.8	6.12	28.6	6.94	31.2	7.78	34.0	8.70	39.4	10.72	42.0	11.84
	43	20.6	5.12	23.2	5.90	25.8	6.74	28.6	7.62	31.2	8.58	34.0	9.58	39.4	11.84	42.0	13.08
	46	20.6	5.60	23.2	6.46	25.8	7.38	28.6	8.38	31.2	9.44	34.0	10.56	39.4	13.08	42.0	14.48
26.9 (60%)	10	17.6	2.64	19.8	2.90	22.2	3.18	24.4	3.44	26.8	3.70	29.0	3.98	33.6	4.50	36.0	4.78
	15	17.6	2.64	19.8	2.90	22.2	3.18	24.4	3.44	26.8	3.70	29.0	3.98	33.6	4.50	36.0	4.78
	21	17.6	2.68	19.8	2.96	22.2	3.24	24.4	3.50	26.8	3.78	29.0	4.10	33.6	4.90	36.0	5.34
	23	17.6	2.78	19.8	3.06	22.2	3.36	24.4	3.64	26.8	3.96	29.0	4.36	33.6	5.22	36.0	5.66
	25	17.6	2.88	19.8	3.18	22.2	3.48	24.4	3.80	26.8	4.20	29.0	4.62	33.6	5.52	36.0	6.02
	27	17.6	2.98	19.8	3.28	22.2	3.62	24.4	4.02	26.8	4.44	29.0	4.90	33.6	5.86	36.0	6.38
	30	17.6	3.14	19.8	3.50	22.2	3.92	24.4	4.36	26.8	4.84	29.0	5.32	33.6	6.38	36.0	6.96
	33	17.6	3.34	19.8	3.78	22.2	4.26	24.4	4.74	26.8	5.26	29.0	5.80	33.6	6.96	36.0	7.58
	35	17.6	3.52	19.8	4.00	22.2	4.48	24.4	5.00	26.8	5.56	29.0	6.12	33.6	7.36	36.0	8.02
	37	17.6	3.70	19.8	4.20	22.2	4.74	24.4	5.28	26.8	5.86	29.0	6.48	33.6	7.80	36.0	8.56
	40	17.6	4.00	19.8	4.54	22.2	5.12	24.4	5.74	26.8	6.38	29.0	7.08	33.6	8.60	36.0	9.44
	43	17.6	4.32	19.8	4.94	22.2	5.60	24.4	6.28	26.8	7.02	29.0	7.80	33.6	9.48	36.0	10.40
	46	17.6	4.72	19.8	5.40	22.2	6.12	24.4	6.90	26.8	7.70	29.0	8.56	33.6	10.44	36.0	11.48
22.4 (50%)	10	14.6	2.30	16.6	2.52	18.4	2.74	20.4	2.96	22.4	3.18	24.2	3.40	28.0	3.86	30.0	4.08
	15	14.6	2.30	16.6	2.52	18.4	2.74	20.4	2.96	22.4	3.18	24.2	3.40	28.0	3.86	30.0	4.08
	21	14.6	2.34	16.6	2.56	18.4	2.78	20.4	3.02	22.4	3.24	24.2	3.48	28.0	3.94	30.0	4.26
	23	14.6	2.42	16.6	2.66	18.4	2.88	20.4	3.12	22.4	3.36	24.2	3.60	28.0	4.18	30.0	4.52
	25	14.6	2.50	16.6	2.74	18.4	3.00	20.4	3.24	22.4	3.48	24.2	3.76	28.0	4.42	30.0	4.78
	27	14.6	2.58	16.6	2.84	18.4	3.10	20.4	3.36	22.4	3.64	24.2	3.96	28.0	4.70	30.0	5.08
	30	14.6	2.70	16.6	2.98	18.4	3.26	20.4	3.58	22.4	3.94	24.2	4.32	28.0	5.10	30.0	5.52
	33	14.6	2.84	16.6	3.14	18.4	3.50	20.4	3.88	22.4	4.28	24.2	4.68	28.0	5.56	30.0	6.02
	35	14.6	2.94	16.6	3.32	18.4	3.70	20.4	4.10	22.4	4.52	24.2	4.94	28.0	5.86	30.0	6.36
	37	14.6	3.10	16.6	3.48	18.4	3.90	20.4	4.32	22.4	4.76	24.2	5.22	28.0	6.20	30.0	6.72
	40	14.6	3.34	16.6	3.76	18.4	4.20	20.4	4.68	22.4	5.16	24.2	5.66	28.0	6.76	30.0	7.36
	43	14.6	3.60	16.6	4.06	18.4	4.56	20.4	5.08	22.4	5.62	24.2	6.20	28.0	7.44	30.0	8.10
	46	14.6	3.90	16.6	4.42	18.4	4.98	20.4	5.56	22.4	6.16	24.2	6.80	28.0	8.18	30.0	8.90

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳198LALHH

● Capacity : 62.4 kW (22HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
93.6 (150%)	10	61.5	8.83	69.5	9.87	77.5	10.90	85.5	12.62	89.9	13.58	91.7	13.70	95.2	13.94	96.9	14.06
	15	61.5	8.96	69.5	10.72	77.5	12.69	85.1	14.78	86.8	14.91	88.5	15.03	91.9	15.28	93.5	15.41
	21	61.5	10.83	69.5	12.96	77.5	15.37	81.4	16.37	83.0	16.51	84.6	16.63	87.8	16.90	89.5	17.04
	23	61.5	11.52	69.5	13.80	77.5	16.35	80.1	16.90	81.7	17.04	83.3	17.17	86.5	17.44	88.1	17.59
	25	61.5	12.24	69.5	14.67	77.3	17.30	78.9	17.43	80.4	17.57	82.0	17.71	85.1	17.98	86.7	18.13
	27	61.5	13.00	69.5	15.59	76.0	17.83	77.5	17.96	79.1	18.11	80.6	18.25	83.7	18.56	85.3	18.74
	30	61.5	14.22	69.5	17.08	74.1	18.73	75.6	18.91	77.1	19.08	78.6	19.26	81.7	19.62	83.2	19.80
	33	61.5	15.58	69.5	18.96	72.2	19.79	73.6	19.96	75.2	20.14	76.6	20.33	79.7	20.69	81.1	20.87
	35	61.5	16.70	69.4	20.31	70.9	20.49	72.4	20.67	73.8	20.86	75.3	21.04	78.3	21.40	79.7	21.57
	37	61.5	17.89	68.2	21.02	69.6	21.20	71.1	21.39	72.5	21.57	73.9	21.75	76.9	22.11	78.3	22.29
	40	61.5	19.83	66.3	22.08	67.7	22.27	69.1	22.45	70.5	22.64	71.9	22.82	74.9	23.17	76.3	23.36
	43	61.5	21.97	64.3	23.13	65.7	23.33	67.1	23.52	68.5	23.70	69.9	23.89	72.7	24.24	74.1	24.42
	46	61.0	24.01	62.4	24.20	63.7	24.39	65.1	24.58	66.5	24.77	67.9	24.95	70.7	25.32	72.1	25.49
87.4 (140%)	10	57.4	8.30	64.9	9.27	72.3	10.23	79.8	11.26	87.3	13.07	90.3	13.60	93.7	13.84	95.5	13.95
	15	57.4	8.30	64.9	9.67	72.3	11.39	79.8	13.30	85.6	14.80	87.2	14.93	90.5	15.17	92.1	15.31
	21	57.4	9.84	64.9	11.70	72.3	13.77	79.8	16.10	81.8	16.40	83.4	16.54	86.5	16.79	88.2	16.93
	23	57.4	10.46	64.9	12.44	72.3	14.66	79.0	16.80	80.6	16.94	82.1	17.07	85.3	17.34	86.8	17.47
	25	57.4	11.11	64.9	13.22	72.3	15.60	77.8	17.34	79.2	17.48	80.8	17.61	83.9	17.88	85.4	18.03
	27	57.4	11.79	64.9	14.04	72.3	16.58	76.4	17.87	78.0	18.01	79.5	18.15	82.5	18.44	84.0	18.60
	30	57.4	12.89	64.9	15.38	72.3	18.22	74.6	18.79	76.1	18.96	77.5	19.14	80.6	19.50	82.0	19.67
	33	57.4	14.08	64.9	16.94	71.3	19.67	72.7	19.85	74.1	20.02	75.6	20.20	78.6	20.56	80.0	20.74
	35	57.4	15.02	64.9	18.16	70.0	20.37	71.4	20.56	72.8	20.74	74.4	20.92	77.2	21.28	78.7	21.45
	37	57.4	16.08	64.9	19.47	68.8	21.09	70.2	21.27	71.6	21.45	73.0	21.63	75.9	21.99	77.4	22.17
	40	57.4	17.81	64.9	21.60	66.8	22.15	68.2	22.33	69.6	22.52	71.0	22.70	73.9	23.06	75.3	23.23
	43	57.4	19.70	63.5	23.03	64.9	23.22	66.3	23.40	67.7	23.59	69.0	23.77	71.8	24.13	73.2	24.30
	46	57.4	21.81	61.6	24.09	62.9	24.28	64.3	24.47	65.7	24.65	67.1	24.84	69.8	25.20	71.2	25.38
81.1 (130%)	10	53.3	7.77	60.2	8.67	67.2	9.57	74.1	10.46	81.1	11.54	88.0	13.25	92.1	13.73	93.8	13.84
	15	53.3	7.77	60.2	8.69	67.2	10.17	74.1	11.82	81.1	13.63	85.7	14.82	89.0	15.07	90.6	15.19
	21	53.3	8.89	60.2	10.52	67.2	12.31	74.1	14.30	80.5	16.30	82.0	16.42	85.1	16.69	86.7	16.81
	23	53.3	9.45	60.2	11.18	67.2	13.10	74.1	15.22	79.2	16.83	80.8	16.96	83.9	17.23	85.4	17.35
	25	53.3	10.04	60.2	11.88	67.2	13.93	74.1	16.19	78.1	17.36	79.5	17.49	82.6	17.77	84.1	17.91
	27	53.3	10.65	60.2	12.61	67.2	14.80	74.1	17.22	76.7	17.90	78.3	18.04	81.2	18.32	82.8	18.45
	30	53.3	11.63	60.2	13.80	67.2	16.20	73.5	18.65	74.9	18.83	76.4	19.00	79.4	19.35	80.8	19.53
	33	53.3	12.69	60.2	15.08	67.2	17.91	71.6	19.71	73.0	19.89	74.5	20.07	77.4	20.42	78.9	20.60
	35	53.3	13.47	60.2	16.17	67.2	19.22	70.4	20.43	71.8	20.61	73.2	20.79	76.1	21.14	77.5	21.31
	37	53.3	14.41	60.2	17.31	67.2	20.61	69.1	21.14	70.5	21.32	71.9	21.49	74.7	21.85	76.2	22.03
	40	53.3	15.94	60.2	19.18	65.9	22.03	67.2	22.21	68.6	22.39	70.0	22.57	72.8	22.92	74.2	23.10
	43	53.3	17.61	60.2	21.24	64.0	23.09	65.4	23.28	66.8	23.46	68.0	23.64	70.8	23.99	72.2	24.17
	46	53.3	19.46	60.2	23.54	62.1	24.16	63.4	24.35	64.8	24.53	66.1	24.71	68.8	25.08	70.2	25.25
74.9 (120%)	10	49.1	7.24	55.5	8.07	61.9	8.89	68.3	9.72	74.8	10.56	81.2	11.59	90.2	13.60	91.9	13.72
	15	49.1	7.24	55.5	8.07	61.9	9.06	68.3	10.45	74.8	11.99	81.2	13.68	87.3	14.94	88.9	15.06
	21	49.1	8.00	55.5	9.41	61.9	10.95	68.3	12.65	74.8	14.51	80.6	16.30	83.6	16.55	85.1	16.67
	23	49.1	8.51	55.5	10.00	61.9	11.65	68.3	13.46	74.8	15.45	79.3	16.83	82.3	17.10	83.9	17.22
	25	49.1	9.03	55.5	10.63	61.9	12.38	68.3	14.31	74.8	16.43	78.1	17.37	81.1	17.64	82.6	17.77
	27	49.1	9.58	55.5	11.28	61.9	13.14	68.3	15.21	74.8	17.47	76.9	17.91	79.8	18.18	81.3	18.32
	30	49.1	10.46	55.5	12.33	61.9	14.38	68.3	16.65	73.6	18.67	75.0	18.84	78.0	19.19	79.4	19.35
	33	49.1	11.41	55.5	13.46	61.9	15.77	68.3	18.46	71.8	19.74	73.3	19.92	76.1	20.26	77.5	20.44
	35	49.1	12.08	55.5	14.33	61.9	16.91	68.3	19.80	70.6	20.45	72.0	20.63	74.8	20.98	76.2	21.15
	37	49.1	12.85	55.5	15.33	61.9	18.11	68.0	20.99	69.4	21.17	70.8	21.34	73.5	21.70	74.9	21.86
	40	49.1	14.20	55.5	16.96	61.9	20.07	66.2	22.06	67.5	22.24	68.8	22.42	71.6	22.77	73.0	22.95
	43	49.1	15.67	55.5	18.76	61.9	22.24	64.3	23.13	65.7	23.31	66.9	23.49	69.6	23.85	71.0	24.02
	46	49.1	17.29	55.5	20.75	61.2	24.03	62.4	24.21	63.7	24.39	65.1	24.57	67.7	24.93	69.0	25.11
68.6 (110%)	10	45.1	6.71	51.0	7.47	56.8	8.23	62.7	8.98	68.6	9.75	74.4	10.50	86.1	12.79	89.8	13.57
	15	45.1	6.71	51.0	7.47	56.8	8.23	62.7	9.21	68.6	10.50	74.4	11.90	85.3	14.79	86.9	14.91
	21	45.1	7.17	51.0	8.37	56.8	9.69	62.7	11.13	68.6	12.69	74.4	14.40	81.8	16.40	83.3	16.53
	23	45.1	7.62	51.0	8.90	56.8	10.31	62.7	11.83	68.6	13.50	74.4	15.32	80.6	16.95	82.1	17.07
	25	45.1	8.09	51.0	9.45	56.8	10.94	62.7	12.58	68.6	14.36	74.4	16.30	79.4	17.49	80.9	17.61
	27	45.1	8.57	51.0	10.03	56.8	11.62	62.7	13.36	68.6	15.26	74.4	17.33	78.2	18.03	79.7	18.16
	30	45.1	9.35	51.0	10.95	56.8	12.71	62.7	14.62	68.6	16.71	73.6	18.67	76.4	19.00	77.8	19.17
	33	45.1	10.19	51.0	11.95	56.8	13.87	62.7	16.04	68.6	18.53	71.8	19.74	74.5	20.08	75.9	20.25
	35	45.1	10.79	51.0	12.66	56.8	14.80	62.7	17.20	68.6	19.88	70.6	20.45	73.3	20.80	74.7	20.97
	37	45.1	11.42	51.0	13.50	56.8	15.84	62.7	18.43	68.0	21.00	69.4	21.17	72.1	21.52	73.5	21.69
	40	45.1	12.58	51.0	14.93	56.8	17.53	62.7	20.43	66.3	22.07	67.6	22.25	70.2	22.59	71.6	22.77
	43	45.1	13.88	51.0	16.48	56.8	19.39	62.7	22.65	64.4	23.15	65.7	23.33	68.3	23.68	69.7	23.85
	46	45.1	15.29	51.0	18.20	56.8	21.46	61.3	24.04	62.6	24.22	63.8	24.41	66.5	24.76	67.7	24.93

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳198LALHH

● Capacity : 62.4 kW (22HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
62.4 (100%)	10	41.0	6.17	46.3	6.87	51.6	7.56	56.9	8.24	62.4	8.94	67.7	9.63	78.3	11.00	83.6	12.17
	15	41.0	6.17	46.3	6.87	51.6	7.56	56.9	8.24	62.4	9.12	67.7	10.29	78.3	12.90	83.6	14.36
	21	41.0	6.39	46.3	7.41	51.6	8.52	56.9	9.73	62.4	11.04	67.7	12.44	78.3	15.62	81.2	16.36
	23	41.0	6.79	46.3	7.88	51.6	9.07	56.9	10.35	62.4	11.73	67.7	13.24	78.3	16.62	80.1	16.90
	25	41.0	7.20	46.3	8.36	51.6	9.63	56.9	10.99	62.4	12.47	67.7	14.07	77.5	17.32	78.9	17.45
	27	41.0	7.63	46.3	8.87	51.6	10.21	56.9	11.67	62.4	13.25	67.7	14.96	76.4	17.86	77.8	17.99
	30	41.0	8.31	46.3	9.68	51.6	11.16	56.9	12.75	62.4	14.49	67.7	16.37	74.6	18.79	75.9	18.95
	33	41.0	9.05	46.3	10.55	51.6	12.17	56.9	13.93	62.4	15.90	67.7	18.13	72.8	19.86	74.2	20.04
	35	41.0	9.57	46.3	11.17	51.6	12.90	56.9	14.86	62.4	17.04	67.7	19.44	71.6	20.58	73.0	20.76
	37	41.0	10.12	46.3	11.82	51.6	13.77	56.9	15.90	62.4	18.26	67.7	20.85	70.5	21.31	71.8	21.48
	40	41.0	11.09	46.3	13.05	51.6	15.22	56.9	17.60	62.4	20.24	66.0	22.05	68.6	22.39	70.0	22.56
	43	41.0	12.21	46.3	14.40	51.6	16.81	56.9	19.48	62.4	22.43	64.3	23.13	66.8	23.47	68.2	23.65
	46	41.0	13.43	46.3	15.87	51.6	18.57	56.9	21.56	61.2	24.04	62.4	24.22	65.0	24.56	66.3	24.74
56.2 (90%)	10	36.8	5.64	41.6	6.26	46.5	6.88	51.3	7.50	56.1	8.13	60.8	8.76	70.5	10.00	75.3	10.62
	15	36.8	5.64	41.6	6.26	46.5	6.88	51.3	7.50	56.1	8.13	60.8	8.82	70.5	10.94	75.3	12.11
	21	36.8	5.75	41.6	6.52	46.5	7.44	51.3	8.45	56.1	9.52	60.8	10.67	70.5	13.24	75.3	14.66
	23	36.8	6.00	41.6	6.92	46.5	7.91	51.3	8.98	56.1	10.12	60.8	11.35	70.5	14.08	75.3	15.60
	25	36.8	6.36	41.6	7.34	46.5	8.40	51.3	9.54	56.1	10.75	60.8	12.06	70.5	14.98	75.3	16.60
	27	36.8	6.74	41.6	7.78	46.5	8.90	51.3	10.11	56.1	11.41	60.8	12.80	70.5	15.92	75.3	17.66
	30	36.8	7.33	41.6	8.48	46.5	9.71	51.3	11.04	56.1	12.47	60.8	14.01	70.5	17.43	73.9	18.70
	33	36.8	7.98	41.6	9.24	46.5	10.59	51.3	12.05	56.1	13.62	60.8	15.33	70.5	19.40	72.2	19.78
	35	36.8	8.44	41.6	9.77	46.5	11.21	51.3	12.76	56.1	14.51	60.8	16.43	69.7	20.34	71.0	20.51
	37	36.8	8.91	41.6	10.34	46.5	11.88	51.3	13.63	56.1	15.53	60.8	17.60	68.6	21.06	69.9	21.23
	40	36.8	9.69	41.6	11.33	46.5	13.11	51.3	15.06	56.1	17.18	60.8	19.50	66.9	22.15	68.2	22.32
	43	36.8	10.66	41.6	12.49	46.5	14.47	51.3	16.63	56.1	19.00	60.8	21.60	65.1	23.24	66.3	23.41
	46	36.8	11.72	41.6	13.74	46.5	15.95	51.3	18.37	56.1	21.02	60.8	23.95	63.4	24.34	64.6	24.50
49.9 (80%)	10	32.7	5.11	37.0	5.66	41.3	6.22	45.5	6.77	49.9	7.32	54.1	7.87	62.7	8.98	66.9	9.53
	15	32.7	5.11	37.0	5.66	41.3	6.22	45.5	6.77	49.9	7.32	54.1	7.87	62.7	9.19	66.9	10.11
	21	32.7	5.21	37.0	5.78	41.3	6.45	45.5	7.26	49.9	8.14	54.1	9.07	62.7	11.11	66.9	12.24
	23	32.7	5.41	37.0	6.03	41.3	6.85	45.5	7.72	49.9	8.65	54.1	9.64	62.7	11.82	66.9	13.02
	25	32.7	5.60	37.0	6.39	41.3	7.26	45.5	8.19	49.9	9.18	54.1	10.23	62.7	12.57	66.9	13.84
	27	32.7	5.90	37.0	6.77	41.3	7.70	45.5	8.69	49.9	9.74	54.1	10.87	62.7	13.35	66.9	14.71
	30	32.7	6.42	37.0	7.37	41.3	8.39	45.5	9.48	49.9	10.64	54.1	11.87	62.7	14.60	66.9	16.10
	33	32.7	6.96	37.0	8.01	41.3	9.13	45.5	10.33	49.9	11.60	54.1	12.96	62.7	16.03	66.9	17.80
	35	32.7	7.36	37.0	8.47	41.3	9.66	45.5	10.93	49.9	12.29	54.1	13.77	62.7	17.17	66.9	19.09
	37	32.7	7.77	37.0	8.95	41.3	10.22	45.5	11.57	49.9	13.09	54.1	14.72	62.7	18.41	66.9	20.47
	40	32.7	8.42	37.0	9.75	41.3	11.20	45.5	12.77	49.9	14.46	54.1	16.28	62.7	20.40	66.0	22.03
	43	32.7	9.23	37.0	10.72	41.3	12.34	45.5	14.08	49.9	15.97	54.1	18.00	62.7	22.62	64.3	23.13
	46	32.7	10.13	37.0	11.78	41.3	13.58	45.5	15.52	49.9	17.62	54.1	19.90	61.4	24.06	62.6	24.22
43.7 (70%)	10	28.7	4.58	32.4	5.07	36.1	5.55	39.9	6.03	43.6	6.51	47.3	7.00	54.8	7.96	58.5	8.45
	15	28.7	4.58	32.4	5.07	36.1	5.55	39.9	6.03	43.6	6.51	47.3	7.00	54.8	7.96	58.5	8.45
	21	28.7	4.67	32.4	5.16	36.1	5.66	39.9	6.18	43.6	6.88	47.3	7.62	54.8	9.23	58.5	10.10
	23	28.7	4.83	32.4	5.35	36.1	5.87	39.9	6.57	43.6	7.31	47.3	8.09	54.8	9.81	58.5	10.74
	25	28.7	5.01	32.4	5.55	36.1	6.21	39.9	6.96	43.6	7.75	47.3	8.59	54.8	10.41	58.5	11.40
	27	28.7	5.19	32.4	5.83	36.1	6.58	39.9	7.38	43.6	8.22	47.3	9.11	54.8	11.06	58.5	12.11
	30	28.7	5.56	32.4	6.34	36.1	7.17	39.9	8.04	43.6	8.97	47.3	9.95	54.8	12.08	58.5	13.24
	33	28.7	6.02	32.4	6.87	36.1	7.79	39.9	8.75	43.6	9.77	47.3	10.85	54.8	13.19	58.5	14.46
	35	28.7	6.35	32.4	7.27	36.1	8.23	39.9	9.25	43.6	10.34	47.3	11.48	54.8	14.02	58.5	15.47
	37	28.7	6.70	32.4	7.67	36.1	8.70	39.9	9.78	43.6	10.93	47.3	12.18	54.8	15.00	58.5	16.56
	40	28.7	7.25	32.4	8.32	36.1	9.45	39.9	10.70	43.6	12.03	47.3	13.45	54.8	16.60	58.5	18.34
	43	28.7	7.89	32.4	9.10	36.1	10.40	39.9	11.78	43.6	13.26	47.3	14.83	54.8	18.35	58.5	20.30
	46	28.7	8.65	32.4	9.98	36.1	11.42	39.9	12.96	43.6	14.60	47.3	16.36	54.8	20.29	58.5	22.49
37.4 (60%)	10	24.5	4.05	27.7	4.46	30.9	4.88	34.1	5.29	37.4	5.70	40.5	6.12	46.9	6.94	50.2	7.37
	15	24.5	4.05	27.7	4.46	30.9	4.88	34.1	5.29	37.4	5.70	40.5	6.12	46.9	6.94	50.2	7.37
	21	24.5	4.12	27.7	4.55	30.9	4.97	34.1	5.39	37.4	5.82	40.5	6.31	46.9	7.54	50.2	8.21
	23	24.5	4.27	27.7	4.71	30.9	5.16	34.1	5.60	37.4	6.09	40.5	6.70	46.9	8.02	50.2	8.72
	25	24.5	4.42	27.7	4.88	30.9	5.35	34.1	5.84	37.4	6.45	40.5	7.11	46.9	8.50	50.2	9.26
	27	24.5	4.58	27.7	5.05	30.9	5.55	34.1	6.18	37.4	6.83	40.5	7.53	46.9	9.02	50.2	9.83
	30	24.5	4.82	27.7	5.37	30.9	6.03	34.1	6.72	37.4	7.45	40.5	8.20	46.9	9.84	50.2	10.73
	33	24.5	5.13	27.7	5.82	30.9	6.55	34.1	7.30	37.4	8.10	40.5	8.93	46.9	10.73	50.2	11.70
	35	24.5	5.41	27.7	6.14	30.9	6.90	34.1	7.71	37.4	8.56	40.5	9.44	46.9	11.36	50.2	12.39
	37	24.5	5.69	27.7	6.47	30.9	7.29	34.1	8.14	37.4	9.04	40.5	9.99	46.9	12.05	50.2	13.21
	40	24.5	6.16	27.7	7.00	30.9	7.90	34.1	8.84	37.4	9.85	40.5	10.94	46.9	13.30	50.2	14.59
	43	24.5	6.65	27.7	7.61	30.9	8.63	34.1	9.70	37.4	10.84	40.5	12.05	46.9	14.67	50.2	16.11
	46	24.5	7.27	27.7	8.33	30.9	9.46	34.1	10.65	37.4	11.91	40.5	13.25	46.9	16.18	50.2	17.79
31.2 (50%)	10	20.4	3.52	23.1	3.86	25.7	4.21	28.4	4.55	31.2	4.90	33.8	5.24	39.1	5.94	41.8	6.28
	15	20.4	3.52	23.1	3.86	25.7	4.21	28.4	4.55	31.2	4.90	33.8	5.24	39.1	5.94	41.8	6.28
	21	20.4	3.58	23.1	3.93	25.7	4.28	28.4	4.64	31.2	4.99	33.8	5.35	39.1	6.05	41.8	6.54
	23	20.4	3.70	23.1	4.07	25.7	4.43	28.4	4.80	31.2	5.17	33.8	5.54	39.1	6.42	41.8	6.94
	25	20.4	3.83	23.1	4.21	25.7	4.60	28.4	4.98	31.2	5.36	33.8	5.77	39.1	6.80	41.8	7.36
	27	20.4	3.96	23.1	4.36	25.7	4.76	28.4	5.16	31.2	5.58	33.8	6.10	39.1	7.22	41.8	7.81
	30	20.4	4.15	23.1	4.58	25.7	5.01	28.4	5.51	31.2	6.06	33.8	6.64	39.1	7.86	41.8	8.51
	33	20.4	4.36	23.1	4.83	25.7	5.39	28.4	5.97	31.2	6.58	33.8	7.21	39.1	8.56	41.8	9.27
	35	20.4	4.52	23.1	5.09	25.7	5.69	28.4	6.30	31.2	6.95	33.8	7.61	39.1	9.04	41.8	9.80
	37	20.4	4.76	23.1	5.36	25.7	5.99	28.4	6.65	31.2	7.33	33.8	8.04	39.1	9.56	41.8	10.37
	40	20.4	5.13	23.1	5.79	25.7	6.47	28.4	7.20	31.2	7.95	33.8	8.73	39.1	10.44	41.8	11.37
	43	20.4	5.53	23.1	6.25	25.7	7.02	28.4	7.83	31.2	8.68	33.8	9.57	39.1	11.49	41.8	12.52
	46	20.4	6.00	23.1	6.81	25.7	7.67	28.4	8.58	31.2	9.52	33.8	10.51	39.1	12.64	41.8	13.78

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳216LALHH

● Capacity : 67.2 kW (24HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100.8 (150%)	10	66.3	8.58	74.7	9.60	83.4	10.59	92.1	12.33	96.6	13.23	98.7	13.35	102.3	13.59	104.1	13.71
	15	66.3	8.76	74.7	10.47	83.4	12.39	91.5	14.37	93.3	14.52	95.1	14.64	98.7	14.88	100.5	15.00
	21	66.3	10.56	74.7	12.63	83.4	14.97	87.6	15.90	89.4	16.05	90.9	16.17	94.5	16.44	96.3	16.56
	23	66.3	11.22	74.7	13.44	83.4	15.90	86.1	16.41	87.9	16.56	89.7	16.68	93.0	16.95	94.8	17.10
	25	66.3	11.91	74.7	14.28	83.1	16.80	84.9	16.92	86.4	17.07	88.2	17.19	91.5	17.46	93.3	17.61
	27	66.3	12.66	74.7	15.15	81.9	17.31	83.4	17.43	85.2	17.58	86.7	17.73	90.0	18.03	91.8	18.21
	30	66.3	13.83	74.7	16.59	79.8	18.18	81.3	18.36	83.1	18.51	84.6	18.69	87.9	19.05	89.4	19.23
	33	66.3	15.12	74.7	18.39	77.7	19.20	79.2	19.35	81.0	19.53	82.5	19.71	85.8	20.07	87.3	20.25
	35	66.3	16.20	74.7	19.68	76.2	19.86	78.0	20.04	79.5	20.22	81.0	20.40	84.3	20.76	85.8	20.91
	37	66.3	17.34	73.5	20.37	75.0	20.55	76.5	20.73	78.0	20.91	79.5	21.09	82.8	21.42	84.3	21.60
	40	66.3	19.20	71.4	21.39	72.9	21.57	74.4	21.75	75.9	21.93	77.4	22.11	80.7	22.44	82.2	22.62
	43	66.3	21.24	69.3	22.38	70.8	22.59	72.3	22.77	73.8	22.95	75.3	23.13	78.3	23.46	79.8	23.64
	46	65.7	23.22	67.2	23.40	68.7	23.61	70.2	23.79	71.7	23.97	73.2	24.15	76.2	24.51	77.7	24.66
94.1 (140%)	10	61.8	8.07	69.9	9.00	77.7	9.93	85.8	11.01	93.9	12.78	97.2	13.26	100.8	13.50	102.6	13.59
	15	61.8	8.07	69.9	9.45	77.7	11.13	85.8	12.99	92.1	14.40	93.9	14.52	97.2	14.76	99.0	14.91
	21	61.8	9.60	69.9	11.40	77.7	13.41	85.8	15.66	87.9	15.93	89.7	16.08	93.0	16.32	94.8	16.47
	23	61.8	10.20	69.9	12.12	77.7	14.28	84.9	16.32	86.7	16.47	88.2	16.59	91.8	16.86	93.3	16.98
	25	61.8	10.83	69.9	12.87	77.7	15.18	83.7	16.83	85.2	16.98	87.0	17.10	90.3	17.37	91.8	17.52
	27	61.8	11.49	69.9	13.65	77.7	16.11	82.2	17.34	84.0	17.49	85.5	17.61	88.8	17.91	90.3	18.06
	30	61.8	12.54	69.9	14.94	77.7	17.70	80.4	18.24	81.9	18.39	83.4	18.57	86.7	18.93	88.2	19.08
	33	61.8	13.68	69.9	16.44	76.8	19.08	78.3	19.26	79.8	19.41	81.3	19.59	84.6	19.95	86.1	20.13
	35	61.8	14.58	69.9	17.61	75.3	19.74	76.8	19.92	78.3	20.10	80.1	20.28	83.1	20.64	84.6	20.79
	37	61.8	15.60	69.9	18.87	74.1	20.43	75.6	20.61	77.1	20.79	78.6	20.97	81.6	21.30	83.4	21.48
	40	61.8	17.25	69.9	20.88	72.0	21.45	73.5	21.63	75.0	21.81	76.5	21.99	79.5	22.35	81.0	22.50
	43	61.8	19.05	68.4	22.29	69.9	22.47	71.4	22.65	72.9	22.83	74.4	23.01	77.4	23.37	78.9	23.52
	46	61.8	21.06	66.3	23.31	67.8	23.49	69.3	23.67	70.8	23.85	72.3	24.03	75.3	24.39	76.8	24.57
87.4 (130%)	10	57.3	7.56	64.8	8.43	72.3	9.30	79.8	10.17	87.3	11.28	94.8	12.96	99.0	13.38	100.8	13.50
	15	57.3	7.56	64.8	8.49	72.3	9.93	79.8	11.55	87.3	13.29	92.1	14.43	95.7	14.67	97.5	14.79
	21	57.3	8.67	64.8	10.26	72.3	12.00	79.8	13.92	86.7	15.84	88.2	15.96	91.5	16.23	93.3	16.35
	23	57.3	9.21	64.8	10.89	72.3	12.75	79.8	14.82	85.2	16.35	87.0	16.47	90.3	16.74	91.8	16.86
	25	57.3	9.78	64.8	11.58	72.3	13.56	79.8	15.75	84.0	16.86	85.5	16.98	88.8	17.25	90.6	17.40
	27	57.3	10.38	64.8	12.27	72.3	14.40	79.8	16.74	82.5	17.37	84.3	17.52	87.3	17.79	89.1	17.91
	30	57.3	11.31	64.8	13.41	72.3	15.75	79.2	18.09	80.7	18.27	82.2	18.45	85.5	18.78	87.0	18.96
	33	57.3	12.33	64.8	14.64	72.3	17.37	77.1	19.11	78.6	19.29	80.1	19.47	83.4	19.80	84.9	19.98
	35	57.3	13.08	64.8	15.69	72.3	18.63	75.9	19.80	77.4	19.98	78.9	20.16	81.9	20.49	83.4	20.67
	37	57.3	13.98	64.8	16.77	72.3	19.95	74.4	20.49	75.9	20.67	77.4	20.82	80.4	21.18	81.9	21.36
	40	57.3	15.45	64.8	18.57	71.1	21.33	72.3	21.51	73.8	21.69	75.3	21.87	78.3	22.20	79.8	22.38
	43	57.3	17.04	64.8	20.52	69.0	22.35	70.5	22.53	72.0	22.71	73.2	22.89	76.2	23.22	77.7	23.40
	46	57.3	18.81	64.8	22.71	66.9	23.37	68.4	23.55	69.9	23.73	71.1	23.91	74.1	24.27	75.6	24.42
80.6 (120%)	10	52.8	7.05	59.7	7.86	66.6	8.64	73.5	9.45	80.4	10.26	87.3	11.34	96.9	13.26	98.7	13.38
	15	52.8	7.05	59.7	7.86	66.6	8.85	73.5	10.20	80.4	11.70	87.3	13.35	93.9	14.55	95.7	14.67
	21	52.8	7.80	59.7	9.18	66.6	10.68	73.5	12.33	80.4	14.13	86.7	15.84	90.0	16.08	91.5	16.20
	23	52.8	8.31	59.7	9.75	66.6	11.34	73.5	13.11	80.4	15.03	85.2	16.35	88.5	16.62	90.3	16.74
	25	52.8	8.79	59.7	10.35	66.6	12.06	73.5	13.92	80.4	15.99	84.0	16.86	87.3	17.13	88.8	17.25
	27	52.8	9.33	59.7	10.98	66.6	12.78	73.5	14.79	80.4	16.98	82.8	17.40	85.8	17.64	87.6	17.79
	30	52.8	10.17	59.7	12.00	66.6	13.98	73.5	16.17	79.2	18.12	80.7	18.27	84.0	18.63	85.5	18.78
	33	52.8	11.10	59.7	13.08	66.6	15.30	73.5	17.91	77.4	19.14	78.9	19.32	81.9	19.65	83.4	19.83
	35	52.8	11.73	59.7	13.92	66.6	16.41	73.5	19.20	75.9	19.83	77.4	20.01	80.4	20.34	81.9	20.49
	37	52.8	12.48	59.7	14.88	66.6	17.55	73.2	20.34	74.7	20.52	76.2	20.67	79.2	21.03	80.7	21.18
	40	52.8	13.77	59.7	16.44	66.6	19.41	71.4	21.36	72.6	21.54	74.1	21.72	77.1	22.05	78.6	22.23
	43	52.8	15.18	59.7	18.15	66.6	21.48	69.3	22.38	70.8	22.56	72.0	22.74	75.0	23.10	76.5	23.25
	46	52.8	16.74	59.7	20.04	66.0	23.25	67.2	23.43	68.7	23.61	70.2	23.76	72.9	24.12	74.4	24.30
73.9 (110%)	10	48.6	6.54	54.9	7.26	61.2	8.01	67.5	8.73	73.8	9.48	80.1	10.20	92.7	12.51	96.6	13.23
	15	48.6	6.54	54.9	7.26	61.2	8.01	67.5	9.00	73.8	10.26	80.1	11.61	91.8	14.40	93.3	14.52
	21	48.6	6.99	54.9	8.16	61.2	9.45	67.5	10.86	73.8	12.36	80.1	14.01	87.9	15.93	89.7	16.08
	23	48.6	7.44	54.9	8.67	61.2	10.05	67.5	11.52	73.8	13.14	80.1	14.91	86.7	16.47	88.2	16.59
	25	48.6	7.89	54.9	9.21	61.2	10.65	67.5	12.24	73.8	13.98	80.1	15.84	85.5	16.98	87.0	17.10
	27	48.6	8.34	54.9	9.78	61.2	11.31	67.5	12.99	73.8	14.85	80.1	16.83	84.0	17.49	85.8	17.64
	30	48.6	9.09	54.9	10.65	61.2	12.36	67.5	14.22	73.8	16.23	79.2	18.12	82.2	18.45	83.7	18.60
	33	48.6	9.90	54.9	11.61	61.2	13.47	67.5	15.57	73.8	17.97	77.4	19.14	80.1	19.47	81.6	19.65
	35	48.6	10.50	54.9	12.30	61.2	14.37	67.5	16.68	73.8	19.26	75.9	19.83	78.9	20.16	80.4	20.34
	37	48.6	11.10	54.9	13.11	61.2	15.36	67.5	17.85	73.2	20.34	74.7	20.52	77.7	20.85	79.2	21.03
	40	48.6	12.21	54.9	14.49	61.2	16.98	67.5	19.77	71.4	21.36	72.9	21.54	75.6	21.87	77.1	22.05
	43	48.6	13.47	54.9	15.96	61.2	18.75	67.5	21.87	69.3	22.41	70.8	22.59	73.5	22.92	75.0	23.10
	46	48.6	14.82	54.9	17.61	61.2	20.73	66.0	23.25	67.5	23.43	68.7	23.61	71.7	23.97	72.9	24.12

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳216LALHH

● Capacity : 67.2 kW (24HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
67.2 (100%)	10	44.1	6.00	49.8	6.69	55.5	7.35	61.2	8.01	67.2	8.70	72.9	9.36	84.3	10.68	90.0	11.91
	15	44.1	6.00	49.8	6.69	55.5	7.35	61.2	8.01	67.2	8.91	72.9	10.05	84.3	12.60	90.0	14.01
	21	44.1	6.24	49.8	7.23	55.5	8.31	61.2	9.48	67.2	10.77	72.9	12.12	84.3	15.21	87.3	15.90
	23	44.1	6.63	49.8	7.68	55.5	8.85	61.2	10.08	67.2	11.43	72.9	12.90	84.3	16.17	86.1	16.41
	25	44.1	7.02	49.8	8.16	55.5	9.39	61.2	10.71	67.2	12.15	72.9	13.68	83.4	16.83	84.9	16.95
	27	44.1	7.44	49.8	8.64	55.5	9.93	61.2	11.37	67.2	12.90	72.9	14.55	82.2	17.34	83.7	17.46
	30	44.1	8.10	49.8	9.42	55.5	10.86	61.2	12.39	67.2	14.07	72.9	15.90	80.4	18.24	81.6	18.39
	33	44.1	8.82	49.8	10.26	55.5	11.82	61.2	13.53	67.2	15.45	72.9	17.58	78.3	19.26	79.8	19.44
	35	44.1	9.30	49.8	10.86	55.5	12.54	61.2	14.43	67.2	16.53	72.9	18.84	77.1	19.95	78.6	20.13
	37	44.1	9.84	49.8	11.49	55.5	13.38	61.2	15.42	67.2	17.70	72.9	20.19	75.9	20.64	77.4	20.82
	40	44.1	10.77	49.8	12.66	55.5	14.76	61.2	17.04	67.2	19.59	71.1	21.36	73.8	21.69	75.3	21.84
	43	44.1	11.85	49.8	13.95	55.5	16.29	61.2	18.84	67.2	21.66	69.3	22.38	72.0	22.71	73.5	22.89
	46	44.1	13.02	49.8	15.36	55.5	17.97	61.2	20.82	66.0	23.25	67.2	23.43	69.9	23.76	71.4	23.94
60.5 (90%)	10	39.6	5.49	44.7	6.09	50.1	6.69	55.2	7.29	60.3	7.92	65.4	8.52	75.9	9.72	81.0	10.32
	15	39.6	5.49	44.7	6.09	50.1	6.69	55.2	7.29	60.3	7.92	65.4	8.61	75.9	10.68	81.0	11.82
	21	39.6	5.61	44.7	6.36	50.1	7.26	55.2	8.25	60.3	9.27	65.4	10.41	75.9	12.90	81.0	14.28
	23	39.6	5.85	44.7	6.75	50.1	7.71	55.2	8.76	60.3	9.87	65.4	11.07	75.9	13.71	81.0	15.18
	25	39.6	6.21	44.7	7.17	50.1	8.19	55.2	9.30	60.3	10.47	65.4	11.73	75.9	14.58	81.0	16.14
	27	39.6	6.57	44.7	7.59	50.1	8.67	55.2	9.84	60.3	11.10	65.4	12.45	75.9	15.48	81.0	17.16
	30	39.6	7.14	44.7	8.25	50.1	9.45	55.2	10.74	60.3	12.12	65.4	13.62	75.9	16.92	79.5	18.15
	33	39.6	7.77	44.7	9.00	50.1	10.29	55.2	11.70	60.3	13.23	65.4	14.88	75.9	18.81	77.7	19.17
	35	39.6	8.22	44.7	9.51	50.1	10.89	55.2	12.39	60.3	14.10	65.4	15.93	75.0	19.71	76.5	19.89
	37	39.6	8.67	44.7	10.05	50.1	11.55	55.2	13.23	60.3	15.06	65.4	17.07	73.8	20.40	75.3	20.58
	40	39.6	9.42	44.7	11.01	50.1	12.72	55.2	14.61	60.3	16.65	65.4	18.87	72.0	21.45	73.5	21.60
	43	39.6	10.35	44.7	12.12	50.1	14.04	55.2	16.11	60.3	18.39	65.4	20.88	70.2	22.50	71.4	22.65
	46	39.6	11.37	44.7	13.32	50.1	15.45	55.2	17.76	60.3	20.31	65.4	23.10	68.4	23.55	69.6	23.70
53.8 (80%)	10	35.1	4.98	39.9	5.52	44.4	6.06	48.9	6.60	53.7	7.11	58.2	7.65	67.5	8.73	72.0	9.27
	15	35.1	4.98	39.9	5.52	44.4	6.06	48.9	6.60	53.7	7.11	58.2	7.65	67.5	8.97	72.0	9.87
	21	35.1	5.07	39.9	5.64	44.4	6.30	48.9	7.08	53.7	7.95	58.2	8.85	67.5	10.83	72.0	11.94
	23	35.1	5.28	39.9	5.88	44.4	6.69	48.9	7.53	53.7	8.43	58.2	9.39	67.5	11.52	72.0	12.69
	25	35.1	5.46	39.9	6.24	44.4	7.08	48.9	7.98	53.7	8.94	58.2	9.96	67.5	12.24	72.0	13.47
	27	35.1	5.76	39.9	6.60	44.4	7.50	48.9	8.46	53.7	9.48	58.2	10.59	67.5	12.99	72.0	14.31
	30	35.1	6.27	39.9	7.17	44.4	8.16	48.9	9.24	53.7	10.35	58.2	11.55	67.5	14.19	72.0	15.63
	33	35.1	6.78	39.9	7.80	44.4	8.88	48.9	10.05	53.7	11.28	58.2	12.60	67.5	15.57	72.0	17.28
	35	35.1	7.17	39.9	8.25	44.4	9.39	48.9	10.62	53.7	11.94	58.2	13.38	67.5	16.65	72.0	18.51
	37	35.1	7.56	39.9	8.70	44.4	9.93	48.9	11.25	53.7	12.72	58.2	14.28	67.5	17.85	72.0	19.83
	40	35.1	8.19	39.9	9.48	44.4	10.89	48.9	12.39	53.7	14.04	58.2	15.78	67.5	19.74	71.1	21.33
	43	35.1	8.97	39.9	10.41	44.4	11.97	48.9	13.65	53.7	15.48	58.2	17.43	67.5	21.84	69.3	22.38
	46	35.1	9.84	39.9	11.43	44.4	13.17	48.9	15.03	53.7	17.04	58.2	19.23	66.3	23.28	67.5	23.43
47.0 (70%)	10	30.9	4.47	34.8	4.95	38.7	5.40	42.9	5.88	46.8	6.33	51.0	6.81	59.1	7.74	63.0	8.22
	15	30.9	4.47	34.8	4.95	38.7	5.40	42.9	5.88	46.8	6.33	51.0	6.81	59.1	7.74	63.0	8.22
	21	30.9	4.56	34.8	5.04	38.7	5.52	42.9	6.03	46.8	6.72	51.0	7.44	59.1	9.00	63.0	9.84
	23	30.9	4.71	34.8	5.22	38.7	5.73	42.9	6.42	46.8	7.14	51.0	7.89	59.1	9.57	63.0	10.47
	25	30.9	4.89	34.8	5.40	38.7	6.06	42.9	6.78	46.8	7.56	51.0	8.37	59.1	10.14	63.0	11.10
	27	30.9	5.07	34.8	5.70	38.7	6.42	42.9	7.20	46.8	8.01	51.0	8.88	59.1	10.77	63.0	11.79
	30	30.9	5.43	34.8	6.18	38.7	6.99	42.9	7.83	46.8	8.73	51.0	9.69	59.1	11.76	63.0	12.87
	33	30.9	5.88	34.8	6.69	38.7	7.59	42.9	8.52	46.8	9.51	51.0	10.56	59.1	12.81	63.0	14.04
	35	30.9	6.18	34.8	7.08	38.7	8.01	42.9	9.00	46.8	10.05	51.0	11.16	59.1	13.62	63.0	15.03
	37	30.9	6.54	34.8	7.47	38.7	8.46	42.9	9.51	46.8	10.62	51.0	11.82	59.1	14.55	63.0	16.05
	40	30.9	7.05	34.8	8.10	38.7	9.18	42.9	10.41	46.8	11.67	51.0	13.05	59.1	16.08	63.0	17.76
	43	30.9	7.68	34.8	8.85	38.7	10.11	42.9	11.43	46.8	12.87	51.0	14.37	59.1	17.76	63.0	19.62
	46	30.9	8.40	34.8	9.69	38.7	11.07	42.9	12.57	46.8	14.16	51.0	15.84	59.1	19.62	63.0	21.72
40.3 (60%)	10	26.4	3.96	29.7	4.35	33.3	4.77	36.6	5.16	40.2	5.55	43.5	5.97	50.4	6.75	54.0	7.17
	15	26.4	3.96	29.7	4.35	33.3	4.77	36.6	5.16	40.2	5.55	43.5	5.97	50.4	6.75	54.0	7.17
	21	26.4	4.02	29.7	4.44	33.3	4.86	36.6	5.25	40.2	5.67	43.5	6.15	50.4	7.35	54.0	8.01
	23	26.4	4.17	29.7	4.59	33.3	5.04	36.6	5.46	40.2	5.94	43.5	6.54	50.4	7.83	54.0	8.49
	25	26.4	4.32	29.7	4.77	33.3	5.22	36.6	5.70	40.2	6.30	43.5	6.93	50.4	8.28	54.0	9.03
	27	26.4	4.47	29.7	4.92	33.3	5.43	36.6	6.03	40.2	6.66	43.5	7.35	50.4	8.79	54.0	9.57
	30	26.4	4.71	29.7	5.25	33.3	5.88	36.6	6.54	40.2	7.26	43.5	7.98	50.4	9.57	54.0	10.44
	33	26.4	5.01	29.7	5.67	33.3	6.39	36.6	7.11	40.2	7.89	43.5	8.70	50.4	10.44	54.0	11.37
	35	26.4	5.28	29.7	6.00	33.3	6.72	36.6	7.50	40.2	8.34	43.5	9.18	50.4	11.04	54.0	12.03
	37	26.4	5.55	29.7	6.30	33.3	7.11	36.6	7.92	40.2	8.79	43.5	9.72	50.4	11.70	54.0	12.84
	40	26.4	6.00	29.7	6.81	33.3	7.68	36.6	8.61	40.2	9.57	43.5	10.62	50.4	12.90	54.0	14.16
	43	26.4	6.48	29.7	7.41	33.3	8.40	36.6	9.42	40.2	10.53	43.5	11.70	50.4	14.22	54.0	15.60
	46	26.4	7.08	29.7	8.10	33.3	9.18	36.6	10.35	40.2	11.55	43.5	12.84	50.4	15.66	54.0	17.22
33.6 (50%)	10	21.9	3.45	24.9	3.78	27.6	4.11	30.6	4.44	33.6	4.77	36.3	5.10	42.0	5.79	45.0	6.12
	15	21.9	3.45	24.9	3.78	27.6	4.11	30.6	4.44	33.6	4.77	36.3	5.10	42.0	5.79	45.0	6.12
	21	21.9	3.51	24.9	3.84	27.6	4.17	30.6	4.53	33.6	4.86	36.3	5.22	42.0	5.91	45.0	6.39
	23	21.9	3.63	24.9	3.99	27.6	4.32	30.6	4.68	33.6	5.04	36.3	5.40	42.0	6.27	45.0	6.78
	25	21.9	3.75	24.9	4.11	27.6	4.50	30.6	4.86	33.6	5.22	36.3	5.64	42.0	6.63	45.0	7.17
	27	21.9	3.87	24.9	4.26	27.6	4.65	30.6	5.04	33.6	5.46	36.3	5.94	42.0	7.05	45.0	7.62
	30	21.9	4.05	24.9	4.47	27.6	4.89	30.6	5.37	33.6	5.91	36.3	6.48	42.0	7.65	45.0	8.28
	33	21.9	4.26	24.9	4.71	27.6	5.25	30.6	5.82	33.6	6.42	36.3	7.02	42.0	8.34	45.0	9.03
	35	21.9	4.41	24.9	4.98	27.6	5.55	30.6	6.15	33.6	6.78	36.3	7.41	42.0	8.79	45.0	9.54
	37	21.9	4.65	24.9	5.22	27.6	5.85	30.6	6.48	33.6	7.14	36.3	7.83	42.0	9.30	45.0	10.08
	40	21.9	5.01	24.9	5.64	27.6	6.30	30.6	7.02	33.6	7.74	36.3	8.49	42.0	10.14	45.0	11.04
	43	21.9	5.40	24.9	6.09	27.6	6.84	30.6	7.62	33.6	8.43	36.3	9.30	42.0	11.16	45.0	12.15
	46	21.9	5.85	24.9	6.63	27.6	7.47	30.6	8.34	33.6	9.24	36.3	10.20	42.0	12.27	45.0	13.35

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳234LALHH

● Capacity : 72.8 kW (26HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
109.2 (150%)	10	71.8	9.68	81.0	10.83	90.4	11.97	99.8	13.91	104.8	14.95	107.0	15.09	110.9	15.36	112.9	15.49
	15	71.8	9.85	81.0	11.80	90.4	13.98	99.2	16.27	101.2	16.42	103.1	16.56	107.0	16.84	109.0	16.97
	21	71.8	11.91	81.0	14.27	90.4	16.93	94.9	18.02	96.8	18.18	98.6	18.32	102.4	18.62	104.3	18.76
	23	71.8	12.67	81.0	15.19	90.4	18.01	93.3	18.60	95.3	18.77	97.2	18.91	100.8	19.21	102.7	19.38
	25	71.8	13.46	81.0	16.15	90.1	19.05	92.0	19.19	93.7	19.35	95.6	19.50	99.2	19.80	101.1	19.97
	27	71.8	14.31	81.0	17.16	88.7	19.63	90.4	19.78	92.3	19.94	94.0	20.11	97.5	20.45	99.4	20.65
	30	71.8	15.65	81.0	18.80	86.4	20.62	88.1	20.83	90.0	21.01	91.7	21.21	95.2	21.62	96.9	21.82
	33	71.8	17.14	81.0	20.87	84.2	21.79	85.8	21.98	87.7	22.18	89.4	22.38	92.9	22.79	94.6	22.99
	35	71.8	18.37	81.0	22.35	82.6	22.56	84.5	22.76	86.1	22.97	87.8	23.17	91.3	23.57	93.0	23.76
	37	71.8	19.68	79.6	23.14	81.2	23.34	82.9	23.55	84.5	23.75	86.2	23.96	89.7	24.34	91.4	24.54
	40	71.8	21.81	77.3	24.31	79.0	24.51	80.6	24.72	82.2	24.92	83.9	25.13	87.4	25.51	89.0	25.72
	43	71.8	24.16	75.1	25.46	76.7	25.68	78.3	25.89	79.9	26.09	81.6	26.30	84.8	26.69	86.5	26.89
	46	71.2	26.42	72.8	26.63	74.4	26.85	76.0	27.06	77.6	27.27	79.2	27.47	82.5	27.88	84.1	28.06
101.9 (140%)	10	66.9	9.09	75.7	10.16	84.2	11.22	93.0	12.41	101.7	14.42	105.3	14.99	109.3	15.25	111.2	15.36
	15	66.9	9.09	75.7	10.64	84.2	12.55	93.0	14.66	99.8	16.30	101.7	16.44	105.4	16.71	107.4	16.87
	21	66.9	10.81	75.7	12.87	84.2	15.17	93.0	17.73	95.3	18.06	97.2	18.22	100.9	18.50	102.8	18.66
	23	66.9	11.50	75.7	13.69	84.2	16.15	92.0	18.50	93.9	18.66	95.6	18.80	99.5	19.11	101.2	19.25
	25	66.9	12.22	75.7	14.55	84.2	17.18	90.7	19.09	92.4	19.25	94.3	19.39	97.8	19.70	99.5	19.86
	27	66.9	12.97	75.7	15.45	84.2	18.25	89.1	19.67	91.0	19.83	92.7	19.98	96.2	20.31	97.9	20.49
	30	66.9	14.18	75.7	16.92	84.2	20.07	87.1	20.69	88.7	20.87	90.4	21.07	93.9	21.48	95.6	21.66
	33	66.9	15.49	75.7	18.64	83.2	21.66	84.8	21.86	86.5	22.04	88.1	22.25	91.7	22.65	93.3	22.85
	35	66.9	16.52	75.7	19.99	81.6	22.43	83.2	22.63	84.9	22.83	86.7	23.03	90.1	23.44	91.7	23.62
	37	66.9	17.69	75.7	21.43	80.2	23.21	81.9	23.42	83.5	23.62	85.2	23.82	88.4	24.21	90.3	24.41
	40	66.9	19.58	75.7	23.75	78.0	24.38	79.6	24.59	81.2	24.79	82.9	24.99	86.1	25.40	87.8	25.58
	43	66.9	21.66	74.1	25.35	75.7	25.55	77.3	25.76	78.9	25.96	80.6	26.17	83.8	26.57	85.4	26.75
	46	66.9	23.97	71.8	26.52	73.4	26.72	75.0	26.93	76.7	27.14	78.3	27.34	81.5	27.75	83.1	27.95
94.6 (130%)	10	62.1	8.51	70.2	9.50	78.3	10.49	86.4	11.49	94.6	12.72	102.7	14.62	107.3	15.12	109.3	15.25
	15	62.1	8.51	70.2	9.55	78.3	11.19	86.4	13.02	94.6	15.02	99.9	16.33	103.7	16.60	105.7	16.73
	21	62.1	9.76	70.2	11.57	78.3	13.55	86.4	15.75	93.9	17.95	95.6	18.08	99.2	18.38	101.1	18.52
	23	62.1	10.38	70.2	12.29	78.3	14.41	86.4	16.77	92.4	18.53	94.3	18.67	97.8	18.97	99.5	19.11
	25	62.1	11.03	70.2	13.07	78.3	15.33	86.4	17.84	91.0	19.12	92.7	19.26	96.3	19.56	98.1	19.72
	27	62.1	11.71	70.2	13.87	78.3	16.30	86.4	18.97	89.5	19.70	91.3	19.87	94.7	20.17	96.5	20.32
	30	62.1	12.78	70.2	15.18	78.3	17.84	85.8	20.53	87.4	20.73	89.1	20.93	92.6	21.31	94.3	21.51
	33	62.1	13.95	70.2	16.59	78.3	19.71	83.5	21.70	85.2	21.90	86.8	22.10	90.3	22.48	92.0	22.68
	35	62.1	14.81	70.2	17.79	78.3	21.15	82.2	22.49	83.8	22.69	85.5	22.89	88.7	23.27	90.4	23.47
	37	62.1	15.84	70.2	19.04	78.3	22.67	80.6	23.28	82.2	23.48	83.9	23.66	87.1	24.06	88.8	24.26
	40	62.1	17.52	70.2	21.10	77.0	24.24	78.4	24.45	80.0	24.65	81.6	24.85	84.9	25.24	86.5	25.44
	43	62.1	19.35	70.2	23.35	74.7	25.42	76.3	25.62	77.9	25.82	79.3	26.03	82.6	26.41	84.2	26.61
	46	62.1	21.39	70.2	25.87	72.5	26.59	74.0	26.79	75.6	27.00	77.0	27.20	80.3	27.61	81.9	27.79
87.4 (120%)	10	57.3	7.92	64.7	8.84	72.2	9.75	79.7	10.67	87.2	11.59	94.6	12.77	105.1	14.98	107.1	15.12
	15	57.3	7.92	64.7	8.84	72.2	9.96	79.7	11.50	87.2	13.20	94.6	15.08	101.8	16.46	103.7	16.59
	21	57.3	8.77	64.7	10.34	72.2	12.05	79.7	13.93	87.2	15.98	93.9	17.95	97.5	18.22	99.2	18.36
	23	57.3	9.34	64.7	10.99	72.2	12.81	79.7	14.82	87.2	17.01	92.4	18.53	96.0	18.83	97.8	18.97
	25	57.3	9.90	64.7	11.68	72.2	13.62	79.7	15.75	87.2	18.11	91.1	19.12	94.6	19.42	96.3	19.56
	27	57.3	10.52	64.7	12.40	72.2	14.46	79.7	16.74	87.2	19.25	89.7	19.73	93.0	20.01	94.9	20.17
	30	57.3	11.48	64.7	13.56	72.2	15.83	79.7	18.33	85.8	20.56	87.5	20.74	91.0	21.14	92.6	21.31
	33	57.3	12.54	64.7	14.80	72.2	17.35	79.7	20.32	83.8	21.73	85.5	21.93	88.7	22.31	90.4	22.51
	35	57.3	13.27	64.7	15.76	72.2	18.61	79.7	21.80	82.3	22.52	83.9	22.72	87.2	23.10	88.8	23.28
	37	57.3	14.12	64.7	16.86	72.2	19.92	79.3	23.11	80.9	23.31	82.5	23.49	85.8	23.89	87.4	24.07
	40	57.3	15.60	64.7	18.66	72.2	22.07	77.3	24.28	78.7	24.48	80.3	24.69	83.5	25.07	85.1	25.27
	43	57.3	17.22	64.7	20.62	72.2	24.45	75.0	25.46	76.6	25.66	78.0	25.86	81.2	26.26	82.8	26.44
	46	57.3	19.01	64.7	22.80	71.4	26.45	72.8	26.65	74.4	26.85	76.0	27.04	79.0	27.44	80.6	27.64
80.1 (110%)	10	52.6	7.34	59.5	8.17	66.3	9.02	73.1	9.85	80.0	10.70	86.8	11.52	100.4	14.11	104.7	14.95
	15	52.6	7.34	59.5	8.17	66.3	9.02	73.1	10.12	80.0	11.56	86.8	13.10	99.5	16.29	101.2	16.43
	21	52.6	7.85	59.5	9.18	66.3	10.65	73.1	12.25	80.0	13.97	86.8	15.85	95.3	18.06	97.2	18.21
	23	52.6	8.36	59.5	9.77	66.3	11.33	73.1	13.01	80.0	14.86	86.8	16.88	94.0	18.66	95.6	18.80
	25	52.6	8.87	59.5	10.38	66.3	12.03	73.1	13.84	80.0	15.81	86.8	17.95	92.6	19.25	94.3	19.39
	27	52.6	9.39	59.5	11.03	66.3	12.78	73.1	14.70	80.0	16.81	86.8	19.08	91.1	19.84	92.9	20.00
	30	52.6	10.25	59.5	12.03	66.3	13.97	73.1	16.09	80.0	18.40	85.8	20.56	89.1	20.93	90.7	21.11
	33	52.6	11.18	59.5	13.13	66.3	15.25	73.1	17.65	80.0	20.39	83.8	21.73	86.8	22.11	88.5	22.30
	35	52.6	11.85	59.5	13.92	66.3	16.28	73.1	18.92	80.0	21.88	82.3	22.52	85.5	22.90	87.1	23.10
	37	52.6	12.54	59.5	14.84	66.3	17.42	73.1	20.27	79.3	23.11	80.9	23.31	84.1	23.69	85.8	23.89
	40	52.6	13.82	59.5	16.42	66.3	19.28	73.1	22.47	77.3	24.29	78.9	24.49	81.9	24.87	83.5	25.07
	43	52.6	15.26	59.5	18.12	66.3	21.32	73.1	24.90	75.1	25.48	76.7	25.68	79.7	26.06	81.2	26.26
	46	52.6	16.81	59.5	20.01	66.3	23.59	71.5	26.46	73.1	26.66	74.4	26.86	77.6	27.26	79.0	27.44

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳234LALHH

● Capacity : 72.8 kW (26HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
72.8 (100%)	10	47.8	6.73	54.0	7.51	60.2	8.27	66.4	9.03	72.8	9.80	78.9	10.56	91.3	12.08	97.5	13.42
	15	47.8	6.73	54.0	7.51	60.2	8.27	66.4	9.03	72.8	10.03	78.9	11.32	91.3	14.22	97.5	15.83
	21	47.8	6.99	54.0	8.12	60.2	9.35	66.4	10.69	72.8	12.15	78.9	13.69	91.3	17.21	94.7	18.01
	23	47.8	7.43	54.0	8.63	60.2	9.96	66.4	11.37	72.8	12.91	78.9	14.58	91.3	18.31	93.3	18.60
	25	47.8	7.88	54.0	9.18	60.2	10.58	66.4	12.09	72.8	13.73	78.9	15.48	90.4	19.08	92.0	19.21
	27	47.8	8.36	54.0	9.73	60.2	11.21	66.4	12.84	72.8	14.58	78.9	16.47	89.0	19.66	90.7	19.80
	30	47.8	9.11	54.0	10.62	60.2	12.26	66.4	14.02	72.8	15.94	78.9	18.02	87.1	20.69	88.5	20.87
	33	47.8	9.93	54.0	11.58	60.2	13.37	66.4	15.32	72.8	17.50	78.9	19.95	84.9	21.87	86.5	22.07
	35	47.8	10.49	54.0	12.27	60.2	14.18	66.4	16.35	72.8	18.75	78.9	21.40	83.5	22.66	85.1	22.86
	37	47.8	11.11	54.0	12.99	60.2	15.15	66.4	17.49	72.8	20.09	78.9	22.94	82.2	23.45	83.8	23.65
	40	47.8	12.17	54.0	14.34	60.2	16.73	66.4	19.35	72.8	22.26	77.0	24.28	80.0	24.65	81.6	24.83
	43	47.8	13.41	54.0	15.82	60.2	18.49	66.4	21.41	72.8	24.66	75.0	25.45	78.0	25.83	79.6	26.03
	46	47.8	14.75	54.0	17.44	60.2	20.42	66.4	23.69	71.5	26.45	72.8	26.65	75.8	27.03	77.3	27.23
65.5 (90%)	10	42.9	6.15	48.5	6.84	54.2	7.52	59.8	8.21	65.4	8.91	70.9	9.60	82.2	10.97	87.8	11.66
	15	42.9	6.15	48.5	6.84	54.2	7.52	59.8	8.21	65.4	8.91	70.9	9.69	82.2	12.04	87.8	13.34
	21	42.9	6.28	48.5	7.13	54.2	8.16	59.8	9.28	65.4	10.45	70.9	11.74	82.2	14.58	87.8	16.15
	23	42.9	6.55	48.5	7.58	54.2	8.67	59.8	9.86	65.4	11.13	70.9	12.49	82.2	15.51	87.8	17.19
	25	42.9	6.96	48.5	8.05	54.2	9.21	59.8	10.48	65.4	11.82	70.9	13.26	82.2	16.50	87.8	18.28
	27	42.9	7.37	48.5	8.53	54.2	9.77	59.8	11.10	65.4	12.54	70.9	14.08	82.2	17.53	87.8	19.45
	30	42.9	8.03	48.5	9.29	54.2	10.66	59.8	12.13	65.4	13.71	70.9	15.41	82.2	19.19	86.1	20.59
	33	42.9	8.74	48.5	10.14	54.2	11.62	59.8	13.23	65.4	14.98	70.9	16.86	82.2	21.35	84.2	21.77
	35	42.9	9.25	48.5	10.73	54.2	12.31	59.8	14.02	65.4	15.96	70.9	18.07	81.3	22.39	82.9	22.58
	37	42.9	9.77	48.5	11.35	54.2	13.06	59.8	14.98	65.4	17.07	70.9	19.37	80.0	23.18	81.5	23.38
	40	42.9	10.63	48.5	12.45	54.2	14.41	59.8	16.56	65.4	18.90	70.9	21.44	78.0	24.38	79.6	24.56
	43	42.9	11.70	48.5	13.72	54.2	15.91	59.8	18.29	65.4	20.90	70.9	23.75	76.0	25.59	77.4	25.76
	46	42.9	12.86	48.5	15.09	54.2	17.53	59.8	20.18	65.4	23.11	70.9	26.32	74.0	26.79	75.4	26.97
58.2 (80%)	10	38.1	5.57	43.2	6.18	48.1	6.79	53.0	7.41	58.2	8.00	63.1	8.62	73.1	9.84	78.0	10.46
	15	38.1	5.57	43.2	6.18	48.1	6.79	53.0	7.41	58.2	8.00	63.1	8.62	73.1	10.10	78.0	11.12
	21	38.1	5.67	43.2	6.31	48.1	7.06	53.0	7.95	58.2	8.93	63.1	9.96	73.1	12.22	78.0	13.48
	23	38.1	5.90	43.2	6.59	48.1	7.50	53.0	8.46	58.2	9.49	63.1	10.58	73.1	13.01	78.0	14.34
	25	38.1	6.11	43.2	6.99	48.1	7.95	53.0	8.98	58.2	10.07	63.1	11.24	73.1	13.83	78.0	15.24
	27	38.1	6.45	43.2	7.41	48.1	8.43	53.0	9.53	58.2	10.69	63.1	11.95	73.1	14.69	78.0	16.19
	30	38.1	7.02	43.2	8.06	48.1	9.19	53.0	10.41	58.2	11.68	63.1	13.05	73.1	16.07	78.0	17.72
	33	38.1	7.62	43.2	8.78	48.1	10.01	53.0	11.34	58.2	12.75	63.1	14.25	73.1	17.64	78.0	19.60
	35	38.1	8.06	43.2	9.29	48.1	10.60	53.0	12.00	58.2	13.50	63.1	15.14	73.1	18.89	78.0	21.02
	37	38.1	8.51	43.2	9.81	48.1	11.21	53.0	12.71	58.2	14.39	63.1	16.19	73.1	20.26	78.0	22.53
	40	38.1	9.23	43.2	10.70	48.1	12.31	53.0	14.03	58.2	15.90	63.1	17.91	73.1	22.44	77.0	24.25
	43	38.1	10.12	43.2	11.77	48.1	13.55	53.0	15.47	58.2	17.56	63.1	19.80	73.1	24.86	75.0	25.45
	46	38.1	11.11	43.2	12.93	48.1	14.92	53.0	17.05	58.2	19.36	63.1	21.87	71.7	26.48	73.1	26.66
51.0 (70%)	10	33.4	4.98	37.7	5.52	42.0	6.05	46.5	6.59	50.8	7.11	55.2	7.65	64.0	8.72	68.3	9.26
	15	33.4	4.98	37.7	5.52	42.0	6.05	46.5	6.59	50.8	7.11	55.2	7.65	64.0	8.72	68.3	9.26
	21	33.4	5.08	37.7	5.63	42.0	6.17	46.5	6.76	50.8	7.54	55.2	8.36	64.0	10.13	68.3	11.10
	23	33.4	5.26	37.7	5.84	42.0	6.41	46.5	7.19	50.8	8.01	55.2	8.87	64.0	10.78	68.3	11.81
	25	33.4	5.46	37.7	6.05	42.0	6.79	46.5	7.61	50.8	8.50	55.2	9.42	64.0	11.44	68.3	12.54
	27	33.4	5.66	37.7	6.37	42.0	7.20	46.5	8.09	50.8	9.01	55.2	10.00	64.0	12.16	68.3	13.32
	30	33.4	6.07	37.7	6.93	42.0	7.85	46.5	8.81	50.8	9.84	55.2	10.93	64.0	13.29	68.3	14.56
	33	33.4	6.58	37.7	7.52	42.0	8.53	46.5	9.60	50.8	10.72	55.2	11.92	64.0	14.50	68.3	15.91
	35	33.4	6.94	37.7	7.95	42.0	9.02	46.5	10.15	50.8	11.35	55.2	12.61	64.0	15.42	68.3	17.03
	37	33.4	7.34	37.7	8.40	42.0	9.53	46.5	10.73	50.8	12.00	55.2	13.37	64.0	16.49	68.3	18.21
	40	33.4	7.93	37.7	9.12	42.0	10.36	46.5	11.75	50.8	13.21	55.2	14.78	64.0	18.25	68.3	20.17
	43	33.4	8.64	37.7	9.98	42.0	11.41	46.5	12.93	50.8	14.57	55.2	16.30	64.0	20.18	68.3	22.31
	46	33.4	9.47	37.7	10.95	42.0	12.53	46.5	14.23	50.8	16.05	55.2	17.98	64.0	22.31	68.3	24.72
43.7 (60%)	10	28.6	4.40	32.2	4.85	36.1	5.32	39.7	5.77	43.6	6.22	47.2	6.69	54.7	7.59	58.5	8.06
	15	28.6	4.40	32.2	4.85	36.1	5.32	39.7	5.77	43.6	6.22	47.2	6.69	54.7	7.59	58.5	8.06
	21	28.6	4.47	32.2	4.94	36.1	5.42	39.7	5.87	43.6	6.35	47.2	6.89	54.7	8.26	58.5	9.01
	23	28.6	4.64	32.2	5.12	36.1	5.62	39.7	6.11	43.6	6.65	47.2	7.33	54.7	8.80	58.5	9.56
	25	28.6	4.81	32.2	5.32	36.1	5.83	39.7	6.38	43.6	7.06	47.2	7.78	54.7	9.32	58.5	10.17
	27	28.6	4.98	32.2	5.50	36.1	6.06	39.7	6.75	43.6	7.48	47.2	8.26	54.7	9.90	58.5	10.79
	30	28.6	5.25	32.2	5.86	36.1	6.59	39.7	7.34	43.6	8.16	47.2	8.99	54.7	10.80	58.5	11.79
	33	28.6	5.59	32.2	6.35	36.1	7.16	39.7	7.99	43.6	8.88	47.2	9.80	54.7	11.79	58.5	12.85
	35	28.6	5.90	32.2	6.72	36.1	7.55	39.7	8.44	43.6	9.39	47.2	10.36	54.7	12.48	58.5	13.61
	37	28.6	6.21	32.2	7.07	36.1	7.99	39.7	8.92	43.6	9.91	47.2	10.97	54.7	13.23	58.5	14.53
	40	28.6	6.73	32.2	7.66	36.1	8.65	39.7	9.70	43.6	10.80	47.2	12.00	54.7	14.61	58.5	16.05
	43	28.6	7.27	32.2	8.33	36.1	9.46	39.7	10.64	43.6	11.90	47.2	13.23	54.7	16.12	58.5	17.70
	46	28.6	7.96	32.2	9.13	36.1	10.36	39.7	11.69	43.6	13.07	47.2	14.55	54.7	17.78	58.5	19.56
36.4 (50%)	10	23.8	3.81	27.0	4.19	30.0	4.57	33.2	4.95	36.4	5.33	39.3	5.71	45.5	6.48	48.7	6.86
	15	23.8	3.81	27.0	4.19	30.0	4.57	33.2	4.95	36.4	5.33	39.3	5.71	45.5	6.48	48.7	6.86
	21	23.8	3.88	27.0	4.26	30.0	4.64	33.2	5.05	36.4	5.43	39.3	5.83	45.5	6.62	48.7	7.16
	23	23.8	4.02	27.0	4.43	30.0	4.82	33.2	5.22	36.3	5.63	39.3	6.04	45.5	7.03	48.7	7.60
	25	23.8	4.15	27.0	4.57	30.0	5.01	33.2	5.42	36.4	5.84	39.3	6.30	45.5	7.44	48.7	8.06
	27	23.8	4.29	27.0	4.74	30.0	5.18	33.2	5.63	36.4	6.10	39.3	6.66	45.5	7.91	48.7	8.56
	30	23.8	4.50	27.0	4.98	30.0	5.46	33.2	6.01	36.4	6.62	39.3	7.27	45.5	8.61	48.7	9.33
	33	23.8	4.74	27.0	5.26	30.0	5.87	33.2	6.52	36.4	7.20	39.3	7.89	45.5	9.39	48.7	10.17
	35	23.8	4.91	27.0	5.56	30.0	6.21	33.2	6.89	36.4	7.61	39.3	8.34	45.5	9.91	48.7	10.76
	37	23.8	5.18	27.0	5.84	30.0	6.55	33.2	7.27	36.4	8.03	39.3	8.81	45.5	10.49	48.7	11.38
	40	23.8	5.59	27.0	6.32	30.0	7.07	33.2	7.88	36.4	8.71	39.3	9.57	45.5	11.46	48.7	12.48
	43	23.8	6.03	27.0	6.83	30.0	7.68	33.2	8.57	36.4	9.50	39.3	10.50	45.5	12.62	48.7	13.75
	46	23.8	6.55	27.0	7.45	30.0	8.40	33.2	9.40	36.4	10.43	39.3	11.53	45.5	13.89	48.7	15.14

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳252LALHH

● Capacity : 78.3 kW (28HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
117.5 (150%)	10	77.2	10.69	87.1	11.96	97.2	13.20	107.3	15.32	112.7	16.46	115.1	16.61	119.4	16.90	121.5	17.05
	15	77.2	10.87	87.1	13.00	97.2	15.40	106.7	17.91	108.8	18.08	111.0	18.23	115.2	18.53	117.3	18.68
	21	77.2	13.13	87.1	15.72	97.2	18.63	102.1	19.83	104.2	20.01	106.0	20.16	110.2	20.49	112.2	20.65
	23	77.2	13.96	87.1	16.73	97.2	19.82	100.4	20.47	102.5	20.65	104.5	20.81	108.4	21.14	110.5	21.32
	25	77.2	14.83	87.1	17.78	96.9	20.96	98.9	21.12	100.8	21.30	102.8	21.45	106.7	21.79	108.7	21.97
	27	77.2	15.76	87.1	18.89	95.4	21.60	97.2	21.76	99.3	21.94	101.1	22.12	104.9	22.49	107.0	22.71
	30	77.2	17.24	87.1	20.69	93.0	22.69	94.8	22.91	96.8	23.12	98.6	23.34	102.5	23.78	104.3	24.00
	33	77.2	18.87	87.1	22.97	90.6	23.98	92.3	24.18	94.3	24.40	96.1	24.62	100.0	25.07	101.8	25.29
	35	77.2	20.23	87.1	24.59	88.9	24.82	90.8	25.04	92.6	25.26	94.4	25.49	98.2	25.93	100.0	26.13
	37	77.2	21.66	85.6	25.46	87.4	25.68	89.1	25.91	90.9	26.13	92.7	26.35	96.5	26.78	98.3	27.00
	40	77.2	24.01	83.2	26.74	84.9	26.97	86.7	27.19	88.4	27.42	90.2	27.64	94.0	28.06	95.7	28.29
	43	77.2	26.59	80.7	28.01	82.5	28.25	84.2	28.48	86.0	28.70	87.7	28.93	91.2	29.35	93.0	29.57
	46	76.5	29.06	78.3	29.29	80.0	29.54	81.7	29.76	83.5	29.99	85.2	30.21	88.7	30.66	90.5	30.86
109.6 (140%)	10	72.0	10.05	81.4	11.22	90.6	12.38	100.0	13.67	109.5	15.87	113.3	16.50	117.6	16.79	119.7	16.91
	15	72.0	10.05	81.4	11.73	90.6	13.82	100.0	16.14	107.4	17.94	109.4	18.09	113.4	18.39	115.5	18.56
	21	72.0	11.93	81.4	14.18	90.6	16.70	100.0	19.51	102.5	19.87	104.6	20.05	108.5	20.35	110.6	20.53
	23	72.0	12.68	81.4	15.08	90.6	17.78	99.0	20.36	101.1	20.54	102.9	20.69	107.0	21.02	108.8	21.18
	25	72.0	13.47	81.4	16.03	90.6	18.91	97.5	21.00	99.4	21.18	101.4	21.34	105.3	21.67	107.1	21.85
	27	72.0	14.30	81.4	17.02	90.6	20.09	95.9	21.65	97.9	21.83	99.7	21.98	103.5	22.34	105.3	22.54
	30	72.0	15.62	81.4	18.63	90.6	22.08	93.6	22.77	95.4	22.97	97.2	23.19	101.1	23.63	102.9	23.83
	33	72.0	17.06	81.4	20.52	89.4	23.83	91.2	24.05	93.0	24.25	94.8	24.47	98.6	24.92	100.4	25.14
	35	72.0	18.20	81.4	22.00	87.8	24.67	89.5	24.90	91.3	25.12	93.3	25.34	96.9	25.78	98.7	25.98
	37	72.0	19.48	81.4	23.58	86.3	25.54	88.1	25.76	89.8	25.98	91.6	26.20	95.1	26.63	97.1	26.85
	40	72.0	21.56	81.4	26.14	83.9	26.82	85.6	27.05	87.4	27.27	89.1	27.49	92.6	27.94	94.4	28.14
	43	72.0	23.84	79.7	27.88	81.4	28.11	83.2	28.33	84.9	28.56	86.6	28.78	90.1	29.23	91.9	29.43
	46	72.0	26.39	77.3	29.17	79.0	29.40	80.7	29.62	82.4	29.85	84.2	30.07	87.6	30.52	89.4	30.74
101.8 (130%)	10	66.8	9.41	75.5	10.50	84.3	11.58	93.0	12.67	101.7	14.01	110.4	16.09	115.5	16.65	117.6	16.79
	15	66.8	9.41	75.5	10.54	84.3	12.34	93.0	14.34	101.7	16.53	107.5	17.97	111.6	18.27	113.7	18.42
	21	66.8	10.77	75.5	12.75	84.3	14.93	93.0	17.34	101.0	19.75	102.9	19.90	106.8	20.23	108.8	20.38
	23	66.8	11.45	75.5	13.55	84.3	15.87	93.0	18.46	99.4	20.39	101.4	20.55	105.3	20.88	107.1	21.03
	25	66.8	12.16	75.5	14.41	84.3	16.88	93.0	19.63	97.9	21.04	99.7	21.19	103.6	21.53	105.6	21.70
	27	66.8	12.91	75.5	15.28	84.3	17.94	93.0	20.87	96.2	21.68	98.2	21.86	101.8	22.20	103.8	22.35
	30	66.8	14.09	75.5	16.72	84.3	19.64	92.2	22.59	94.0	22.81	95.8	23.03	99.6	23.44	101.4	23.66
	33	66.8	15.38	75.5	18.27	84.3	21.70	89.9	23.88	91.6	24.10	93.4	24.32	97.2	24.74	98.9	24.95
	35	66.8	16.31	75.5	19.58	84.3	23.28	88.4	24.74	90.1	24.96	91.9	25.18	95.5	25.60	97.2	25.82
	37	66.8	17.45	75.5	20.96	84.3	24.95	86.7	25.61	88.5	25.83	90.2	26.03	93.7	26.47	95.5	26.69
	40	66.8	19.30	75.5	23.22	82.8	26.67	84.3	26.90	86.0	27.12	87.8	27.34	91.3	27.76	93.0	27.98
	43	66.8	21.31	75.5	25.70	80.3	27.96	82.1	28.18	83.8	28.41	85.3	28.63	88.8	29.05	90.5	29.27
	46	66.8	23.55	75.5	28.48	77.9	29.25	79.6	29.47	81.3	29.70	82.9	29.92	86.3	30.36	88.0	30.56
94.0 (120%)	10	61.6	8.77	69.6	9.77	77.7	10.76	85.7	11.77	93.8	12.78	101.8	14.07	113.1	16.50	115.2	16.64
	15	61.6	8.77	69.6	9.77	77.7	10.98	85.7	12.67	93.8	14.54	101.8	16.59	109.5	18.12	111.5	18.26
	21	61.6	9.69	69.6	11.41	77.7	13.28	85.7	15.34	93.8	17.59	101.1	19.75	104.9	20.06	106.7	20.21
	23	61.6	10.32	69.6	12.12	77.7	14.11	85.7	16.32	93.8	18.72	99.4	20.40	103.2	20.72	105.2	20.88
	25	61.6	10.93	69.6	12.88	77.7	15.01	85.7	17.34	93.8	19.92	98.0	21.04	101.8	21.37	103.6	21.53
	27	61.6	11.61	69.6	13.67	77.7	15.93	85.7	18.43	93.8	21.18	96.5	21.71	100.1	22.02	102.1	22.20
	30	61.6	12.66	69.6	14.94	77.7	17.43	85.7	20.17	92.3	22.62	94.1	22.82	97.9	23.25	99.6	23.45
	33	61.6	13.82	69.6	16.31	77.7	19.10	85.7	22.36	90.2	23.91	91.9	24.13	95.4	24.54	97.2	24.76
	35	61.6	14.63	69.6	17.36	77.7	20.48	85.7	23.99	88.5	24.78	90.2	25.00	93.8	25.41	95.5	25.61
	37	61.6	15.56	69.6	18.57	77.7	21.93	85.3	25.42	87.0	25.64	88.8	25.84	92.3	26.28	94.0	26.48
	40	61.6	17.19	69.6	20.54	77.7	24.29	83.1	26.71	84.6	26.93	86.4	27.15	89.8	27.57	91.6	27.79
	43	61.6	18.97	69.6	22.70	77.7	26.91	80.7	28.00	82.4	28.23	83.9	28.45	87.4	28.89	89.1	29.09
	46	61.6	20.93	69.6	25.10	76.8	29.09	78.3	29.32	80.0	29.54	81.7	29.74	84.9	30.18	86.6	30.40
86.1 (110%)	10	56.6	8.12	64.0	9.03	71.3	9.96	78.7	10.88	86.0	11.81	93.3	12.72	108.0	15.53	112.6	16.46
	15	56.6	8.12	64.0	9.03	71.3	9.96	78.7	11.17	86.0	12.74	93.3	14.43	107.0	17.94	108.9	18.08
	21	56.6	8.68	64.0	10.14	71.3	11.75	78.7	13.50	86.0	15.38	93.3	17.45	102.5	19.87	104.6	20.04
	23	56.6	9.23	64.0	10.78	71.3	12.49	78.7	14.34	86.0	16.36	93.3	18.58	101.1	20.54	102.9	20.69
	25	56.6	9.80	64.0	11.45	71.3	13.26	78.7	15.24	86.0	17.41	93.3	19.75	99.7	21.19	101.4	21.34
	27	56.6	10.38	64.0	12.16	71.3	14.08	78.7	16.19	86.0	18.50	93.3	21.00	98.0	21.84	100.0	22.01
	30	56.6	11.32	64.0	13.27	71.3	15.40	78.7	17.72	86.0	20.25	92.3	22.62	95.8	23.03	97.6	23.22
	33	56.6	12.33	64.0	14.47	71.3	16.80	78.7	19.43	86.0	22.44	90.1	23.91	93.4	24.32	95.2	24.54
	35	56.6	13.07	64.0	15.34	71.3	17.93	78.7	20.83	86.0	24.07	88.5	24.78	92.0	25.19	93.7	25.41
	37	56.6	13.83	64.0	16.36	71.3	19.18	78.7	22.31	85.3	25.43	87.0	25.64	90.5	26.06	92.2	26.28
	40	56.6	15.24	64.0	18.08	71.3	21.22	78.7	24.73	83.2	26.72	84.9	26.94	88.1	27.35	89.8	27.57
	43	56.6	16.81	64.0	19.95	71.3	23.47	78.7	27.40	80.8	28.03	82.5	28.25	85.7	28.67	87.4	28.89
	46	56.6	18.52	64.0	22.03	71.3	25.97	76.9	29.10	78.6	29.33	80.1	29.55	83.5	29.99	84.9	30.19

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳252LALHH

● Capacity : 78.3 kW (28HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
78.3 (100%)	10	51.4	7.46	58.1	8.31	64.7	9.15	71.4	9.98	78.3	10.83	84.9	11.66	98.2	13.32	104.9	14.78
	15	51.4	7.46	58.1	8.31	64.7	9.15	71.4	9.98	78.3	11.06	84.9	12.48	98.2	15.65	104.9	17.42
	21	51.4	7.74	58.1	8.98	64.7	10.33	71.4	11.79	78.3	13.39	84.9	15.08	98.2	18.94	101.8	19.83
	23	51.4	8.22	58.1	9.54	64.7	10.99	71.4	12.54	78.3	14.22	84.9	16.05	98.2	20.15	100.4	20.47
	25	51.4	8.72	58.1	10.14	64.7	11.67	71.4	13.32	78.3	15.12	84.9	17.05	97.2	20.99	99.0	21.14
	27	51.4	9.24	58.1	10.74	64.7	12.36	71.4	14.15	78.3	16.06	84.9	18.13	95.8	21.64	97.5	21.79
	30	51.4	10.07	58.1	11.72	64.7	13.52	71.4	15.44	78.3	17.55	84.9	19.84	93.6	22.77	95.2	22.96
	33	51.4	10.97	58.1	12.78	64.7	14.74	71.4	16.87	78.3	19.27	84.9	21.96	91.3	24.06	93.0	24.28
	35	51.4	11.58	58.1	13.53	64.7	15.63	71.4	18.00	78.3	20.64	84.9	23.55	89.9	24.93	91.6	25.15
	37	51.4	12.26	58.1	14.32	64.7	16.68	71.4	19.26	78.3	22.11	84.9	25.25	88.4	25.80	90.1	26.02
	40	51.4	13.43	58.1	15.80	64.7	18.43	71.4	21.31	78.3	24.50	82.9	26.71	86.1	27.12	87.8	27.32
	43	51.4	14.78	58.1	17.43	64.7	20.36	71.4	23.57	78.3	27.14	80.7	28.00	83.9	28.42	85.6	28.63
	46	51.4	16.26	58.1	19.21	64.7	22.48	71.4	26.08	76.9	29.10	78.3	29.32	81.5	29.74	83.2	29.95
70.5 (90%)	10	46.2	6.82	52.2	7.57	58.3	8.33	64.3	9.08	70.3	9.85	76.3	10.60	88.4	12.11	94.4	12.86
	15	46.2	6.82	52.2	7.57	58.3	8.33	64.3	9.08	70.3	9.85	76.3	10.69	88.4	13.27	94.4	14.69
	21	46.2	6.96	52.2	7.89	58.3	9.02	64.3	10.24	70.3	11.53	76.3	12.94	88.4	16.05	94.4	17.78
	23	46.2	7.26	52.2	8.38	58.3	9.58	64.3	10.88	70.3	12.27	76.3	13.76	88.4	17.07	94.4	18.91
	25	46.2	7.70	52.2	8.90	58.3	10.18	64.3	11.56	70.3	13.03	76.3	14.61	88.4	18.16	94.4	20.12
	27	46.2	8.16	52.2	9.43	58.3	10.78	64.3	12.25	70.3	13.82	76.3	15.51	88.4	19.30	94.4	21.40
	30	46.2	8.88	52.2	10.27	58.3	11.77	64.3	13.38	70.3	15.11	76.3	16.98	88.4	21.12	92.6	22.66
	33	46.2	9.66	52.2	11.19	58.3	12.82	64.3	14.59	70.3	16.50	76.3	18.57	88.4	23.50	90.5	23.95
	35	46.2	10.22	52.2	11.84	58.3	13.58	64.3	15.46	70.3	17.58	76.3	19.89	87.4	24.63	89.1	24.85
	37	46.2	10.79	52.2	12.52	58.3	14.39	64.3	16.50	70.3	18.80	76.3	21.32	86.0	25.51	87.7	25.72
	40	46.2	11.74	52.2	13.73	58.3	15.88	64.3	18.24	70.3	20.81	76.3	23.60	83.9	26.83	85.6	27.02
	43	46.2	12.91	52.2	15.12	58.3	17.53	64.3	20.14	70.3	23.00	76.3	26.14	81.7	28.15	83.2	28.34
	46	46.2	14.19	52.2	16.63	58.3	19.31	64.3	22.23	70.3	25.44	76.3	28.97	79.6	29.47	81.0	29.66
62.6 (80%)	10	41.0	6.18	46.5	6.85	51.8	7.53	57.1	8.20	62.6	8.85	67.8	9.53	78.6	10.87	83.9	11.54
	15	41.0	6.18	46.5	6.85	51.8	7.53	57.1	8.20	62.6	8.85	67.8	9.53	78.6	11.14	83.9	12.26
	21	41.0	6.29	46.5	6.99	51.8	7.81	57.1	8.79	62.6	9.87	67.8	10.99	78.6	13.47	83.9	14.85
	23	41.0	6.55	46.5	7.30	51.8	8.30	57.1	9.35	62.6	10.48	67.8	11.68	78.6	14.33	83.9	15.79
	25	41.0	6.78	46.5	7.74	51.8	8.79	57.1	9.92	62.6	11.12	67.8	12.40	78.6	15.23	83.9	16.78
	27	41.0	7.14	46.5	8.20	51.8	9.32	57.1	10.52	62.6	11.80	67.8	13.18	78.6	16.18	83.9	17.83
	30	41.0	7.78	46.5	8.92	51.8	10.15	57.1	11.49	62.6	12.89	67.8	14.39	78.6	17.69	83.9	19.50
	33	41.0	8.43	46.5	9.70	51.8	11.06	57.1	12.51	62.6	14.05	67.8	15.70	78.6	19.42	83.9	21.57
	35	41.0	8.91	46.5	10.26	51.8	11.70	57.1	13.24	62.6	14.88	67.8	16.68	78.6	20.80	83.9	23.13
	37	41.0	9.40	46.5	10.84	51.8	12.37	57.1	14.02	62.6	15.86	67.8	17.83	78.6	22.30	83.9	24.79
	40	41.0	10.20	46.5	11.81	51.8	13.57	57.1	15.46	62.6	17.52	67.8	19.72	78.6	24.70	82.8	26.68
	43	41.0	11.17	46.5	12.98	51.8	14.94	57.1	17.05	62.6	19.34	67.8	21.80	78.6	27.36	80.7	28.00
	46	41.0	12.26	46.5	14.26	51.8	16.44	57.1	18.78	62.6	21.32	67.8	24.08	77.1	29.13	78.6	29.33
54.8 (70%)	10	36.0	5.54	40.6	6.13	45.2	6.71	50.0	7.30	54.6	7.87	59.4	8.47	68.8	9.64	73.4	10.23
	15	36.0	5.54	40.6	6.13	45.2	6.71	50.0	7.30	54.6	7.87	59.4	8.47	68.8	9.64	73.4	10.23
	21	36.0	5.65	40.6	6.25	45.2	6.85	50.0	7.48	54.6	8.34	59.4	9.23	68.8	11.18	73.4	12.24
	23	36.0	5.84	40.6	6.48	45.2	7.11	50.0	7.96	54.6	8.86	59.4	9.80	68.8	11.89	73.4	13.02
	25	36.0	6.06	40.6	6.71	45.2	7.52	50.0	8.42	54.6	9.39	59.4	10.41	68.8	12.62	73.4	13.82
	27	36.0	6.29	40.6	7.06	45.2	7.97	50.0	8.94	54.6	9.96	59.4	11.04	68.8	13.40	73.4	14.68
	30	36.0	6.73	40.6	7.67	45.2	8.68	50.0	9.73	54.6	10.86	59.4	12.05	68.8	14.64	73.4	16.04
	33	36.0	7.29	40.6	8.32	45.2	9.43	50.0	10.60	54.6	11.83	59.4	13.14	68.8	15.97	73.4	17.52
	35	36.0	7.68	40.6	8.80	45.2	9.96	50.0	11.20	54.6	12.52	59.4	13.91	68.8	16.99	73.4	18.75
	37	36.0	8.12	40.6	9.29	45.2	10.53	50.0	11.85	54.6	13.24	59.4	14.74	68.8	18.17	73.4	20.05
	40	36.0	8.77	40.6	10.08	45.2	11.44	50.0	12.96	54.6	14.56	59.4	16.29	68.8	20.09	73.4	22.20
	43	36.0	9.55	40.6	11.02	45.2	12.59	50.0	14.26	54.6	16.06	59.4	17.96	68.8	22.21	73.4	24.56
	46	36.0	10.46	40.6	12.08	45.2	13.82	50.0	15.69	54.6	17.68	59.4	19.80	68.8	24.56	73.4	27.21
47.0 (60%)	10	30.8	4.90	34.7	5.39	38.8	5.91	42.7	6.40	46.9	6.90	50.8	7.41	58.8	8.40	62.9	8.92
	15	30.8	4.90	34.7	5.39	38.8	5.91	42.7	6.40	46.9	6.90	50.8	7.41	58.8	8.40	62.9	8.92
	21	30.8	4.98	34.7	5.50	38.8	6.02	42.7	6.52	46.9	7.04	50.8	7.63	58.8	9.13	62.9	9.95
	23	30.8	5.16	34.7	5.69	38.8	6.24	42.7	6.77	46.9	7.37	50.8	8.11	58.8	9.72	62.9	10.56
	25	30.8	5.35	34.7	5.91	38.8	6.47	42.7	7.07	46.9	7.82	50.8	8.61	58.8	10.30	62.9	11.22
	27	30.8	5.53	34.7	6.11	38.8	6.72	42.7	7.48	46.9	8.27	50.8	9.13	58.8	10.93	62.9	11.90
	30	30.8	5.83	34.7	6.50	38.8	7.30	42.7	8.13	46.9	9.02	50.8	9.93	58.8	11.92	62.9	13.00
	33	30.8	6.21	34.7	7.04	38.8	7.93	42.7	8.84	46.9	9.81	50.8	10.82	58.8	13.00	62.9	14.17
	35	30.8	6.55	34.7	7.44	38.8	8.36	42.7	9.33	46.9	10.37	50.8	11.44	58.8	13.76	62.9	15.00
	37	30.8	6.89	34.7	7.83	38.8	8.83	42.7	9.86	46.9	10.95	50.8	12.10	58.8	14.59	62.9	16.01
	40	30.8	7.45	34.7	8.47	38.8	9.56	42.7	10.71	46.9	11.93	50.8	13.24	58.8	16.10	62.9	17.67
	43	30.8	8.05	34.7	9.22	38.8	10.45	42.7	11.74	46.9	13.13	50.8	14.59	58.8	17.76	62.9	19.50
	46	30.8	8.80	34.7	10.09	38.8	11.44	42.7	12.90	46.9	14.42	50.8	16.04	58.8	19.58	62.9	21.53
39.2 (50%)	10	25.6	4.26	29.0	4.67	32.2	5.09	35.7	5.50	39.1	5.92	42.3	6.33	49.0	7.19	52.4	7.60
	15	25.6	4.26	29.0	4.67	32.2	5.09	35.7	5.50	39.1	5.92	42.3	6.33	49.0	7.19	52.4	7.60
	21	25.6	4.33	29.0	4.75	32.2	5.17	35.7	5.61	39.1	6.03	42.3	6.47	49.0	7.33	52.4	7.92
	23	25.6	4.48	29.0	4.93	32.2	5.36	35.7	5.81	39.1	6.26	42.3	6.70	49.0	7.78	52.4	8.41
	25	25.6	4.63	29.0	5.09	32.2	5.57	35.7	6.03	39.1	6.48	42.3	6.99	49.0	8.24	52.4	8.91
	27	25.6	4.78	29.0	5.27	32.2	5.76	35.7	6.25	39.1	6.76	42.3	7.38	49.0	8.75	52.4	9.46
	30	25.6	5.02	29.0	5.54	32.2	6.06	35.7	6.66	39.1	7.34	42.3	8.04	49.0	9.51	52.4	10.30
	33	25.6	5.28	29.0	5.84	32.2	6.52	35.7	7.23	39.1	7.97	42.3	8.73	49.0	10.37	52.4	11.23
	35	25.6	5.46	29.0	6.17	32.2	6.88	35.7	7.63	39.1	8.42	42.3	9.22	49.0	10.95	52.4	11.88
	37	25.6	5.76	29.0	6.48	32.2	7.26	35.7	8.05	39.1	8.88	42.3	9.74	49.0	11.58	52.4	12.56
	40	25.6	6.21	29.0	7.00	32.2	7.83	35.7	8.72	39.1	9.62	42.3	10.57	49.0	12.64	52.4	13.77
	43	25.6	6.69	29.0	7.56	32.2	8.50	35.7	9.48	39.1	10.50	42.3	11.59	49.0	13.92	52.4	15.16
	46	25.6	7.26	29.0	8.24	32.2	9.29	35.7	10.38	39.1	11.52	42.3	12.72	49.0	15.31	52.4	16.68

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳270LALHH

● Capacity : 84.8 kW (30HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
127.2 (150%)	10	83.6	11.69	94.4	13.07	105.3	14.43	116.2	16.73	122.1	17.99	124.6	18.15	129.3	18.47	131.6	18.63
	15	83.6	11.88	94.4	14.21	105.3	16.82	115.6	19.57	117.9	19.75	120.2	19.91	124.8	20.24	127.0	20.41
	21	83.6	14.35	94.4	17.17	105.3	20.36	110.6	21.67	112.8	21.86	114.9	22.02	119.3	22.38	121.6	22.56
	23	83.6	15.26	94.4	18.28	105.3	21.65	108.8	22.37	111.0	22.56	113.2	22.73	117.5	23.09	119.7	23.29
	25	83.6	16.21	94.4	19.43	105.0	22.90	107.2	23.07	109.2	23.26	111.4	23.44	115.6	23.80	117.8	24.00
	27	83.6	17.22	94.4	20.64	103.3	23.60	105.3	23.77	107.5	23.97	109.5	24.16	113.7	24.57	115.9	24.81
	30	83.6	18.83	94.4	22.61	100.7	24.79	102.7	25.03	104.8	25.25	106.8	25.49	111.0	25.97	113.0	26.21
	33	83.6	20.62	94.4	25.09	98.1	26.19	100.0	26.41	102.2	26.65	104.1	26.90	108.3	27.38	110.2	27.62
	35	83.6	22.10	94.3	26.87	96.3	27.11	98.4	27.35	100.3	27.60	102.3	27.84	106.4	28.32	108.3	28.54
	37	83.6	23.67	92.7	27.81	94.6	28.05	96.6	28.30	98.5	28.54	100.4	28.78	104.5	29.25	106.4	29.49
	40	83.6	26.23	90.1	29.21	92.0	29.46	93.9	29.70	95.8	29.95	97.7	30.19	101.8	30.65	103.7	30.90
	43	83.6	29.05	87.4	30.59	89.3	30.86	91.2	31.11	93.1	31.35	95.0	31.60	98.8	32.06	100.7	32.30
	46	82.9	31.75	84.8	32.00	86.6	32.26	88.5	32.51	90.4	32.76	92.3	33.00	96.1	33.49	98.0	33.71
118.7 (140%)	10	78.0	10.99	88.2	12.27	98.2	13.54	108.4	14.93	118.6	17.33	122.7	18.02	127.3	18.34	129.7	18.48
	15	78.0	10.99	88.2	12.82	98.2	15.10	108.4	17.63	116.3	19.60	118.5	19.77	122.9	20.09	125.1	20.28
	21	78.0	13.04	88.2	15.50	98.2	18.24	108.4	21.32	111.1	21.71	113.3	21.90	117.5	22.23	119.8	22.42
	23	78.0	13.86	88.2	16.48	98.2	19.42	107.3	22.24	109.5	22.43	111.5	22.60	115.9	22.96	117.9	23.13
	25	78.0	14.72	88.2	17.51	98.2	20.66	105.7	22.95	107.6	23.14	109.8	23.31	114.0	23.67	116.0	23.87
	27	78.0	15.62	88.2	18.59	98.2	21.95	103.8	23.65	106.0	23.84	108.0	24.02	112.1	24.41	114.1	24.62
	30	78.0	17.07	88.2	20.36	98.2	24.12	101.4	24.87	103.4	25.09	105.3	25.33	109.5	25.81	111.4	26.03
	33	78.0	18.64	88.2	22.42	96.9	26.03	98.8	26.27	100.7	26.49	102.7	26.73	106.8	27.21	108.7	27.45
	35	78.0	19.88	88.2	24.03	95.1	26.95	97.0	27.20	98.9	27.44	101.1	27.68	104.9	28.16	106.9	28.38
	37	78.0	21.28	88.2	25.76	93.5	27.90	95.4	28.14	97.3	28.38	99.2	28.62	103.1	29.09	105.2	29.33
	40	78.0	23.56	88.2	28.56	90.8	29.30	92.7	29.54	94.6	29.79	96.5	30.03	100.4	30.51	102.3	30.73
	43	78.0	26.05	86.3	30.46	88.2	30.71	90.1	30.95	92.0	31.20	93.8	31.44	97.6	31.92	99.5	32.14
	46	78.0	28.83	83.7	31.86	85.5	32.11	87.4	32.36	89.3	32.60	91.2	32.85	94.9	33.33	96.8	33.57
110.2 (130%)	10	72.4	10.29	81.8	11.48	91.3	12.67	100.7	13.85	110.2	15.30	119.6	17.57	125.1	18.19	127.4	18.34
	15	72.4	10.29	81.8	11.52	91.3	13.48	100.7	15.67	110.2	18.06	116.4	19.63	120.9	19.96	123.1	20.12
	21	72.4	11.78	81.8	13.94	91.3	16.31	100.7	18.94	109.4	21.58	111.4	21.74	115.6	22.10	117.8	22.26
	23	72.4	12.52	81.8	14.81	91.3	17.35	100.7	20.16	107.6	22.28	109.8	22.45	114.0	22.81	116.0	22.97
	25	72.4	13.30	81.8	15.74	91.3	18.45	100.7	21.44	106.1	22.98	108.0	23.15	112.2	23.52	114.3	23.71
	27	72.4	14.11	81.8	16.70	91.3	19.60	100.7	22.80	104.2	23.69	106.4	23.88	110.3	24.25	112.5	24.42
	30	72.4	15.40	81.8	18.27	91.3	21.45	99.9	24.68	101.8	24.92	103.8	25.15	107.9	25.61	109.8	25.85
	33	72.4	16.80	81.8	19.96	91.3	23.70	97.3	26.08	99.2	26.32	101.2	26.56	105.2	27.02	107.2	27.26
	35	72.4	17.83	81.8	21.40	91.3	25.43	95.7	27.03	97.6	27.27	99.5	27.51	103.4	27.97	105.3	28.20
	37	72.4	19.07	81.8	22.90	91.3	27.26	93.9	27.97	95.8	28.21	97.7	28.43	101.5	28.91	103.5	29.15
	40	72.4	21.09	81.8	25.37	89.6	29.14	91.3	29.38	93.2	29.62	95.1	29.86	98.9	30.32	100.8	30.56
	43	72.4	23.29	81.8	28.08	87.0	30.54	88.9	30.79	90.8	31.03	92.4	31.27	96.2	31.73	98.1	31.97
	46	72.4	25.73	81.8	31.11	84.4	31.95	86.2	32.20	88.1	32.44	89.8	32.68	93.5	33.17	95.4	33.39
101.8 (120%)	10	66.7	9.59	75.4	10.69	84.1	11.77	92.8	12.87	101.6	13.98	110.3	15.37	122.5	18.02	124.8	18.18
	15	66.7	9.59	75.4	10.69	84.1	12.01	92.8	13.85	101.6	15.89	110.3	18.13	118.6	19.79	120.8	19.95
	21	66.7	10.60	75.4	12.47	84.1	14.51	92.8	16.76	101.6	19.22	109.5	21.58	113.6	21.91	115.6	22.07
	23	66.7	11.28	75.4	13.25	84.1	15.43	92.8	17.83	101.6	20.46	107.7	22.28	111.8	22.64	114.0	22.80
	25	66.7	11.96	75.4	14.08	84.1	16.40	92.8	18.95	101.6	21.76	106.1	22.99	110.2	23.35	112.2	23.52
	27	66.7	12.69	75.4	14.94	84.1	17.40	92.8	20.14	101.6	23.13	104.5	23.71	108.4	24.06	110.5	24.25
	30	66.7	13.85	75.4	16.33	84.1	19.04	92.8	22.04	100.0	24.71	101.9	24.93	106.0	25.40	107.9	25.61
	33	66.7	15.11	75.4	17.82	84.1	20.87	92.8	24.43	97.6	26.12	99.6	26.36	103.4	26.81	105.3	27.05
	35	66.7	15.99	75.4	18.97	84.1	22.38	92.8	26.20	95.9	27.06	97.8	27.30	101.6	27.76	103.5	27.98
	37	66.7	17.01	75.4	20.29	84.1	23.96	92.4	27.77	94.3	28.01	96.2	28.23	99.9	28.71	101.8	28.92
	40	66.7	18.79	75.4	22.44	84.1	26.54	90.0	29.18	91.7	29.42	93.5	29.66	97.3	30.12	99.2	30.36
	43	66.7	20.73	75.4	24.81	84.1	29.40	87.4	30.59	89.3	30.83	90.9	31.07	94.6	31.55	96.5	31.77
	46	66.7	22.87	75.4	27.43	83.2	31.78	84.8	32.02	86.6	32.26	88.5	32.49	92.0	32.97	93.8	33.21
93.3 (110%)	10	61.3	8.89	69.3	9.89	77.2	10.90	85.2	11.89	93.2	12.91	101.1	13.90	117.0	16.96	122.0	17.98
	15	61.3	8.89	69.3	9.89	77.2	10.90	85.2	12.21	93.2	13.92	101.1	15.77	115.9	19.59	118.0	19.75
	21	61.3	9.50	69.3	11.09	77.2	12.84	85.2	14.75	93.2	16.81	101.1	19.07	111.1	21.71	113.2	21.89
	23	61.3	10.10	69.3	11.79	77.2	13.66	85.2	15.67	93.2	17.88	101.1	20.29	109.5	22.44	111.5	22.60
	25	61.3	10.72	69.3	12.52	77.2	14.49	85.2	16.66	93.2	19.02	101.1	21.58	107.9	23.15	109.9	23.31
	27	61.3	11.35	69.3	13.29	77.2	15.39	85.2	17.69	93.2	20.21	101.1	22.94	106.2	23.86	108.3	24.04
	30	61.3	12.38	69.3	14.50	77.2	16.83	85.2	19.36	93.2	22.12	100.0	24.71	103.8	25.15	105.7	25.37
	33	61.3	13.49	69.3	15.82	77.2	18.36	85.2	21.23	93.2	24.52	97.6	26.12	101.2	26.57	103.1	26.80
	35	61.3	14.29	69.3	16.76	77.2	19.59	85.2	22.76	93.2	26.30	95.9	27.06	99.6	27.52	101.5	27.75
	37	61.3	15.12	69.3	17.87	77.2	20.96	85.2	24.38	92.4	27.78	94.3	28.01	98.0	28.47	99.9	28.70
	40	61.3	16.65	69.3	19.76	77.2	23.19	85.2	27.02	90.1	29.19	91.9	29.43	95.4	29.88	97.3	30.12
	43	61.3	18.37	69.3	21.80	77.2	25.64	85.2	29.94	87.5	30.62	89.3	30.86	92.8	31.32	94.7	31.55
	46	61.3	20.23	69.3	24.07	77.2	28.37	83.3	31.79	85.1	32.03	86.7	32.28	90.4	32.75	92.0	32.97

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳270LALHH

● Capacity : 84.8 kW (30HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
84.8 (100%)	10	55.7	8.17	62.9	9.10	70.1	10.01	77.3	10.91	84.8	11.84	92.0	12.75	106.4	14.56	113.6	16.14
	15	55.7	8.17	62.9	9.10	70.1	10.01	77.3	10.91	84.8	12.09	92.0	13.64	106.4	17.10	113.6	19.03
	21	55.7	8.47	62.9	9.82	70.1	11.29	77.3	12.89	84.8	14.63	92.0	16.48	106.4	20.69	110.3	21.66
	23	55.7	9.00	62.9	10.44	70.1	12.02	77.3	13.71	84.8	15.54	92.0	17.54	106.4	22.01	108.8	22.37
	25	55.7	9.54	62.9	11.08	70.1	12.76	77.3	14.56	84.8	16.52	92.0	18.63	105.3	22.93	107.2	23.10
	27	55.7	10.11	62.9	11.75	70.1	13.52	77.3	15.46	84.8	17.55	92.0	19.81	103.8	23.64	105.7	23.81
	30	55.7	11.01	62.9	12.82	70.1	14.78	77.3	16.88	84.8	19.18	92.0	21.67	101.4	24.87	103.1	25.08
	33	55.7	11.99	62.9	13.97	70.1	16.11	77.3	18.44	84.8	21.05	92.0	23.99	98.9	26.28	100.8	26.52
	35	55.7	12.67	62.9	14.79	70.1	17.08	77.3	19.67	84.8	22.55	92.0	25.72	97.3	27.23	99.2	27.47
	37	55.7	13.40	62.9	15.65	70.1	18.23	77.3	21.04	84.8	24.16	92.0	27.58	95.8	28.19	97.6	28.42
	40	55.7	14.68	62.9	17.27	70.1	20.14	77.3	23.28	84.8	26.77	89.7	29.17	93.2	29.62	95.1	29.84
	43	55.7	16.16	62.9	19.05	70.1	22.24	77.3	25.76	84.8	29.65	87.4	30.59	90.8	31.04	92.7	31.28
	46	55.7	17.77	62.9	20.99	70.1	24.56	77.3	28.50	83.2	31.79	84.8	32.03	88.3	32.48	90.1	32.72
76.3 (90%)	10	50.0	7.47	56.5	8.29	63.2	9.11	69.7	9.93	76.2	10.77	82.6	11.60	95.8	13.24	102.3	14.06
	15	50.0	7.47	56.5	8.29	63.2	9.11	69.7	9.93	76.2	10.77	82.6	11.69	95.8	14.50	102.3	16.05
	21	50.0	7.62	56.5	8.64	63.2	9.86	69.7	11.20	76.2	12.61	82.6	14.14	95.8	17.54	102.3	19.42
	23	50.0	7.95	56.5	9.17	63.2	10.48	69.7	11.90	76.2	13.41	82.6	15.04	95.8	18.65	102.3	20.66
	25	50.0	8.43	56.5	9.73	63.2	11.13	69.7	12.64	76.2	14.24	82.6	15.97	95.8	19.84	102.3	21.98
	27	50.0	8.93	56.5	10.31	63.2	11.79	69.7	13.39	76.2	15.11	82.6	16.95	95.8	21.08	102.3	23.38
	30	50.0	9.71	56.5	11.23	63.2	12.86	69.7	14.62	76.2	16.51	82.6	18.55	95.8	23.07	100.4	24.75
	33	50.0	10.57	56.5	12.24	63.2	14.02	69.7	15.95	76.2	18.03	82.6	20.29	95.8	25.67	98.1	26.17
	35	50.0	11.18	56.5	12.94	63.2	14.84	69.7	16.89	76.2	19.21	82.6	21.74	94.7	26.91	96.5	27.14
	37	50.0	11.80	56.5	13.69	63.2	15.73	69.7	18.04	76.2	20.55	82.6	23.29	93.2	27.86	95.0	28.09
	40	50.0	12.83	56.5	15.00	63.2	17.35	69.7	19.93	76.2	22.73	82.6	25.79	90.9	29.30	92.7	29.52
	43	50.0	14.11	56.5	16.53	63.2	19.15	69.7	22.00	76.2	25.13	82.6	28.56	88.5	30.74	90.1	30.96
	46	50.0	15.51	56.5	18.18	63.2	21.10	69.7	24.29	76.2	27.79	82.6	31.65	86.2	32.19	87.8	32.40
67.8 (80%)	10	44.4	6.77	50.3	7.50	56.1	8.24	61.8	8.97	67.8	9.69	73.5	10.42	85.2	11.89	90.9	12.62
	15	44.4	6.77	50.3	7.50	56.1	8.24	61.8	8.97	67.8	9.69	73.5	10.42	85.2	12.18	90.9	13.40
	21	44.4	6.90	50.3	7.66	56.1	8.55	61.8	9.62	67.8	10.79	73.5	12.02	85.2	14.72	90.9	16.22
	23	44.4	7.17	50.3	7.99	56.1	9.08	61.8	10.23	67.8	11.46	73.5	12.77	85.2	15.66	90.9	17.25
	25	44.4	7.42	50.3	8.47	56.1	9.62	61.8	10.85	67.8	12.16	73.5	13.55	85.2	16.65	90.9	18.33
	27	44.4	7.82	50.3	8.97	56.1	10.20	61.8	11.51	67.8	12.90	73.5	14.40	85.2	17.68	90.9	19.48
	30	44.4	8.51	50.3	9.76	56.1	11.11	61.8	12.56	67.8	14.09	73.5	15.72	85.2	19.33	90.9	21.31
	33	44.4	9.22	50.3	10.61	56.1	12.09	61.8	13.68	67.8	15.36	73.5	17.16	85.2	21.22	90.9	23.56
	35	44.4	9.75	50.3	11.22	56.1	12.79	61.8	14.47	67.8	16.27	73.5	18.23	85.2	22.72	90.9	25.26
	37	44.4	10.29	50.3	11.85	56.1	13.53	61.8	15.32	67.8	17.33	73.5	19.48	85.2	24.36	90.9	27.08
	40	44.4	11.15	50.3	12.91	56.1	14.83	61.8	16.90	67.8	19.14	73.5	21.54	85.2	26.98	89.7	29.14
	43	44.4	12.22	50.3	14.19	56.1	16.33	61.8	18.63	67.8	21.13	73.5	23.81	85.2	29.90	87.4	30.59
	46	44.4	13.41	50.3	15.59	56.1	17.97	61.8	20.53	67.8	23.30	73.5	26.31	83.5	31.82	85.1	32.03
59.4 (70%)	10	39.0	6.07	44.0	6.72	49.0	7.35	54.2	7.99	59.2	8.62	64.3	9.27	74.5	10.54	79.5	11.19
	15	39.0	6.07	44.0	6.72	49.0	7.35	54.2	7.99	59.2	8.62	64.3	9.27	74.5	10.54	79.5	11.19
	21	39.0	6.19	44.0	6.84	49.0	7.50	54.2	8.19	59.2	9.12	64.3	10.10	74.5	12.23	79.5	13.38
	23	39.0	6.40	44.0	7.09	49.0	7.78	54.2	8.71	59.2	9.69	64.3	10.72	74.5	13.00	79.5	14.23
	25	39.0	6.64	44.0	7.35	49.0	8.23	54.2	9.22	59.2	10.27	64.3	11.38	74.5	13.79	79.5	15.10
	27	39.0	6.88	44.0	7.73	49.0	8.72	54.2	9.78	59.2	10.89	64.3	12.07	74.5	14.65	79.5	16.04
	30	39.0	7.37	44.0	8.40	49.0	9.50	54.2	10.65	59.2	11.88	64.3	13.18	74.5	16.00	79.5	17.53
	33	39.0	7.98	44.0	9.10	49.0	10.32	54.2	11.59	59.2	12.94	64.3	14.37	74.5	17.46	79.5	19.14
	35	39.0	8.41	44.0	9.63	49.0	10.90	54.2	12.25	59.2	13.69	64.3	15.20	74.5	18.56	79.5	20.48
	37	39.0	8.88	44.0	10.16	49.0	11.52	54.2	12.95	59.2	14.47	64.3	16.12	74.5	19.85	79.5	21.91
	40	39.0	9.60	44.0	11.02	49.0	12.51	54.2	14.17	59.2	15.92	64.3	17.80	74.5	21.96	79.5	24.26
	43	39.0	10.45	44.0	12.05	49.0	13.77	54.2	15.59	59.2	17.55	64.3	19.62	74.5	24.27	79.5	26.84
	46	39.0	11.45	44.0	13.21	49.0	15.11	54.2	17.15	59.2	19.32	64.3	21.64	74.5	26.83	79.5	29.73
50.9 (60%)	10	33.3	5.37	37.6	5.91	42.0	6.47	46.3	7.01	50.8	7.55	55.0	8.11	63.7	9.19	68.2	9.76
	15	33.3	5.37	37.6	5.91	42.0	6.47	46.3	7.01	50.8	7.55	55.0	8.11	63.7	9.19	68.2	9.76
	21	33.3	5.46	37.6	6.03	42.0	6.59	46.3	7.14	50.8	7.71	55.0	8.36	63.7	9.99	68.2	10.88
	23	33.3	5.66	37.6	6.24	42.0	6.84	46.3	7.42	50.8	8.07	55.0	8.88	63.7	10.63	68.2	11.55
	25	33.3	5.86	37.6	6.47	42.0	7.09	46.3	7.74	50.8	8.55	55.0	9.42	63.7	11.26	68.2	12.27
	27	33.3	6.07	37.6	6.69	42.0	7.36	46.3	8.19	50.8	9.05	55.0	9.98	63.7	11.95	68.2	13.02
	30	33.3	6.39	37.6	7.12	42.0	7.99	46.3	8.90	50.8	9.87	55.0	10.86	63.7	13.03	68.2	14.21
	33	33.3	6.80	37.6	7.71	42.0	8.68	46.3	9.67	50.8	10.73	55.0	11.83	63.7	14.21	68.2	15.49
	35	33.3	7.17	37.6	8.14	42.0	9.14	46.3	10.21	50.8	11.34	55.0	12.50	63.7	15.04	68.2	16.40
	37	33.3	7.54	37.6	8.57	42.0	9.66	46.3	10.78	50.8	11.97	55.0	13.23	63.7	15.95	68.2	17.49
	40	33.3	8.16	37.6	9.27	42.0	10.46	46.3	11.71	50.8	13.04	55.0	14.48	63.7	17.60	68.2	19.31
	43	33.3	8.81	37.6	10.08	42.0	11.43	46.3	12.84	50.8	14.35	55.0	15.95	63.7	19.41	68.2	21.31
	46	33.3	9.63	37.6	11.03	42.0	12.52	46.3	14.10	50.8	15.76	55.0	17.53	63.7	21.40	68.2	23.53
42.4 (50%)	10	27.7	4.67	31.4	5.12	34.9	5.58	38.6	6.03	42.4	6.49	45.9	6.94	53.1	7.87	56.8	8.32
	15	27.7	4.67	31.4	5.12	34.9	5.58	38.6	6.03	42.4	6.49	45.9	6.94	53.1	7.87	56.8	8.32
	21	27.7	4.75	31.4	5.21	34.9	5.67	38.6	6.15	42.4	6.61	45.9	7.09	53.1	8.02	56.8	8.67
	23	27.7	4.91	31.4	5.40	34.9	5.87	38.6	6.36	42.4	6.85	45.9	7.34	53.1	8.51	56.8	9.20
	25	27.7	5.08	31.4	5.58	34.9	6.10	38.6	6.60	42.4	7.10	45.9	7.65	53.1	9.01	56.8	9.75
	27	27.7	5.25	31.4	5.78	34.9	6.31	38.6	6.84	42.4	7.40	45.9	8.08	53.1	9.57	56.8	10.35
	30	27.7	5.50	31.4	6.07	34.9	6.64	38.6	7.30	42.4	8.03	45.9	8.80	53.1	10.41	56.8	11.27
	33	27.7	5.78	31.4	6.40	34.9	7.14	38.6	7.91	42.4	8.72	45.9	9.55	53.1	11.34	56.8	12.28
	35	27.7	5.99	31.4	6.75	34.9	7.54	38.6	8.35	42.4	9.21	45.9	10.08	53.1	11.97	56.8	12.98
	37	27.7	6.31	31.4	7.10	34.9	7.94	38.6	8.81	42.4	9.71	45.9	10.65	53.1	12.66	56.8	13.73
	40	27.7	6.80	31.4	7.67	34.9	8.57	38.6	9.54	42.4	10.53	45.9	11.56	53.1	13.82	56.8	15.05
	43	27.7	7.33	31.4	8.28	34.9	9.30	38.6	10.37	42.4	11.49	45.9	12.67	53.1	15.21	56.8	16.57
	46	27.7	7.95	31.4	9.02	34.9	10.16	38.6	11.36	42.4	12.60	45.9	13.91	53.1	16.73	56.8	18.23

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳288LALHH

● Capacity : 89.4 kW (32HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
134.1 (150%)	10	88.1	12.80	99.5	14.32	111.0	15.81	122.5	18.31	128.8	19.69	131.5	19.87	136.5	20.21	138.9	20.39
	15	88.1	12.98	99.5	15.53	111.0	18.41	121.9	21.45	124.3	21.64	126.9	21.82	131.7	22.18	134.1	22.36
	21	88.1	15.70	99.5	18.81	111.0	22.29	116.6	23.76	119.0	23.97	121.1	24.15	125.9	24.54	128.1	24.74
	23	88.1	16.70	99.5	20.02	111.0	23.74	114.7	24.53	117.1	24.74	119.3	24.94	123.8	25.33	126.2	25.54
	25	88.1	17.75	99.5	21.28	110.7	25.12	112.9	25.32	115.2	25.53	117.4	25.71	121.9	26.12	124.1	26.33
	27	88.1	18.86	99.5	22.63	108.9	25.89	111.0	26.09	113.4	26.30	115.5	26.51	119.8	26.95	122.2	27.21
	30	88.1	20.65	99.5	24.79	106.2	27.20	108.3	27.46	110.5	27.73	112.6	27.99	117.1	28.51	119.2	28.77
	33	88.1	22.62	99.5	27.55	103.5	28.76	105.4	29.01	107.6	29.27	109.7	29.53	114.2	30.07	116.3	30.33
	35	88.1	24.26	99.5	29.50	101.6	29.78	103.6	30.04	105.7	30.30	107.8	30.58	112.1	31.10	114.2	31.35
	37	88.1	25.98	97.7	30.55	99.8	30.81	101.7	31.09	103.8	31.35	105.9	31.61	110.2	32.14	112.3	32.40
	40	88.1	28.82	95.0	32.09	96.9	32.37	99.0	32.63	100.9	32.91	103.0	33.17	107.3	33.68	109.2	33.96
	43	88.1	31.94	92.1	33.64	94.2	33.91	96.1	34.19	98.2	34.45	100.1	34.73	104.1	35.24	106.2	35.50
	46	87.3	34.90	89.4	35.18	91.3	35.47	93.2	35.73	95.3	36.01	97.2	36.27	101.2	36.81	103.3	37.06
125.2 (140%)	10	82.2	12.03	92.9	13.44	103.5	14.83	114.2	16.33	125.1	18.96	129.4	19.74	134.4	20.08	136.8	20.23
	15	82.2	12.03	92.9	14.01	103.5	16.51	114.2	19.29	122.7	21.48	124.9	21.66	129.6	22.02	132.0	22.21
	21	82.2	14.26	92.9	16.96	103.5	19.99	114.2	23.36	117.1	23.81	119.5	24.02	124.0	24.38	126.4	24.59
	23	82.2	15.16	92.9	18.04	103.5	21.28	113.1	24.40	115.5	24.61	117.6	24.79	122.2	25.18	124.3	25.38
	25	82.2	16.11	92.9	19.19	103.5	22.64	111.3	25.17	113.6	25.38	115.8	25.58	120.3	25.97	122.4	26.18
	27	82.2	17.11	92.9	20.39	103.5	24.07	109.6	25.96	111.8	26.17	113.9	26.35	118.2	26.77	120.3	27.02
	30	82.2	18.70	92.9	22.32	103.5	26.46	106.8	27.30	108.9	27.55	111.0	27.81	115.5	28.33	117.6	28.58
	33	82.2	20.44	92.9	24.60	102.0	28.58	104.1	28.84	106.2	29.09	108.3	29.35	112.6	29.89	114.7	30.15
	35	82.2	21.82	92.9	26.39	100.3	29.60	102.2	29.88	104.3	30.14	106.5	30.40	110.7	30.92	112.8	31.17
	37	82.2	23.36	92.9	28.29	98.5	30.65	100.6	30.91	102.5	31.17	104.6	31.43	108.6	31.96	110.8	32.22
	40	82.2	25.87	92.9	31.40	95.8	32.19	97.7	32.47	99.8	32.73	101.7	32.99	105.7	33.53	107.8	33.78
	43	82.2	28.63	91.0	33.47	92.9	33.75	95.0	34.01	96.9	34.29	98.8	34.55	102.8	35.09	104.9	35.34
	46	82.2	31.72	88.3	35.03	90.2	35.31	92.1	35.57	94.0	35.85	96.1	36.11	99.9	36.65	102.0	36.91
116.2 (130%)	10	76.3	11.26	86.2	12.57	96.3	13.86	106.2	15.17	116.1	16.74	126.0	19.22	132.0	19.92	134.4	20.08
	15	76.3	11.26	86.2	12.59	96.3	14.75	106.2	17.13	116.1	19.77	122.9	21.51	127.5	21.87	129.9	22.05
	21	76.3	12.87	86.2	15.24	96.3	17.86	106.2	20.76	115.3	23.66	117.6	23.84	122.1	24.23	124.3	24.41
	23	76.3	13.69	86.2	16.21	96.3	18.99	106.2	22.10	113.6	24.43	115.8	24.63	120.3	25.02	122.4	25.20
	25	76.3	14.54	86.2	17.24	96.3	20.20	106.2	23.51	111.8	25.22	113.9	25.40	118.4	25.81	120.6	26.00
	27	76.3	15.44	86.2	18.29	96.3	21.48	106.2	25.00	109.9	25.99	112.1	26.20	116.3	26.61	118.5	26.79
	30	76.3	16.87	86.2	20.03	96.3	23.53	105.2	27.09	107.3	27.35	109.4	27.61	113.7	28.10	115.8	28.36
	33	76.3	18.43	86.2	21.90	96.3	26.03	102.7	28.65	104.6	28.91	106.7	29.17	111.0	29.68	112.9	29.92
	35	76.3	19.54	86.2	23.47	96.3	27.93	100.9	29.68	102.8	29.94	104.9	30.20	109.1	30.71	111.0	30.97
	37	76.3	20.92	86.2	25.15	96.3	29.95	99.0	30.73	101.1	30.99	103.0	31.24	107.0	31.76	109.1	32.02
	40	76.3	23.15	86.2	27.87	94.5	32.01	96.3	32.29	98.2	32.55	100.3	32.81	104.3	33.32	106.2	33.58
	43	76.3	25.58	86.2	30.88	91.6	33.57	93.7	33.83	95.6	34.11	97.4	34.37	101.4	34.88	103.3	35.14
	46	76.3	28.29	86.2	34.25	88.9	35.13	90.8	35.39	92.7	35.67	94.7	35.93	98.5	36.45	100.4	36.70
107.3 (120%)	10	70.4	10.49	79.5	11.68	88.8	12.88	97.9	14.09	107.2	15.30	116.3	16.80	129.3	19.74	131.7	19.90
	15	70.4	10.49	79.5	11.68	88.8	13.11	97.9	15.14	107.2	17.38	116.3	19.83	125.1	21.69	127.3	21.85
	21	70.4	11.58	79.5	13.64	88.8	15.88	97.9	18.35	107.2	21.05	115.5	23.66	119.8	24.04	121.9	24.22
	23	70.4	12.33	79.5	14.49	88.8	16.88	97.9	19.53	107.2	22.41	113.6	24.45	117.9	24.82	120.1	25.02
	25	70.4	13.07	79.5	15.41	88.8	17.96	97.9	20.76	107.2	23.85	112.0	25.22	116.3	25.61	118.4	25.81
	27	70.4	13.89	79.5	16.36	88.8	19.08	97.9	22.07	107.2	25.38	110.2	26.02	114.4	26.40	116.6	26.61
	30	70.4	15.15	79.5	17.88	88.8	20.88	97.9	24.17	105.4	27.12	107.5	27.37	111.8	27.87	113.7	28.12
	33	70.4	16.54	79.5	19.54	88.8	22.90	97.9	26.81	103.0	28.68	104.9	28.94	108.9	29.43	111.0	29.69
	35	70.4	17.53	79.5	20.80	88.8	24.55	97.9	28.78	101.1	29.73	103.0	29.99	107.2	30.48	109.1	30.73
	37	70.4	18.64	79.5	22.26	88.8	26.31	97.4	30.50	99.3	30.76	101.4	31.01	105.4	31.53	107.3	31.78
	40	70.4	20.61	79.5	24.64	88.8	29.17	94.8	32.06	96.6	32.32	98.7	32.58	102.5	33.09	104.6	33.35
	43	70.4	22.76	79.5	27.25	88.8	32.34	92.1	33.62	94.0	33.90	95.8	34.16	99.8	34.68	101.7	34.93
	46	70.4	25.12	79.5	30.16	87.6	34.93	89.4	35.21	91.3	35.47	93.2	35.72	96.9	36.24	98.8	36.50
98.3 (110%)	10	64.6	9.70	73.1	10.80	81.4	11.91	89.9	13.03	98.2	14.14	106.5	15.24	123.3	18.55	128.6	19.69
	15	64.6	9.70	73.1	10.80	81.4	11.91	89.9	13.34	98.2	15.22	106.5	17.25	122.2	21.48	124.5	21.64
	21	64.6	10.37	73.1	12.12	81.4	14.05	89.9	16.14	98.2	18.40	106.5	20.89	117.1	23.81	119.5	24.00
	23	64.6	11.02	73.1	12.89	81.4	14.93	89.9	17.16	98.2	19.58	106.5	22.25	115.5	24.61	117.6	24.79
	25	64.6	11.71	73.1	13.69	81.4	15.87	89.9	18.24	98.2	20.84	106.5	23.66	113.9	25.40	115.8	25.58
	27	64.6	12.42	73.1	14.54	81.4	16.85	89.9	19.39	98.2	22.15	106.5	25.17	112.0	26.19	114.2	26.38
	30	64.6	13.55	73.1	15.89	81.4	18.44	89.9	21.22	98.2	24.27	105.4	27.12	109.4	27.61	111.5	27.84
	33	64.6	14.76	73.1	17.33	81.4	20.13	89.9	23.29	98.2	26.91	102.8	28.68	106.7	29.17	108.8	29.43
	35	64.6	15.64	73.1	18.38	81.4	21.49	89.9	24.98	98.2	28.88	101.1	29.73	105.1	30.22	107.0	30.48
	37	64.6	16.56	73.1	19.61	81.4	23.00	89.9	26.77	97.4	30.52	99.3	30.76	103.3	31.27	105.2	31.53
	40	64.6	18.27	73.1	21.67	81.4	25.46	89.9	29.69	95.0	32.08	96.9	32.34	100.6	32.83	102.5	33.09
	43	64.6	20.15	73.1	23.94	81.4	28.19	89.9	32.93	92.3	33.65	94.2	33.91	97.9	34.42	99.8	34.68
	46	64.6	22.22	73.1	26.45	81.4	31.21	87.8	34.95	89.7	35.23	91.5	35.49	95.3	36.01	96.9	36.26

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳288LALHH

● Capacity : 89.4 kW (32HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
89.4 (100%)	10	58.7	8.92	66.4	9.93	73.9	10.95	81.6	11.95	89.4	12.96	96.9	13.96	112.1	15.96	119.8	17.65
	15	58.7	8.92	66.4	9.93	73.9	10.95	81.6	11.95	89.4	13.21	96.9	14.91	112.1	18.70	119.8	20.83
	21	58.7	9.24	66.4	10.73	73.9	12.35	81.6	14.10	89.4	16.01	96.9	18.04	112.1	22.67	116.3	23.76
	23	58.7	9.81	66.4	11.40	73.9	13.13	81.6	15.00	89.4	17.01	96.9	19.20	112.1	24.13	114.7	24.53
	25	58.7	10.42	66.4	12.12	73.9	13.95	81.6	15.93	89.4	18.09	96.9	20.42	111.0	25.15	113.1	25.33
	27	58.7	11.04	66.4	12.84	73.9	14.79	81.6	16.93	89.4	19.22	96.9	21.71	109.4	25.94	111.3	26.12
	30	58.7	12.04	66.4	14.02	73.9	16.18	81.6	18.49	89.4	21.03	96.9	23.78	106.8	27.30	108.8	27.53
	33	58.7	13.12	66.4	15.30	73.9	17.66	81.6	20.21	89.4	23.09	96.9	26.34	104.3	28.86	106.2	29.12
	35	58.7	13.86	66.4	16.20	73.9	18.72	81.6	21.57	89.4	24.75	96.9	28.26	102.7	29.91	104.6	30.17
	37	58.7	14.68	66.4	17.15	73.9	19.98	81.6	23.10	89.4	26.52	96.9	30.31	100.9	30.96	102.8	31.22
	40	58.7	16.09	66.4	18.94	73.9	22.10	81.6	25.58	89.4	29.41	94.7	32.06	98.4	32.55	100.3	32.80
	43	58.7	17.71	66.4	20.91	73.9	24.43	81.6	28.30	89.4	32.62	92.1	33.62	95.8	34.13	97.7	34.37
	46	58.7	19.50	66.4	23.06	73.9	26.99	81.6	31.34	87.8	34.95	89.4	35.21	93.1	35.72	95.0	35.96
80.5 (90%)	10	52.8	8.15	59.7	9.05	66.5	9.97	73.4	10.87	80.3	11.78	87.2	12.68	100.9	14.50	107.8	15.40
	15	52.8	8.15	59.7	9.05	66.5	9.97	73.4	10.87	80.3	11.78	87.2	12.77	100.9	15.86	107.8	17.56
	21	52.8	8.31	59.7	9.42	66.5	10.78	73.4	12.23	80.3	13.79	87.2	15.47	100.9	19.20	107.8	21.28
	23	52.8	8.67	59.7	10.01	66.5	11.45	73.4	13.00	80.3	14.67	87.2	16.45	100.9	20.43	107.8	22.64
	25	52.8	9.19	59.7	10.63	66.5	12.17	73.4	13.82	80.3	15.59	87.2	17.49	100.9	21.74	107.8	24.10
	27	52.8	9.75	59.7	11.27	66.5	12.89	73.4	14.66	80.3	16.54	87.2	18.57	100.9	23.12	107.8	25.64
	30	52.8	10.62	59.7	12.29	66.5	14.09	73.4	16.02	80.3	18.10	87.2	20.34	100.9	25.32	105.7	27.17
	33	52.8	11.55	59.7	13.38	66.5	15.35	73.4	17.48	80.3	19.77	87.2	22.26	100.9	28.19	103.3	28.73
	35	52.8	12.22	59.7	14.17	66.5	16.27	73.4	18.53	80.3	21.06	87.2	23.85	99.8	29.55	101.7	29.81
	37	52.8	12.91	59.7	14.99	66.5	17.23	73.4	19.77	80.3	22.54	87.2	25.57	98.2	30.62	100.1	30.86
	40	52.8	14.06	59.7	16.45	66.5	19.04	73.4	21.87	80.3	24.97	87.2	28.33	95.8	32.21	97.7	32.44
	43	52.8	15.47	59.7	18.12	66.5	21.02	73.4	24.17	80.3	27.61	87.2	31.40	93.2	33.80	95.0	34.03
	46	52.8	17.01	59.7	19.94	66.5	23.17	73.4	26.70	80.3	30.57	87.2	34.84	90.8	35.39	92.4	35.62
71.5 (80%)	10	46.9	7.38	53.1	8.18	59.2	9.00	65.3	9.80	71.5	10.59	77.4	11.41	89.7	13.01	95.8	13.81
	15	46.9	7.38	53.1	8.18	59.2	9.00	65.3	9.80	71.5	10.59	77.4	11.41	89.7	13.31	95.8	14.65
	21	46.9	7.51	53.1	8.34	59.2	9.32	65.3	10.50	71.5	11.79	77.4	13.13	89.7	16.11	95.8	17.76
	23	46.9	7.82	53.1	8.72	59.2	9.91	65.3	11.17	71.5	12.53	77.4	13.97	89.7	17.14	95.8	18.89
	25	46.9	8.10	53.1	9.24	59.2	10.50	65.3	11.86	71.5	13.30	77.4	14.84	89.7	18.22	95.8	20.09
	27	46.9	8.52	53.1	9.80	59.2	11.14	65.3	12.58	71.5	14.12	77.4	15.77	89.7	19.37	95.8	21.35
	30	46.9	9.29	53.1	10.67	59.2	12.14	65.3	13.74	71.5	15.43	77.4	17.23	89.7	21.19	95.8	23.37
	33	46.9	10.08	53.1	11.60	59.2	13.24	65.3	14.97	71.5	16.82	77.4	18.80	89.7	23.27	95.8	25.86
	35	46.9	10.65	53.1	12.27	59.2	14.01	65.3	15.86	71.5	17.82	77.4	19.98	89.7	24.95	95.8	27.75
	37	46.9	11.24	53.1	12.98	59.2	14.81	65.3	16.79	71.5	19.00	77.4	21.38	89.7	26.75	95.8	29.75
	40	46.9	12.21	53.1	14.14	59.2	16.25	65.3	18.53	71.5	21.00	77.4	23.66	89.7	29.66	94.5	32.03
	43	46.9	13.37	53.1	15.55	59.2	17.91	65.3	20.45	71.5	23.20	77.4	26.17	89.7	32.88	92.1	33.62
	46	46.9	14.68	53.1	17.09	59.2	19.71	65.3	22.53	71.5	25.60	77.4	28.93	87.9	34.98	89.7	35.23
62.6 (70%)	10	41.1	6.61	46.4	7.31	51.7	8.02	57.1	8.72	62.4	9.41	67.8	10.13	78.5	11.54	83.8	12.24
	15	41.1	6.61	46.4	7.31	51.7	8.02	57.1	8.72	62.4	9.41	67.8	10.13	78.5	11.54	83.8	12.24
	21	41.1	6.74	46.4	7.46	51.7	8.18	57.1	8.93	62.4	9.96	67.8	11.02	78.5	13.36	83.8	14.64
	23	41.1	6.97	46.4	7.74	51.7	8.49	57.1	9.50	62.4	10.58	67.8	11.71	78.5	14.21	83.8	15.57
	25	41.1	7.23	46.4	8.02	51.7	8.98	57.1	10.06	62.4	11.22	67.8	12.45	78.5	15.10	83.8	16.54
	27	41.1	7.51	46.4	8.42	51.7	9.52	57.1	10.68	62.4	11.91	67.8	13.20	78.5	16.03	83.8	17.57
	30	41.1	8.03	46.4	9.16	51.7	10.37	57.1	11.63	62.4	12.99	67.8	14.41	78.5	17.52	83.8	19.21
	33	41.1	8.70	46.4	9.95	51.7	11.27	57.1	12.68	62.4	14.15	67.8	15.72	78.5	19.13	83.8	21.00
	35	41.1	9.18	46.4	10.52	51.7	11.91	57.1	13.40	62.4	14.99	67.8	16.66	78.5	20.36	83.8	22.47
	37	41.1	9.70	46.4	11.11	51.7	12.60	57.1	14.19	62.4	15.86	67.8	17.66	78.5	21.79	83.8	24.05
	40	41.1	10.49	46.4	12.06	51.7	13.70	57.1	15.51	62.4	17.45	67.8	19.53	78.5	24.10	83.8	26.64
	43	41.1	11.42	46.4	13.19	51.7	15.07	57.1	17.09	62.4	19.25	67.8	21.55	78.5	26.66	83.8	29.50
	46	41.1	12.52	46.4	14.47	51.7	16.57	57.1	18.81	62.4	21.20	67.8	23.76	78.5	29.50	83.8	32.70
53.6 (60%)	10	35.2	5.84	39.7	6.43	44.3	7.05	48.8	7.64	53.6	8.25	58.1	8.85	67.2	10.05	71.8	10.67
	15	35.2	5.84	39.7	6.43	44.3	7.05	48.8	7.64	53.6	8.25	58.1	8.85	67.2	10.05	71.8	10.67
	21	35.2	5.94	39.7	6.56	44.3	7.18	48.8	7.79	53.6	8.41	58.1	9.11	67.2	10.91	71.8	11.89
	23	35.2	6.15	39.7	6.79	44.3	7.44	48.8	8.08	53.6	8.80	58.1	9.68	67.2	11.61	71.8	12.63
	25	35.2	6.38	39.7	7.05	44.3	7.72	48.8	8.44	53.6	9.34	58.1	10.29	67.2	12.32	71.8	13.41
	27	35.2	6.59	39.7	7.30	44.3	8.01	48.8	8.93	53.6	9.88	58.1	10.91	67.2	13.07	71.8	14.23
	30	35.2	6.95	39.7	7.75	44.3	8.72	48.8	9.72	53.6	10.78	58.1	11.88	67.2	14.27	71.8	15.56
	33	35.2	7.41	39.7	8.41	44.3	9.47	48.8	10.57	53.6	11.73	58.1	12.94	67.2	15.56	71.8	16.97
	35	35.2	7.82	39.7	8.88	44.3	10.00	48.8	11.16	53.6	12.40	58.1	13.70	67.2	16.48	71.8	17.97
	37	35.2	8.23	39.7	9.36	44.3	10.55	48.8	11.80	53.6	13.11	58.1	14.48	67.2	17.48	71.8	19.18
	40	35.2	8.90	39.7	10.13	44.3	11.44	48.8	12.81	53.6	14.29	58.1	15.86	67.2	19.30	71.8	21.18
	43	35.2	9.62	39.7	11.03	44.3	12.50	48.8	14.06	53.6	15.73	58.1	17.48	67.2	21.30	71.8	23.40
	46	35.2	10.52	39.7	12.08	44.3	13.70	48.8	15.45	53.6	17.29	58.1	19.24	67.2	23.50	71.8	25.84
44.7 (50%)	10	29.3	5.07	33.1	5.56	36.8	6.07	40.8	6.56	44.6	7.07	48.3	7.56	56.0	8.59	59.8	9.08
	15	29.3	5.07	33.1	5.56	36.8	6.07	40.8	6.56	44.6	7.07	48.3	7.56	56.0	8.59	59.8	9.08
	21	29.3	5.15	33.1	5.66	36.8	6.17	40.8	6.69	44.6	7.20	48.3	7.72	56.0	8.75	59.8	9.45
	23	29.3	5.33	33.1	5.87	36.8	6.40	40.8	6.94	44.6	7.48	48.3	8.00	56.0	9.29	59.8	10.04
	25	29.3	5.51	33.1	6.07	36.8	6.64	40.8	7.20	44.6	7.74	48.3	8.34	56.0	9.85	59.8	10.65
	27	29.3	5.69	33.1	6.28	36.8	6.87	40.8	7.46	44.6	8.06	48.3	8.82	56.0	10.45	59.8	11.30
	30	29.3	5.99	33.1	6.61	36.8	7.23	40.8	7.95	44.6	8.77	48.3	9.60	56.0	11.37	59.8	12.32
	33	29.3	6.30	33.1	6.97	36.8	7.79	40.8	8.64	44.6	9.52	48.3	10.44	56.0	12.40	59.8	13.43
	35	29.3	6.51	33.1	7.36	36.8	8.21	40.8	9.11	44.6	10.06	48.3	11.03	56.0	13.11	59.8	14.22
	37	29.3	6.87	33.1	7.74	36.8	8.67	40.8	9.62	44.6	10.62	48.3	11.65	56.0	13.86	59.8	15.04
	40	29.3	7.41	33.1	8.36	36.8	9.36	40.8	10.42	44.6	11.50	48.3	12.65	56.0	15.14	59.8	16.50
	43	29.3	7.98	33.1	9.03	36.8	10.16	40.8	11.34	44.6	12.57	48.3	13.88	56.0	16.68	59.8	18.17
	46	29.3	8.67	33.1	9.85	36.8	11.11	40.8	12.42	44.6	13.80	48.3	15.24	56.0	18.35	59.8	20.01

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳306LALHH

● Capacity : 95.9 kW (34HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
143.9 (150%)	10	94.5	13.80	106.8	15.43	119.1	17.04	131.4	19.72	138.2	21.22	141.0	21.41	146.4	21.78	149.0	21.97
	15	94.5	13.99	106.8	16.74	119.1	19.83	130.8	23.11	133.4	23.31	136.1	23.50	141.3	23.89	143.8	24.09
	21	94.5	16.92	106.8	20.26	119.1	24.02	125.1	25.60	127.6	25.82	130.0	26.01	135.0	26.43	137.5	26.65
	23	94.5	18.00	106.8	21.57	119.1	25.57	123.1	26.43	125.6	26.65	128.0	26.86	132.9	27.28	135.4	27.51
	25	94.5	19.13	106.8	22.93	118.8	27.06	121.2	27.27	123.6	27.49	126.0	27.70	130.8	28.13	133.2	28.36
	27	94.5	20.32	106.8	24.38	116.8	27.89	119.1	28.10	121.6	28.33	123.9	28.55	128.6	29.03	131.1	29.31
	30	94.5	22.24	106.8	26.71	113.9	29.30	116.2	29.58	118.5	29.86	120.8	30.14	125.6	30.70	127.9	30.98
	33	94.5	24.37	106.8	29.67	111.0	30.97	113.1	31.24	115.5	31.52	117.7	31.81	122.5	32.38	124.7	32.66
	35	94.5	26.13	106.7	31.78	109.0	32.07	111.2	32.35	113.4	32.64	115.7	32.93	120.3	33.49	122.5	33.76
	37	94.5	27.99	104.8	32.90	107.0	33.18	109.2	33.48	111.4	33.76	113.6	34.04	118.2	34.61	120.4	34.89
	40	94.5	31.04	101.9	34.56	104.0	34.86	106.2	35.14	108.3	35.44	110.5	35.72	115.1	36.27	117.2	36.57
	43	94.5	34.40	98.8	36.22	101.0	36.52	103.1	36.82	105.3	37.10	107.4	37.40	111.7	37.95	113.9	38.23
	46	93.7	37.59	95.9	37.89	97.9	38.19	100.0	38.48	102.2	38.78	104.3	39.06	108.6	39.64	110.8	39.91
134.3 (140%)	10	88.2	12.97	99.7	14.49	111.1	15.99	122.6	17.59	134.2	20.42	138.8	21.26	144.1	21.63	146.8	21.80
	15	88.2	12.97	99.7	15.10	111.1	17.79	122.6	20.78	131.6	23.14	134.0	23.34	139.1	23.72	141.6	23.93
	21	88.2	15.37	99.7	18.28	111.1	21.53	122.6	25.17	125.7	25.65	128.2	25.87	133.0	26.26	135.6	26.48
	23	88.2	16.34	99.7	19.44	111.1	22.92	121.4	26.28	123.9	26.50	126.2	26.70	131.1	27.12	133.4	27.33
	25	88.2	17.36	99.7	20.67	111.1	24.39	119.5	27.12	121.8	27.34	124.2	27.55	129.0	27.97	131.3	28.20
	27	88.2	18.43	99.7	21.96	111.1	25.93	117.5	27.96	119.9	28.18	122.2	28.39	126.8	28.84	129.1	29.10
	30	88.2	20.15	99.7	24.05	111.1	28.50	114.6	29.40	116.9	29.67	119.1	29.95	123.9	30.51	126.1	30.78
	33	88.2	22.02	99.7	26.50	109.5	30.78	111.7	31.06	113.9	31.33	116.2	31.61	120.8	32.18	123.0	32.46
	35	88.2	23.50	99.7	28.42	107.6	31.88	109.7	32.18	111.9	32.46	114.3	32.74	118.7	33.30	121.0	33.57
	37	88.2	25.16	99.7	30.47	105.7	33.01	107.9	33.29	110.0	33.57	112.2	33.85	116.6	34.42	118.9	34.70
	40	88.2	27.87	99.7	33.82	102.7	34.67	104.8	34.96	107.0	35.25	109.1	35.53	113.5	36.10	115.7	36.37
	43	88.2	30.84	97.6	36.05	99.7	36.35	101.9	36.63	104.0	36.93	106.0	37.21	110.3	37.78	112.5	38.05
	46	88.2	34.16	94.7	37.72	96.7	38.02	98.8	38.31	100.9	38.60	103.1	38.89	107.2	39.46	109.4	39.74
124.7 (130%)	10	81.9	12.14	92.5	13.55	103.3	14.95	113.9	16.35	124.6	18.03	135.2	20.70	141.6	21.46	144.2	21.63
	15	81.9	12.14	92.5	13.57	103.3	15.89	113.9	18.46	124.6	21.30	131.8	23.17	136.8	23.56	139.3	23.75
	21	81.9	13.88	92.5	16.43	103.3	19.24	113.9	22.36	123.7	25.49	126.1	25.68	130.9	26.10	133.3	26.29
	23	81.9	14.76	92.5	17.47	103.3	20.47	113.9	23.80	121.8	26.32	124.2	26.53	129.0	26.95	131.3	27.14
	25	81.9	15.68	92.5	18.57	103.3	21.77	113.9	25.32	120.0	27.16	122.2	27.36	127.0	27.80	129.3	28.01
	27	81.9	16.64	92.5	19.71	103.3	23.14	113.9	26.93	117.9	28.00	120.3	28.22	124.8	28.66	127.2	28.86
	30	81.9	18.18	92.5	21.58	103.3	25.34	112.9	29.18	115.1	29.46	117.4	29.73	122.0	30.27	124.2	30.55
	33	81.9	19.85	92.5	23.59	103.3	28.03	110.1	30.85	112.2	31.13	114.5	31.41	119.0	31.96	121.2	32.23
	35	81.9	21.06	92.5	25.29	103.3	30.08	108.2	31.97	110.3	32.25	112.5	32.53	117.0	33.08	119.1	33.35
	37	81.9	22.54	92.5	27.09	103.3	32.26	106.2	33.09	108.4	33.37	110.5	33.64	114.8	34.20	117.1	34.48
	40	81.9	24.94	92.5	30.02	101.3	34.48	103.3	34.77	105.4	35.05	107.6	35.33	111.9	35.88	114.0	36.16
	43	81.9	27.56	92.5	33.26	98.3	36.15	100.5	36.44	102.6	36.73	104.5	37.01	108.8	37.56	110.9	37.84
	46	81.9	30.47	92.5	36.88	95.4	37.83	97.4	38.12	99.5	38.41	101.6	38.69	105.7	39.26	107.8	39.53
115.1 (120%)	10	75.5	11.31	85.3	12.60	95.2	13.89	105.0	15.19	115.0	16.50	124.8	18.10	138.7	21.26	141.3	21.44
	15	75.5	11.31	85.3	12.60	95.2	14.14	105.0	16.32	115.0	18.73	124.8	21.37	134.2	23.36	136.6	23.54
	21	75.5	12.49	85.3	14.70	95.2	17.11	105.0	19.77	115.0	22.68	123.9	25.49	128.5	25.89	130.8	26.08
	23	75.5	13.29	85.3	15.62	95.2	18.20	105.0	21.04	115.0	24.15	121.9	26.33	126.5	26.74	128.9	26.94
	25	75.5	14.10	85.3	16.61	95.2	19.35	105.0	22.37	115.0	25.69	120.1	27.17	124.7	27.59	127.0	27.80
	27	75.5	14.97	85.3	17.63	95.2	20.55	105.0	23.78	115.0	27.33	118.2	28.02	122.7	28.44	125.0	28.66
	30	75.5	16.34	85.3	19.27	95.2	22.49	105.0	26.04	113.1	29.21	115.3	29.48	119.9	30.02	122.0	30.28
	33	75.5	17.83	85.3	21.05	95.2	24.67	105.0	28.88	110.4	30.89	112.6	31.17	116.9	31.70	119.1	31.98
	35	75.5	18.89	85.3	22.41	95.2	26.45	105.0	30.99	108.5	32.01	110.6	32.29	115.0	32.83	117.1	33.10
	37	75.5	20.09	85.3	23.98	95.2	28.34	104.5	32.85	106.6	33.13	108.8	33.40	113.0	33.96	115.1	34.22
	40	75.5	22.21	85.3	26.54	95.2	31.42	101.7	34.53	103.7	34.81	105.8	35.09	110.0	35.64	112.2	35.92
	43	75.5	24.52	85.3	29.36	95.2	34.83	98.8	36.21	100.9	36.50	102.8	36.78	107.0	37.34	109.1	37.61
	46	75.5	27.06	85.3	32.49	94.0	37.62	95.9	37.91	97.9	38.19	100.0	38.47	104.0	39.03	106.0	39.31
105.5 (110%)	10	69.3	10.47	78.4	11.66	87.3	12.85	96.4	14.04	105.4	15.24	114.3	16.42	132.3	19.98	138.0	21.21
	15	69.3	10.47	78.4	11.66	87.3	12.85	96.4	14.38	105.4	16.40	114.3	18.59	131.1	23.13	133.6	23.31
	21	69.3	11.19	78.4	13.07	87.3	15.14	96.4	17.39	105.4	19.83	114.3	22.51	125.7	25.65	128.1	25.85
	23	69.3	11.89	78.4	13.90	87.3	16.10	96.4	18.49	105.4	21.10	114.3	23.96	123.9	26.51	126.2	26.70
	25	69.3	12.63	78.4	14.76	87.3	17.10	96.4	19.66	105.4	22.45	114.3	25.49	122.1	27.36	124.3	27.55
	27	69.3	13.39	78.4	15.67	87.3	18.16	96.4	20.89	105.4	23.86	114.3	27.11	120.2	28.21	122.5	28.41
	30	69.3	14.61	78.4	17.12	87.3	19.87	96.4	22.86	105.4	26.14	113.1	29.21	117.4	29.73	119.6	29.99
	33	69.3	15.92	78.4	18.68	87.3	21.69	96.4	25.09	105.4	28.99	110.3	30.89	114.5	31.42	116.7	31.69
	35	69.3	16.86	78.4	19.80	87.3	23.15	96.4	26.91	105.4	31.11	108.5	32.01	112.7	32.55	114.8	32.82
	37	69.3	17.85	78.4	21.12	87.3	24.78	96.4	28.84	104.5	32.87	106.6	33.13	110.8	33.68	112.9	33.95
	40	69.3	19.68	78.4	23.35	87.3	27.43	96.4	31.98	101.9	34.55	103.9	34.83	107.9	35.36	110.0	35.64
	43	69.3	21.71	78.4	25.79	87.3	30.36	96.4	35.47	99.0	36.24	101.0	36.52	105.0	37.07	107.1	37.34
	46	69.3	23.93	78.4	28.49	87.3	33.61	94.2	37.64	96.2	37.93	98.1	38.22	102.2	38.77	104.0	39.04

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳306LALHH

● Capacity : 95.9 kW (34HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
95.9 (100%)	10	63.0	9.63	71.2	10.72	79.3	11.81	87.5	12.88	95.9	13.97	104.0	15.05	120.3	17.20	128.5	19.01
	15	63.0	9.63	71.2	10.72	79.3	11.81	87.5	12.88	95.9	14.24	104.0	16.07	120.3	20.15	128.5	22.44
	21	63.0	9.97	71.2	11.57	79.3	13.31	87.5	15.20	95.9	17.25	104.0	19.44	120.3	24.42	124.8	25.59
	23	63.0	10.59	71.2	12.30	79.3	14.16	87.5	16.17	95.9	18.33	104.0	20.69	120.3	25.99	123.1	26.43
	25	63.0	11.24	71.2	13.06	79.3	15.04	87.5	17.17	95.9	19.49	104.0	22.00	119.1	27.09	121.3	27.29
	27	63.0	11.91	71.2	13.85	79.3	15.95	87.5	18.24	95.9	20.71	104.0	23.39	117.4	27.94	119.5	28.14
	30	63.0	12.98	71.2	15.12	79.3	17.44	87.5	19.93	95.9	22.66	104.0	25.61	114.6	29.40	116.7	29.65
	33	63.0	14.14	71.2	16.49	79.3	19.03	87.5	21.78	95.9	24.87	104.0	28.37	111.9	31.08	114.0	31.36
	35	63.0	14.95	71.2	17.46	79.3	20.17	87.5	23.24	95.9	26.66	104.0	30.43	110.1	32.21	112.2	32.49
	37	63.0	15.82	71.2	18.48	79.3	21.53	87.5	24.88	95.9	28.57	104.0	32.64	108.3	33.35	110.3	33.62
	40	63.0	17.34	71.2	20.41	79.3	23.81	87.5	27.55	95.9	31.68	101.5	34.52	105.5	35.05	107.6	35.32
	43	63.0	19.09	71.2	22.53	79.3	26.31	87.5	30.49	95.9	35.13	98.8	36.21	102.7	36.75	104.8	37.02
	46	63.0	21.01	71.2	24.84	79.3	29.07	87.5	33.76	94.1	37.64	95.9	37.92	99.9	38.46	101.9	38.73
86.3 (90%)	10	56.6	8.80	64.0	9.77	71.4	10.75	78.8	11.72	86.2	12.70	93.5	13.68	108.3	15.63	115.7	16.60
	15	56.6	8.80	64.0	9.77	71.4	10.75	78.8	11.72	86.2	12.70	93.5	13.77	108.3	17.09	115.7	18.92
	21	56.6	8.97	64.0	10.17	71.4	11.62	78.8	13.19	86.2	14.87	93.5	16.67	108.3	20.69	115.7	22.92
	23	56.6	9.36	64.0	10.80	71.4	12.35	78.8	14.02	86.2	15.81	93.5	17.73	108.3	22.01	115.7	24.39
	25	56.6	9.92	64.0	11.46	71.4	13.12	78.8	14.90	86.2	16.80	93.5	18.85	108.3	23.42	115.7	25.96
	27	56.6	10.52	64.0	12.15	71.4	13.90	78.8	15.80	86.2	17.83	93.5	20.01	108.3	24.90	115.7	27.62
	30	56.6	11.45	64.0	13.25	71.4	15.18	78.8	17.26	86.2	19.50	93.5	21.91	108.3	27.27	113.5	29.26
	33	56.6	12.46	64.0	14.43	71.4	16.55	78.8	18.84	86.2	21.30	93.5	23.98	108.3	30.36	110.9	30.95
	35	56.6	13.18	64.0	15.27	71.4	17.53	78.8	19.96	86.2	22.69	93.5	25.70	107.1	31.83	109.1	32.10
	37	56.6	13.92	64.0	16.16	71.4	18.57	78.8	21.31	86.2	24.29	93.5	27.54	105.4	32.97	107.4	33.23
	40	56.6	15.15	64.0	17.72	71.4	20.51	78.8	23.56	86.2	26.89	93.5	30.52	102.8	34.68	104.8	34.94
	43	56.6	16.67	64.0	19.53	71.4	22.64	78.8	26.03	86.2	29.74	93.5	33.82	100.0	36.39	101.9	36.65
	46	56.6	18.33	64.0	21.49	71.4	24.96	78.8	28.76	86.2	32.92	93.5	37.52	97.4	38.11	99.2	38.36
76.7 (80%)	10	50.3	7.97	56.9	8.83	63.5	9.71	70.0	10.57	76.7	11.43	83.1	12.30	96.3	14.03	102.8	14.89
	15	50.3	7.97	56.9	8.83	63.5	9.71	70.0	10.57	76.7	11.43	83.1	12.30	96.3	14.35	102.8	15.79
	21	50.3	8.12	56.9	9.01	63.5	10.06	70.0	11.33	76.7	12.71	83.1	14.16	96.3	17.36	102.8	19.13
	23	50.3	8.44	56.9	9.41	63.5	10.69	70.0	12.05	76.7	13.51	83.1	15.06	96.3	18.47	102.8	20.35
	25	50.3	8.74	56.9	9.97	63.5	11.33	70.0	12.79	76.7	14.34	83.1	15.99	96.3	19.64	102.8	21.64
	27	50.3	9.20	56.9	10.57	63.5	12.02	70.0	13.57	76.7	15.22	83.1	16.99	96.3	20.87	102.8	23.00
	30	50.3	10.02	56.9	11.51	63.5	13.10	70.0	14.81	76.7	16.63	83.1	18.56	96.3	22.83	102.8	25.18
	33	50.3	10.87	56.9	12.51	63.5	14.27	70.0	16.14	76.7	18.13	83.1	20.26	96.3	25.07	102.8	27.85
	35	50.3	11.49	56.9	13.23	63.5	15.10	70.0	17.09	76.7	19.21	83.1	21.53	96.3	26.87	102.8	29.88
	37	50.3	12.13	56.9	13.99	63.5	15.97	70.0	18.09	76.7	20.47	83.1	23.03	96.3	28.81	102.8	32.04
	40	50.3	13.16	56.9	15.24	63.5	17.51	70.0	19.97	76.7	22.62	83.1	25.48	96.3	31.94	101.4	34.49
	43	50.3	14.42	56.9	16.76	63.5	19.30	70.0	22.03	76.7	24.99	83.1	28.18	96.3	35.42	98.8	36.21
	46	50.3	15.83	56.9	18.42	63.5	21.24	70.0	24.28	76.7	27.58	83.1	31.16	94.3	37.67	96.2	37.93
67.1 (70%)	10	44.1	7.14	49.8	7.90	55.5	8.66	61.3	9.41	67.0	10.16	72.7	10.93	84.2	12.44	89.9	13.20
	15	44.1	7.14	49.8	7.90	55.5	8.66	61.3	9.41	67.0	10.16	72.7	10.93	84.2	12.44	89.9	13.20
	21	44.1	7.28	49.8	8.05	55.5	8.83	61.3	9.64	67.0	10.74	72.7	11.89	84.2	14.41	89.9	15.78
	23	44.1	7.53	49.8	8.35	55.5	9.16	61.3	10.25	67.0	11.41	72.7	12.63	84.2	15.32	89.9	16.78
	25	44.1	7.81	49.8	8.66	55.5	9.69	61.3	10.86	67.0	12.10	72.7	13.42	84.2	16.27	89.9	17.82
	27	44.1	8.10	49.8	9.09	55.5	10.27	61.3	11.52	67.0	12.84	72.7	14.23	84.2	17.28	89.9	18.93
	30	44.1	8.67	49.8	9.89	55.5	11.19	61.3	12.55	67.0	14.01	72.7	15.54	84.2	18.88	89.9	20.70
	33	44.1	9.39	49.8	10.73	55.5	12.16	61.3	13.67	67.0	15.26	72.7	16.95	84.2	20.62	89.9	22.62
	35	44.1	9.91	49.8	11.35	55.5	12.85	61.3	14.45	67.0	16.16	72.7	17.95	84.2	21.93	89.9	24.20
	37	44.1	10.46	49.8	11.98	55.5	13.59	61.3	15.29	67.0	17.09	72.7	19.04	84.2	23.47	89.9	25.91
	40	44.1	11.32	49.8	13.00	55.5	14.77	61.3	16.72	67.0	18.81	72.7	21.04	84.2	25.97	89.9	28.70
	43	44.1	12.32	49.8	14.22	55.5	16.25	61.3	18.42	67.0	20.74	72.7	23.21	84.2	28.72	89.9	31.78
	46	44.1	13.51	49.8	15.60	55.5	17.86	61.3	20.27	67.0	22.84	72.7	25.60	84.2	31.77	89.9	35.22
57.5 (60%)	10	37.7	6.31	42.6	6.95	47.5	7.61	52.4	8.25	57.5	8.90	62.3	9.55	72.1	10.84	77.1	11.51
	15	37.7	6.31	42.6	6.95	47.5	7.61	52.4	8.25	57.5	8.90	62.3	9.55	72.1	10.84	77.1	11.51
	21	37.7	6.42	42.6	7.09	47.5	7.75	52.4	8.41	57.5	9.08	62.3	9.84	72.1	11.77	77.1	12.82
	23	37.7	6.65	42.6	7.34	47.5	8.04	52.4	8.73	57.5	9.50	62.3	10.45	72.1	12.52	77.1	13.62
	25	37.7	6.89	42.6	7.61	47.5	8.34	52.4	9.11	57.5	10.07	62.3	11.10	72.1	13.28	77.1	14.46
	27	37.7	7.13	42.6	7.88	47.5	8.65	52.4	9.64	57.5	10.66	62.3	11.76	72.1	14.09	77.1	15.35
	30	37.7	7.51	42.6	8.37	47.5	9.41	52.4	10.49	57.5	11.63	62.3	12.81	72.1	15.38	77.1	16.77
	33	37.7	8.00	42.6	9.08	47.5	10.22	52.4	11.40	57.5	12.65	62.3	13.95	72.1	16.77	77.1	18.29
	35	37.7	8.44	42.6	9.58	47.5	10.78	52.4	12.04	57.5	13.37	62.3	14.76	72.1	17.76	77.1	19.37
	37	37.7	8.88	42.6	10.10	47.5	11.38	52.4	12.72	57.5	14.13	62.3	15.61	72.1	18.84	77.1	20.66
	40	37.7	9.61	42.6	10.93	47.5	12.34	52.4	13.81	57.5	15.40	62.3	17.10	72.1	20.80	77.1	22.82
	43	37.7	10.38	42.6	11.89	47.5	13.48	52.4	15.16	57.5	16.95	62.3	18.84	72.1	22.95	77.1	25.21
	46	37.7	11.35	42.6	13.02	47.5	14.78	52.4	16.65	57.5	18.63	62.3	20.73	72.1	25.32	77.1	27.84
48.0 (50%)	10	31.4	5.48	35.5	6.01	39.5	6.56	43.7	7.09	47.9	7.64	51.9	8.17	60.1	9.27	64.2	9.80
	15	31.4	5.48	35.5	6.01	39.5	6.56	43.7	7.09	47.9	7.64	51.9	8.17	60.1	9.27	64.2	9.80
	21	31.4	5.57	35.5	6.12	39.5	6.67	43.7	7.23	47.9	7.78	51.9	8.34	60.1	9.44	64.2	10.20
	23	31.4	5.76	35.5	6.34	39.5	6.91	43.7	7.49	47.9	8.07	51.9	8.64	60.1	10.02	64.2	10.83
	25	31.4	5.96	35.5	6.56	39.5	7.17	43.7	7.77	47.9	8.36	51.9	9.00	60.1	10.62	64.2	11.49
	27	31.4	6.16	35.5	6.79	39.5	7.42	43.7	8.05	47.9	8.70	51.9	9.52	60.1	11.27	64.2	12.19
	30	31.4	6.47	35.5	7.14	39.5	7.81	43.7	8.59	47.9	9.46	51.9	10.36	60.1	12.27	64.2	13.29
	33	31.4	6.80	35.5	7.53	39.5	8.41	43.7	9.32	47.9	10.27	51.9	11.26	60.1	13.37	64.2	14.48
	35	31.4	7.04	35.5	7.94	39.5	8.87	43.7	9.83	47.9	10.85	51.9	11.89	60.1	14.13	64.2	15.32
	37	31.4	7.42	35.5	8.36	39.5	9.35	43.7	10.38	47.9	11.45	51.9	12.56	60.1	14.94	64.2	16.21
	40	31.4	8.00	35.5	9.03	39.5	10.10	43.7	11.24	47.9	12.41	51.9	13.64	60.1	16.32	64.2	17.78
	43	31.4	8.62	35.5	9.75	39.5	10.96	43.7	12.23	47.9	13.56	51.9	14.96	60.1	17.97	64.2	19.58
	46	31.4	9.36	35.5	10.63	39.5	11.98	43.7	13.40	47.9	14.88	51.9	16.43	60.1	19.77	64.2	21.56

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳324LALHH

● Capacity : 102.4 kW (36HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
153.6 (150%)	10	100.9	14.80	114.1	16.54	127.2	18.27	140.3	21.13	147.6	22.75	150.5	22.95	156.3	23.35	159.1	23.55
	15	100.9	15.00	114.1	17.95	127.2	21.25	139.7	24.77	142.5	24.98	145.3	25.18	150.9	25.60	153.5	25.82
	21	100.9	18.14	114.1	21.71	127.2	25.75	133.6	27.44	136.2	27.67	138.9	27.87	144.1	28.32	146.9	28.56
	23	100.9	19.30	114.1	23.12	127.2	27.40	131.5	28.33	134.1	28.56	136.7	28.78	142.0	29.23	144.6	29.48
	25	100.9	20.51	114.1	24.58	126.9	29.00	129.5	29.22	132.0	29.45	134.6	29.69	139.7	30.14	142.3	30.39
	27	100.9	21.78	114.1	26.13	124.7	29.89	127.2	30.11	129.8	30.36	132.3	30.59	137.4	31.11	140.0	31.41
	30	100.9	23.83	114.1	28.63	121.6	31.40	124.1	31.70	126.5	31.99	129.0	32.29	134.1	32.89	136.6	33.19
	33	100.9	26.12	114.1	31.79	118.5	33.18	120.8	33.47	123.4	33.77	125.7	34.09	130.8	34.69	133.1	34.99
	35	100.9	28.00	113.9	34.06	116.4	34.36	118.8	34.66	121.1	34.98	123.6	35.28	128.5	35.88	130.8	36.17
	37	100.9	30.00	111.9	35.25	114.2	35.55	116.7	35.87	119.0	36.17	121.3	36.47	126.2	37.08	128.5	37.38
	40	100.9	33.26	108.8	37.03	111.1	37.35	113.4	37.65	115.7	37.97	118.0	38.27	122.9	38.86	125.2	39.18
	43	100.9	36.86	105.5	38.80	107.8	39.13	110.1	39.45	112.4	39.75	114.7	40.07	119.3	40.66	121.6	40.96
	46	100.1	40.28	102.4	40.60	104.5	40.91	106.8	41.23	109.1	41.55	111.4	41.85	116.0	42.47	118.3	42.76
143.4 (140%)	10	94.2	13.91	106.5	15.54	118.7	17.15	131.0	18.85	143.3	21.88	148.2	22.78	153.8	23.18	156.8	23.37
	15	94.2	13.91	106.5	16.19	118.7	19.07	131.0	22.27	140.5	24.80	143.1	25.02	148.6	25.42	151.2	25.65
	21	94.2	16.48	106.5	19.60	118.7	23.07	131.0	26.98	134.3	27.49	136.9	27.72	142.0	28.14	144.8	28.37
	23	94.2	17.52	106.5	20.84	118.7	24.56	129.7	28.16	132.3	28.39	134.8	28.61	140.0	29.06	142.5	29.28
	25	94.2	18.61	106.5	22.15	118.7	26.14	127.7	29.07	130.0	29.30	132.6	29.52	137.7	29.97	140.2	30.22
	27	94.2	19.75	106.5	23.53	118.7	27.79	125.4	29.96	128.0	30.19	130.5	30.43	135.4	30.91	137.9	31.18
	30	94.2	21.60	106.5	25.78	118.7	30.54	122.4	31.50	124.9	31.79	127.2	32.09	132.3	32.69	134.6	32.98
	33	94.2	23.60	106.5	28.40	117.0	32.98	119.3	33.28	121.6	33.57	124.1	33.87	129.0	34.47	131.3	34.77
	35	94.2	25.18	106.5	30.45	114.9	34.16	117.2	34.48	119.5	34.78	122.1	35.08	126.7	35.68	129.2	35.97
	37	94.2	26.96	106.5	32.65	112.9	35.37	115.2	35.67	117.5	35.97	119.8	36.27	124.6	36.88	127.0	37.18
	40	94.2	29.87	106.5	36.24	109.6	37.15	111.9	37.45	114.2	37.77	116.5	38.07	121.3	38.67	123.6	38.96
	43	94.2	33.05	104.2	38.63	106.5	38.95	108.8	39.25	111.1	39.57	113.2	39.87	117.8	40.47	120.1	40.76
	46	94.2	36.60	101.1	40.41	103.2	40.73	105.5	41.05	107.8	41.35	110.1	41.67	114.5	42.27	116.8	42.57
133.1 (130%)	10	87.5	13.02	98.8	14.53	110.3	16.04	121.6	17.53	133.1	19.32	144.4	22.18	151.2	23.00	154.0	23.18
	15	87.5	13.02	98.8	14.55	110.3	17.03	121.6	19.79	133.1	22.83	140.7	24.83	146.1	25.25	148.7	25.45
	21	87.5	14.89	98.8	17.62	110.3	20.62	121.6	23.96	132.1	27.32	134.6	27.52	139.7	27.97	142.3	28.17
	23	87.5	15.83	98.8	18.73	110.3	21.95	121.6	25.50	130.0	28.21	132.6	28.43	137.7	28.88	140.2	29.08
	25	87.5	16.82	98.8	19.90	110.3	23.34	121.6	27.13	128.2	29.10	130.5	29.32	135.6	29.79	138.0	30.02
	27	87.5	17.84	98.8	21.13	110.3	24.80	121.6	28.86	125.9	30.01	128.5	30.24	133.3	30.71	135.9	30.93
	30	87.5	19.49	98.8	23.13	110.3	27.15	120.6	31.27	122.9	31.57	125.4	31.85	130.3	32.44	132.6	32.74
	33	87.5	21.27	98.8	25.28	110.3	30.03	117.5	33.05	119.8	33.35	122.3	33.65	127.0	34.24	129.5	34.54
	35	87.5	22.58	98.8	27.11	110.3	32.23	115.5	34.26	117.8	34.56	120.1	34.86	124.9	35.45	127.2	35.73
	37	87.5	24.16	98.8	29.03	110.3	34.57	113.4	35.45	115.7	35.75	118.0	36.04	122.6	36.64	125.1	36.94
	40	87.5	26.73	98.8	32.17	108.1	36.95	110.3	37.25	112.6	37.55	114.9	37.85	119.5	38.44	121.8	38.74
	43	87.5	29.54	98.8	35.64	105.0	38.73	107.3	39.05	109.6	39.35	111.6	39.65	116.2	40.24	118.5	40.54
	46	87.5	32.65	98.8	39.51	101.9	40.53	104.0	40.85	106.3	41.15	108.5	41.45	112.9	42.07	115.2	42.36
122.9 (120%)	10	80.6	12.13	91.1	13.52	101.6	14.90	112.1	16.29	122.8	17.70	133.3	19.40	148.1	22.78	150.9	22.98
	15	80.6	12.13	91.1	13.52	101.6	15.17	112.1	17.50	122.8	20.08	133.3	22.91	143.3	25.03	145.9	25.23
	21	80.6	13.40	91.1	15.76	101.6	18.34	112.1	21.19	122.8	24.31	132.3	27.32	137.2	27.74	139.7	27.94
	23	80.6	14.25	91.1	16.75	101.6	19.52	112.1	22.55	122.8	25.89	130.2	28.21	135.1	28.66	137.7	28.86
	25	80.6	15.13	91.1	17.81	101.6	20.74	112.1	23.98	122.8	27.53	128.2	29.12	133.1	29.57	135.6	29.79
	27	80.6	16.05	91.1	18.90	101.6	22.02	112.1	25.49	122.8	29.28	126.2	30.02	131.0	30.48	133.4	30.71
	30	80.6	17.53	91.1	20.66	101.6	24.10	112.1	27.91	120.8	31.30	123.1	31.59	128.0	32.17	130.3	32.44
	33	80.6	19.12	91.1	22.56	101.6	26.44	112.1	30.95	117.8	33.10	120.3	33.40	124.9	33.97	127.2	34.27
	35	80.6	20.25	91.1	24.02	101.6	28.35	112.1	33.20	115.9	34.29	118.2	34.59	122.8	35.18	125.1	35.47
	37	80.6	21.54	91.1	25.70	101.6	30.37	111.6	35.20	113.9	35.50	116.2	35.79	120.6	36.39	122.9	36.66
	40	80.6	23.81	91.1	28.44	101.6	33.67	108.6	37.00	110.8	37.30	112.9	37.60	117.5	38.19	119.8	38.49
	43	80.6	26.28	91.1	31.47	101.6	37.32	105.5	38.80	107.8	39.10	109.8	39.40	114.2	40.00	116.5	40.29
	46	80.6	29.00	91.1	34.82	100.4	40.31	102.4	40.61	104.5	40.91	106.8	41.22	111.1	41.82	113.2	42.12
112.6 (110%)	10	74.0	11.24	83.7	12.52	93.2	13.79	102.9	15.05	112.6	16.34	122.1	17.60	141.3	21.41	147.4	22.73
	15	74.0	11.24	83.7	12.52	93.2	13.79	102.9	15.42	112.6	17.58	122.1	19.93	140.0	24.78	142.7	24.98
	21	74.0	12.01	83.7	14.02	93.2	16.23	102.9	18.64	112.6	21.26	122.1	24.13	134.3	27.49	136.7	27.70
	23	74.0	12.76	83.7	14.91	93.2	17.27	102.9	19.82	112.6	22.62	122.1	25.67	132.3	28.41	134.8	28.61
	25	74.0	13.55	83.7	15.83	93.2	18.33	102.9	21.08	112.6	24.06	122.1	27.32	130.3	29.32	132.8	29.52
	27	74.0	14.36	83.7	16.80	93.2	19.47	102.9	22.39	112.6	25.57	122.1	29.05	128.4	30.23	130.8	30.44
	30	74.0	15.67	83.7	18.35	93.2	21.30	102.9	24.50	112.6	28.01	120.8	31.30	125.4	31.85	127.7	32.14
	33	74.0	17.08	83.7	20.03	93.2	23.25	102.9	26.89	112.6	31.07	117.8	33.10	122.3	33.67	124.6	33.95
	35	74.0	18.08	83.7	21.22	93.2	24.81	102.9	28.84	112.6	33.34	115.9	34.29	120.3	34.88	122.6	35.16
	37	74.0	19.14	83.7	22.63	93.2	26.56	102.9	30.91	111.6	35.22	113.9	35.50	118.3	36.09	120.6	36.37
	40	74.0	21.09	83.7	25.03	93.2	29.40	102.9	34.27	108.8	37.02	110.9	37.32	115.2	37.89	117.5	38.19
	43	74.0	23.27	83.7	27.64	93.2	32.53	102.9	38.01	105.7	38.83	107.8	39.13	112.1	39.72	114.4	40.00
	46	74.0	25.64	83.7	30.53	93.2	36.01	100.6	40.33	102.7	40.63	104.7	40.95	109.1	41.53	111.1	41.82

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳324LALHH

● Capacity : 102.4 kW (36HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
102.4 (100%)	10	67.3	10.34	76.0	11.51	84.7	12.67	93.4	13.81	102.4	14.98	111.1	16.14	128.5	18.44	137.2	20.37
	15	67.3	10.34	76.0	11.51	84.7	12.67	93.4	13.81	102.4	15.27	111.1	17.23	128.5	21.60	137.2	24.05
	21	67.3	10.70	76.0	12.41	84.7	14.27	93.4	16.30	102.4	18.49	111.1	20.84	128.5	26.17	133.3	27.42
	23	67.3	11.37	76.0	13.20	84.7	15.19	93.4	17.34	102.4	19.65	111.1	22.18	128.5	27.85	131.5	28.33
	25	67.3	12.06	76.0	14.00	84.7	16.13	93.4	18.41	102.4	20.89	111.1	23.58	127.2	29.03	129.5	29.25
	27	67.3	12.78	76.0	14.86	84.7	17.11	93.4	19.55	102.4	22.20	111.1	25.07	125.4	29.94	127.7	30.16
	30	67.3	13.92	76.0	16.22	84.7	18.70	93.4	21.37	102.4	24.29	111.1	27.44	122.4	31.50	124.6	31.77
	33	67.3	15.16	76.0	17.68	84.7	20.40	93.4	23.35	102.4	26.65	111.1	30.40	119.5	33.30	121.8	33.60
	35	67.3	16.04	76.0	18.72	84.7	21.62	93.4	24.91	102.4	28.57	111.1	32.60	117.5	34.51	119.8	34.81
	37	67.3	16.96	76.0	19.81	84.7	23.08	93.4	26.66	102.4	30.62	111.1	34.97	115.7	35.74	117.8	36.02
	40	67.3	18.59	76.0	21.88	84.7	25.52	93.4	29.52	102.4	33.95	108.3	36.98	112.6	37.55	114.9	37.84
	43	67.3	20.47	76.0	24.15	84.7	28.19	93.4	32.68	102.4	37.64	105.5	38.80	109.6	39.37	111.9	39.67
	46	67.3	22.52	76.0	26.62	84.7	31.15	93.4	36.18	100.4	40.33	102.4	40.63	106.7	41.20	108.8	41.50
92.2 (90%)	10	60.4	9.45	68.3	10.49	76.3	11.53	84.2	12.57	92.1	13.62	99.8	14.68	115.7	16.76	123.6	17.80
	15	60.4	9.45	68.3	10.49	76.3	11.53	84.2	12.57	92.1	13.62	99.8	14.77	115.7	18.32	123.6	20.28
	21	60.4	9.63	68.3	10.92	76.3	12.46	84.2	14.15	92.1	15.95	99.8	17.87	115.7	22.18	123.6	24.56
	23	60.4	10.05	68.3	11.59	76.3	13.25	84.2	15.04	92.1	16.95	99.8	19.01	115.7	23.59	123.6	26.14
	25	60.4	10.65	68.3	12.29	76.3	14.07	84.2	15.98	92.1	18.01	99.8	20.21	115.7	25.10	123.6	27.82
	27	60.4	11.29	68.3	13.03	76.3	14.91	84.2	16.94	92.1	19.12	99.8	21.45	115.7	26.68	123.6	29.60
	30	60.4	12.28	68.3	14.21	76.3	16.27	84.2	18.50	92.1	20.90	99.8	23.48	115.7	29.22	121.3	31.35
	33	60.4	13.37	68.3	15.48	76.3	17.75	84.2	20.20	92.1	22.83	99.8	25.70	115.7	32.53	118.5	33.17
	35	60.4	14.14	68.3	16.37	76.3	18.79	84.2	21.39	92.1	24.32	99.8	27.55	114.4	34.11	116.5	34.39
	37	60.4	14.93	68.3	17.33	76.3	19.91	84.2	22.85	92.1	26.04	99.8	29.51	112.6	35.32	114.7	35.60
	40	60.4	16.24	68.3	18.99	76.3	21.98	84.2	25.25	92.1	28.81	99.8	32.71	109.8	37.15	111.9	37.44
	43	60.4	17.87	68.3	20.94	76.3	24.26	84.2	27.89	92.1	31.87	99.8	36.24	106.8	38.98	108.8	39.27
	46	60.4	19.65	68.3	23.04	76.3	26.75	84.2	30.82	92.1	35.27	99.8	40.20	104.0	40.83	106.0	41.10
81.9 (80%)	10	53.7	8.56	60.7	9.48	67.8	10.42	74.7	11.34	81.9	12.27	88.8	13.19	102.9	15.05	109.8	15.97
	15	53.7	8.56	60.7	9.48	67.8	10.42	74.7	11.34	81.9	12.27	88.8	13.19	102.9	15.39	109.8	16.93
	21	53.7	8.73	60.7	9.68	67.8	10.80	74.7	12.16	81.9	13.63	88.8	15.19	102.9	18.61	109.8	20.50
	23	53.7	9.06	60.7	10.10	67.8	11.47	74.7	12.93	81.9	14.49	88.8	16.15	102.9	19.80	109.8	21.81
	25	53.7	9.38	60.7	10.70	67.8	12.16	74.7	13.72	81.9	15.38	88.8	17.14	102.9	21.06	109.8	23.19
	27	53.7	9.88	60.7	11.34	67.8	12.90	74.7	14.56	81.9	16.32	88.8	18.21	102.9	22.37	109.8	24.65
	30	53.7	10.75	60.7	12.35	67.8	14.06	74.7	15.88	81.9	17.83	88.8	19.89	102.9	24.47	109.8	26.99
	33	53.7	11.66	60.7	13.42	67.8	15.30	74.7	17.31	81.9	19.44	88.8	21.72	102.9	26.87	109.8	29.84
	35	53.7	12.33	60.7	14.19	67.8	16.19	74.7	18.32	81.9	20.60	88.8	23.08	102.9	28.79	109.8	32.01
	37	53.7	13.02	60.7	15.00	67.8	17.13	74.7	19.39	81.9	21.94	88.8	24.68	102.9	30.87	109.8	34.33
	40	53.7	14.11	60.7	16.34	67.8	18.77	74.7	21.41	81.9	24.24	88.8	27.30	102.9	34.22	108.3	36.95
	43	53.7	15.47	60.7	17.97	67.8	20.69	74.7	23.61	81.9	26.78	88.8	30.19	102.9	37.96	105.5	38.80
	46	53.7	16.98	60.7	19.75	67.8	22.77	74.7	26.03	81.9	29.56	88.8	33.39	100.7	40.36	102.7	40.63
71.7 (70%)	10	47.1	7.67	53.2	8.49	59.3	9.30	65.5	10.10	71.6	10.91	77.6	11.73	89.9	13.34	96.0	14.16
	15	47.1	7.67	53.2	8.49	59.3	9.30	65.5	10.10	71.6	10.91	77.6	11.73	89.9	13.34	96.0	14.16
	21	47.1	7.82	53.2	8.64	59.3	9.48	65.5	10.35	71.6	11.52	77.6	12.76	89.9	15.46	96.0	16.92
	23	47.1	8.09	53.2	8.96	59.3	9.83	65.5	11.00	71.6	12.24	77.6	13.55	89.9	16.43	96.0	17.99
	25	47.1	8.39	53.2	9.30	59.3	10.40	65.5	11.66	71.6	12.98	77.6	14.39	89.9	17.44	96.0	19.10
	27	47.1	8.69	53.2	9.76	59.3	11.02	65.5	12.36	71.6	13.77	77.6	15.26	89.9	18.53	96.0	20.29
	30	47.1	9.31	53.2	10.62	59.3	12.01	65.5	13.47	71.6	15.03	77.6	16.67	89.9	20.24	96.0	22.19
	33	47.1	10.08	53.2	11.51	59.3	13.05	65.5	14.66	71.6	16.37	77.6	18.18	89.9	22.11	96.0	24.24
	35	47.1	10.64	53.2	12.18	59.3	13.79	65.5	15.50	71.6	17.33	77.6	19.24	89.9	23.50	96.0	25.93
	37	47.1	11.22	53.2	12.85	59.3	14.58	65.5	16.39	71.6	18.32	77.6	20.42	89.9	25.15	96.0	27.77
	40	47.1	12.15	53.2	13.94	59.3	15.84	65.5	17.93	71.6	20.17	77.6	22.55	89.9	27.84	96.0	30.76
	43	47.1	13.22	53.2	15.25	59.3	17.43	65.5	19.75	71.6	22.23	77.6	24.87	89.9	30.78	96.0	34.06
	46	47.1	14.50	53.2	16.73	59.3	19.15	65.5	21.73	71.6	24.48	77.6	27.44	89.9	34.04	96.0	37.74
61.4 (60%)	10	40.2	6.78	45.5	7.47	50.7	8.17	56.0	8.86	61.4	9.55	66.5	10.25	77.0	11.63	82.4	12.35
	15	40.2	6.78	45.5	7.47	50.7	8.17	56.0	8.86	61.4	9.55	66.5	10.25	77.0	11.63	82.4	12.35
	21	40.2	6.90	45.5	7.62	50.7	8.32	56.0	9.03	61.4	9.75	66.5	10.57	77.0	12.63	82.4	13.75
	23	40.2	7.15	45.5	7.89	50.7	8.64	56.0	9.38	61.4	10.20	66.5	11.22	77.0	13.43	82.4	14.61
	25	40.2	7.40	45.5	8.17	50.7	8.96	56.0	9.78	61.4	10.80	66.5	11.91	77.0	14.24	82.4	15.51
	27	40.2	7.67	45.5	8.46	50.7	9.29	56.0	10.35	61.4	11.44	66.5	12.61	77.0	15.11	82.4	16.47
	30	40.2	8.07	45.5	8.99	50.7	10.10	56.0	11.26	61.4	12.48	66.5	13.74	77.0	16.49	82.4	17.98
	33	40.2	8.59	45.5	9.75	50.7	10.97	56.0	12.23	61.4	13.57	66.5	14.96	77.0	17.98	82.4	19.61
	35	40.2	9.06	45.5	10.28	50.7	11.56	56.0	12.92	61.4	14.34	66.5	15.82	77.0	19.04	82.4	20.77
	37	40.2	9.53	45.5	10.84	50.7	12.21	56.0	13.64	61.4	15.15	66.5	16.74	77.0	20.20	82.4	22.14
	40	40.2	10.32	45.5	11.73	50.7	13.24	56.0	14.81	61.4	16.51	66.5	18.34	77.0	22.30	82.4	24.46
	43	40.2	11.14	45.5	12.75	50.7	14.46	56.0	16.26	61.4	18.17	66.5	20.20	77.0	24.60	82.4	27.02
	46	40.2	12.18	45.5	13.96	50.7	15.86	56.0	17.85	61.4	19.97	66.5	22.22	77.0	27.14	82.4	29.84
51.2 (50%)	10	33.5	5.89	37.9	6.46	42.2	7.05	46.6	7.62	51.2	8.21	55.5	8.78	64.2	9.95	68.6	10.52
	15	33.5	5.89	37.9	6.46	42.2	7.05	46.6	7.62	51.2	8.21	55.5	8.78	64.2	9.95	68.6	10.52
	21	33.5	5.99	37.9	6.58	42.2	7.17	46.6	7.77	51.2	8.36	55.5	8.96	64.2	10.13	68.6	10.95
	23	33.5	6.19	37.9	6.81	42.2	7.42	46.6	8.04	51.2	8.66	55.5	9.28	64.2	10.75	68.6	11.62
	25	33.5	6.41	37.9	7.05	42.2	7.70	46.6	8.34	51.2	8.98	55.5	9.66	64.2	11.39	68.6	12.33
	27	33.5	6.63	37.9	7.30	42.2	7.97	46.6	8.64	51.2	9.34	55.5	10.22	64.2	12.09	68.6	13.08
	30	33.5	6.95	37.9	7.67	42.2	8.39	46.6	9.23	51.2	10.15	55.5	11.12	64.2	13.17	68.6	14.26
	33	33.5	7.30	37.9	8.09	42.2	9.03	46.6	10.00	51.2	11.02	55.5	12.08	64.2	14.34	68.6	15.53
	35	33.5	7.57	37.9	8.52	42.2	9.53	46.6	10.55	51.2	11.64	55.5	12.75	64.2	15.15	68.6	16.42
	37	33.5	7.97	37.9	8.98	42.2	10.03	46.6	11.14	51.2	12.28	55.5	13.47	64.2	16.02	68.6	17.38
	40	33.5	8.59	37.9	9.70	42.2	10.84	46.6	12.06	51.2	13.32	55.5	14.63	64.2	17.50	68.6	19.06
	43	33.5	9.26	37.9	10.47	42.2	11.76	46.6	13.12	51.2	14.55	55.5	16.04	64.2	19.26	68.6	20.99
	46	33.5	10.05	37.9	11.41	42.2	12.85	46.6	14.38	51.2	15.96	55.5	17.62	64.2	21.19	68.6	23.11

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ∗360LALHH

● Capacity : 113.5 kW (40HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
170.3 (150%)	10	111.8	16.91	126.5	18.90	141.0	20.88	155.5	24.12	163.7	25.98	166.9	26.21	173.4	26.66	176.5	26.89
	15	111.8	17.11	126.5	20.48	141.0	24.26	154.9	28.31	158.0	28.54	161.2	28.77	167.4	29.25	170.3	29.50
	21	111.8	20.71	126.5	24.80	141.0	29.41	148.1	31.37	151.0	31.63	154.0	31.86	159.8	32.37	162.8	32.65
	23	111.8	22.04	126.5	26.41	141.0	31.32	145.8	32.39	148.7	32.65	151.5	32.91	157.4	33.42	160.3	33.70
	25	111.8	23.43	126.5	28.08	140.7	33.16	143.5	33.42	146.4	33.68	149.2	33.95	154.9	34.47	157.7	34.75
	27	111.8	24.88	126.5	29.87	138.2	34.18	141.0	34.44	143.9	34.72	146.7	34.98	152.3	35.57	155.2	35.91
	30	111.8	27.24	126.5	32.73	134.8	35.91	137.6	36.25	140.2	36.60	143.0	36.94	148.7	37.62	151.5	37.96
	33	111.8	29.87	126.5	36.37	131.4	37.96	133.9	38.30	136.7	38.64	139.3	39.00	145.0	39.69	147.6	40.03
	35	111.8	32.03	126.3	38.97	129.1	39.32	131.6	39.66	134.2	40.02	137.0	40.37	142.4	41.05	145.0	41.39
	37	111.8	34.32	124.0	40.34	126.6	40.68	129.3	41.05	131.9	41.39	134.5	41.73	139.9	42.44	142.5	42.78
	40	111.8	38.07	120.6	42.38	123.1	42.75	125.7	43.09	128.2	43.46	130.8	43.80	136.2	44.48	138.7	44.85
	43	111.8	42.21	116.9	44.43	119.5	44.79	122.0	45.16	124.6	45.50	127.1	45.87	132.2	46.55	134.8	46.89
	46	110.9	46.12	113.5	46.49	115.8	46.84	118.3	47.20	120.9	47.57	123.4	47.91	128.5	48.62	131.1	48.96
158.9 (140%)	10	104.4	15.89	118.0	17.76	131.6	19.60	145.2	21.51	158.9	24.97	164.3	26.02	170.6	26.47	173.9	26.69
	15	104.4	15.89	118.0	18.47	131.6	21.76	145.2	25.42	155.8	28.34	158.6	28.59	164.8	29.05	167.7	29.30
	21	104.4	18.81	118.0	22.38	131.6	26.36	145.2	30.83	148.9	31.43	151.8	31.69	157.5	32.17	160.6	32.43
	23	104.4	20.00	118.0	23.80	131.6	28.06	143.8	32.20	146.7	32.46	149.5	32.71	155.2	33.22	158.0	33.48
	25	104.4	21.25	118.0	25.31	131.6	29.87	141.5	33.24	144.2	33.50	147.0	33.76	152.7	34.27	155.5	34.55
	27	104.4	22.56	118.0	26.90	131.6	31.77	139.1	34.27	141.9	34.53	144.7	34.80	150.1	35.34	152.9	35.66
	30	104.4	24.68	118.0	29.47	131.6	34.92	135.6	36.03	138.4	36.37	141.0	36.71	146.7	37.39	149.3	37.73
	33	104.4	26.98	118.0	32.48	129.6	37.73	132.2	38.07	134.8	38.41	137.6	38.75	143.0	39.44	145.6	39.78
	35	104.4	28.80	118.0	34.84	127.4	39.09	129.9	39.46	132.5	39.80	135.3	40.14	140.5	40.82	143.3	41.16
	37	104.4	30.84	118.0	37.36	125.1	40.48	127.7	40.82	130.2	41.16	132.8	41.50	138.1	42.21	140.7	42.55
	40	104.4	34.18	118.0	41.50	121.5	42.52	124.0	42.87	126.6	43.23	129.1	43.57	134.4	44.26	137.0	44.60
	43	104.4	37.84	115.5	44.22	118.0	44.59	120.6	44.93	123.1	45.30	125.4	45.64	130.5	46.33	133.1	46.67
	46	104.4	41.93	112.1	46.27	114.4	46.64	116.9	47.00	119.4	47.35	122.0	47.71	126.8	48.40	129.4	48.74
147.6 (130%)	10	97.0	14.87	109.5	16.60	122.3	18.32	134.8	20.03	147.5	22.05	160.0	25.31	167.7	26.27	170.8	26.47
	15	97.0	14.87	109.5	16.60	122.3	19.44	134.8	22.58	147.5	26.07	156.1	28.37	162.0	28.85	164.9	29.08
	21	97.0	16.99	109.5	20.11	122.3	23.55	134.8	27.38	146.4	31.23	149.3	31.46	155.0	31.97	157.8	32.20
	23	97.0	18.07	109.5	21.39	122.3	25.07	134.8	29.14	144.2	32.25	147.0	32.51	152.7	33.02	155.5	33.25
	25	97.0	19.20	109.5	22.73	122.3	26.66	134.8	31.01	142.1	33.28	144.7	33.53	150.4	34.07	153.0	34.32
	27	97.0	20.37	109.5	24.14	122.3	28.34	134.8	32.99	139.6	34.32	142.4	34.58	147.8	35.12	150.6	35.37
	30	97.0	22.27	109.5	26.44	122.3	31.04	133.6	35.77	136.2	36.11	139.0	36.43	144.4	37.10	147.0	37.44
	33	97.0	24.32	109.5	28.91	122.3	34.36	130.3	37.82	132.8	38.16	135.6	38.50	140.8	39.18	143.5	39.51
	35	97.0	25.81	109.5	31.00	122.3	36.88	128.0	39.20	130.5	39.54	133.1	39.88	138.5	40.56	141.0	40.88
	37	97.0	27.63	109.5	33.22	122.3	39.57	125.7	40.57	128.3	40.91	130.8	41.25	135.9	41.93	138.7	42.27
	40	97.0	30.58	109.5	36.82	119.8	42.29	122.3	42.64	124.8	42.98	127.4	43.32	132.5	44.00	135.0	44.34
	43	97.0	33.81	109.5	40.82	116.3	44.34	118.9	44.70	121.4	45.05	123.7	45.39	128.8	46.07	131.3	46.41
	46	97.0	37.39	109.5	45.28	112.9	46.41	115.2	46.77	117.7	47.12	120.3	47.46	125.1	48.16	127.6	48.50
136.2 (120%)	10	89.4	13.85	101.0	15.43	112.7	17.02	124.3	18.61	136.2	20.22	147.8	22.13	164.3	26.02	167.4	26.24
	15	89.4	13.85	101.0	15.43	112.7	17.30	124.3	19.97	136.2	22.92	147.8	26.15	158.9	28.60	161.7	28.82
	21	89.4	15.29	101.0	17.99	112.7	20.94	124.3	24.20	136.2	27.77	146.7	31.23	152.1	31.72	154.9	31.95
	23	89.4	16.26	101.0	19.12	112.7	22.29	124.3	25.76	136.2	29.58	144.4	32.26	149.8	32.76	152.6	33.00
	25	89.4	17.27	101.0	20.34	112.7	23.69	124.3	27.40	136.2	31.46	142.2	33.30	147.6	33.81	150.4	34.07
	27	89.4	18.33	101.0	21.59	112.7	25.17	124.3	29.13	136.2	33.48	139.9	34.33	145.3	34.86	147.9	35.12
	30	89.4	20.02	101.0	23.60	112.7	27.55	124.3	31.91	133.9	35.80	136.5	36.14	141.9	36.79	144.4	37.11
	33	89.4	21.84	101.0	25.79	112.7	30.24	124.3	35.40	130.6	37.87	133.3	38.21	138.4	38.86	141.0	39.20
	35	89.4	23.15	101.0	27.46	112.7	32.42	124.3	37.99	128.5	39.24	131.0	39.58	136.2	40.25	138.7	40.59
	37	89.4	24.62	101.0	29.39	112.7	34.75	123.7	40.28	126.2	40.62	128.8	40.96	133.7	41.64	136.2	41.96
	40	89.4	27.23	101.0	32.54	112.7	38.55	120.3	42.35	122.8	42.69	125.2	43.03	130.2	43.71	132.8	44.05
	43	89.4	30.07	101.0	36.02	112.7	42.75	116.9	44.42	119.4	44.77	121.7	45.11	126.6	45.79	129.1	46.13
	46	89.4	33.19	101.0	39.88	111.2	46.15	113.5	46.50	115.8	46.84	118.3	47.20	123.1	47.88	125.4	48.22
124.9 (110%)	10	82.0	12.82	92.8	14.29	103.3	15.74	114.1	17.20	124.8	18.67	135.3	20.12	156.6	24.43	163.4	25.96
	15	82.0	12.82	92.8	14.29	103.3	15.74	114.1	17.59	124.8	20.06	135.3	22.75	155.2	28.32	158.3	28.54
	21	82.0	13.70	92.8	16.00	103.3	18.53	114.1	21.28	124.8	24.28	135.3	27.57	148.9	31.43	151.6	31.66
	23	82.0	14.55	92.8	17.02	103.3	19.71	114.1	22.64	124.8	25.84	135.3	29.34	146.7	32.48	149.5	32.71
	25	82.0	15.46	92.8	18.07	103.3	20.94	114.1	24.08	124.8	27.49	135.3	31.23	144.5	33.53	147.2	33.76
	27	82.0	16.40	92.8	19.18	103.3	22.24	114.1	25.59	124.8	29.22	135.3	33.22	142.4	34.58	145.0	34.81
	30	82.0	17.90	92.8	20.97	103.3	24.34	114.1	28.00	124.8	32.03	133.9	35.80	139.0	36.43	141.6	36.76
	33	82.0	19.51	92.8	22.89	103.3	26.58	114.1	30.75	124.8	35.54	130.5	37.87	135.6	38.52	138.2	38.84
	35	82.0	20.65	92.8	24.26	103.3	28.37	114.1	32.99	124.8	38.15	128.5	39.24	133.4	39.91	135.9	40.23
	37	82.0	21.87	92.8	25.88	103.3	30.38	114.1	35.37	123.7	40.31	126.2	40.62	131.1	41.30	133.6	41.62
	40	82.0	24.12	92.8	28.62	103.3	33.64	114.1	39.23	120.6	42.38	122.9	42.72	127.7	43.37	130.2	43.71
	43	82.0	26.61	92.8	31.63	103.3	37.25	114.1	43.54	117.2	44.45	119.5	44.79	124.3	45.47	126.8	45.79
	46	82.0	29.34	92.8	34.95	103.3	41.25	111.5	46.18	113.8	46.53	116.1	46.89	120.9	47.55	123.1	47.89

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ∗360LALHH

● Capacity : 113.5 kW (40HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
113.5 (100%)	10	74.6	11.80	84.3	13.13	93.9	14.47	103.6	15.78	113.5	17.11	123.1	18.44	142.4	21.08	152.1	23.24
	15	74.6	11.80	84.3	13.13	93.9	14.47	103.6	15.78	113.5	17.42	123.1	19.66	142.4	24.65	152.1	27.46
	21	74.6	12.20	84.3	14.16	93.9	16.29	103.6	18.61	113.5	21.11	123.1	23.80	142.4	29.90	147.8	31.35
	23	74.6	12.96	84.3	15.06	93.9	17.33	103.6	19.80	113.5	22.44	123.1	25.33	142.4	31.83	145.8	32.39
	25	74.6	13.76	84.3	15.98	93.9	18.41	103.6	21.02	113.5	23.86	123.1	26.95	141.0	33.19	143.6	33.44
	27	74.6	14.58	84.3	16.96	93.9	19.54	103.6	22.33	113.5	25.36	123.1	28.65	139.0	34.24	141.5	34.49
	30	74.6	15.89	84.3	18.52	93.9	21.36	103.6	24.42	113.5	27.77	123.1	31.38	135.6	36.03	138.2	36.34
	33	74.6	17.31	84.3	20.20	93.9	23.32	103.6	26.69	113.5	30.47	123.1	34.78	132.5	38.10	135.0	38.44
	35	74.6	18.32	84.3	21.39	93.9	24.71	103.6	28.48	113.5	32.68	123.1	37.31	130.3	39.49	132.8	39.83
	37	74.6	19.38	84.3	22.64	93.9	26.38	103.6	30.50	113.5	35.03	123.1	40.03	128.2	40.90	130.5	41.22
	40	74.6	21.25	84.3	25.02	93.9	29.19	103.6	33.79	113.5	38.86	120.1	42.33	124.9	42.98	127.4	43.32
	43	74.6	23.40	84.3	27.63	93.9	32.26	103.6	37.41	113.5	43.12	116.9	44.42	121.5	45.08	124.0	45.41
	46	74.6	25.76	84.3	30.47	93.9	35.66	103.6	41.44	111.3	46.18	113.5	46.52	118.3	47.18	120.6	47.51
102.2 (90%)	10	67.0	10.78	75.8	11.97	84.5	13.17	93.3	14.36	102.1	15.55	110.7	16.76	128.2	19.15	137.0	20.34
	15	67.0	10.78	75.8	11.97	84.5	13.17	93.3	14.36	102.1	15.55	110.7	16.85	128.2	20.91	137.0	23.15
	21	67.0	10.98	75.8	12.45	84.5	14.22	93.3	16.14	102.1	18.21	110.7	20.40	128.2	25.33	137.0	28.06
	23	67.0	11.46	75.8	13.22	84.5	15.12	93.3	17.16	102.1	19.35	110.7	21.70	128.2	26.95	137.0	29.87
	25	67.0	12.14	75.8	14.02	84.5	16.06	93.3	18.24	102.1	20.57	110.7	23.09	128.2	28.68	137.0	31.80
	27	67.0	12.88	75.8	14.87	84.5	17.02	93.3	19.35	102.1	21.84	110.7	24.51	128.2	30.50	137.0	33.84
	30	67.0	14.02	75.8	16.23	84.5	18.59	93.3	21.14	102.1	23.89	110.7	26.84	128.2	33.42	134.4	35.86
	33	67.0	15.26	75.8	17.67	84.5	20.28	93.3	23.09	102.1	26.10	110.7	29.39	128.2	37.22	131.3	37.95
	35	67.0	16.14	75.8	18.70	84.5	21.48	93.3	24.46	102.1	27.80	110.7	31.51	126.8	39.03	129.1	39.35
	37	67.0	17.05	75.8	19.80	84.5	22.75	93.3	26.12	102.1	29.78	110.7	33.76	124.8	40.43	127.1	40.74
	40	67.0	18.56	75.8	21.71	84.5	25.14	93.3	28.88	102.1	32.97	110.7	37.44	121.7	42.53	124.0	42.86
	43	67.0	20.43	75.8	23.94	84.5	27.75	93.3	31.92	102.1	36.48	110.7	41.50	118.3	44.63	120.6	44.96
	46	67.0	22.47	75.8	26.35	84.5	30.61	93.3	35.29	102.1	40.40	110.7	46.07	115.2	46.75	117.4	47.06
90.8 (80%)	10	59.6	9.76	67.3	10.81	75.2	11.89	82.9	12.94	90.8	14.01	98.4	15.07	114.0	17.19	121.7	18.24
	15	59.6	9.76	67.3	10.81	75.2	11.89	82.9	12.94	90.8	14.01	98.4	15.07	114.0	17.56	121.7	19.32
	21	59.6	9.95	67.3	11.03	75.2	12.31	82.9	13.87	90.8	15.55	98.4	17.33	114.0	21.25	121.7	23.41
	23	59.6	10.33	67.3	11.52	75.2	13.08	82.9	14.75	90.8	16.54	98.4	18.44	114.0	22.61	121.7	24.91
	25	59.6	10.70	67.3	12.20	75.2	13.87	82.9	15.66	90.8	17.56	98.4	19.58	114.0	24.05	121.7	26.50
	27	59.6	11.26	67.3	12.94	75.2	14.72	82.9	16.62	90.8	18.64	98.4	20.80	114.0	25.56	121.7	28.17
	30	59.6	12.26	67.3	14.10	75.2	16.05	82.9	18.13	90.8	20.37	98.4	22.73	114.0	27.97	121.7	30.86
	33	59.6	13.31	67.3	15.32	75.2	17.48	82.9	19.77	90.8	22.21	98.4	24.82	114.0	30.72	121.7	34.13
	35	59.6	14.07	67.3	16.20	75.2	18.50	82.9	20.94	90.8	23.54	98.4	26.38	114.0	32.94	121.7	36.63
	37	59.6	14.86	67.3	17.14	75.2	19.57	82.9	22.16	90.8	25.08	98.4	28.23	114.0	35.32	121.7	39.29
	40	59.6	16.12	67.3	18.67	75.2	21.45	82.9	24.48	90.8	27.72	98.4	31.24	114.0	39.18	120.0	42.30
	43	59.6	17.67	67.3	20.54	75.2	23.66	82.9	27.01	90.8	30.64	98.4	34.56	114.0	43.48	116.9	44.42
	46	59.6	19.40	67.3	22.58	75.2	26.04	82.9	29.78	90.8	33.84	98.4	38.24	111.5	46.21	113.8	46.53
79.5 (70%)	10	52.2	8.74	59.0	9.67	65.8	10.61	72.6	11.52	79.4	12.45	86.0	13.39	99.6	15.24	106.4	16.17
	15	52.2	8.74	59.0	9.67	65.8	10.61	72.6	11.52	79.4	12.45	86.0	13.39	99.6	15.24	106.4	16.17
	21	52.2	8.91	59.0	9.85	65.8	10.81	72.6	11.80	79.4	13.14	86.0	14.55	99.6	17.64	106.4	19.32
	23	52.2	9.22	59.0	10.22	65.8	11.21	72.6	12.54	79.4	13.96	86.0	15.46	99.6	18.75	106.4	20.54
	25	52.2	9.56	59.0	10.61	65.8	11.86	72.6	13.30	79.4	14.81	86.0	16.43	99.6	19.92	106.4	21.82
	27	52.2	9.91	59.0	11.12	65.8	12.57	72.6	14.10	79.4	15.72	86.0	17.42	99.6	21.16	106.4	23.18
	30	52.2	10.61	59.0	12.11	65.8	13.70	72.6	15.37	79.4	17.16	86.0	19.03	99.6	23.12	106.4	25.36
	33	52.2	11.49	59.0	13.14	65.8	14.89	72.6	16.74	79.4	18.69	86.0	20.76	99.6	25.27	106.4	27.72
	35	52.2	12.14	59.0	13.90	65.8	15.74	72.6	17.70	79.4	19.80	86.0	21.99	99.6	26.87	106.4	29.65
	37	52.2	12.80	59.0	14.67	65.8	16.65	72.6	18.73	79.4	20.94	86.0	23.34	99.6	28.77	106.4	31.77
	40	52.2	13.87	59.0	15.92	65.8	18.10	72.6	20.48	79.4	23.06	86.0	25.79	99.6	31.85	106.4	35.20
	43	52.2	15.09	59.0	17.42	65.8	19.91	72.6	22.58	79.4	25.42	86.0	28.46	99.6	35.23	106.4	39.00
	46	52.2	16.56	59.0	19.12	65.8	21.90	72.6	24.85	79.4	28.00	86.0	31.40	99.6	38.98	106.4	43.23
68.1 (60%)	10	44.6	7.72	50.5	8.51	56.2	9.31	62.1	10.10	68.1	10.90	73.8	11.69	85.4	13.28	91.3	14.10
	15	44.6	7.72	50.5	8.51	56.2	9.31	62.1	10.10	68.1	10.90	73.8	11.69	85.4	13.28	91.3	14.10
	21	44.6	7.86	50.5	8.68	56.2	9.48	62.1	10.30	68.1	11.12	73.8	12.05	85.4	14.41	91.3	15.69
	23	44.6	8.14	50.5	8.99	56.2	9.84	62.1	10.69	68.1	11.63	73.8	12.79	85.4	15.32	91.3	16.68
	25	44.6	8.43	50.5	9.31	56.2	10.21	62.1	11.15	68.1	12.32	73.8	13.59	85.4	16.26	91.3	17.70
	27	44.6	8.73	50.5	9.65	56.2	10.58	62.1	11.80	68.1	13.05	73.8	14.39	85.4	17.25	91.3	18.80
	30	44.6	9.19	50.5	10.24	56.2	11.52	62.1	12.85	68.1	14.24	73.8	15.69	85.4	18.84	91.3	20.54
	33	44.6	9.79	50.5	11.12	56.2	12.51	62.1	13.96	68.1	15.49	73.8	17.08	85.4	20.54	91.3	22.41
	35	44.6	10.33	50.5	11.72	56.2	13.20	62.1	14.75	68.1	16.37	73.8	18.08	85.4	21.76	91.3	23.74
	37	44.6	10.87	50.5	12.37	56.2	13.93	62.1	15.58	68.1	17.31	73.8	19.12	85.4	23.09	91.3	25.31
	40	44.6	11.77	50.5	13.39	56.2	15.12	62.1	16.91	68.1	18.87	73.8	20.96	85.4	25.50	91.3	27.97
	43	44.6	12.71	50.5	14.56	56.2	16.51	62.1	18.58	68.1	20.77	73.8	23.09	85.4	28.14	91.3	30.92
	46	44.6	13.90	50.5	15.95	56.2	18.12	62.1	20.40	68.1	22.84	73.8	25.42	85.4	31.06	91.3	34.15
56.8 (50%)	10	37.2	6.70	42.0	7.35	46.8	8.03	51.7	8.68	56.7	9.36	61.5	10.01	71.2	11.35	76.0	12.00
	15	37.2	6.70	42.0	7.35	46.8	8.03	51.7	8.68	56.7	9.36	61.5	10.01	71.2	11.35	76.0	12.00
	21	37.2	6.81	42.0	7.49	46.8	8.17	51.7	8.85	56.7	9.53	61.5	10.21	71.2	11.55	76.0	12.48
	23	37.2	7.04	42.0	7.75	46.8	8.46	51.7	9.17	56.7	9.88	61.5	10.58	71.2	12.26	76.0	13.25
	25	37.2	7.29	42.0	8.03	46.8	8.77	51.7	9.51	56.7	10.24	61.5	11.01	71.2	13.00	76.0	14.07
	27	37.2	7.54	42.0	8.31	46.8	9.08	51.7	9.85	56.7	10.64	61.5	11.66	71.2	13.79	76.0	14.92
	30	37.2	7.92	42.0	8.74	46.8	9.56	51.7	10.52	56.7	11.58	61.5	12.68	71.2	15.03	76.0	16.28
	33	37.2	8.32	42.0	9.22	46.8	10.30	51.7	11.41	56.7	12.57	61.5	13.79	71.2	16.37	76.0	17.73
	35	37.2	8.62	42.0	9.71	46.8	10.86	51.7	12.03	56.7	13.28	61.5	14.56	71.2	17.31	76.0	18.76
	37	37.2	9.08	42.0	10.24	46.8	11.44	51.7	12.71	56.7	14.02	61.5	15.38	71.2	18.30	76.0	19.86
	40	37.2	9.79	42.0	11.06	46.8	12.37	51.7	13.76	56.7	15.20	61.5	16.71	71.2	20.00	76.0	21.79
	43	37.2	10.55	42.0	11.94	46.8	13.42	51.7	14.98	56.7	16.62	61.5	18.33	71.2	22.02	76.0	24.00
	46	37.2	11.46	42.0	13.02	46.8	14.67	51.7	16.42	56.7	18.24	61.5	20.14	71.2	24.23	76.0	26.44

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳378LALHH

● Capacity : 120.0 kW (42HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
180.0 (150%)	10	118.2	17.91	133.8	20.01	149.1	22.11	164.4	25.53	173.1	27.51	176.4	27.75	183.3	28.23	186.6	28.47
	15	118.2	18.12	133.8	21.69	149.1	25.68	163.8	29.97	167.1	30.21	170.4	30.45	177.0	30.96	180.0	31.23
	21	118.2	21.93	133.8	26.25	149.1	31.14	156.6	33.21	159.6	33.48	162.9	33.72	168.9	34.26	172.2	34.56
	23	118.2	23.34	133.8	27.96	149.1	33.15	154.2	34.29	157.2	34.56	160.2	34.83	166.5	35.37	169.5	35.67
	25	118.2	24.81	133.8	29.73	148.8	35.10	151.8	35.37	154.8	35.64	157.8	35.94	163.8	36.48	166.8	36.78
	27	118.2	26.34	133.8	31.62	146.1	36.18	149.1	36.45	152.1	36.75	155.1	37.02	161.1	37.65	164.1	38.01
	30	118.2	28.83	133.8	34.65	142.5	38.01	145.5	38.37	148.2	38.73	151.2	39.09	157.2	39.81	160.2	40.17
	33	118.2	31.62	133.8	38.49	138.9	40.17	141.6	40.53	144.6	40.89	147.3	41.28	153.3	42.00	156.0	42.36
	35	118.2	33.90	133.5	41.25	136.5	41.61	139.2	41.97	141.9	42.36	144.9	42.72	150.6	43.44	153.3	43.80
	37	118.2	36.33	131.1	42.69	133.8	43.05	136.8	43.44	139.5	43.80	142.2	44.16	147.9	44.91	150.6	45.27
	40	118.2	40.29	127.5	44.85	130.2	45.24	132.9	45.60	135.6	45.99	138.3	46.35	144.0	47.07	146.7	47.46
	43	118.2	44.67	123.6	47.01	126.3	47.40	129.0	47.79	131.7	48.15	134.4	48.54	139.8	49.26	142.5	49.62
	46	117.3	48.81	120.0	49.20	122.4	49.56	125.1	49.95	127.8	50.34	130.5	50.70	135.9	51.45	138.6	51.81
168.0 (140%)	10	110.4	16.83	124.8	18.81	139.2	20.76	153.6	22.77	168.0	26.43	173.7	27.54	180.3	28.02	183.9	28.26
	15	110.4	16.83	124.8	19.56	139.2	23.04	153.6	26.91	164.7	30.00	167.7	30.27	174.3	30.75	177.3	31.02
	21	110.4	19.92	124.8	23.70	139.2	27.90	153.6	32.64	157.5	33.27	160.5	33.54	166.5	34.05	169.8	34.32
	23	110.4	21.18	124.8	25.20	139.2	29.70	152.1	34.08	155.1	34.35	158.1	34.62	164.1	35.16	167.1	35.43
	25	110.4	22.50	124.8	26.79	139.2	31.62	149.7	35.19	152.4	35.46	155.4	35.73	161.4	36.27	164.4	36.57
	27	110.4	23.88	124.8	28.47	139.2	33.63	147.0	36.27	150.0	36.54	153.0	36.84	158.7	37.41	161.7	37.74
	30	110.4	26.13	124.8	31.20	139.2	36.96	143.4	38.13	146.4	38.49	149.1	38.85	155.1	39.57	157.8	39.93
	33	110.4	28.56	124.8	34.38	137.1	39.93	139.8	40.29	142.5	40.65	145.5	41.01	151.2	41.73	153.9	42.09
	35	110.4	30.48	124.8	36.87	134.7	41.37	137.4	41.76	140.1	42.12	143.1	42.48	148.5	43.20	151.5	43.56
	37	110.4	32.64	124.8	39.54	132.3	42.84	135.0	43.20	137.7	43.56	140.4	43.92	146.1	44.67	148.8	45.03
	40	110.4	36.18	124.8	43.92	128.4	45.00	131.1	45.36	133.8	45.75	136.5	46.11	142.2	46.83	144.9	47.19
	43	110.4	40.05	122.1	46.80	124.8	47.19	127.5	47.55	130.2	47.94	132.6	48.30	138.0	49.02	140.7	49.38
	46	110.4	44.37	118.5	48.96	120.9	49.35	123.6	49.74	126.3	50.10	129.0	50.49	134.1	51.21	136.8	51.57
156.0 (130%)	10	102.6	15.75	115.8	17.58	129.3	19.41	142.5	21.21	156.0	23.34	169.2	26.79	177.3	27.81	180.6	28.02
	15	102.6	15.75	115.8	17.58	129.3	20.58	142.5	23.91	156.0	27.60	165.0	30.03	171.3	30.54	174.3	30.78
	21	102.6	18.00	115.8	21.30	129.3	24.93	142.5	28.98	154.8	33.06	157.8	33.30	163.8	33.84	166.8	34.08
	23	102.6	19.14	115.8	22.65	129.3	26.55	142.5	30.84	152.4	34.14	155.4	34.41	161.4	34.95	164.4	35.19
	25	102.6	20.34	115.8	24.06	129.3	28.23	142.5	32.82	150.3	35.22	153.0	35.49	159.0	36.06	161.7	36.33
	27	102.6	21.57	115.8	25.56	129.3	30.00	142.5	34.92	147.6	36.33	150.6	36.60	156.3	37.17	159.3	37.44
	30	102.6	23.58	115.8	27.99	129.3	32.85	141.3	37.86	144.0	38.22	147.0	38.55	152.7	39.27	155.4	39.63
	33	102.6	25.74	115.8	30.60	129.3	36.36	137.7	40.02	140.4	40.38	143.4	40.74	148.8	41.46	151.8	41.82
	35	102.6	27.33	115.8	32.82	129.3	39.03	135.3	41.49	138.0	41.85	140.7	42.21	146.4	42.93	149.1	43.26
	37	102.6	29.25	115.8	35.16	129.3	41.88	132.9	42.93	135.6	43.29	138.3	43.65	143.7	44.37	146.7	44.73
	40	102.6	32.37	115.8	38.97	126.6	44.76	129.3	45.12	132.0	45.48	134.7	45.84	140.1	46.56	142.8	46.92
	43	102.6	35.79	115.8	43.20	123.0	46.92	125.7	47.31	128.4	47.67	130.8	48.03	136.2	48.75	138.9	49.11
	46	102.6	39.57	115.8	47.91	119.4	49.11	121.8	49.50	124.5	49.86	127.2	50.22	132.3	50.97	135.0	51.33
144.0 (120%)	10	94.5	14.67	106.8	16.35	119.1	18.03	131.4	19.71	144.0	21.42	156.3	23.43	173.7	27.54	177.0	27.78
	15	94.5	14.67	106.8	16.35	119.1	18.33	131.4	21.15	144.0	24.27	156.3	27.69	168.0	30.27	171.0	30.51
	21	94.5	16.20	106.8	19.05	119.1	22.17	131.4	25.62	144.0	29.40	155.1	33.06	160.8	33.57	163.8	33.81
	23	94.5	17.22	106.8	20.25	119.1	23.61	131.4	27.27	144.0	31.32	152.7	34.14	158.4	34.68	161.4	34.92
	25	94.5	18.30	106.8	21.54	119.1	25.08	131.4	29.01	144.0	33.30	150.3	35.25	156.0	35.79	159.0	36.06
	27	94.5	19.41	106.8	22.86	119.1	26.64	131.4	30.84	144.0	35.43	147.9	36.33	153.6	36.90	156.3	37.17
	30	94.5	21.21	106.8	24.99	119.1	29.16	131.4	33.78	141.6	37.89	144.3	38.25	150.0	38.94	152.7	39.27
	33	94.5	23.13	106.8	27.30	119.1	32.01	131.4	37.47	138.0	40.08	141.0	40.44	146.4	41.13	149.1	41.49
	35	94.5	24.51	106.8	29.07	119.1	34.32	131.4	40.20	135.9	41.52	138.6	41.88	144.0	42.60	146.7	42.96
	37	94.5	26.07	106.8	31.11	119.1	36.78	130.8	42.63	133.5	42.99	136.2	43.35	141.3	44.07	144.0	44.40
	40	94.5	28.83	106.8	34.44	119.1	40.80	127.2	44.82	129.9	45.18	132.3	45.54	137.7	46.26	140.4	46.62
	43	94.5	31.83	106.8	38.13	119.1	45.24	123.6	47.01	126.3	47.37	128.7	47.73	133.8	48.45	136.5	48.81
	46	94.5	35.13	106.8	42.21	117.6	48.84	120.0	49.20	122.4	49.56	125.1	49.95	130.2	50.67	132.6	51.03
132.0 (110%)	10	86.7	13.59	98.1	15.15	109.2	16.68	120.6	18.21	132.0	19.77	143.1	21.30	165.6	25.86	172.8	27.48
	15	86.7	13.59	98.1	15.15	109.2	16.68	120.6	18.63	132.0	21.24	143.1	24.09	164.1	29.97	167.4	30.21
	21	86.7	14.52	98.1	16.95	109.2	19.62	120.6	22.53	132.0	25.71	143.1	29.19	157.5	33.27	160.2	33.51
	23	86.7	15.42	98.1	18.03	109.2	20.88	120.6	23.97	132.0	27.36	143.1	31.05	155.1	34.38	158.1	34.62
	25	86.7	16.38	98.1	19.14	109.2	22.17	120.6	25.50	132.0	29.10	143.1	33.06	152.7	35.49	155.7	35.73
	27	86.7	17.37	98.1	20.31	109.2	23.55	120.6	27.09	132.0	30.93	143.1	35.16	150.6	36.60	153.3	36.84
	30	86.7	18.96	98.1	22.20	109.2	25.77	120.6	29.64	132.0	33.90	141.6	37.89	147.0	38.55	149.7	38.91
	33	86.7	20.67	98.1	24.24	109.2	28.14	120.6	32.55	132.0	37.62	138.0	40.08	143.4	40.77	146.1	41.10
	35	86.7	21.87	98.1	25.68	109.2	30.03	120.6	34.92	132.0	40.38	135.9	41.52	141.0	42.24	143.7	42.57
	37	86.7	23.16	98.1	27.39	109.2	32.16	120.6	37.44	130.8	42.66	133.5	42.99	138.6	43.71	141.3	44.04
	40	86.7	25.53	98.1	30.30	109.2	35.61	120.6	41.52	127.5	44.85	129.9	45.21	135.0	45.90	137.7	46.26
	43	86.7	28.17	98.1	33.48	109.2	39.42	120.6	46.08	123.9	47.04	126.3	47.40	131.4	48.12	134.1	48.45
	46	86.7	31.05	98.1	36.99	109.2	43.65	117.9	48.87	120.3	49.23	122.7	49.62	127.8	50.31	130.2	50.67

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳378LALHH

● Capacity : 120.0 kW (42HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120.0 (100%)	10	78.9	12.51	89.1	13.92	99.3	15.33	109.5	16.71	120.0	18.12	130.2	19.53	150.6	22.32	160.8	24.60
	15	78.9	12.51	89.1	13.92	99.3	15.33	109.5	16.71	120.0	18.45	130.2	20.82	150.6	26.10	160.8	29.07
	21	78.9	12.93	89.1	15.00	99.3	17.25	109.5	19.71	120.0	22.35	130.2	25.20	150.6	31.65	156.3	33.18
	23	78.9	13.74	89.1	15.96	99.3	18.36	109.5	20.97	120.0	23.76	130.2	26.82	150.6	33.69	154.2	34.29
	25	78.9	14.58	89.1	16.92	99.3	19.50	109.5	22.26	120.0	25.26	130.2	28.53	149.1	35.13	151.8	35.40
	27	78.9	15.45	89.1	17.97	99.3	20.70	109.5	23.64	120.0	26.85	130.2	30.33	147.0	36.24	149.7	36.51
	30	78.9	16.83	89.1	19.62	99.3	22.62	109.5	25.86	120.0	29.40	130.2	33.21	143.4	38.13	146.1	38.46
	33	78.9	18.33	89.1	21.39	99.3	24.69	109.5	28.26	120.0	32.25	130.2	36.81	140.1	40.32	142.8	40.68
	35	78.9	19.41	89.1	22.65	99.3	26.16	109.5	30.15	120.0	34.59	130.2	39.48	137.7	41.79	140.4	42.15
	37	78.9	20.52	89.1	23.97	99.3	27.93	109.5	32.28	120.0	37.08	130.2	42.36	135.6	43.29	138.0	43.62
	40	78.9	22.50	89.1	26.49	99.3	30.90	109.5	35.76	120.0	41.13	126.9	44.79	132.0	45.48	134.7	45.84
	43	78.9	24.78	89.1	29.25	99.3	34.14	109.5	39.60	120.0	45.63	123.6	47.01	128.4	47.70	131.1	48.06
	46	78.9	27.27	89.1	32.25	99.3	37.74	109.5	43.86	117.6	48.87	120.0	49.23	125.1	49.92	127.5	50.28
108.0 (90%)	10	70.8	11.43	80.1	12.69	89.4	13.95	98.7	15.21	108.0	16.47	117.0	17.76	135.6	20.28	144.9	21.54
	15	70.8	11.43	80.1	12.69	89.4	13.95	98.7	15.21	108.0	16.47	117.0	17.85	135.6	22.14	144.9	24.51
	21	70.8	11.64	80.1	13.20	89.4	15.06	98.7	17.10	108.0	19.29	117.0	21.60	135.6	26.82	144.9	29.70
	23	70.8	12.15	80.1	14.01	89.4	16.02	98.7	18.18	108.0	20.49	117.0	22.98	135.6	28.53	144.9	31.62
	25	70.8	12.87	80.1	14.85	89.4	17.01	98.7	19.32	108.0	21.78	117.0	24.45	135.6	30.36	144.9	33.66
	27	70.8	13.65	80.1	15.75	89.4	18.03	98.7	20.49	108.0	23.13	117.0	25.95	135.6	32.28	144.9	35.82
	30	70.8	14.85	80.1	17.19	89.4	19.68	98.7	22.38	108.0	25.29	117.0	28.41	135.6	35.37	142.2	37.95
	33	70.8	16.17	80.1	18.72	89.4	21.48	98.7	24.45	108.0	27.63	117.0	31.11	135.6	39.39	138.9	40.17
	35	70.8	17.10	80.1	19.80	89.4	22.74	98.7	25.89	108.0	29.43	117.0	33.36	134.1	41.31	136.5	41.64
	37	70.8	18.06	80.1	20.97	89.4	24.09	98.7	27.66	108.0	31.53	117.0	35.73	132.0	42.78	134.4	43.11
	40	70.8	19.65	80.1	22.98	89.4	26.61	98.7	30.57	108.0	34.89	117.0	39.63	128.7	45.00	131.1	45.36
	43	70.8	21.63	80.1	25.35	89.4	29.37	98.7	33.78	108.0	38.61	117.0	43.92	125.1	47.22	127.5	47.58
	46	70.8	23.79	80.1	27.90	89.4	32.40	98.7	37.35	108.0	42.75	117.0	48.75	121.8	49.47	124.2	49.80
96.0 (80%)	10	63.0	10.35	71.1	11.46	79.5	12.60	87.6	13.71	96.0	14.85	104.1	15.96	120.6	18.21	128.7	19.32
	15	63.0	10.35	71.1	11.46	79.5	12.60	87.6	13.71	96.0	14.85	104.1	15.96	120.6	18.60	128.7	20.46
	21	63.0	10.56	71.1	11.70	79.5	13.05	87.6	14.70	96.0	16.47	104.1	18.36	120.6	22.50	128.7	24.78
	23	63.0	10.95	71.1	12.21	79.5	13.86	87.6	15.63	96.0	17.52	104.1	19.53	120.6	23.94	128.7	26.37
	25	63.0	11.34	71.1	12.93	79.5	14.70	87.6	16.59	96.0	18.60	104.1	20.73	120.6	25.47	128.7	28.05
	27	63.0	11.94	71.1	13.71	79.5	15.60	87.6	17.61	96.0	19.74	104.1	22.02	120.6	27.06	128.7	29.82
	30	63.0	12.99	71.1	14.94	79.5	17.01	87.6	19.20	96.0	21.57	104.1	24.06	120.6	29.61	128.7	32.67
	33	63.0	14.10	71.1	16.23	79.5	18.51	87.6	20.94	96.0	23.52	104.1	26.28	120.6	32.52	128.7	36.12
	35	63.0	14.91	71.1	17.16	79.5	19.59	87.6	22.17	96.0	24.93	104.1	27.93	120.6	34.86	128.7	38.76
	37	63.0	15.75	71.1	18.15	79.5	20.73	87.6	23.46	96.0	26.55	104.1	29.88	120.6	37.38	128.7	41.58
	40	63.0	17.07	71.1	19.77	79.5	22.71	87.6	25.92	96.0	29.34	104.1	33.06	120.6	41.46	126.9	44.76
	43	63.0	18.72	71.1	21.75	79.5	25.05	87.6	28.59	96.0	32.43	104.1	36.57	120.6	46.02	123.6	47.01
	46	63.0	20.55	71.1	23.91	79.5	27.57	87.6	31.53	96.0	35.82	104.1	40.47	117.9	48.90	120.3	49.23
84.0 (70%)	10	55.2	9.27	62.4	10.26	69.6	11.25	76.8	12.21	84.0	13.20	90.9	14.19	105.3	16.14	112.5	17.13
	15	55.2	9.27	62.4	10.26	69.6	11.25	76.8	12.21	84.0	13.20	90.9	14.19	105.3	16.14	112.5	17.13
	21	55.2	9.45	62.4	10.44	69.6	11.46	76.8	12.51	84.0	13.92	90.9	15.42	105.3	18.69	112.5	20.46
	23	55.2	9.78	62.4	10.83	69.6	11.88	76.8	13.29	84.0	14.79	90.9	16.38	105.3	19.86	112.5	21.75
	25	55.2	10.14	62.4	11.25	69.6	12.57	76.8	14.10	84.0	15.69	90.9	17.40	105.3	21.09	112.5	23.10
	27	55.2	10.50	62.4	11.79	69.6	13.32	76.8	14.94	84.0	16.65	90.9	18.45	105.3	22.41	112.5	24.54
	30	55.2	11.25	62.4	12.84	69.6	14.52	76.8	16.29	84.0	18.18	90.9	20.16	105.3	24.48	112.5	26.85
	33	55.2	12.18	62.4	13.92	69.6	15.78	76.8	17.73	84.0	19.80	90.9	21.99	105.3	26.76	112.5	29.34
	35	55.2	12.87	62.4	14.73	69.6	16.68	76.8	18.75	84.0	20.97	90.9	23.28	105.3	28.44	112.5	31.38
	37	55.2	13.56	62.4	15.54	69.6	17.64	76.8	19.83	84.0	22.17	90.9	24.72	105.3	30.45	112.5	33.63
	40	55.2	14.70	62.4	16.86	69.6	19.17	76.8	21.69	84.0	24.42	90.9	27.30	105.3	33.72	112.5	37.26
	43	55.2	15.99	62.4	18.45	69.6	21.09	76.8	23.91	84.0	26.91	90.9	30.12	105.3	37.29	112.5	41.28
	46	55.2	17.55	62.4	20.25	69.6	23.19	76.8	26.31	84.0	29.64	90.9	33.24	105.3	41.25	112.5	45.75
72.0 (60%)	10	47.1	8.19	53.4	9.03	59.4	9.87	65.7	10.71	72.0	11.55	78.0	12.39	90.3	14.07	96.6	14.94
	15	47.1	8.19	53.4	9.03	59.4	9.87	65.7	10.71	72.0	11.55	78.0	12.39	90.3	14.07	96.6	14.94
	21	47.1	8.34	53.4	9.21	59.4	10.05	65.7	10.92	72.0	11.79	78.0	12.78	90.3	15.27	96.6	16.62
	23	47.1	8.64	53.4	9.54	59.4	10.44	65.7	11.34	72.0	12.33	78.0	13.56	90.3	16.23	96.6	17.67
	25	47.1	8.94	53.4	9.87	59.4	10.83	65.7	11.82	72.0	13.05	78.0	14.40	90.3	17.22	96.6	18.75
	27	47.1	9.27	53.4	10.23	59.4	11.22	65.7	12.51	72.0	13.83	78.0	15.24	90.3	18.27	96.6	19.92
	30	47.1	9.75	53.4	10.86	59.4	12.21	65.7	13.62	72.0	15.09	78.0	16.62	90.3	19.95	96.6	21.75
	33	47.1	10.38	53.4	11.79	59.4	13.26	65.7	14.79	72.0	16.41	78.0	18.09	90.3	21.75	96.6	23.73
	35	47.1	10.95	53.4	12.42	59.4	13.98	65.7	15.63	72.0	17.34	78.0	19.14	90.3	23.04	96.6	25.14
	37	47.1	11.52	53.4	13.11	59.4	14.76	65.7	16.50	72.0	18.33	78.0	20.25	90.3	24.45	96.6	26.79
	40	47.1	12.48	53.4	14.19	59.4	16.02	65.7	17.91	72.0	19.98	78.0	22.20	90.3	27.00	96.6	29.61
	43	47.1	13.47	53.4	15.42	59.4	17.49	65.7	19.68	72.0	21.99	78.0	24.45	90.3	29.79	96.6	32.73
	46	47.1	14.73	53.4	16.89	59.4	19.20	65.7	21.60	72.0	24.18	78.0	26.91	90.3	32.88	96.6	36.15
60.0 (50%)	10	39.3	7.11	44.4	7.80	49.5	8.52	54.6	9.21	60.0	9.93	65.1	10.62	75.3	12.03	80.4	12.72
	15	39.3	7.11	44.4	7.80	49.5	8.52	54.6	9.21	60.0	9.93	65.1	10.62	75.3	12.03	80.4	12.72
	21	39.3	7.23	44.4	7.95	49.5	8.67	54.6	9.39	60.0	10.11	65.1	10.83	75.3	12.24	80.4	13.23
	23	39.3	7.47	44.4	8.22	49.5	8.97	54.6	9.72	60.0	10.47	65.1	11.22	75.3	12.99	80.4	14.04
	25	39.3	7.74	44.4	8.52	49.5	9.30	54.6	10.08	60.0	10.86	65.1	11.67	75.3	13.77	80.4	14.91
	27	39.3	8.01	44.4	8.82	49.5	9.63	54.6	10.44	60.0	11.28	65.1	12.36	75.3	14.61	80.4	15.81
	30	39.3	8.40	44.4	9.27	49.5	10.14	54.6	11.16	60.0	12.27	65.1	13.44	75.3	15.93	80.4	17.25
	33	39.3	8.82	44.4	9.78	49.5	10.92	54.6	12.09	60.0	13.32	65.1	14.61	75.3	17.34	80.4	18.78
	35	39.3	9.15	44.4	10.29	49.5	11.52	54.6	12.75	60.0	14.07	65.1	15.42	75.3	18.33	80.4	19.86
	37	39.3	9.63	44.4	10.86	49.5	12.12	54.6	13.47	60.0	14.85	65.1	16.29	75.3	19.38	80.4	21.03
	40	39.3	10.38	44.4	11.73	49.5	13.11	54.6	14.58	60.0	16.11	65.1	17.70	75.3	21.18	80.4	23.07
	43	39.3	11.19	44.4	12.66	49.5	14.22	54.6	15.87	60.0	17.61	65.1	19.41	75.3	23.31	80.4	25.41
	46	39.3	12.15	44.4	13.80	49.5	15.54	54.6	17.40	60.0	19.32	65.1	21.33	75.3	25.65	80.4	27.99

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳396LALHH

● Capacity : 125.0 kW (44HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
187.5 (150%)	10	123.2	19.21	139.3	21.48	155.3	23.75	171.3	27.37	180.4	29.53	183.9	29.79	191.0	30.30	194.5	30.56
	15	123.2	19.40	139.3	23.25	155.3	27.55	170.7	32.20	174.2	32.46	177.6	32.72	184.4	33.27	187.6	33.55
	21	123.2	23.52	139.3	28.19	155.3	33.45	163.2	35.71	166.3	36.00	169.7	36.27	176.1	36.85	179.4	37.16
	23	123.2	25.04	139.3	30.03	155.3	35.63	160.7	36.88	163.8	37.17	167.0	37.47	173.5	38.05	176.6	38.37
	25	123.2	26.64	139.3	31.95	155.1	37.76	158.1	38.06	161.2	38.35	164.4	38.67	170.6	39.26	173.8	39.57
	27	123.2	28.30	139.3	33.99	152.3	38.93	155.4	39.23	158.5	39.55	161.6	39.84	167.8	40.51	170.9	40.90
	30	123.2	30.99	139.3	37.27	148.5	40.91	151.6	41.30	154.4	41.69	157.5	42.08	163.7	42.86	166.9	43.25
	33	123.2	34.01	139.3	41.44	144.7	43.26	147.5	43.65	150.6	44.04	153.5	44.45	159.7	45.23	162.5	45.62
	35	123.2	36.48	139.1	44.43	142.1	44.82	145.0	45.21	147.9	45.63	150.9	46.02	156.9	46.80	159.7	47.19
	37	123.2	39.12	136.6	45.99	139.4	46.39	142.4	46.80	145.3	47.19	148.1	47.58	154.1	48.38	156.9	48.77
	40	123.2	43.42	132.7	48.34	135.6	48.75	138.4	49.15	141.2	49.56	144.1	49.95	149.9	50.73	152.8	51.14
	43	123.2	48.19	128.7	50.68	131.5	51.10	134.3	51.51	137.1	51.91	140.0	52.32	145.6	53.11	148.4	53.49
	46	122.1	52.63	124.9	53.05	127.5	53.45	130.3	53.86	133.1	54.28	135.9	54.67	141.5	55.48	144.3	55.87
175.0 (140%)	10	115.0	18.05	130.0	20.18	145.0	22.29	160.0	24.44	175.0	28.34	181.1	29.57	188.0	30.08	191.6	30.34
	15	115.0	18.05	130.0	20.96	145.0	24.70	160.0	28.88	171.6	32.24	174.8	32.52	181.6	33.05	184.8	33.33
	21	115.0	21.35	130.0	25.43	145.0	29.97	160.0	35.07	164.1	35.78	167.2	36.07	173.5	36.62	176.9	36.91
	23	115.0	22.71	130.0	27.06	145.0	31.92	158.4	36.66	161.6	36.95	164.7	37.24	171.0	37.83	174.1	38.12
	25	115.0	24.14	130.0	28.78	145.0	33.99	155.9	37.86	158.8	38.15	162.0	38.44	168.2	39.03	171.3	39.34
	27	115.0	25.64	130.0	30.60	145.0	36.16	153.2	39.03	156.3	39.33	159.4	39.64	165.4	40.25	168.5	40.61
	30	115.0	28.07	130.0	33.54	145.0	39.78	149.4	41.04	152.5	41.43	155.4	41.82	161.5	42.59	164.4	42.98
	33	115.0	30.70	130.0	37.00	142.8	43.00	145.6	43.39	148.5	43.78	151.6	44.17	157.5	44.94	160.4	45.33
	35	115.0	32.79	130.0	39.70	140.3	44.57	143.1	44.98	146.0	45.37	149.0	45.76	154.7	46.53	157.8	46.92
	37	115.0	35.13	130.0	42.60	137.8	46.15	140.6	46.54	143.4	46.93	146.2	47.32	152.1	48.12	155.0	48.51
	40	115.0	38.96	130.0	47.35	133.8	48.50	136.6	48.89	139.4	49.30	142.2	49.70	148.0	50.48	150.9	50.86
	43	115.0	43.17	127.2	50.45	130.0	50.87	132.7	51.26	135.5	51.68	138.1	52.07	143.8	52.85	146.6	53.24
	46	115.0	47.87	123.4	52.80	125.9	53.22	128.7	53.63	131.5	54.03	134.3	54.44	139.6	55.22	142.4	55.61
162.5 (130%)	10	106.9	16.88	120.7	18.85	134.7	20.83	148.5	22.78	162.5	25.02	176.3	28.73	184.8	29.85	188.2	30.09
	15	106.9	16.88	120.7	18.85	134.7	22.06	148.5	25.64	162.5	29.62	172.0	32.27	178.5	32.81	181.7	33.07
	21	106.9	19.28	120.7	22.84	134.7	26.76	148.5	31.13	161.3	35.55	164.5	35.82	170.7	36.39	173.9	36.66
	23	106.9	20.51	120.7	24.30	134.7	28.51	148.5	33.15	158.8	36.72	162.0	37.01	168.2	37.59	171.3	37.86
	25	106.9	21.81	120.7	25.83	134.7	30.33	148.5	35.29	156.5	37.90	159.4	38.19	165.6	38.79	168.5	39.08
	27	106.9	23.15	120.7	27.46	134.7	32.25	148.5	37.56	153.8	39.09	156.9	39.39	162.9	40.00	166.0	40.29
	30	106.9	25.32	120.7	30.08	134.7	35.34	147.2	40.75	150.1	41.14	153.1	41.50	159.1	42.27	161.9	42.66
	33	106.9	27.66	120.7	32.91	134.7	39.14	143.5	43.10	146.3	43.49	149.3	43.88	155.0	44.65	158.1	45.03
	35	106.9	29.37	120.7	35.31	134.7	42.04	141.0	44.69	143.8	45.08	146.6	45.46	152.5	46.24	155.3	46.60
	37	106.9	31.46	120.7	37.85	134.7	45.13	138.4	46.25	141.3	46.64	144.1	47.03	149.7	47.81	152.8	48.19
	40	106.9	34.84	120.7	41.99	131.9	48.23	134.7	48.63	137.5	49.02	140.3	49.41	145.9	50.18	148.7	50.57
	43	106.9	38.55	120.7	46.58	128.1	50.59	130.9	51.00	133.7	51.39	136.2	51.78	141.8	52.56	144.6	52.95
	46	106.9	42.66	120.7	51.72	124.3	52.96	126.9	53.37	129.6	53.76	132.4	54.16	137.7	54.96	140.5	55.34
150.0 (120%)	10	98.5	15.71	111.3	17.53	124.1	19.34	136.9	21.16	150.0	23.00	162.8	25.11	181.0	29.57	184.5	29.82
	15	98.5	15.71	111.3	17.53	124.1	19.63	136.9	22.67	150.0	26.03	162.8	29.71	175.1	32.53	178.2	32.78
	21	98.5	17.34	111.3	20.42	124.1	23.79	136.9	27.50	150.0	31.58	161.6	35.55	167.6	36.10	170.7	36.37
	23	98.5	18.45	111.3	21.72	124.1	25.33	136.9	29.29	150.0	33.65	159.1	36.73	165.1	37.30	168.2	37.57
	25	98.5	19.61	111.3	23.10	124.1	26.93	136.9	31.17	150.0	35.81	156.6	37.92	162.6	38.50	165.6	38.79
	27	98.5	20.81	111.3	24.54	124.1	28.62	136.9	33.15	150.0	38.12	154.1	39.10	160.0	39.71	162.9	40.00
	30	98.5	22.75	111.3	26.84	124.1	31.35	136.9	36.34	147.5	40.79	150.4	41.17	156.3	41.92	159.1	42.28
	33	98.5	24.84	111.3	29.34	124.1	34.43	136.9	40.34	143.8	43.16	146.8	43.55	152.5	44.29	155.3	44.68
	35	98.5	26.33	111.3	31.25	124.1	36.93	136.9	43.31	141.5	44.73	144.3	45.12	150.0	45.89	152.8	46.27
	37	98.5	28.02	111.3	33.47	124.1	39.61	136.2	45.93	139.0	46.32	141.8	46.71	147.2	47.48	150.0	47.84
	40	98.5	31.01	111.3	37.09	124.1	43.97	132.5	48.31	135.3	48.69	137.8	49.08	143.4	49.86	146.2	50.24
	43	98.5	34.26	111.3	41.09	124.1	48.80	128.7	50.68	131.5	51.07	134.0	51.46	139.4	52.24	142.2	52.62
	46	98.5	37.85	111.3	45.52	122.4	52.66	125.0	53.06	127.5	53.45	130.2	53.86	135.5	54.64	138.1	55.02
137.5 (110%)	10	90.3	14.55	102.2	16.22	113.8	17.88	125.6	19.54	137.5	21.22	149.1	22.88	172.5	27.73	180.1	29.51
	15	90.3	14.55	102.2	16.22	113.8	17.88	125.6	19.95	137.5	22.76	149.1	25.83	171.1	32.21	174.4	32.46
	21	90.3	15.53	102.2	18.15	113.8	21.03	125.6	24.17	137.5	27.60	149.1	31.35	164.1	35.78	167.0	36.04
	23	90.3	16.50	102.2	19.32	113.8	22.39	125.6	25.73	137.5	29.39	149.1	33.37	161.6	36.98	164.7	37.24
	25	90.3	17.54	102.2	20.52	113.8	23.79	125.6	27.38	137.5	31.27	149.1	35.54	159.1	38.18	162.2	38.45
	27	90.3	18.61	102.2	21.79	113.8	25.28	125.6	29.10	137.5	33.26	149.1	37.82	156.9	39.38	159.7	39.65
	30	90.3	20.33	102.2	23.83	113.8	27.68	125.6	31.87	137.5	36.47	147.5	40.78	153.1	41.50	155.9	41.88
	33	90.3	22.18	102.2	26.03	113.8	30.25	125.6	35.02	137.5	40.50	143.8	43.16	149.4	43.90	152.2	44.26
	35	90.3	23.48	102.2	27.60	113.8	32.29	125.6	37.59	137.5	43.49	141.5	44.73	146.9	45.49	149.7	45.86
	37	90.3	24.87	102.2	29.45	113.8	34.60	125.6	40.32	136.3	45.96	139.0	46.32	144.4	47.09	147.2	47.45
	40	90.3	27.45	102.2	32.60	113.8	38.35	125.6	44.75	132.7	48.33	135.3	48.72	140.6	49.47	143.4	49.85
	43	90.3	30.31	102.2	36.05	113.8	42.49	125.6	49.71	129.0	50.71	131.5	51.10	136.8	51.87	139.6	52.24
	46	90.3	33.43	102.2	39.86	113.8	47.09	122.7	52.70	125.3	53.09	127.8	53.50	133.0	54.26	135.6	54.64

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

COOLING CAPACITY

■ MODEL : AJ✳396LALHH

● Capacity : 125.0 kW (44HP)

Total rated cooling capacity of indoor unit	Outdoor temperature	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
	(°CDB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
125.0 (100%)	10	82.2	13.38	92.8	14.90	103.5	16.42	114.1	17.92	125.0	19.44	135.6	20.96	156.9	23.98	167.5	26.37
	15	82.2	13.38	92.8	14.90	103.5	16.42	114.1	17.92	125.0	19.76	135.6	22.31	156.9	28.01	167.5	31.21
	21	82.2	13.81	92.8	16.05	103.5	18.48	114.1	21.12	125.0	23.97	135.6	27.05	156.9	34.01	162.9	35.68
	23	82.2	14.69	92.8	17.08	103.5	19.67	114.1	22.48	125.0	25.50	135.6	28.80	156.9	36.22	160.6	36.88
	25	82.2	15.59	92.8	18.13	103.5	20.90	114.1	23.89	125.0	27.13	135.6	30.65	155.4	37.80	158.2	38.08
	27	82.2	16.54	92.8	19.26	103.5	22.20	114.1	25.38	125.0	28.84	135.6	32.60	153.1	39.00	155.9	39.29
	30	82.2	18.03	92.8	21.04	103.5	24.28	114.1	27.78	125.0	31.60	135.6	35.73	149.4	41.04	152.2	41.40
	33	82.2	19.66	92.8	22.95	103.5	26.52	114.1	30.38	125.0	34.70	135.6	39.62	145.9	43.43	148.7	43.80
	35	82.2	20.82	92.8	24.32	103.5	28.11	114.1	32.43	125.0	37.23	135.6	42.53	143.5	45.02	146.2	45.40
	37	82.2	22.03	92.8	25.76	103.5	30.03	114.1	34.74	125.0	39.93	135.6	45.65	141.2	46.64	143.8	47.00
	40	82.2	24.16	92.8	28.48	103.5	33.25	114.1	38.51	125.0	44.33	132.2	48.28	137.5	49.02	140.2	49.40
	43	82.2	26.64	92.8	31.47	103.5	36.77	114.1	42.68	125.0	49.22	128.7	50.68	133.8	51.43	136.5	51.81
	46	82.2	29.34	92.8	34.72	103.5	40.68	114.1	47.31	122.5	52.70	125.0	53.08	130.2	53.83	132.7	54.22
112.5 (90%)	10	73.8	12.21	83.5	13.57	93.1	14.94	102.8	16.30	112.5	17.66	121.9	19.04	141.2	21.77	150.9	23.13
	15	73.8	12.21	83.5	13.57	93.1	14.94	102.8	16.30	112.5	17.66	121.9	19.11	141.2	23.73	150.9	26.29
	21	73.8	12.44	83.5	14.10	93.1	16.12	102.8	18.31	112.5	20.67	121.9	23.17	141.2	28.79	150.9	31.91
	23	73.8	12.97	83.5	14.98	93.1	17.15	102.8	19.48	112.5	21.98	121.9	24.66	141.2	30.65	150.9	33.99
	25	73.8	13.75	83.5	15.90	93.1	18.22	102.8	20.71	112.5	23.37	121.9	26.24	141.2	32.63	150.9	36.19
	27	73.8	14.59	83.5	16.87	93.1	19.33	102.8	21.98	112.5	24.83	121.9	27.88	141.2	34.71	150.9	38.53
	30	73.8	15.90	83.5	18.42	93.1	21.11	102.8	24.03	112.5	27.16	121.9	30.53	141.2	38.06	148.1	40.85
	33	73.8	17.32	83.5	20.07	93.1	23.05	102.8	26.26	112.5	29.70	121.9	33.46	141.2	42.42	144.6	43.26
	35	73.8	18.32	83.5	21.25	93.1	24.42	102.8	27.83	112.4	31.65	121.9	35.89	139.7	44.50	142.2	44.85
	37	73.8	19.37	83.5	22.50	93.1	25.88	102.8	29.74	112.5	33.92	121.9	38.47	137.4	46.09	140.0	46.45
	40	73.8	21.09	83.5	24.69	93.1	28.61	102.8	32.90	112.5	37.57	121.9	42.70	134.0	48.50	136.5	48.88
	43	73.8	23.23	83.5	27.25	93.1	31.61	102.8	36.38	112.5	41.62	121.9	47.37	130.3	50.91	132.8	51.29
	46	73.8	25.57	83.5	30.02	93.1	34.89	102.8	40.25	112.5	46.12	121.9	52.58	126.8	53.34	129.3	53.70
100.0 (80%)	10	65.6	11.04	74.1	12.25	82.8	13.47	91.3	14.68	100.0	15.90	108.4	17.11	125.6	19.53	134.1	20.74
	15	65.6	11.04	74.1	12.25	82.8	13.47	91.3	14.68	100.0	15.90	108.4	17.11	125.6	19.92	134.1	21.93
	21	65.6	11.27	74.1	12.50	82.8	13.94	91.3	15.73	100.0	17.64	108.4	19.67	125.6	24.14	134.1	26.60
	23	65.6	11.69	74.1	13.04	82.8	14.82	91.3	16.73	100.0	18.76	108.4	20.93	125.6	25.70	134.1	28.32
	25	65.6	12.12	74.1	13.82	82.8	15.73	91.3	17.77	100.0	19.94	108.4	22.24	125.6	27.35	134.1	30.14
	27	65.6	12.75	74.1	14.66	82.8	16.70	91.3	18.87	100.0	21.17	108.4	23.63	125.6	29.07	134.1	32.05
	30	65.6	13.89	74.1	15.99	82.8	18.22	91.3	20.59	100.0	23.14	108.4	25.84	125.6	31.83	134.1	35.14
	33	65.6	15.09	74.1	17.39	82.8	19.85	91.3	22.47	100.0	25.26	108.4	28.24	125.6	34.98	134.1	38.88
	35	65.6	15.96	74.1	18.40	82.8	21.02	91.3	23.80	100.0	26.78	108.4	30.02	125.6	37.53	134.1	41.75
	37	65.6	16.87	74.1	19.46	82.8	22.25	91.3	25.20	100.0	28.54	108.4	32.14	125.6	40.26	134.1	44.81
	40	65.6	18.30	74.1	21.22	82.8	24.40	91.3	27.86	100.0	31.57	108.4	35.60	125.6	44.69	132.1	48.24
	43	65.6	20.08	74.1	23.36	82.8	26.92	91.3	30.76	100.0	34.91	108.4	39.40	125.6	49.64	128.7	50.68
	46	65.6	22.06	74.1	25.70	82.8	29.66	91.3	33.94	100.0	38.59	108.4	43.64	122.8	52.73	125.3	53.09
87.5 (70%)	10	57.5	9.88	65.0	10.94	72.5	12.01	80.0	13.06	87.5	14.12	94.7	15.19	109.7	17.30	117.2	18.37
	15	57.5	9.88	65.0	10.94	72.5	12.01	80.0	13.06	87.5	14.12	94.7	15.19	109.7	17.30	117.2	18.37
	21	57.5	10.07	65.0	11.14	72.5	12.24	80.0	13.36	87.5	14.89	94.7	16.50	109.7	20.02	117.2	21.93
	23	57.5	10.43	65.0	11.57	72.5	12.70	80.0	14.20	87.5	15.82	94.7	17.54	109.7	21.29	117.2	23.33
	25	57.5	10.82	65.0	12.01	72.5	13.43	80.0	15.08	87.5	16.80	94.7	18.64	109.7	22.63	117.2	24.80
	27	57.5	11.21	65.0	12.59	72.5	14.24	80.0	15.99	87.5	17.84	94.7	19.78	109.7	24.05	117.2	26.35
	30	57.5	12.00	65.0	13.72	72.5	15.53	80.0	17.45	87.5	19.48	94.7	21.63	109.7	26.30	117.2	28.85
	33	57.5	13.02	65.0	14.90	72.5	16.90	80.0	19.01	87.5	21.24	94.7	23.60	109.7	28.76	117.2	31.55
	35	57.5	13.76	65.0	15.76	72.5	17.87	80.0	20.11	87.5	22.50	94.7	25.00	109.7	30.58	117.2	33.76
	37	57.5	14.51	65.0	16.65	72.5	18.91	80.0	21.28	87.5	23.81	94.7	26.56	109.7	32.76	117.2	36.20
	40	57.5	15.74	65.0	18.07	72.5	20.57	80.0	23.30	87.5	26.24	94.7	29.36	109.7	36.30	117.2	40.14
	43	57.5	17.14	65.0	19.80	72.5	22.65	80.0	25.69	87.5	28.94	94.7	32.42	109.7	40.18	117.2	44.50
	46	57.5	18.82	65.0	21.75	72.5	24.92	80.0	28.29	87.5	31.91	94.7	35.80	109.7	44.49	117.2	49.37
75.0 (60%)	10	49.1	8.71	55.6	9.62	61.9	10.53	68.4	11.44	75.0	12.34	81.3	13.25	94.1	15.07	100.6	16.00
	15	49.1	8.71	55.6	9.62	61.9	10.53	68.4	11.44	75.0	12.34	81.3	13.25	94.1	15.07	100.6	16.00
	21	49.1	8.87	55.6	9.81	61.9	10.72	68.4	11.66	75.0	12.60	81.3	13.65	94.1	16.34	100.6	17.79
	23	49.1	9.19	55.6	10.17	61.9	11.14	68.4	12.11	75.0	13.17	81.3	14.50	94.1	17.37	100.6	18.93
	25	49.1	9.52	55.6	10.53	61.9	11.56	68.4	12.62	75.0	13.95	81.3	15.40	94.1	18.45	100.6	20.10
	27	49.1	9.87	55.6	10.92	61.9	11.98	68.4	13.36	75.0	14.80	81.3	16.32	94.1	19.59	100.6	21.36
	30	49.1	10.39	55.6	11.59	61.9	13.04	68.4	14.56	75.0	16.15	81.3	17.81	94.1	21.40	100.6	23.34
	33	49.1	11.08	55.6	12.59	61.9	14.18	68.4	15.83	75.0	17.58	81.3	19.40	94.1	23.35	100.6	25.48
	35	49.1	11.69	55.6	13.28	61.9	14.96	68.4	16.74	75.0	18.59	81.3	20.54	94.1	24.75	100.6	27.01
	37	49.1	12.31	55.6	14.02	61.9	15.81	68.4	17.69	75.0	19.66	81.3	21.74	94.1	26.27	100.6	28.80
	40	49.1	13.34	55.6	15.19	61.9	17.16	68.4	19.21	75.0	21.44	81.3	23.84	94.1	29.03	100.6	31.86
	43	49.1	14.42	55.6	16.52	61.9	18.76	68.4	21.12	75.0	23.62	81.3	26.28	94.1	32.06	100.6	35.24
	46	49.1	15.78	55.6	18.11	61.9	20.60	68.4	23.21	75.0	25.99	81.3	28.95	94.1	35.41	100.6	38.95
62.5 (50%)	10	41.0	7.54	46.3	8.29	51.6	9.06	56.9	9.81	62.5	10.58	67.8	11.33	78.4	12.86	83.7	13.61
	15	41.0	7.54	46.3	8.29	51.6	9.06	56.9	9.81	62.5	10.58	67.8	11.33	78.4	12.86	83.7	13.61
	21	41.0	7.67	46.3	8.45	51.6	9.23	56.9	10.00	62.5	10.78	67.8	11.56	78.4	13.09	83.7	14.14
	23	41.0	7.94	46.3	8.75	51.6	9.56	56.9	10.37	62.5	11.18	67.8	11.99	78.4	13.88	83.7	15.02
	25	41.0	8.22	46.3	9.07	51.6	9.91	56.9	10.75	62.5	11.60	67.8	12.46	78.4	14.73	83.7	15.95
	27	41.0	8.51	46.3	9.39	51.6	10.27	56.9	11.14	62.5	12.04	67.8	13.20	78.4	15.63	83.7	16.93
	30	41.0	8.94	46.3	9.88	51.6	10.82	56.9	11.91	62.5	13.11	67.8	14.37	78.4	17.06	83.7	18.48
	33	41.0	9.39	46.3	10.42	51.6	11.65	56.9	12.92	62.5	14.25	67.8	15.64	78.4	18.58	83.7	20.14
	35	41.0	9.74	46.3	10.98	51.6	12.30	56.9	13.64	62.5	15.06	67.8	16.52	78.4	19.66	83.7	21.31
	37	41.0	10.26	46.3	11.59	51.6	12.96	56.9	14.41	62.5	15.90	67.8	17.46	78.4	20.79	83.7	22.57
	40	41.0	11.07	46.3	12.53	51.6	14.03	56.9	15.61	62.5	17.26	67.8	18.98	78.4	22.74	83.7	24.78
	43	41.0	11.95	46.3	13.54	51.6	15.22	56.9	17.00	62.5	18.88	67.8	20.83	78.4	25.05	83.7	27.32
	46	41.0	12.99	46.3	14.77	51.6	16.66	56.9	18.66	62.5	20.73	67.8	22.91	78.4	27.59	83.7	30.12

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

2-5. CAPACITY TABLE HEATING (OUTDOOR UNIT)

2-5-1. SPACE SAVING COMBINATION

HEATING CAPACITY

■ MODEL : AJ∗A72LALH

● Capacity : 25.0 kW (8HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
37.5 (150%)	-19.3	-20.0	13.1	3.86	13.0	4.01	12.9	4.16	12.9	4.24	12.9	4.32	12.8	4.47	12.8	4.62
	-15.0	-16.0	15.2	4.09	15.2	4.24	15.1	4.40	15.1	4.48	15.0	4.55	14.9	4.71	14.9	4.87
	-12.0	-13.0	17.0	4.26	16.9	4.42	16.8	4.57	16.7	4.65	16.7	4.73	16.6	4.89	16.5	5.05
	-9.0	-10.0	18.7	4.43	18.6	4.59	18.5	4.75	18.5	4.83	18.4	4.91	18.3	5.07	18.2	5.23
	-7.0	-8.0	20.0	4.54	19.8	4.70	19.7	4.87	19.7	4.95	19.6	5.03	19.5	5.19	19.4	5.35
	-5.0	-6.0	21.2	4.66	21.1	4.82	20.9	4.98	20.9	5.06	20.8	5.15	20.7	5.31	20.5	5.47
	-3.0	-4.0	22.4	4.77	22.3	4.93	22.2	5.10	22.1	5.18	22.0	5.26	21.9	5.43	21.7	5.59
	-1.0	-2.0	23.7	4.88	23.6	5.05	23.4	5.22	23.3	5.30	23.2	5.38	23.1	5.55	22.9	5.72
	0.0	-1.0	24.4	4.94	24.2	5.11	24.0	5.27	24.0	5.36	23.9	5.44	23.7	5.61	23.5	5.78
	2.0	1.0	25.7	5.06	25.5	5.22	25.3	5.39	25.2	5.48	25.1	5.56	24.9	5.73	24.8	5.90
	5.0	4.0	27.7	5.23	27.5	5.40	27.3	5.57	27.2	5.66	27.1	5.74	26.9	5.91	26.7	6.09
	7.0	6.0	29.0	5.34	28.8	5.52	28.6	5.69	28.4	5.78	28.3	5.86	28.1	6.04	27.9	6.21
	9.0	7.8	30.1	5.45	29.9	5.62	29.7	5.80	29.6	5.88	29.4	5.97	29.2	6.15	29.0	6.32
	12.0	10.6	32.0	5.61	31.7	5.79	31.4	5.97	31.3	6.06	31.2	6.14	30.9	6.32	30.0	6.28
	15.0	13.5	33.8	5.78	33.5	5.96	33.3	6.14	33.1	6.23	33.0	6.32	32.5	6.44	30.0	5.91
35.0 (140%)	-19.3	-20.0	13.0	3.92	13.0	4.07	12.9	4.22	12.9	4.30	12.9	4.37	12.8	4.53	12.7	4.68
	-15.0	-16.0	15.2	4.16	15.1	4.31	15.1	4.47	15.0	4.55	15.0	4.62	14.9	4.78	14.8	4.93
	-12.0	-13.0	16.9	4.34	16.8	4.49	16.7	4.65	16.7	4.73	16.6	4.81	16.6	4.97	16.5	5.12
	-9.0	-10.0	18.7	4.52	18.6	4.68	18.5	4.83	18.4	4.91	18.4	4.99	18.2	5.15	18.1	5.31
	-7.0	-8.0	19.9	4.64	19.8	4.80	19.6	4.96	19.6	5.04	19.5	5.12	19.4	5.28	19.3	5.44
	-5.0	-6.0	21.1	4.76	21.0	4.92	20.8	5.08	20.8	5.16	20.7	5.24	20.6	5.41	20.4	5.57
	-3.0	-4.0	22.4	4.88	22.2	5.04	22.1	5.20	22.0	5.29	21.9	5.37	21.8	5.53	21.6	5.70
	-1.0	-2.0	23.6	5.00	23.5	5.16	23.3	5.33	23.2	5.41	23.1	5.49	23.0	5.66	22.8	5.83
	0.0	-1.0	24.3	5.06	24.1	5.22	23.9	5.39	23.8	5.47	23.8	5.56	23.6	5.72	23.4	5.89
	2.0	1.0	25.5	5.18	25.4	5.35	25.2	5.51	25.1	5.60	25.0	5.68	24.8	5.85	24.6	6.02
	5.0	4.0	27.6	5.36	27.4	5.53	27.2	5.70	27.0	5.79	26.9	5.87	26.7	6.05	26.5	6.22
	7.0	6.0	28.8	5.49	28.6	5.66	28.4	5.83	28.3	5.92	28.2	6.00	27.9	6.17	27.7	6.35
	9.0	7.8	29.9	5.60	29.7	5.77	29.5	5.94	29.4	6.03	29.2	6.12	29.0	6.29	28.0	6.20
	12.0	10.6	31.7	5.77	31.5	5.95	31.2	6.12	31.1	6.21	30.9	6.30	30.3	6.36	28.0	5.83
	15.0	13.5	33.6	5.96	33.3	6.13	33.0	6.31	32.8	6.40	32.7	6.48	30.3	5.98	28.0	5.49
32.5 (130%)	-19.3	-20.0	13.0	3.98	13.0	4.14	12.9	4.29	12.9	4.36	12.8	4.44	12.8	4.59	12.7	4.75
	-15.0	-16.0	15.2	4.24	15.1	4.39	15.0	4.55	15.0	4.62	14.9	4.70	14.9	4.86	14.8	5.01
	-12.0	-13.0	16.9	4.43	16.8	4.58	16.7	4.74	16.6	4.82	16.6	4.90	16.5	5.05	16.4	5.21
	-9.0	-10.0	18.6	4.62	18.5	4.77	18.4	4.93	18.3	5.01	18.3	5.09	18.2	5.25	18.1	5.41
	-7.0	-8.0	19.8	4.74	19.7	4.90	19.6	5.06	19.5	5.14	19.4	5.22	19.3	5.38	19.2	5.55
	-5.0	-6.0	21.0	4.87	20.9	5.03	20.8	5.19	20.7	5.27	20.6	5.36	20.5	5.52	20.4	5.68
	-3.0	-4.0	22.2	5.00	22.1	5.16	22.0	5.32	21.9	5.41	21.8	5.49	21.7	5.65	21.5	5.82
	-1.0	-2.0	23.5	5.13	23.3	5.29	23.2	5.46	23.1	5.54	23.0	5.62	22.9	5.79	22.7	5.95
	0.0	-1.0	24.1	5.19	24.0	5.36	23.8	5.52	23.7	5.60	23.6	5.69	23.5	5.85	23.3	6.02
	2.0	1.0	25.4	5.32	25.2	5.49	25.0	5.65	24.9	5.74	24.8	5.82	24.7	5.99	24.5	6.16
	5.0	4.0	27.4	5.52	27.2	5.69	27.0	5.86	26.9	5.94	26.8	6.02	26.6	6.19	26.0	6.24
	7.0	6.0	28.6	5.65	28.4	5.82	28.2	5.99	28.1	6.08	27.9	6.16	27.7	6.33	26.0	5.96
	9.0	7.8	29.7	5.77	29.5	5.94	29.3	6.11	29.1	6.20	29.0	6.29	28.2	6.24	26.0	5.73
	12.0	10.6	31.5	5.96	31.2	6.13	30.9	6.30	30.8	6.39	30.3	6.36	28.2	5.87	26.0	5.39
	15.0	13.5	33.2	6.15	33.0	6.33	32.5	6.44	31.4	6.21	30.3	5.98	28.2	5.52	26.0	5.08
30.0 (120%)	-19.3	-20.0	13.0	4.06	12.9	4.21	12.9	4.37	12.8	4.44	12.8	4.52	12.7	4.67	12.7	4.82
	-15.0	-16.0	15.1	4.33	15.1	4.48	15.0	4.64	14.9	4.72	14.9	4.79	14.8	4.95	14.7	5.10
	-12.0	-13.0	16.8	4.53	16.7	4.69	16.6	4.84	16.6	4.92	16.5	5.00	16.4	5.16	16.3	5.31
	-9.0	-10.0	18.5	4.73	18.4	4.89	18.3	5.05	18.3	5.13	18.2	5.21	18.1	5.37	18.0	5.52
	-7.0	-8.0	19.7	4.87	19.6	5.03	19.5	5.19	19.4	5.27	19.4	5.35	19.2	5.51	19.1	5.67
	-5.0	-6.0	20.9	5.00	20.8	5.16	20.6	5.32	20.6	5.40	20.5	5.49	20.4	5.65	20.2	5.81
	-3.0	-4.0	22.1	5.14	22.0	5.30	21.8	5.46	21.8	5.54	21.7	5.63	21.5	5.79	21.4	5.95
	-1.0	-2.0	23.4	5.28	23.2	5.44	23.0	5.60	23.0	5.69	22.9	5.77	22.7	5.93	22.5	6.10
	0.0	-1.0	24.0	5.34	23.8	5.51	23.6	5.67	23.6	5.76	23.5	5.84	23.3	6.00	23.1	6.17
	2.0	1.0	25.2	5.48	25.0	5.65	24.9	5.82	24.8	5.90	24.7	5.98	24.5	6.15	23.9	6.14
	5.0	4.0	27.2	5.69	27.0	5.86	26.8	6.03	26.7	6.11	26.5	6.20	26.0	6.24	24.0	5.73
	7.0	6.0	28.4	5.83	28.2	6.00	27.9	6.17	27.8	6.26	27.7	6.34	26.0	5.96	24.0	5.48
	9.0	7.8	29.5	5.96	29.2	6.13	29.0	6.30	28.9	6.39	28.0	6.20	26.0	5.73	24.0	5.27
	12.0	10.6	31.1	6.16	30.9	6.34	30.0	6.28	29.0	6.06	28.0	5.83	26.0	5.39	24.0	4.96
	15.0	13.5	32.9	6.38	32.0	6.33	30.0	5.91	29.0	5.70	28.0	5.49	26.0	5.08	24.0	4.67
27.5 (110%)	-19.3	-20.0	12.9	4.16	12.9	4.31	12.8	4.46	12.8	4.53	12.8	4.61	12.7	4.76	12.6	4.91
	-15.0	-16.0	15.1	4.44	15.0	4.59	14.9	4.75	14.9	4.82	14.8	4.90	14.8	5.05	14.7	5.21
	-12.0	-13.0	16.7	4.65	16.6	4.81	16.6	4.96	16.5	5.04	16.5	5.12	16.4	5.27	16.3	5.43
	-9.0	-10.0	18.4	4.87	18.3	5.02	18.2	5.18	18.2	5.26	18.1	5.34	18.0	5.50	17.9	5.66
	-7.0	-8.0	19.6	5.01	19.5	5.17	19.4	5.33	19.3	5.41	19.2	5.49	19.1	5.65	19.0	5.81
	-5.0	-6.0	20.8	5.16	20.7	5.32	20.5	5.48	20.5	5.56	20.4	5.64	20.3	5.80	20.1	5.96
	-3.0	-4.0	22.0	5.30	21.8	5.46	21.7	5.63	21.6	5.71	21.5	5.79	21.4	5.95	21.2	6.11
	-1.0	-2.0	23.2	5.45	23.0	5.61	22.9	5.78	22.8	5.86	22.7	5.94	22.5	6.10	21.8	6.02
	0.0	-1.0	23.8	5.52	23.6	5.69	23.5	5.85	23.4	5.93	23.3	6.02	23.1	6.18	21.8	5.88
	2.0	1.0	25.0	5.67	24.8	5.84	24.6	6.00	24.6	6.09	24.5	6.17	23.7	6.10	21.9	5.61
	5.0	4.0	26.9	5.90	26.7	6.07	26.5	6.23	26.4	6.32	25.7	6.15	23.8	5.69	22.0	5.23
	7.0	6.0	28.1	6.05	27.9	6.22	27.5	6.33	26.6	6.10	25.7	5.88	23.8	5.44	22.0	5.01
	9.0	7.8	29.1	6.19	28.9	6.36	27.5	6.08	26.6	5.87	25.7	5.65	23.8	5.23	22.0	4.81
	12.0	10.6	30.8	6.41	29.3	6.13	27.5	5.72	26.6	5.52	25.7	5.32	23.8	4.93	22.0	4.54
	15.0	13.5	31.2	6.16	29.3	5.77	27.5	5.38	26.6	5.20	25.7	5.01	23.8	4.64	22.0	4.27

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ∗A72LALH

● Capacity : 25.0 kW (8HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
25.0 (100%)	-19.3	-20.0	12.9	4.26	12.8	4.42	12.8	4.57	12.8	4.64	12.7	4.72	12.7	4.87	12.6	5.02
	-15.0	-16.0	15.0	4.57	14.9	4.72	14.9	4.87	14.8	4.95	14.8	5.03	14.7	5.18	14.6	5.33
	-12.0	-13.0	16.7	4.80	16.6	4.95	16.5	5.11	16.4	5.18	16.4	5.26	16.3	5.42	16.2	5.57
	-9.0	-10.0	18.3	5.03	18.2	5.18	18.1	5.34	18.1	5.42	18.0	5.50	17.9	5.65	17.8	5.81
	-7.0	-8.0	19.5	5.18	19.4	5.34	19.2	5.50	19.2	5.58	19.1	5.66	19.0	5.82	18.9	5.97
	-5.0	-6.0	20.6	5.34	20.5	5.50	20.4	5.66	20.3	5.74	20.2	5.82	20.1	5.98	19.7	6.03
	-3.0	-4.0	21.8	5.50	21.7	5.66	21.5	5.82	21.4	5.90	21.4	5.98	21.2	6.14	19.8	5.73
	-1.0	-2.0	23.0	5.66	22.8	5.82	22.7	5.98	22.6	6.06	22.5	6.14	21.5	5.93	19.8	5.46
	0.0	-1.0	23.6	5.74	23.4	5.90	23.2	6.06	23.2	6.14	23.1	6.22	21.5	5.79	19.8	5.33
	2.0	1.0	24.8	5.90	24.6	6.06	24.4	6.22	24.0	6.19	23.2	5.96	21.5	5.52	19.9	5.08
	5.0	4.0	26.6	6.14	26.4	6.31	25.0	5.98	24.2	5.77	23.3	5.56	21.7	5.15	20.0	4.75
	7.0	6.0	27.8	6.31	26.7	6.12	25.0	5.72	24.2	5.52	23.3	5.32	21.7	4.93	20.0	4.54
	9.0	7.8	28.3	6.28	26.7	5.89	25.0	5.50	24.2	5.31	23.3	5.12	21.7	4.74	20.0	4.37
	12.0	10.6	28.3	5.91	26.7	5.54	25.0	5.18	24.2	5.00	23.3	4.82	21.7	4.47	20.0	4.12
	15.0	13.5	28.3	5.56	26.7	5.21	25.0	4.87	24.2	4.70	23.3	4.54	21.7	4.21	20.0	3.88
22.5 (90%)	-19.3	-20.0	12.9	4.40	12.8	4.55	12.7	4.70	12.7	4.77	12.7	4.85	12.6	5.00	12.5	5.15
	-15.0	-16.0	14.9	4.72	14.9	4.88	14.8	5.03	14.7	5.10	14.7	5.18	14.6	5.33	14.5	5.49
	-12.0	-13.0	16.6	4.97	16.5	5.12	16.4	5.28	16.3	5.36	16.3	5.43	16.2	5.59	16.1	5.74
	-9.0	-10.0	18.2	5.22	18.1	5.38	18.0	5.53	17.9	5.61	17.9	5.69	17.8	5.84	17.7	6.00
	-7.0	-8.0	19.3	5.39	19.2	5.55	19.1	5.70	19.0	5.78	19.0	5.86	18.8	6.02	17.7	5.69
	-5.0	-6.0	20.5	5.56	20.3	5.72	20.2	5.88	20.1	5.95	20.1	6.03	19.2	5.87	17.8	5.41
	-3.0	-4.0	21.6	5.73	21.4	5.89	21.3	6.05	21.2	6.13	20.8	6.03	19.3	5.58	17.8	5.14
	-1.0	-2.0	22.7	5.90	22.6	6.06	22.3	6.17	21.5	5.95	20.8	5.74	19.3	5.32	17.8	4.90
	0.0	-1.0	23.3	5.99	23.1	6.15	22.3	6.02	21.6	5.81	20.8	5.60	19.3	5.19	17.9	4.78
	2.0	1.0	24.5	6.17	23.9	6.14	22.4	5.74	21.6	5.54	20.9	5.34	19.4	4.95	17.9	4.57
	5.0	4.0	25.5	6.11	24.0	5.73	22.5	5.36	21.7	5.17	21.0	4.99	19.5	4.63	18.0	4.27
	7.0	6.0	25.5	5.84	24.0	5.48	22.5	5.12	21.8	4.95	21.0	4.77	19.5	4.43	18.0	4.08
	9.0	7.8	25.5	5.61	24.0	5.27	22.5	4.93	21.8	4.76	21.0	4.59	19.5	4.26	18.0	3.93
	12.0	10.6	25.5	5.28	24.0	4.96	22.5	4.64	21.8	4.48	21.0	4.33	19.5	4.01	18.0	3.71
	15.0	13.5	25.5	4.97	24.0	4.67	22.5	4.37	21.8	4.22	21.0	4.08	19.5	3.78	18.0	3.50
20.0 (80%)	-19.3	-20.0	12.8	4.56	12.7	4.71	12.7	4.86	12.6	4.94	12.6	5.01	12.5	5.16	12.5	5.31
	-15.0	-16.0	14.8	4.92	14.8	5.07	14.7	5.22	14.6	5.30	14.6	5.37	14.5	5.52	14.4	5.68
	-12.0	-13.0	16.4	5.19	16.3	5.34	16.2	5.49	16.2	5.57	16.1	5.65	16.0	5.80	15.6	5.79
	-9.0	-10.0	18.0	5.46	17.9	5.61	17.8	5.77	17.8	5.85	17.7	5.92	17.0	5.78	15.7	5.33
	-7.0	-8.0	19.1	5.64	19.0	5.80	18.9	5.95	18.8	6.03	18.4	5.91	17.1	5.48	15.7	5.05
	-5.0	-6.0	20.2	5.83	20.1	5.99	19.7	6.03	19.1	5.82	18.4	5.61	17.1	5.20	15.8	4.80
	-3.0	-4.0	21.3	6.02	21.1	6.13	19.8	5.73	19.1	5.53	18.5	5.34	17.1	4.95	15.8	4.57
	-1.0	-2.0	22.4	6.21	21.1	5.83	19.8	5.46	19.2	5.27	18.5	5.08	17.2	4.71	15.9	4.35
	0.0	-1.0	22.5	6.07	21.2	5.69	19.8	5.33	19.2	5.14	18.5	4.96	17.2	4.60	15.9	4.25
	2.0	1.0	22.5	5.78	21.2	5.43	19.9	5.08	19.2	4.91	18.6	4.74	17.2	4.40	15.9	4.06
	5.0	4.0	22.7	5.40	21.3	5.07	20.0	4.75	19.3	4.59	18.7	4.43	17.3	4.11	16.0	3.80
	7.0	6.0	22.7	5.16	21.3	4.85	20.0	4.54	19.3	4.39	18.7	4.24	17.3	3.93	16.0	3.64
	9.0	7.8	22.7	4.96	21.3	4.66	20.0	4.37	19.3	4.22	18.7	4.08	17.3	3.79	16.0	3.50
	12.0	10.6	22.7	4.68	21.3	4.40	20.0	4.12	19.3	3.98	18.7	3.84	17.3	3.57	16.0	3.30
	15.0	13.5	22.7	4.40	21.3	4.14	20.0	3.88	19.3	3.75	18.7	3.62	17.3	3.37	16.0	3.12
17.5 (70%)	-19.3	-20.0	12.7	4.77	12.6	4.92	12.6	5.07	12.6	5.14	12.5	5.22	12.5	5.37	12.4	5.52
	-15.0	-16.0	14.7	5.16	14.6	5.31	14.6	5.46	14.5	5.54	14.5	5.61	14.4	5.76	13.6	5.52
	-12.0	-13.0	16.3	5.46	16.2	5.61	16.1	5.76	16.0	5.84	16.0	5.91	14.8	5.48	13.7	5.06
	-9.0	-10.0	17.8	5.76	17.7	5.91	17.2	5.84	16.6	5.64	16.0	5.44	14.9	5.05	13.7	4.66
	-7.0	-8.0	18.9	5.96	18.4	5.91	17.2	5.53	16.6	5.34	16.1	5.16	14.9	4.79	13.8	4.42
	-5.0	-6.0	19.6	5.98	18.4	5.61	17.3	5.25	16.7	5.08	16.1	4.90	15.0	4.55	13.8	4.20
	-3.0	-4.0	19.6	5.68	18.5	5.34	17.3	5.00	16.7	4.83	16.1	4.66	15.0	4.33	13.8	4.00
	-1.0	-2.0	19.7	5.41	18.5	5.08	17.3	4.76	16.8	4.60	16.2	4.44	15.0	4.13	13.9	3.81
	0.0	-1.0	19.7	5.28	18.5	4.96	17.4	4.65	16.8	4.49	16.2	4.34	15.0	4.03	13.9	3.73
	2.0	1.0	19.7	5.04	18.6	4.74	17.4	4.44	16.8	4.29	16.2	4.14	15.1	3.85	13.9	3.56
	5.0	4.0	19.8	4.71	18.7	4.43	17.5	4.15	16.9	4.01	16.3	3.87	15.2	3.60	14.0	3.33
	7.0	6.0	19.8	4.50	18.7	4.24	17.5	3.97	16.9	3.84	16.3	3.71	15.2	3.45	14.0	3.20
	9.0	7.8	19.8	4.33	18.7	4.08	17.5	3.82	16.9	3.70	16.3	3.57	15.2	3.32	14.0	3.08
	12.0	10.6	19.8	4.08	18.7	3.84	17.5	3.61	16.9	3.49	16.3	3.37	15.2	3.14	14.0	2.91
	15.0	13.5	19.8	3.85	18.7	3.62	17.5	3.40	16.9	3.29	16.3	3.18	15.2	2.96	14.0	2.75
15.0 (60%)	-19.3	-20.0	12.6	5.05	12.5	5.20	12.5	5.34	12.4	5.42	12.4	5.49	12.3	5.64	11.6	5.37
	-15.0	-16.0	14.5	5.48	14.5	5.63	14.4	5.78	14.1	5.72	13.6	5.52	12.7	5.13	11.7	4.73
	-12.0	-13.0	16.0	5.81	15.6	5.79	14.7	5.42	14.2	5.24	13.7	5.06	12.7	4.70	11.7	4.34
	-9.0	-10.0	16.7	5.67	15.7	5.33	14.7	4.99	14.2	4.82	13.7	4.66	12.8	4.33	11.8	4.00
	-7.0	-8.0	16.7	5.37	15.7	5.05	14.8	4.73	14.3	4.58	13.8	4.42	12.8	4.11	11.8	3.80
	-5.0	-6.0	16.8	5.10	15.8	4.80	14.8	4.50	14.3	4.35	13.8	4.20	12.8	3.91	11.8	3.62
	-3.0	-4.0	16.8	4.85	15.8	4.57	14.8	4.28	14.3	4.14	13.8	4.00	12.9	3.72	11.9	3.44
	-1.0	-2.0	16.8	4.62	15.9	4.35	14.9	4.08	14.4	3.95	13.9	3.81	12.9	3.55	11.9	3.29
	0.0	-1.0	16.9	4.52	15.9	4.25	14.9	3.99	14.4	3.86	13.9	3.73	12.9	3.47	11.9	3.21
	2.0	1.0	16.9	4.31	15.9	4.06	14.9	3.81	14.4	3.68	13.9	3.56	12.9	3.32	11.9	3.07
	5.0	4.0	17.0	4.03	16.0	3.80	15.0	3.56	14.5	3.45	14.0	3.33	13.0	3.11	12.0	2.88
	7.0	6.0	17.0	3.86	16.0	3.64	15.0	3.41	14.5	3.30	14.0	3.20	13.0	2.98	12.0	2.76
	9.0	7.8	17.0	3.71	16.0	3.50	15.0	3.29	14.5	3.18	14.0	3.08	13.0	2.87	12.0	2.66
	12.0	10.6	17.0	3.50	16.0	3.30	15.0	3.11	14.5	3.01	14.0	2.91	13.0	2.71	12.0	2.52
	15.0	13.5	17.0	3.31	16.0	3.12	15.0	2.93	14.5	2.84	14.0	2.75	13.0	2.56	12.0	2.38
12.5 (50%)	-19.3	-20.0	12.4	5.43	12.4	5.57	12.1	5.59	11.7	5.40	11.3	5.22	10.5	4.85	9.7	4.48
	-15.0	-16.0	13.8	5.59	13.0	5.26	12.2	4.93	11.8	4.77	11.4	4.61	10.6	4.28	9.7	3.96
	-12.0	-13.0	13.9	5.12	13.0	4.82	12.2	4.52	11.8	4.37	11.4	4.22	10.6	3.93	9.8	3.64
	-9.0	-10.0	13.9	4.71	13.1	4.44	12.3	4.16	11.9	4.03	11.5	3.89	10.6	3.63	9.8	3.36
	-7.0	-8.0	13.9	4.47	13.1	4.21	12.3	3.95	11.9	3.83	11.5	3.70	10.7	3.44	9.8	3.19
	-5.0	-6.0	14.0	4.25	13.1	4.00	12.3	3.76	11.9	3.64	11.5	3.52	10.7	3.28	9.9	3.04
	-3.0	-4.0	14.0	4.05	13.2	3.81	12.4	3.58	11.9	3.47	11.5	3.35	10.7	3.13	9.9	2.90
	-1.0	-2.0	14.0	3.86	13.2	3.64	12.4	3.42	12.0	3.31	11.6	3.20	10.7	2.98	9.9	2.77
	0.0	-1.0	14.1	3.77	13.2	3.55	12.4	3.34	12.0	3.23	11.6	3.13	10.7	2.92	9.9	2.71
	2.0	1.0	14.1	3.60	13.3	3.40	12.4	3.19	12.0	3.09	11.6	2.99	10.8	2.79	9.9	2.59
	5.0	4.0	14.2	3.37	13.3	3.18	12.5	2.99	12.1	2.90	11.7	2.81	10.8	2.62	10.0	2.43
	7.0	6.0	14.2	3.23	13.3	3.05	12.5	2.87	12.1	2.78	11.7	2.69	10.8	2.51	10.0	2.34
	9.0	7.8	14.2	3.11	13.3	2.94	12.5	2.77	12.1	2.68	11.7	2.59	10.8	2.42	10.0	2.26
	12.0	10.6	14.2	2.94	13.3	2.78	12.5	2.62	12.1	2.54	11.7	2.46	10.8	2.30	10.0	2.14
	15.0	13.5	14.2	2.78	13.3	2.63	12.5	2.47	12.1	2.40	11.7	2.32	10.8	2.17	10.0	2.03

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ∗A90LALH

● Capacity : 31.5 kW (10HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
47.3 (150%)	-19.3	**-20.0**	16.5	5.25	16.5	5.46	16.4	5.68	16.4	5.78	16.4	5.89	16.3	6.10	16.3	6.32
	-15.0	**-16.0**	19.2	5.56	19.2	5.78	19.1	6.00	19.1	6.11	19.0	6.22	18.9	6.44	18.9	6.66
	-12.0	**-13.0**	21.4	5.80	21.3	6.02	21.2	6.24	21.1	6.35	21.1	6.46	21.0	6.69	20.9	6.91
	-9.0	**-10.0**	23.6	6.03	23.5	6.26	23.3	6.48	23.3	6.60	23.2	6.71	23.1	6.93	23.0	7.16
	-7.0	**-8.0**	25.1	6.19	24.9	6.42	24.8	6.64	24.8	6.76	24.7	6.87	24.6	7.10	24.5	7.33
	-5.0	**-6.0**	26.6	6.35	26.5	6.57	26.3	6.80	26.3	6.92	26.2	7.03	26.1	7.26	25.9	7.49
	-3.0	**-4.0**	28.2	6.50	28.0	6.73	27.9	6.97	27.8	7.08	27.7	7.20	27.6	7.43	27.4	7.66
	-1.0	**-2.0**	29.7	6.66	29.6	6.89	29.4	7.13	29.3	7.24	29.2	7.36	29.1	7.60	28.9	7.83
	0.0	**-1.0**	30.5	6.74	30.4	6.97	30.2	7.21	30.1	7.32	30.0	7.44	29.8	7.68	29.7	7.91
	2.0	**1.0**	32.2	6.89	32.0	7.13	31.8	7.37	31.7	7.49	31.6	7.61	31.4	7.85	31.2	8.08
	5.0	**4.0**	34.7	7.13	34.5	7.37	34.3	7.61	34.2	7.73	34.0	7.85	33.8	8.10	33.6	8.34
	7.0	**6.0**	36.3	7.29	36.1	7.53	35.8	7.78	35.7	7.90	35.6	8.02	35.3	8.27	35.1	8.51
	9.0	**7.8**	37.7	7.43	37.5	7.68	37.2	7.93	37.1	8.05	36.9	8.17	36.7	8.42	36.4	8.67
	12.0	**10.6**	40.0	7.66	39.7	7.91	39.4	8.16	39.2	8.28	39.1	8.41	38.8	8.66	37.8	8.63
	15.0	**13.5**	42.3	7.90	42.0	8.15	41.7	8.40	41.5	8.53	41.3	8.65	40.9	8.87	37.8	8.13
44.1 (140%)	-19.3	**-20.0**	16.5	5.33	16.4	5.54	16.4	5.76	16.4	5.87	16.3	5.97	16.3	6.19	16.2	6.40
	-15.0	**-16.0**	19.2	5.66	19.1	5.88	19.1	6.10	19.0	6.21	19.0	6.32	18.9	6.53	18.8	6.75
	-12.0	**-13.0**	21.3	5.91	21.2	6.13	21.1	6.35	21.1	6.46	21.1	6.57	21.0	6.79	20.9	7.02
	-9.0	**-10.0**	23.5	6.16	23.4	6.38	23.3	6.60	23.2	6.72	23.2	6.83	23.1	7.05	23.0	7.28
	-7.0	**-8.0**	25.0	6.32	24.9	6.55	24.8	6.77	24.7	6.89	24.6	7.00	24.5	7.23	24.4	7.45
	-5.0	**-6.0**	26.5	6.49	26.4	6.71	26.2	6.94	26.2	7.06	26.1	7.17	26.0	7.40	25.8	7.63
	-3.0	**-4.0**	28.1	6.65	27.9	6.88	27.8	7.11	27.7	7.23	27.6	7.34	27.5	7.58	27.3	7.81
	-1.0	**-2.0**	29.6	6.82	29.5	7.05	29.3	7.28	29.2	7.40	29.1	7.52	29.0	7.75	28.8	7.98
	0.0	**-1.0**	30.4	6.90	30.3	7.13	30.1	7.37	30.0	7.49	29.9	7.60	29.7	7.84	29.5	8.07
	2.0	**1.0**	32.0	7.07	31.8	7.30	31.6	7.54	31.5	7.66	31.4	7.78	31.2	8.02	31.0	8.25
	5.0	**4.0**	34.5	7.32	34.3	7.56	34.1	7.80	34.0	7.92	33.9	8.04	33.6	8.28	33.4	8.52
	7.0	**6.0**	36.1	7.49	35.9	7.73	35.6	7.97	35.5	8.10	35.4	8.22	35.1	8.46	34.9	8.70
	9.0	**7.8**	37.5	7.64	37.2	7.89	37.0	8.13	36.9	8.25	36.7	8.38	36.5	8.62	35.2	8.50
	12.0	**10.6**	39.7	7.88	39.4	8.13	39.1	8.38	39.0	8.50	38.8	8.63	38.2	8.74	35.2	8.01
	15.0	**13.5**	42.0	8.14	41.7	8.39	41.4	8.64	41.2	8.77	41.0	8.89	38.2	8.22	35.2	7.54
41.0 (130%)	-19.3	**-20.0**	16.5	5.43	16.4	5.64	16.4	5.85	16.3	5.96	16.3	6.07	16.3	6.28	16.2	6.50
	-15.0	**-16.0**	19.2	5.77	19.1	5.99	19.0	6.21	19.0	6.32	19.0	6.43	18.9	6.64	18.8	6.86
	-12.0	**-13.0**	21.3	6.03	21.2	6.26	21.1	6.48	21.0	6.59	21.0	6.70	20.9	6.92	20.8	7.14
	-9.0	**-10.0**	23.4	6.30	23.3	6.52	23.2	6.74	23.2	6.86	23.1	6.97	23.0	7.19	22.9	7.42
	-7.0	**-8.0**	24.9	6.47	24.8	6.70	24.7	6.92	24.6	7.04	24.6	7.15	24.4	7.37	24.3	7.60
	-5.0	**-6.0**	26.4	6.65	26.3	6.87	26.2	7.10	26.1	7.22	26.0	7.33	25.9	7.56	25.7	7.79
	-3.0	**-4.0**	28.0	6.82	27.8	7.05	27.6	7.28	27.6	7.40	27.5	7.51	27.3	7.74	27.2	7.97
	-1.0	**-2.0**	29.5	7.00	29.3	7.23	29.2	7.46	29.1	7.58	29.0	7.70	28.8	7.93	28.6	8.16
	0.0	**-1.0**	30.3	7.09	30.1	7.32	29.9	7.55	29.8	7.67	29.7	7.79	29.6	8.02	29.4	8.26
	2.0	**1.0**	31.9	7.27	31.7	7.50	31.5	7.74	31.4	7.86	31.3	7.97	31.1	8.21	30.9	8.45
	5.0	**4.0**	34.3	7.54	34.1	7.77	33.9	8.01	33.8	8.13	33.7	8.25	33.4	8.49	32.7	8.54
	7.0	**6.0**	35.9	7.72	35.6	7.96	35.4	8.20	35.3	8.32	35.1	8.44	34.9	8.68	32.7	8.17
	9.0	**7.8**	37.3	7.88	37.0	8.12	36.7	8.37	36.6	8.49	36.5	8.61	35.4	8.56	32.7	7.85
	12.0	**10.6**	39.4	8.14	39.1	8.39	38.8	8.63	38.7	8.76	38.2	8.74	35.4	8.06	32.7	7.40
	15.0	**13.5**	41.6	8.41	41.3	8.66	40.9	8.87	39.5	8.55	38.2	8.22	35.4	7.59	32.7	6.97
37.8 (120%)	-19.3	**-20.0**	16.4	5.54	16.4	5.75	16.3	5.96	16.3	6.07	16.3	6.18	16.2	6.39	16.2	6.60
	-15.0	**-16.0**	19.1	5.90	19.1	6.12	19.0	6.34	18.9	6.45	18.9	6.56	18.8	6.77	18.8	6.99
	-12.0	**-13.0**	21.2	6.18	21.1	6.40	21.0	6.62	21.0	6.73	20.9	6.84	20.9	7.06	20.8	7.28
	-9.0	**-10.0**	23.4	6.46	23.3	6.68	23.1	6.91	23.1	7.02	23.0	7.13	22.9	7.35	22.8	7.58
	-7.0	**-8.0**	24.8	6.65	24.7	6.87	24.6	7.10	24.5	7.21	24.5	7.32	24.3	7.55	24.2	7.77
	-5.0	**-6.0**	26.3	6.83	26.2	7.06	26.0	7.29	26.0	7.40	25.9	7.51	25.8	7.74	25.6	7.97
	-3.0	**-4.0**	27.8	7.02	27.7	7.25	27.5	7.48	27.4	7.59	27.4	7.71	27.2	7.94	27.0	8.17
	-1.0	**-2.0**	29.4	7.21	29.2	7.44	29.0	7.67	28.9	7.79	28.8	7.90	28.7	8.14	28.5	8.37
	0.0	**-1.0**	30.1	7.30	29.9	7.54	29.8	7.77	29.7	7.89	29.6	8.00	29.4	8.23	29.2	8.47
	2.0	**1.0**	31.7	7.50	31.5	7.73	31.3	7.96	31.2	8.08	31.1	8.20	30.9	8.43	30.0	8.39
	5.0	**4.0**	34.1	7.78	33.9	8.02	33.7	8.26	33.5	8.38	33.4	8.50	32.7	8.54	30.2	7.84
	7.0	**6.0**	35.6	7.98	35.4	8.22	35.1	8.46	35.0	8.58	34.9	8.70	32.7	8.17	30.2	7.50
	9.0	**7.8**	37.0	8.16	36.7	8.40	36.4	8.64	36.3	8.76	35.2	8.50	32.7	7.85	30.2	7.21
	12.0	**10.6**	39.1	8.43	38.8	8.68	37.8	8.63	36.5	8.32	35.2	8.01	32.7	7.40	30.2	6.80
	15.0	**13.5**	41.2	8.72	40.3	8.72	37.8	8.13	36.5	7.83	35.2	7.54	32.7	6.97	30.2	6.40
34.7 (110%)	-19.3	**-20.0**	16.4	5.67	16.4	5.88	16.3	6.09	16.3	6.20	16.3	6.31	16.2	6.52	16.2	6.73
	-15.0	**-16.0**	19.1	6.06	19.0	6.27	18.9	6.49	18.9	6.60	18.9	6.71	18.8	6.93	18.7	7.14
	-12.0	**-13.0**	21.1	6.35	21.1	6.57	21.0	6.79	20.9	6.90	20.9	7.01	20.8	7.23	20.7	7.45
	-9.0	**-10.0**	23.3	6.65	23.2	6.87	23.1	7.09	23.0	7.21	22.9	7.32	22.8	7.54	22.7	7.76
	-7.0	**-8.0**	24.7	6.85	24.6	7.07	24.5	7.30	24.4	7.41	24.3	7.52	24.2	7.75	24.1	7.97
	-5.0	**-6.0**	26.2	7.05	26.0	7.28	25.9	7.50	25.8	7.62	25.8	7.73	25.6	7.96	25.5	8.18
	-3.0	**-4.0**	27.7	7.25	27.5	7.48	27.4	7.71	27.3	7.82	27.2	7.94	27.0	8.17	26.9	8.39
	-1.0	**-2.0**	29.2	7.46	29.0	7.69	28.8	7.92	28.7	8.03	28.7	8.15	28.5	8.38	27.4	8.20
	0.0	**-1.0**	29.9	7.56	29.7	7.79	29.6	8.02	29.5	8.14	29.4	8.25	29.2	8.48	27.4	8.01
	2.0	**1.0**	31.4	7.76	31.3	8.00	31.1	8.23	31.0	8.35	30.9	8.46	29.8	8.33	27.5	7.65
	5.0	**4.0**	33.8	8.08	33.6	8.31	33.4	8.55	33.3	8.67	32.3	8.42	30.0	7.78	27.7	7.15
	7.0	**6.0**	35.3	8.29	35.1	8.52	34.6	8.67	33.4	8.36	32.3	8.05	30.0	7.44	27.7	6.84
	9.0	**7.8**	36.6	8.48	36.4	8.72	34.6	8.34	33.4	8.04	32.3	7.74	30.0	7.16	27.7	6.58
	12.0	**10.6**	38.7	8.78	36.9	8.43	34.6	7.86	33.4	7.58	32.3	7.30	30.0	6.75	27.7	6.20
	15.0	**13.5**	39.2	8.47	36.9	7.93	34.6	7.40	33.4	7.13	32.3	6.87	30.0	6.35	27.7	5.85

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ∗A90LALH

● Capacity : 31.5 kW (10HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
31.5 (100%)	-19.3	-20.0	16.4	5.82	16.3	6.04	16.3	6.25	16.3	6.36	16.2	6.46	16.2	6.67	16.1	6.89
	-15.0	-16.0	19.0	6.24	18.9	6.46	18.9	6.67	18.8	6.78	18.8	6.89	18.7	7.11	18.7	7.32
	-12.0	-13.0	21.1	6.56	21.0	6.78	20.9	7.00	20.8	7.11	20.8	7.21	20.7	7.43	20.6	7.65
	-9.0	-10.0	23.2	6.88	23.1	7.10	22.9	7.32	22.9	7.43	22.8	7.54	22.7	7.76	22.6	7.99
	-7.0	-8.0	24.6	7.09	24.5	7.32	24.3	7.54	24.3	7.65	24.2	7.76	24.1	7.99	24.0	8.21
	-5.0	-6.0	26.0	7.31	25.9	7.53	25.8	7.76	25.7	7.87	25.6	7.98	25.5	8.21	24.8	8.18
	-3.0	-4.0	27.5	7.53	27.3	7.75	27.2	7.98	27.1	8.09	27.0	8.21	26.9	8.43	24.9	7.79
	-1.0	-2.0	29.0	7.75	28.8	7.98	28.6	8.20	28.5	8.32	28.4	8.43	27.0	8.07	24.9	7.42
	0.0	-1.0	29.7	7.86	29.5	8.09	29.3	8.32	29.2	8.43	29.1	8.53	27.0	7.88	24.9	7.25
	2.0	1.0	31.2	8.08	31.0	8.31	30.8	8.54	30.2	8.45	29.2	8.14	27.1	7.53	25.0	6.92
	5.0	4.0	33.5	8.42	33.3	8.65	31.5	8.18	30.4	7.89	29.4	7.60	27.3	7.03	25.2	6.47
	7.0	6.0	34.9	8.65	33.5	8.39	31.5	7.83	30.4	7.55	29.4	7.28	27.3	6.73	25.2	6.19
	9.0	7.8	35.7	8.61	33.5	8.07	31.5	7.53	30.4	7.26	29.4	7.00	27.3	6.48	25.2	5.96
	12.0	10.6	35.7	8.11	33.6	7.60	31.5	7.10	30.4	6.85	29.4	6.60	27.3	6.11	25.2	5.62
	15.0	13.5	35.7	7.64	33.6	7.16	31.5	6.68	30.4	6.45	29.4	6.21	27.3	5.75	25.2	5.30
28.4 (90%)	-19.3	-20.0	16.3	6.01	16.3	6.23	16.2	6.44	16.2	6.54	16.2	6.65	16.1	6.86	16.1	7.08
	-15.0	-16.0	18.9	6.46	18.9	6.68	18.8	6.90	18.8	7.00	18.7	7.11	18.7	7.33	18.6	7.54
	-12.0	-13.0	21.0	6.81	20.9	7.02	20.8	7.24	20.7	7.35	20.7	7.46	20.6	7.68	20.5	7.90
	-9.0	-10.0	23.0	7.15	22.9	7.37	22.8	7.59	22.7	7.70	22.7	7.81	22.6	8.03	22.2	8.12
	-7.0	-8.0	24.4	7.39	24.3	7.61	24.2	7.83	24.1	7.94	24.0	8.05	23.9	8.27	22.3	7.71
	-5.0	-6.0	25.8	7.62	25.7	7.84	25.6	8.07	25.5	8.18	25.4	8.29	24.2	7.96	22.3	7.33
	-3.0	-4.0	27.3	7.86	27.1	8.08	26.9	8.31	26.9	8.42	26.1	8.20	24.2	7.58	22.4	6.98
	-1.0	-2.0	28.7	8.10	28.5	8.32	28.0	8.40	27.1	8.10	26.2	7.81	24.3	7.23	22.4	6.65
	0.0	-1.0	29.4	8.22	29.2	8.45	28.1	8.20	27.1	7.92	26.2	7.63	24.3	7.06	22.4	6.50
	2.0	1.0	30.9	8.46	30.0	8.39	28.1	7.83	27.2	7.56	26.3	7.28	24.4	6.74	22.5	6.21
	5.0	4.0	32.1	8.36	30.2	7.84	28.3	7.32	27.4	7.06	26.4	6.81	24.5	6.30	22.6	5.81
	7.0	6.0	32.1	8.00	30.2	7.50	28.3	7.00	27.4	6.76	26.4	6.52	24.5	6.03	22.6	5.56
	9.0	7.8	32.1	7.69	30.2	7.21	28.3	6.74	27.4	6.50	26.4	6.27	24.5	5.81	22.6	5.35
	12.0	10.6	32.1	7.25	30.2	6.80	28.3	6.35	27.4	6.13	26.4	5.91	24.5	5.48	22.6	5.05
	15.0	13.5	32.1	6.82	30.2	6.40	28.3	5.98	27.4	5.78	26.4	5.57	24.5	5.16	22.6	4.76
25.2 (80%)	-19.3	-20.0	16.3	6.25	16.2	6.46	16.2	6.67	16.2	6.78	16.1	6.88	16.1	7.10	16.0	7.31
	-15.0	-16.0	18.8	6.74	18.8	6.96	18.7	7.17	18.7	7.28	18.6	7.38	18.6	7.60	18.5	7.81
	-12.0	-13.0	20.8	7.11	20.7	7.33	20.7	7.55	20.6	7.66	20.6	7.76	20.5	7.98	19.7	7.79
	-9.0	-10.0	22.9	7.49	22.7	7.71	22.6	7.93	22.6	8.04	22.5	8.15	21.4	7.81	19.7	7.19
	-7.0	-8.0	24.2	7.75	24.1	7.97	24.0	8.19	23.9	8.30	23.1	8.00	21.4	7.41	19.8	6.83
	-5.0	-6.0	25.6	8.01	25.5	8.23	24.8	8.18	24.0	7.89	23.1	7.61	21.5	7.05	19.8	6.49
	-3.0	-4.0	27.0	8.27	26.5	8.33	24.9	7.79	24.0	7.51	23.2	7.24	21.5	6.71	19.9	6.18
	-1.0	-2.0	28.2	8.47	26.6	7.94	24.9	7.42	24.1	7.16	23.3	6.91	21.6	6.40	19.9	5.90
	0.0	-1.0	28.3	8.27	26.6	7.76	24.9	7.25	24.1	7.00	23.3	6.75	21.6	6.25	19.9	5.76
	2.0	1.0	28.3	7.89	26.7	7.40	25.0	6.92	24.2	6.68	23.3	6.44	21.7	5.97	20.0	5.51
	5.0	4.0	28.5	7.38	26.8	6.92	25.2	6.47	24.3	6.25	23.5	6.03	21.8	5.59	20.1	5.15
	7.0	6.0	28.5	7.06	26.8	6.62	25.2	6.19	24.3	5.98	23.5	5.77	21.8	5.35	20.1	4.94
	9.0	7.8	28.5	6.79	26.8	6.37	25.2	5.96	24.3	5.76	23.5	5.55	21.8	5.15	20.1	4.75
	12.0	10.6	28.5	6.40	26.8	6.01	25.2	5.62	24.3	5.43	23.5	5.24	21.8	4.86	20.1	4.49
	15.0	13.5	28.5	6.03	26.8	5.66	25.2	5.30	24.3	5.12	23.5	4.94	21.8	4.58	20.1	4.23
22.1 (70%)	-19.3	-20.0	16.2	6.55	16.2	6.76	16.1	6.97	16.1	7.08	16.1	7.18	16.0	7.39	16.0	7.61
	-15.0	-16.0	18.7	7.09	18.7	7.31	18.6	7.52	18.6	7.63	18.5	7.73	18.4	7.95	17.1	7.40
	-12.0	-13.0	20.7	7.50	20.6	7.72	20.5	7.94	20.4	8.04	20.1	7.96	18.6	7.38	17.2	6.80
	-9.0	-10.0	22.6	7.92	22.5	8.14	21.6	7.88	20.9	7.61	20.1	7.34	18.7	6.80	17.3	6.27
	-7.0	-8.0	24.0	8.21	23.1	8.00	21.6	7.49	20.9	7.23	20.2	6.97	18.8	6.46	17.3	5.96
	-5.0	-6.0	24.6	8.11	23.1	7.61	21.7	7.12	21.0	6.87	20.2	6.63	18.8	6.15	17.3	5.67
	-3.0	-4.0	24.7	7.72	23.2	7.25	21.7	6.78	21.0	6.55	20.3	6.31	18.8	5.86	17.4	5.40
	-1.0	-2.0	24.7	7.36	23.3	6.91	21.8	6.46	21.1	6.24	20.3	6.02	18.9	5.59	17.4	5.16
	0.0	-1.0	24.7	7.19	23.3	6.75	21.8	6.31	21.1	6.10	20.4	5.88	18.9	5.46	17.4	5.04
	2.0	1.0	24.8	6.86	23.3	6.44	21.9	6.03	21.1	5.83	20.4	5.62	18.9	5.22	17.5	4.82
	5.0	4.0	24.9	6.41	23.5	6.03	22.0	5.64	21.3	5.45	20.5	5.26	19.1	4.88	17.6	4.51
	7.0	6.0	24.9	6.14	23.5	5.77	22.0	5.40	21.3	5.22	20.5	5.04	19.1	4.68	17.6	4.32
	9.0	7.8	24.9	5.91	23.5	5.55	22.0	5.20	21.3	5.03	20.5	4.85	19.1	4.51	17.6	4.16
	12.0	10.6	24.9	5.57	23.5	5.24	22.0	4.91	21.3	4.74	20.5	4.58	19.1	4.25	17.6	3.93
	15.0	13.5	24.9	5.25	23.5	4.94	22.0	4.63	21.3	4.47	20.5	4.32	19.1	4.02	17.6	3.71
18.9 (60%)	-19.3	-20.0	16.1	6.95	16.1	7.16	16.0	7.37	16.0	7.47	16.0	7.58	15.8	7.74	14.6	7.14
	-15.0	-16.0	18.6	7.55	18.5	7.77	18.4	7.94	17.8	7.67	17.1	7.40	15.9	6.86	14.7	6.33
	-12.0	-13.0	20.5	8.02	19.7	7.79	18.4	7.29	17.8	7.04	17.2	6.80	16.0	6.31	14.7	5.82
	-9.0	-10.0	21.0	7.65	19.7	7.19	18.5	6.73	17.9	6.50	17.3	6.27	16.0	5.82	14.8	5.38
	-7.0	-8.0	21.0	7.26	19.8	6.83	18.5	6.39	17.9	6.17	17.3	5.96	16.1	5.53	14.8	5.11
	-5.0	-6.0	21.1	6.91	19.8	6.49	18.6	6.08	18.0	5.87	17.3	5.67	16.1	5.27	14.9	4.86
	-3.0	-4.0	21.1	6.58	19.9	6.18	18.6	5.79	18.0	5.60	17.4	5.40	16.1	5.02	14.9	4.64
	-1.0	-2.0	21.2	6.27	19.9	5.90	18.7	5.52	18.1	5.34	17.4	5.16	16.2	4.79	14.9	4.43
	0.0	-1.0	21.2	6.13	19.9	5.76	18.7	5.40	18.1	5.22	17.4	5.04	16.2	4.68	14.9	4.33
	2.0	1.0	21.2	5.85	20.0	5.51	18.7	5.16	18.1	4.99	17.5	4.82	16.2	4.48	15.0	4.14
	5.0	4.0	21.4	5.48	20.1	5.15	18.9	4.83	18.2	4.67	17.6	4.51	16.3	4.19	15.1	3.88
	7.0	6.0	21.4	5.25	20.1	4.94	18.9	4.63	18.2	4.48	17.6	4.32	16.3	4.02	15.1	3.72
	9.0	7.8	21.4	5.05	20.1	4.75	18.9	4.46	18.2	4.31	17.6	4.16	16.3	3.87	15.1	3.59
	12.0	10.6	21.4	4.77	20.1	4.49	18.9	4.21	18.2	4.07	17.6	3.93	16.3	3.66	15.1	3.39
	15.0	13.5	21.4	4.50	20.1	4.23	18.9	3.97	18.2	3.84	17.6	3.71	16.3	3.46	15.1	3.20
15.8 (50%)	-19.3	-20.0	16.0	7.50	15.9	7.71	15.2	7.44	14.7	7.19	14.2	6.94	13.2	6.44	12.2	5.95
	-15.0	-16.0	17.3	7.49	16.3	7.04	15.3	6.60	14.8	6.37	14.3	6.16	13.3	5.72	12.2	5.28
	-12.0	-13.0	17.4	6.88	16.4	6.47	15.4	6.06	14.8	5.86	14.3	5.66	13.3	5.26	12.3	4.86
	-9.0	-10.0	17.5	6.35	16.4	5.97	15.4	5.60	14.9	5.41	14.4	5.23	13.3	4.86	12.3	4.49
	-7.0	-8.0	17.5	6.03	16.5	5.67	15.4	5.32	14.9	5.14	14.4	4.97	13.4	4.62	12.3	4.27
	-5.0	-6.0	17.6	5.74	16.5	5.40	15.5	5.06	15.0	4.90	14.4	4.73	13.4	4.40	12.4	4.07
	-3.0	-4.0	17.6	5.47	16.6	5.15	15.5	4.83	15.0	4.67	14.5	4.51	13.4	4.20	12.4	3.89
	-1.0	-2.0	17.6	5.22	16.6	4.91	15.6	4.61	15.0	4.46	14.5	4.31	13.5	4.01	12.4	3.71
	0.0	-1.0	17.7	5.10	16.6	4.80	15.6	4.50	15.1	4.36	14.5	4.21	13.5	3.92	12.4	3.63
	2.0	1.0	17.7	4.87	16.7	4.59	15.6	4.31	15.1	4.17	14.6	4.03	13.5	3.75	12.5	3.47
	5.0	4.0	17.8	4.56	16.8	4.30	15.7	4.04	15.2	3.91	14.7	3.78	13.6	3.52	12.6	3.26
	7.0	6.0	17.8	4.37	16.8	4.12	15.7	3.87	15.2	3.75	14.7	3.62	13.6	3.37	12.6	3.13
	9.0	7.8	17.8	4.21	16.8	3.97	15.7	3.73	15.2	3.61	14.7	3.49	13.6	3.25	12.6	3.02
	12.0	10.6	17.8	3.98	16.8	3.75	15.7	3.53	15.2	3.41	14.7	3.30	13.6	3.08	12.6	2.86
	15.0	13.5	17.8	3.76	16.8	3.54	15.7	3.33	15.2	3.23	14.7	3.12	13.6	2.91	12.6	2.70

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ*108LALH

● Capacity : 37.5 kW (12HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
56.3 (150%)	-19.3	-20.0	19.6	6.28	19.6	6.53	19.5	6.78	19.5	6.90	19.4	7.02	19.4	7.27	19.3	7.52
	-15.0	-16.0	22.9	6.65	22.8	6.90	22.7	7.15	22.7	7.28	22.6	7.41	22.5	7.66	22.4	7.91
	-12.0	-13.0	25.4	6.92	25.3	7.18	25.2	7.43	25.1	7.56	25.1	7.69	25.0	7.95	24.9	8.20
	-9.0	-10.0	28.1	7.19	27.9	7.45	27.8	7.71	27.7	7.84	27.7	7.98	27.5	8.24	27.4	8.50
	-7.0	-8.0	29.9	7.38	29.7	7.64	29.6	7.90	29.5	8.03	29.4	8.16	29.2	8.43	29.1	8.69
	-5.0	-6.0	31.7	7.56	31.5	7.82	31.4	8.09	31.3	8.22	31.2	8.35	31.0	8.62	30.8	8.89
	-3.0	-4.0	33.6	7.74	33.4	8.01	33.2	8.28	33.1	8.41	33.0	8.54	32.8	8.81	32.6	9.08
	-1.0	-2.0	35.5	7.92	35.2	8.19	35.0	8.46	34.9	8.60	34.8	8.73	34.6	9.01	34.4	9.28
	0.0	-1.0	36.4	8.01	36.2	8.29	36.0	8.56	35.9	8.69	35.7	8.83	35.5	9.10	35.3	9.38
	2.0	1.0	38.3	8.20	38.1	8.47	37.9	8.75	37.7	8.88	37.6	9.02	37.4	9.30	37.1	9.57
	5.0	4.0	41.4	8.47	41.1	8.75	40.8	9.03	40.7	9.17	40.6	9.31	40.3	9.59	40.0	9.87
	7.0	6.0	43.3	8.66	43.0	8.94	42.7	9.22	42.5	9.36	42.4	9.50	42.1	9.79	41.8	10.07
	9.0	7.8	45.0	8.83	44.7	9.11	44.3	9.39	44.2	9.54	44.0	9.68	43.7	9.97	43.4	10.25
	12.0	10.6	47.7	9.09	47.3	9.38	47.0	9.67	46.8	9.81	46.6	9.95	46.2	10.24	45.0	10.21
	15.0	13.5	50.4	9.36	50.1	9.66	49.7	9.95	49.5	10.10	49.3	10.24	48.7	10.48	45.0	9.61
52.5 (140%)	-19.3	-20.0	19.6	6.37	19.5	6.62	19.5	6.87	19.4	6.99	19.4	7.12	19.3	7.37	19.3	7.61
	-15.0	-16.0	22.8	6.76	22.7	7.01	22.7	7.26	22.6	7.39	22.6	7.52	22.5	7.77	22.4	8.02
	-12.0	-13.0	25.4	7.05	25.3	7.30	25.1	7.56	25.1	7.69	25.0	7.82	24.9	8.07	24.8	8.33
	-9.0	-10.0	28.0	7.34	27.9	7.59	27.7	7.85	27.6	7.98	27.6	8.11	27.4	8.38	27.3	8.64
	-7.0	-8.0	29.8	7.53	29.6	7.79	29.5	8.05	29.4	8.18	29.3	8.31	29.2	8.58	29.0	8.84
	-5.0	-6.0	31.6	7.72	31.4	7.98	31.2	8.25	31.2	8.38	31.1	8.51	30.9	8.78	30.7	9.05
	-3.0	-4.0	33.4	7.91	33.2	8.18	33.1	8.45	33.0	8.58	32.9	8.71	32.7	8.98	32.5	9.25
	-1.0	-2.0	35.3	8.11	35.1	8.38	34.9	8.65	34.8	8.78	34.7	8.92	34.5	9.19	34.2	9.46
	0.0	-1.0	36.3	8.20	36.0	8.47	35.8	8.75	35.7	8.88	35.6	9.02	35.4	9.29	35.1	9.56
	2.0	1.0	38.2	8.40	37.9	8.67	37.7	8.95	37.6	9.08	37.4	9.22	37.2	9.49	36.9	9.77
	5.0	4.0	41.2	8.69	40.9	8.97	40.6	9.25	40.5	9.39	40.3	9.53	40.1	9.80	39.8	10.08
	7.0	6.0	43.0	8.89	42.7	9.17	42.4	9.45	42.3	9.59	42.1	9.73	41.8	10.01	41.5	10.29
	9.0	7.8	44.7	9.07	44.4	9.35	44.1	9.63	43.9	9.78	43.7	9.92	43.4	10.20	42.0	10.06
	12.0	10.6	47.3	9.35	47.0	9.64	46.6	9.92	46.5	10.07	46.3	10.21	45.5	10.33	42.0	9.48
	15.0	13.5	50.1	9.64	49.7	9.93	49.3	10.22	49.1	10.37	48.9	10.52	45.5	9.73	42.0	8.93
48.8 (130%)	-19.3	-20.0	19.6	6.48	19.5	6.73	19.4	6.98	19.4	7.10	19.4	7.23	19.3	7.48	19.2	7.72
	-15.0	-16.0	22.8	6.89	22.7	7.14	22.6	7.39	22.6	7.52	22.5	7.65	22.4	7.90	22.3	8.15
	-12.0	-13.0	25.3	7.19	25.2	7.45	25.1	7.70	25.0	7.83	25.0	7.96	24.9	8.22	24.7	8.47
	-9.0	-10.0	27.9	7.50	27.8	7.76	27.6	8.02	27.6	8.15	27.5	8.28	27.4	8.53	27.2	8.79
	-7.0	-8.0	29.7	7.70	29.5	7.96	29.4	8.22	29.3	8.36	29.2	8.49	29.1	8.75	28.9	9.01
	-5.0	-6.0	31.5	7.91	31.3	8.17	31.1	8.43	31.0	8.57	31.0	8.70	30.8	8.96	30.6	9.23
	-3.0	-4.0	33.3	8.11	33.1	8.38	32.9	8.64	32.8	8.78	32.7	8.91	32.5	9.18	32.3	9.44
	-1.0	-2.0	35.1	8.32	34.9	8.59	34.7	8.85	34.6	8.99	34.5	9.12	34.3	9.39	34.1	9.66
	0.0	-1.0	36.1	8.42	35.9	8.69	35.6	8.96	35.5	9.10	35.4	9.23	35.2	9.50	35.0	9.77
	2.0	1.0	38.0	8.63	37.7	8.90	37.5	9.17	37.4	9.31	37.2	9.45	37.0	9.72	36.7	9.99
	5.0	4.0	40.9	8.94	40.6	9.22	40.4	9.49	40.2	9.63	40.1	9.77	39.8	10.05	39.0	10.10
	7.0	6.0	42.8	9.15	42.5	9.43	42.2	9.71	42.0	9.85	41.8	9.99	41.5	10.27	39.0	9.67
	9.0	7.8	44.4	9.34	44.1	9.63	43.8	9.91	43.6	10.05	43.4	10.19	42.2	10.13	39.0	9.30
	12.0	10.6	47.0	9.65	46.6	9.93	46.3	10.22	46.1	10.36	45.5	10.33	42.2	9.54	39.0	8.77
	15.0	13.5	49.6	9.96	49.3	10.25	48.7	10.48	47.1	10.10	45.5	9.73	42.2	8.99	39.0	8.27
45.0 (120%)	-19.3	-20.0	19.5	6.61	19.5	6.86	19.4	7.11	19.4	7.23	19.3	7.35	19.3	7.60	19.2	7.85
	-15.0	-16.0	22.7	7.04	22.6	7.29	22.6	7.54	22.5	7.67	22.5	7.80	22.4	8.05	22.3	8.30
	-12.0	-13.0	25.2	7.36	25.1	7.62	25.0	7.87	25.0	8.00	24.9	8.13	24.8	8.38	24.7	8.64
	-9.0	-10.0	27.8	7.69	27.7	7.94	27.5	8.20	27.5	8.33	27.4	8.46	27.3	8.72	27.1	8.98
	-7.0	-8.0	29.6	7.90	29.4	8.16	29.2	8.42	29.2	8.55	29.1	8.69	28.9	8.95	28.8	9.21
	-5.0	-6.0	31.3	8.12	31.2	8.38	31.0	8.65	30.9	8.78	30.8	8.91	30.6	9.17	30.5	9.44
	-3.0	-4.0	33.1	8.34	32.9	8.60	32.8	8.87	32.7	9.00	32.6	9.14	32.4	9.40	32.2	9.67
	-1.0	-2.0	35.0	8.56	34.7	8.83	34.5	9.10	34.4	9.23	34.3	9.36	34.1	9.63	33.9	9.90
	0.0	-1.0	35.9	8.67	35.7	8.94	35.4	9.21	35.3	9.34	35.2	9.48	35.0	9.75	34.8	10.02
	2.0	1.0	37.7	8.89	37.5	9.16	37.2	9.44	37.1	9.57	37.0	9.71	36.7	9.98	35.8	9.94
	5.0	4.0	40.6	9.23	40.4	9.50	40.1	9.78	39.9	9.92	39.8	10.06	39.0	10.10	36.0	9.29
	7.0	6.0	42.4	9.46	42.1	9.73	41.8	10.01	41.7	10.15	41.5	10.29	39.0	9.67	36.0	8.89
	9.0	7.8	44.0	9.66	43.7	9.94	43.4	10.22	43.2	10.36	42.0	10.06	39.0	9.30	36.0	8.56
	12.0	10.6	46.6	9.99	46.2	10.27	45.0	10.21	43.4	9.84	42.0	9.48	39.0	8.77	36.0	8.07
	15.0	13.5	49.2	10.32	48.0	10.30	45.0	9.61	43.4	9.27	42.0	8.93	39.0	8.27	36.0	7.61
41.3 (110%)	-19.3	-20.0	19.5	6.76	19.4	7.01	19.4	7.26	19.3	7.38	19.3	7.50	19.2	7.75	19.2	8.00
	-15.0	-16.0	22.7	7.22	22.6	7.47	22.5	7.72	22.4	7.85	22.4	7.97	22.3	8.22	22.2	8.47
	-12.0	-13.0	25.1	7.56	25.0	7.82	24.9	8.07	24.9	8.20	24.8	8.32	24.7	8.58	24.6	8.83
	-9.0	-10.0	27.7	7.91	27.6	8.16	27.4	8.42	27.3	8.55	27.3	8.68	27.1	8.94	27.0	9.20
	-7.0	-8.0	29.4	8.14	29.3	8.40	29.1	8.66	29.0	8.79	28.9	8.92	28.8	9.18	28.6	9.44
	-5.0	-6.0	31.2	8.37	31.0	8.63	30.8	8.90	30.7	9.03	30.6	9.16	30.5	9.42	30.3	9.68
	-3.0	-4.0	32.9	8.61	32.8	8.87	32.6	9.14	32.5	9.27	32.4	9.40	32.2	9.66	32.0	9.93
	-1.0	-2.0	34.7	8.84	34.5	9.11	34.3	9.38	34.2	9.51	34.1	9.64	33.9	9.91	32.6	9.73
	0.0	-1.0	35.6	8.96	35.4	9.23	35.2	9.50	35.1	9.63	35.0	9.77	34.7	10.03	32.7	9.50
	2.0	1.0	37.5	9.20	37.2	9.47	37.0	9.74	36.8	9.88	36.7	10.01	35.5	9.86	32.8	9.08
	5.0	4.0	40.3	9.57	40.0	9.84	39.7	10.11	39.6	10.25	38.5	9.97	35.7	9.22	33.0	8.49
	7.0	6.0	42.0	9.81	41.7	10.09	41.2	10.26	39.8	9.90	38.5	9.54	35.7	8.83	33.0	8.13
	9.0	7.8	43.6	10.03	43.3	10.31	41.2	9.87	39.8	9.52	38.5	9.18	35.7	8.50	33.0	7.83
	12.0	10.6	46.1	10.38	44.0	9.96	41.2	9.30	39.8	8.98	38.5	8.65	35.7	8.01	33.0	7.38
	15.0	13.5	46.7	10.01	44.0	9.39	41.2	8.77	39.8	8.46	38.5	8.16	35.7	7.56	33.0	6.97

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ✳108LALH

● Capacity : 37.5 kW (12HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
37.5 (100%)	-19.3	-20.0	19.5	6.94	19.4	7.19	19.3	7.44	19.3	7.56	19.3	7.68	19.2	7.93	19.1	8.18
	-15.0	-16.0	22.6	7.43	22.5	7.68	22.4	7.93	22.4	8.06	22.3	8.18	22.2	8.43	22.1	8.68
	-12.0	-13.0	25.0	7.80	24.9	8.05	24.8	8.30	24.8	8.43	24.7	8.56	24.6	8.81	24.5	9.07
	-9.0	-10.0	27.5	8.17	27.4	8.43	27.3	8.68	27.2	8.81	27.1	8.94	27.0	9.20	26.8	9.45
	-7.0	-8.0	29.2	8.42	29.1	8.68	28.9	8.94	28.9	9.07	28.8	9.20	28.6	9.45	28.5	9.71
	-5.0	-6.0	31.0	8.67	30.8	8.93	30.6	9.19	30.5	9.32	30.4	9.45	30.3	9.71	29.5	9.71
	-3.0	-4.0	32.7	8.93	32.5	9.19	32.3	9.45	32.2	9.58	32.1	9.71	31.9	9.98	29.6	9.25
	-1.0	-2.0	34.5	9.18	34.3	9.45	34.0	9.71	33.9	9.84	33.8	9.98	32.1	9.58	29.7	8.82
	0.0	-1.0	35.3	9.31	35.1	9.58	34.9	9.84	34.8	9.97	34.7	10.10	32.2	9.35	29.7	8.61
	2.0	1.0	37.1	9.57	36.9	9.84	36.6	10.10	36.0	10.01	34.7	9.65	32.3	8.93	29.8	8.23
	5.0	4.0	39.9	9.96	39.6	10.23	37.5	9.69	36.2	9.36	35.0	9.02	32.4	8.36	30.0	7.70
	7.0	6.0	41.6	10.23	40.0	9.93	37.5	9.28	36.2	8.96	35.0	8.64	32.4	8.00	30.0	7.38
	9.0	7.8	42.5	10.19	40.0	9.55	37.5	8.93	36.2	8.62	35.0	8.31	32.4	7.70	30.0	7.11
	12.0	10.6	42.4	9.60	40.0	9.01	37.5	8.42	36.2	8.13	35.0	7.84	32.4	7.27	30.0	6.71
	15.0	13.5	42.5	9.05	40.0	8.49	37.5	7.94	36.2	7.66	35.0	7.39	32.4	6.86	30.0	6.33
33.8 (90%)	-19.3	-20.0	19.4	7.16	19.3	7.41	19.3	7.65	19.2	7.78	19.2	7.90	19.1	8.15	19.1	8.39
	-15.0	-16.0	22.5	7.69	22.4	7.94	22.3	8.19	22.3	8.31	22.2	8.44	22.1	8.69	22.0	8.93
	-12.0	-13.0	24.9	8.09	24.8	8.34	24.7	8.59	24.6	8.72	24.6	8.84	24.4	9.09	24.3	9.35
	-9.0	-10.0	27.4	8.49	27.2	8.74	27.1	9.00	27.0	9.13	27.0	9.25	26.8	9.51	26.5	9.65
	-7.0	-8.0	29.0	8.76	28.9	9.02	28.7	9.27	28.7	9.40	28.6	9.53	28.4	9.79	26.5	9.16
	-5.0	-6.0	30.7	9.03	30.6	9.29	30.4	9.55	30.3	9.68	30.2	9.81	28.8	9.46	26.6	8.72
	-3.0	-4.0	32.4	9.31	32.2	9.57	32.0	9.83	31.9	9.96	31.1	9.72	28.9	9.01	26.6	8.30
	-1.0	-2.0	34.1	9.59	33.9	9.85	33.4	9.96	32.3	9.61	31.2	9.27	28.9	8.59	26.7	7.92
	0.0	-1.0	35.0	9.73	34.8	9.99	33.4	9.73	32.3	9.39	31.2	9.06	29.0	8.40	26.7	7.74
	2.0	1.0	36.7	10.01	35.7	9.94	33.5	9.29	32.4	8.97	31.3	8.65	29.0	8.02	26.8	7.40
	5.0	4.0	38.2	9.90	36.0	9.29	33.7	8.69	32.6	8.39	31.5	8.09	29.2	7.51	27.0	6.93
	7.0	6.0	38.2	9.47	35.9	8.89	33.7	8.32	32.6	8.03	31.5	7.75	29.2	7.19	27.0	6.64
	9.0	7.8	38.2	9.12	36.0	8.56	33.7	8.01	32.6	7.73	31.5	7.46	29.2	6.93	27.0	6.40
	12.0	10.6	38.2	8.60	35.9	8.07	33.7	7.55	32.6	7.30	31.5	7.04	29.2	6.54	27.0	6.04
	15.0	13.5	38.2	8.10	36.0	7.61	33.7	7.13	32.6	6.89	31.5	6.65	29.2	6.17	27.0	5.71
30.0 (80%)	-19.3	-20.0	19.3	7.44	19.3	7.68	19.2	7.93	19.2	8.05	19.1	8.17	19.0	8.42	19.0	8.66
	-15.0	-16.0	22.4	8.01	22.3	8.25	22.2	8.50	22.2	8.63	22.1	8.75	22.0	9.00	21.9	9.25
	-12.0	-13.0	24.8	8.44	24.6	8.69	24.5	8.94	24.5	9.07	24.4	9.19	24.3	9.44	23.4	9.28
	-9.0	-10.0	27.2	8.88	27.0	9.13	26.9	9.39	26.8	9.51	26.7	9.64	25.5	9.28	23.5	8.56
	-7.0	-8.0	28.8	9.18	28.6	9.43	28.5	9.69	28.4	9.81	27.5	9.51	25.5	8.82	23.6	8.14
	-5.0	-6.0	30.4	9.48	30.3	9.73	29.5	9.71	28.5	9.38	27.6	9.05	25.6	8.39	23.6	7.74
	-3.0	-4.0	32.1	9.78	31.6	9.88	29.6	9.25	28.6	8.93	27.6	8.62	25.7	7.99	23.7	7.38
	-1.0	-2.0	33.6	10.04	31.7	9.42	29.7	8.82	28.7	8.52	27.7	8.22	25.7	7.63	23.7	7.04
	0.0	-1.0	33.7	9.80	31.7	9.21	29.7	8.61	28.7	8.32	27.7	8.03	25.7	7.45	23.8	6.89
	2.0	1.0	33.9	9.36	31.8	8.79	29.8	8.23	28.8	7.95	27.8	7.68	25.8	7.13	23.9	6.58
	5.0	4.0	34.0	8.75	32.0	8.22	30.0	7.70	29.0	7.44	28.0	7.19	26.0	6.67	24.0	6.17
	7.0	6.0	34.0	8.38	32.0	7.88	30.0	7.38	29.0	7.13	28.0	6.89	26.0	6.40	24.0	5.92
	9.0	7.8	34.0	8.07	32.0	7.58	30.0	7.11	29.0	6.87	28.0	6.63	26.0	6.16	24.0	5.70
	12.0	10.6	34.0	7.61	32.0	7.16	29.9	6.71	29.0	6.49	28.0	6.26	26.0	5.83	24.0	5.39
	15.0	13.5	34.0	7.18	32.0	6.75	29.9	6.33	29.0	6.12	28.0	5.91	26.0	5.50	24.0	5.10
26.3 (70%)	-19.3	-20.0	19.2	7.78	19.2	8.03	19.1	8.27	19.1	8.39	19.0	8.51	19.0	8.76	18.9	9.00
	-15.0	-16.0	22.2	8.41	22.1	8.66	22.0	8.90	22.0	9.03	21.9	9.15	21.9	9.40	20.4	8.83
	-12.0	-13.0	24.5	8.89	24.4	9.14	24.3	9.39	24.3	9.51	23.9	9.47	22.2	8.79	20.5	8.11
	-9.0	-10.0	26.9	9.38	26.7	9.63	25.7	9.38	24.9	9.06	24.0	8.74	22.3	8.12	20.6	7.50
	-7.0	-8.0	28.5	9.70	27.5	9.51	25.8	8.90	24.9	8.60	24.1	8.31	22.3	7.71	20.6	7.13
	-5.0	-6.0	29.3	9.63	27.6	9.05	25.8	8.47	25.0	8.19	24.1	7.90	22.4	7.34	20.7	6.79
	-3.0	-4.0	29.4	9.17	27.6	8.62	25.9	8.07	25.0	7.80	24.2	7.53	22.4	7.00	20.7	6.47
	-1.0	-2.0	29.4	8.74	27.7	8.22	26.0	7.70	25.1	7.44	24.2	7.19	22.5	6.68	20.8	6.18
	0.0	-1.0	29.5	8.54	27.7	8.03	26.0	7.53	25.1	7.28	24.3	7.03	22.5	6.53	20.8	6.04
	2.0	1.0	29.5	8.16	27.8	7.68	26.0	7.19	25.2	6.96	24.3	6.72	22.6	6.25	20.9	5.78
	5.0	4.0	29.7	7.64	28.0	7.19	26.2	6.74	25.3	6.52	24.5	6.30	22.7	5.86	21.0	5.42
	7.0	6.0	29.7	7.32	28.0	6.89	26.2	6.46	25.3	6.25	24.5	6.04	22.7	5.62	21.0	5.21
	9.0	7.8	29.7	7.05	28.0	6.63	26.2	6.22	25.3	6.02	24.5	5.82	22.7	5.42	21.0	5.02
	12.0	10.6	29.7	6.65	28.0	6.26	26.2	5.88	25.3	5.69	24.5	5.50	22.7	5.12	21.0	4.75
	15.0	13.5	29.7	6.28	28.0	5.91	26.2	5.55	25.3	5.38	24.5	5.20	22.7	4.84	21.0	4.49
22.5 (60%)	-19.3	-20.0	19.1	8.24	19.0	8.48	19.0	8.73	18.9	8.85	18.9	8.97	18.8	9.21	17.4	8.54
	-15.0	-16.0	22.0	8.94	21.9	9.19	21.8	9.43	21.1	9.14	20.4	8.83	19.0	8.20	17.5	7.58
	-12.0	-13.0	24.3	9.48	23.4	9.28	22.0	8.69	21.2	8.40	20.5	8.11	19.0	7.54	17.6	6.97
	-9.0	-10.0	25.0	9.10	23.5	8.56	22.0	8.03	21.3	7.76	20.6	7.50	19.1	6.97	17.6	6.45
	-7.0	-8.0	25.0	8.65	23.6	8.14	22.1	7.63	21.3	7.38	20.6	7.13	19.1	6.63	17.7	6.13
	-5.0	-6.0	25.1	8.23	23.6	7.74	22.1	7.26	21.4	7.02	20.7	6.79	19.2	6.31	17.7	5.85
	-3.0	-4.0	25.2	7.84	23.7	7.38	22.2	6.92	21.4	6.70	20.7	6.47	19.2	6.02	17.7	5.58
	-1.0	-2.0	25.2	7.48	23.7	7.04	22.2	6.61	21.5	6.40	20.8	6.18	19.3	5.76	17.8	5.33
	0.0	-1.0	25.2	7.31	23.8	6.89	22.3	6.46	21.5	6.25	20.8	6.04	19.3	5.63	17.8	5.22
	2.0	1.0	25.3	6.99	23.9	6.58	22.4	6.18	21.6	5.98	20.9	5.78	19.4	5.39	17.8	5.00
	5.0	4.0	25.5	6.55	24.0	6.17	22.5	5.80	21.7	5.61	21.0	5.42	19.5	5.06	18.0	4.69
	7.0	6.0	25.5	6.28	24.0	5.92	22.5	5.56	21.7	5.38	21.0	5.21	19.5	4.85	18.0	4.51
	9.0	7.8	25.5	6.05	24.0	5.70	22.5	5.36	21.7	5.19	21.0	5.02	19.5	4.68	18.0	4.35
	12.0	10.6	25.5	5.72	24.0	5.39	22.5	5.07	21.7	4.91	21.0	4.75	19.5	4.43	18.0	4.12
	15.0	13.5	25.5	5.40	23.9	5.10	22.5	4.79	21.7	4.64	21.0	4.49	19.5	4.20	18.0	3.90
18.8 (50%)	-19.3	-20.0	18.9	8.87	18.8	9.11	18.1	8.89	17.5	8.60	16.9	8.30	15.7	7.72	14.5	7.14
	-15.0	-16.0	20.7	8.93	19.4	8.41	18.2	7.89	17.6	7.63	17.0	7.37	15.8	6.86	14.6	6.35
	-12.0	-13.0	20.7	8.21	19.5	7.73	18.3	7.26	17.7	7.02	17.1	6.79	15.8	6.32	14.6	5.85
	-9.0	-10.0	20.8	7.58	19.6	7.14	18.4	6.71	17.7	6.49	17.1	6.28	15.9	5.85	14.7	5.42
	-7.0	-8.0	20.9	7.21	19.6	6.79	18.4	6.38	17.8	6.18	17.2	5.97	15.9	5.57	14.7	5.16
	-5.0	-6.0	20.9	6.87	19.7	6.47	18.4	6.08	17.8	5.89	17.2	5.69	16.0	5.31	14.7	4.92
	-3.0	-4.0	21.0	6.55	19.7	6.17	18.5	5.80	17.9	5.62	17.2	5.43	16.0	5.07	14.8	4.71
	-1.0	-2.0	21.0	6.25	19.8	5.90	18.5	5.54	17.9	5.37	17.3	5.19	16.1	4.85	14.8	4.50
	0.0	-1.0	21.0	6.11	19.8	5.77	18.5	5.42	17.9	5.25	17.3	5.08	16.1	4.74	14.8	4.41
	2.0	1.0	21.1	5.85	19.9	5.52	18.6	5.19	18.0	5.03	17.4	4.87	16.1	4.54	15.0	4.22
	5.0	4.0	21.2	5.49	20.0	5.18	18.7	4.87	18.1	4.72	17.5	4.57	16.2	4.27	15.0	3.97
	7.0	6.0	21.2	5.26	20.0	4.97	18.7	4.68	18.1	4.53	17.5	4.39	16.2	4.10	15.0	3.82
	9.0	7.8	21.2	5.08	20.0	4.79	18.7	4.52	18.1	4.38	17.5	4.24	16.2	3.96	15.0	3.69
	12.0	10.6	21.2	4.80	20.0	4.54	18.7	4.28	18.1	4.15	17.5	4.02	16.2	3.76	15.0	3.50
	15.0	13.5	21.2	4.54	20.0	4.30	18.7	4.05	18.1	3.93	17.5	3.81	16.2	3.56	15.0	3.32

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ✳126LALH

● Capacity : 45.0 kW (14HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
67.5 (150%)	-19.3	-20.0	23.6	7.75	23.5	8.06	23.5	8.36	23.4	8.52	23.4	8.67	23.3	8.98	23.3	9.29
	-15.0	-16.0	27.5	8.20	27.4	8.51	27.3	8.83	27.2	8.98	27.2	9.14	27.1	9.45	27.0	9.77
	-12.0	-13.0	30.5	8.54	30.4	8.86	30.3	9.17	30.2	9.33	30.2	9.49	30.0	9.81	29.9	10.13
	-9.0	-10.0	33.7	8.87	33.5	9.20	33.4	9.52	33.3	9.68	33.2	9.84	33.1	10.16	32.9	10.49
	-7.0	-8.0	35.8	9.10	35.7	9.42	35.5	9.75	35.4	9.91	35.3	10.08	35.1	10.40	35.0	10.73
	-5.0	-6.0	38.0	9.32	37.8	9.65	37.6	9.98	37.5	10.14	37.4	10.31	37.2	10.64	37.0	10.97
	-3.0	-4.0	40.3	9.55	40.0	9.88	39.8	10.21	39.7	10.38	39.6	10.54	39.4	10.88	39.2	11.21
	-1.0	-2.0	42.5	9.77	42.3	10.11	42.0	10.44	41.9	10.61	41.8	10.78	41.5	11.11	41.3	11.45
	0.0	-1.0	43.7	9.88	43.4	10.22	43.2	10.56	43.0	10.73	42.9	10.89	42.6	11.23	42.4	11.57
	2.0	1.0	46.0	10.11	45.7	10.45	45.4	10.79	45.3	10.96	45.1	11.13	44.9	11.47	44.6	11.81
	5.0	4.0	49.6	10.45	49.3	10.79	49.0	11.14	48.8	11.31	48.6	11.49	48.3	11.83	48.0	12.18
	7.0	6.0	51.9	10.68	51.5	11.02	51.2	11.37	51.0	11.55	50.8	11.72	50.5	12.07	50.1	12.42
	9.0	7.8	53.9	10.88	53.5	11.23	53.2	11.59	53.0	11.76	52.8	11.94	52.4	12.29	52.0	12.65
	12.0	10.6	57.1	11.20	56.7	11.56	56.3	11.92	56.1	12.10	55.9	12.28	55.4	12.64	54.0	12.60
	15.0	13.5	60.4	11.54	60.0	11.90	59.5	12.27	59.3	12.45	59.1	12.63	58.5	12.94	54.0	11.88
63.0 (140%)	-19.3	-20.0	23.6	7.87	23.5	8.17	23.4	8.48	23.4	8.63	23.4	8.79	23.3	9.10	23.2	9.40
	-15.0	-16.0	27.4	8.34	27.4	8.65	27.3	8.97	27.2	9.12	27.2	9.28	27.1	9.59	27.0	9.91
	-12.0	-13.0	30.5	8.70	30.4	9.01	30.2	9.33	30.2	9.49	30.1	9.65	30.0	9.97	29.9	10.28
	-9.0	-10.0	33.6	9.05	33.5	9.37	33.3	9.69	33.2	9.85	33.1	10.02	33.0	10.34	32.8	10.66
	-7.0	-8.0	35.7	9.29	35.6	9.61	35.4	9.94	35.3	10.10	35.2	10.26	35.0	10.59	34.9	10.91
	-5.0	-6.0	37.9	9.52	37.7	9.85	37.5	10.18	37.4	10.34	37.3	10.51	37.1	10.84	36.9	11.16
	-3.0	-4.0	40.1	9.76	39.9	10.09	39.7	10.42	39.6	10.59	39.5	10.75	39.2	11.09	39.0	11.42
	-1.0	-2.0	42.4	10.00	42.1	10.33	41.9	10.67	41.8	10.83	41.6	11.00	41.4	11.34	41.1	11.67
	0.0	-1.0	43.5	10.12	43.2	10.45	43.0	10.79	42.9	10.96	42.7	11.13	42.5	11.46	42.2	11.80
	2.0	1.0	45.8	10.36	45.5	10.70	45.2	11.04	45.1	11.21	44.9	11.38	44.6	11.72	44.4	12.06
	5.0	4.0	49.4	10.72	49.0	11.06	48.7	11.41	48.6	11.58	48.4	11.75	48.1	12.10	47.7	12.44
	7.0	6.0	51.6	10.96	51.2	11.31	50.9	11.66	50.7	11.83	50.5	12.01	50.2	12.35	49.8	12.70
	9.0	7.8	53.6	11.18	53.2	11.53	52.9	11.88	52.7	12.06	52.5	12.23	52.1	12.59	50.3	12.42
	12.0	10.6	56.7	11.53	56.3	11.88	55.9	12.24	55.7	12.42	55.5	12.59	54.6	12.75	50.3	11.71
	15.0	13.5	60.0	11.89	59.5	12.25	59.1	12.61	58.9	12.79	58.6	12.97	54.6	12.02	50.3	11.04
58.5 (130%)	-19.3	-20.0	23.6	8.00	23.5	8.31	23.4	8.62	23.4	8.77	23.4	8.92	23.3	9.23	23.2	9.54
	-15.0	-16.0	27.4	8.50	27.3	8.82	27.2	9.13	27.2	9.28	27.1	9.44	27.0	9.75	26.9	10.06
	-12.0	-13.0	30.4	8.88	30.3	9.19	30.2	9.51	30.1	9.67	30.0	9.83	29.9	10.14	29.8	10.46
	-9.0	-10.0	33.5	9.25	33.4	9.57	33.2	9.89	33.1	10.05	33.0	10.21	32.9	10.54	32.7	10.86
	-7.0	-8.0	35.6	9.50	35.5	9.83	35.3	10.15	35.2	10.31	35.1	10.47	34.9	10.80	34.7	11.12
	-5.0	-6.0	37.8	9.75	37.6	10.08	37.4	10.41	37.3	10.57	37.2	10.73	37.0	11.06	36.8	11.39
	-3.0	-4.0	40.0	10.01	39.7	10.34	39.5	10.67	39.4	10.83	39.3	11.00	39.1	11.33	38.9	11.66
	-1.0	-2.0	42.2	10.26	41.9	10.59	41.7	10.93	41.6	11.09	41.4	11.26	41.2	11.59	40.9	11.93
	0.0	-1.0	43.3	10.39	43.0	10.72	42.8	11.06	42.7	11.22	42.5	11.39	42.3	11.73	42.0	12.06
	2.0	1.0	45.5	10.64	45.3	10.98	45.0	11.32	44.8	11.49	44.7	11.66	44.4	11.99	44.1	12.33
	5.0	4.0	49.1	11.03	48.7	11.37	48.4	11.71	48.3	11.88	48.1	12.06	47.8	12.40	46.8	12.46
	7.0	6.0	51.3	11.29	50.9	11.63	50.6	11.98	50.4	12.15	50.2	12.33	49.9	12.67	46.8	11.93
	9.0	7.8	53.2	11.52	52.9	11.87	52.5	12.22	52.3	12.40	52.1	12.57	50.7	12.50	46.8	11.48
	12.0	10.6	56.3	11.89	55.9	12.25	55.5	12.60	55.3	12.78	54.6	12.75	50.7	11.78	46.8	10.83
	15.0	13.5	59.5	12.28	59.0	12.64	58.5	12.94	56.5	12.48	54.6	12.02	50.7	11.11	46.8	10.21
54.0 (120%)	-19.3	-20.0	23.5	8.16	23.5	8.47	23.4	8.78	23.3	8.93	23.3	9.08	23.2	9.39	23.2	9.69
	-15.0	-16.0	27.3	8.69	27.2	9.00	27.1	9.31	27.1	9.47	27.0	9.63	26.9	9.94	26.8	10.25
	-12.0	-13.0	30.3	9.09	30.2	9.40	30.1	9.72	30.0	9.88	30.0	10.03	29.8	10.35	29.7	10.67
	-9.0	-10.0	33.4	9.48	33.2	9.80	33.1	10.12	33.0	10.28	32.9	10.45	32.8	10.77	32.6	11.09
	-7.0	-8.0	35.5	9.75	35.3	10.07	35.1	10.40	35.1	10.56	35.0	10.72	34.8	11.04	34.6	11.37
	-5.0	-6.0	37.6	10.02	37.4	10.35	37.2	10.67	37.1	10.83	37.0	11.00	36.8	11.32	36.6	11.65
	-3.0	-4.0	39.8	10.29	39.6	10.62	39.3	10.95	39.2	11.11	39.1	11.28	38.9	11.61	38.7	11.93
	-1.0	-2.0	42.0	10.56	41.7	10.89	41.5	11.22	41.3	11.39	41.2	11.56	41.0	11.89	40.7	12.22
	0.0	-1.0	43.1	10.70	42.8	11.03	42.5	11.36	42.4	11.53	42.3	11.70	42.0	12.03	41.8	12.36
	2.0	1.0	45.3	10.97	45.0	11.31	44.7	11.64	44.6	11.81	44.4	11.98	44.1	12.32	42.9	12.25
	5.0	4.0	48.7	11.39	48.4	11.73	48.1	12.07	47.9	12.24	47.8	12.41	46.8	12.46	43.2	11.46
	7.0	6.0	50.9	11.66	50.5	12.01	50.2	12.35	50.0	12.52	49.8	12.70	46.8	11.93	43.2	10.97
	9.0	7.8	52.8	11.92	52.4	12.26	52.1	12.61	51.9	12.78	50.4	12.42	46.8	11.48	43.2	10.56
	12.0	10.6	55.8	12.31	55.4	12.67	54.0	12.60	52.2	12.16	50.4	11.71	46.8	10.83	43.2	9.97
	15.0	13.5	58.9	12.73	57.6	12.73	54.0	11.88	52.2	11.45	50.4	11.04	46.8	10.21	43.2	9.40
49.5 (110%)	-19.3	-20.0	23.5	8.35	23.4	8.66	23.3	8.96	23.3	9.11	23.3	9.27	23.2	9.57	23.1	9.88
	-15.0	-16.0	27.3	8.91	27.2	9.22	27.1	9.53	27.0	9.69	27.0	9.84	26.9	10.15	26.8	10.47
	-12.0	-13.0	30.2	9.33	30.1	9.65	30.0	9.96	29.9	10.12	29.9	10.28	29.7	10.59	29.6	10.91
	-9.0	-10.0	33.3	9.76	33.1	10.08	33.0	10.40	32.9	10.56	32.8	10.72	32.6	11.04	32.5	11.36
	-7.0	-8.0	35.3	10.04	35.2	10.37	35.0	10.69	34.9	10.85	34.8	11.01	34.6	11.33	34.5	11.65
	-5.0	-6.0	37.4	10.33	37.2	10.66	37.0	10.98	36.9	11.14	36.8	11.31	36.6	11.63	36.4	11.96
	-3.0	-4.0	39.6	10.62	39.3	10.95	39.1	11.28	39.0	11.44	38.9	11.60	38.7	11.93	38.4	12.26
	-1.0	-2.0	41.7	10.91	41.5	11.24	41.2	11.57	41.1	11.74	41.0	11.90	40.7	12.23	39.2	11.98
	0.0	-1.0	42.8	11.06	42.5	11.39	42.3	11.72	42.1	11.89	42.0	12.05	41.7	12.39	39.2	11.71
	2.0	1.0	44.9	11.35	44.7	11.69	44.4	12.02	44.2	12.19	44.1	12.36	42.6	12.16	39.3	11.19
	5.0	4.0	48.3	11.80	48.0	12.14	47.7	12.48	47.5	12.65	46.2	12.29	42.9	11.37	39.6	10.47
	7.0	6.0	50.4	12.10	50.1	12.44	49.5	12.66	47.8	12.21	46.2	11.77	42.9	10.89	39.6	10.03
	9.0	7.8	52.3	12.38	52.0	12.72	49.5	12.18	47.8	11.75	46.2	11.33	42.9	10.49	39.6	9.66
	12.0	10.6	55.2	12.80	52.8	12.30	49.5	11.49	47.8	11.09	46.2	10.69	42.9	9.90	39.6	9.12
	15.0	13.5	56.0	12.37	52.8	11.59	49.5	10.83	47.8	10.45	46.2	10.08	42.9	9.34	39.6	8.61

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ✳126LALH

● Capacity : 45.0 kW (14HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
45.0 (100%)	-19.3	-20.0	23.4	8.57	23.4	8.88	23.3	9.18	23.3	9.34	23.2	9.49	23.1	9.80	23.1	10.10
	-15.0	-16.0	27.2	9.17	27.1	9.48	27.0	9.79	26.9	9.95	26.9	10.10	26.8	10.41	26.7	10.73
	-12.0	-13.0	30.1	9.63	30.0	9.94	29.9	10.26	29.8	10.41	29.7	10.57	29.6	10.88	29.5	11.20
	-9.0	-10.0	33.1	10.09	33.0	10.40	32.8	10.72	32.7	10.88	32.6	11.04	32.5	11.36	32.3	11.67
	-7.0	-8.0	35.1	10.39	35.0	10.71	34.8	11.03	34.7	11.19	34.6	11.35	34.4	11.67	34.3	12.00
	-5.0	-6.0	37.2	10.70	37.0	11.03	36.8	11.35	36.7	11.51	36.6	11.67	36.4	12.00	35.5	11.95
	-3.0	-4.0	39.3	11.02	39.1	11.34	38.9	11.67	38.7	11.83	38.6	11.99	38.4	12.32	35.5	11.38
	-1.0	-2.0	41.4	11.33	41.1	11.66	40.9	11.99	40.8	12.15	40.7	12.31	38.6	11.79	35.6	10.86
	0.0	-1.0	42.4	11.49	42.2	11.82	41.9	12.15	41.8	12.31	41.6	12.45	38.6	11.52	35.7	10.61
	2.0	1.0	44.6	11.81	44.3	12.14	44.0	12.47	43.2	12.34	41.7	11.89	38.7	11.01	35.7	10.15
	5.0	4.0	47.9	12.29	47.6	12.63	45.0	11.96	43.5	11.54	42.0	11.13	39.0	10.31	36.0	9.50
	7.0	6.0	49.9	12.62	48.0	12.25	45.0	11.45	43.5	11.05	42.0	10.66	39.0	9.88	36.0	9.10
	9.0	7.8	51.0	12.57	48.0	11.79	45.0	11.02	43.5	10.64	42.0	10.26	39.0	9.51	36.0	8.77
	12.0	10.6	51.0	11.86	48.0	11.12	45.0	10.40	43.5	10.04	42.0	9.68	39.0	8.98	36.0	8.28
	15.0	13.5	51.0	11.18	48.0	10.49	45.0	9.81	43.5	9.47	42.0	9.14	39.0	8.47	36.0	7.82
40.5 (90%)	-19.3	-20.0	23.4	8.85	23.3	9.15	23.2	9.46	23.2	9.61	23.2	9.76	23.1	10.07	23.0	10.37
	-15.0	-16.0	27.1	9.49	27.0	9.80	26.9	10.11	26.8	10.27	26.8	10.42	26.7	10.73	26.6	11.04
	-12.0	-13.0	30.0	9.98	29.8	10.30	29.7	10.61	29.7	10.77	29.6	10.92	29.5	11.23	29.3	11.55
	-9.0	-10.0	32.9	10.48	32.8	10.80	32.6	11.11	32.5	11.27	32.5	11.43	32.3	11.75	31.8	11.86
	-7.0	-8.0	34.9	10.81	34.7	11.13	34.6	11.45	34.5	11.61	34.4	11.77	34.2	12.09	31.8	11.27
	-5.0	-6.0	36.9	11.15	36.7	11.47	36.5	11.79	36.4	11.95	36.3	12.11	34.6	11.64	31.9	10.73
	-3.0	-4.0	39.0	11.49	38.7	11.81	38.5	12.14	38.4	12.30	37.3	11.97	34.6	11.09	32.0	10.23
	-1.0	-2.0	41.0	11.83	40.8	12.16	40.1	12.26	38.7	11.84	37.4	11.42	34.7	10.58	32.1	9.76
	0.0	-1.0	42.0	12.01	41.8	12.33	40.1	11.98	38.8	11.57	37.4	11.16	34.8	10.34	32.1	9.54
	2.0	1.0	44.1	12.35	42.9	12.25	40.2	11.45	38.9	11.06	37.5	10.66	34.8	9.89	32.2	9.12
	5.0	4.0	45.9	12.21	43.2	11.46	40.5	10.72	39.1	10.35	37.8	9.98	35.1	9.26	32.4	8.55
	7.0	6.0	45.9	11.69	43.2	10.97	40.5	10.26	39.1	9.91	37.8	9.57	35.1	8.88	32.4	8.20
	9.0	7.8	45.9	11.25	43.2	10.56	40.5	9.88	39.1	9.55	37.8	9.21	35.1	8.55	32.4	7.90
	12.0	10.6	45.9	10.61	43.2	9.97	40.5	9.33	39.1	9.01	37.8	8.70	35.1	8.08	32.4	7.46
	15.0	13.5	45.9	10.01	43.2	9.40	40.5	8.80	39.1	8.51	37.8	8.21	35.1	7.63	32.4	7.05
36.0 (80%)	-19.3	-20.0	23.3	9.19	23.2	9.49	23.1	9.79	23.1	9.95	23.1	10.10	23.0	10.40	22.9	10.70
	-15.0	-16.0	27.0	9.89	26.9	10.20	26.8	10.51	26.7	10.66	26.7	10.81	26.6	11.12	26.4	11.43
	-12.0	-13.0	29.8	10.43	29.7	10.74	29.5	11.05	29.5	11.20	29.4	11.36	29.3	11.67	28.1	11.39
	-9.0	-10.0	32.7	10.97	32.5	11.28	32.4	11.60	32.3	11.75	32.2	11.91	30.6	11.41	28.2	10.52
	-7.0	-8.0	34.6	11.33	34.5	11.65	34.3	11.97	34.2	12.12	33.0	11.70	30.6	10.85	28.3	10.01
	-5.0	-6.0	36.6	11.70	36.4	12.02	35.5	11.95	34.3	11.54	33.1	11.13	30.7	10.33	28.4	9.53
	-3.0	-4.0	38.6	12.08	37.9	12.17	35.5	11.38	34.3	10.99	33.2	10.61	30.8	9.84	28.4	9.09
	-1.0	-2.0	40.4	12.36	38.0	11.61	35.6	10.86	34.4	10.49	33.2	10.12	30.9	9.40	28.5	8.68
	0.0	-1.0	40.4	12.08	38.0	11.34	35.7	10.61	34.5	10.25	33.3	9.90	30.9	9.19	28.5	8.49
	2.0	1.0	40.5	11.54	38.1	10.84	35.7	10.15	34.5	9.80	33.4	9.46	31.0	8.79	28.6	8.12
	5.0	4.0	40.8	10.80	38.4	10.15	36.0	9.50	34.8	9.18	33.6	8.86	31.2	8.23	28.8	7.61
	7.0	6.0	40.8	10.34	38.4	9.72	36.0	9.10	34.8	8.80	33.6	8.50	31.2	7.90	28.8	7.30
	9.0	7.8	40.8	9.96	38.4	9.36	36.0	8.77	34.8	8.48	33.6	8.19	31.2	7.61	28.8	7.04
	12.0	10.6	40.8	9.40	38.4	8.84	36.0	8.28	34.8	8.01	33.6	7.74	31.2	7.19	28.8	6.66
	15.0	13.5	40.8	8.87	38.4	8.34	36.0	7.82	34.8	7.56	33.6	7.31	31.2	6.80	28.8	6.30
31.5 (70%)	-19.3	-20.0	23.2	9.62	23.1	9.92	23.0	10.22	23.0	10.38	23.0	10.53	22.9	10.83	22.8	11.13
	-15.0	-16.0	26.8	10.39	26.7	10.70	26.6	11.01	26.5	11.16	26.5	11.31	26.4	11.62	24.5	10.82
	-12.0	-13.0	29.6	10.99	29.4	11.29	29.3	11.60	29.2	11.76	28.7	11.63	26.7	10.79	24.6	9.96
	-9.0	-10.0	32.4	11.59	32.2	11.90	30.9	11.52	29.8	11.13	28.8	10.75	26.7	9.98	24.7	9.21
	-7.0	-8.0	34.3	11.99	33.0	11.70	30.9	10.95	29.9	10.58	28.9	10.22	26.8	9.49	24.7	8.77
	-5.0	-6.0	35.2	11.84	33.1	11.13	31.0	10.43	30.0	10.08	28.9	9.73	26.9	9.04	24.8	8.35
	-3.0	-4.0	35.2	11.29	33.2	10.61	31.1	9.94	30.0	9.61	29.0	9.28	26.9	8.62	24.9	7.97
	-1.0	-2.0	35.3	10.77	33.2	10.12	31.2	9.49	30.1	9.17	29.1	8.86	27.0	8.23	24.9	7.62
	0.0	-1.0	35.4	10.52	33.3	9.90	31.2	9.27	30.2	8.97	29.1	8.66	27.0	8.05	24.9	7.45
	2.0	1.0	35.4	10.06	33.4	9.46	31.3	8.87	30.2	8.58	29.2	8.28	27.1	7.70	25.0	7.13
	5.0	4.0	35.7	9.42	33.6	8.86	31.5	8.31	30.4	8.04	29.4	7.77	27.3	7.23	25.2	6.69
	7.0	6.0	35.7	9.03	33.6	8.50	31.5	7.97	30.4	7.71	29.4	7.45	27.3	6.93	25.2	6.42
	9.0	7.8	35.7	8.70	33.6	8.19	31.5	7.68	30.4	7.43	29.4	7.18	27.3	6.69	25.2	6.20
	12.0	10.6	35.7	8.22	33.6	7.74	31.5	7.26	30.4	7.03	29.4	6.79	27.3	6.33	25.2	5.87
	15.0	13.5	35.7	7.76	33.6	7.31	31.5	6.86	30.4	6.64	29.4	6.42	27.3	5.98	25.2	5.55
27.0 (60%)	-19.3	-20.0	23.1	10.19	23.0	10.49	22.9	10.79	22.9	10.94	22.8	11.09	22.6	11.31	20.9	10.45
	-15.0	-16.0	26.6	11.06	26.5	11.36	26.3	11.60	25.4	11.21	24.5	10.82	22.8	10.06	21.0	9.29
	-12.0	-13.0	29.3	11.72	28.1	11.39	26.4	10.67	25.5	10.32	24.6	9.96	22.8	9.26	21.1	8.57
	-9.0	-10.0	30.0	11.19	28.2	10.53	26.5	9.87	25.6	9.54	24.7	9.21	22.9	8.57	21.2	7.93
	-7.0	-8.0	30.1	10.64	28.3	10.01	26.5	9.38	25.6	9.07	24.7	8.77	23.0	8.15	21.2	7.55
	-5.0	-6.0	30.1	10.13	28.4	9.53	26.6	8.94	25.7	8.64	24.8	8.35	23.0	7.77	21.3	7.20
	-3.0	-4.0	30.2	9.65	28.4	9.09	26.6	8.53	25.7	8.25	24.9	7.97	23.1	7.42	21.3	6.87
	-1.0	-2.0	30.3	9.22	28.5	8.68	26.7	8.14	25.8	7.88	24.9	7.62	23.1	7.09	21.4	6.57
	0.0	-1.0	30.3	9.01	28.5	8.48	26.7	7.96	25.8	7.71	24.9	7.45	23.2	6.94	21.4	6.43
	2.0	1.0	30.4	8.62	28.6	8.12	26.8	7.62	25.9	7.37	25.0	7.13	23.2	6.64	21.4	6.16
	5.0	4.0	30.6	8.08	28.8	7.61	27.0	7.15	26.1	6.92	25.2	6.69	23.4	6.24	21.6	5.79
	7.0	6.0	30.6	7.75	28.8	7.30	27.0	6.86	26.1	6.64	25.2	6.42	23.4	5.99	21.6	5.56
	9.0	7.8	30.6	7.47	28.8	7.04	27.0	6.62	26.1	6.41	25.2	6.20	23.4	5.78	21.6	5.37
	12.0	10.6	30.6	7.06	28.8	6.66	27.0	6.26	26.1	6.06	25.2	5.87	23.4	5.48	21.6	5.09
	15.0	13.5	30.6	6.67	28.8	6.30	27.0	5.92	26.1	5.74	25.2	5.55	23.4	5.18	21.6	4.82
22.5 (50%)	-19.3	-20.0	22.9	10.98	22.8	11.28	21.8	10.88	21.0	10.52	20.3	10.17	18.9	9.45	17.4	8.75
	-15.0	-16.0	24.8	10.95	23.3	10.31	21.9	9.67	21.1	9.36	20.4	9.04	19.0	8.42	17.5	7.79
	-12.0	-13.0	24.9	10.08	23.4	9.50	22.0	8.91	21.2	8.62	20.5	8.33	19.0	7.76	17.6	7.19
	-9.0	-10.0	25.0	9.32	23.5	8.78	22.0	8.25	21.3	7.98	20.6	7.72	19.1	7.19	17.6	6.67
	-7.0	-8.0	25.0	8.87	23.6	8.36	22.1	7.85	21.3	7.60	20.6	7.35	19.1	6.85	17.7	6.35
	-5.0	-6.0	25.1	8.45	23.6	7.96	22.1	7.48	21.4	7.24	20.7	7.01	19.2	6.53	17.7	6.06
	-3.0	-4.0	25.2	8.06	23.7	7.60	22.2	7.15	21.4	6.92	20.7	6.69	19.2	6.24	17.7	5.80
	-1.0	-2.0	25.2	7.70	23.7	7.27	22.2	6.83	21.5	6.62	20.8	6.40	19.3	5.97	17.8	5.55
	0.0	-1.0	25.2	7.53	23.8	7.11	22.3	6.68	21.5	6.47	20.8	6.26	19.3	5.84	17.8	5.43
	2.0	1.0	25.3	7.21	23.8	6.80	22.3	6.40	21.6	6.20	20.8	6.00	19.3	5.60	17.8	5.21
	5.0	4.0	25.5	6.77	24.0	6.39	22.5	6.01	21.7	5.83	21.0	5.64	19.5	5.27	18.0	4.90
	7.0	6.0	25.5	6.50	24.0	6.13	22.5	5.77	21.7	5.60	21.0	5.42	19.5	5.06	18.0	4.71
	9.0	7.8	25.5	6.27	24.0	5.92	22.5	5.57	21.7	5.40	21.0	5.23	19.5	4.89	18.0	4.55
	12.0	10.6	25.5	5.93	24.0	5.61	22.5	5.28	21.7	5.12	21.0	4.96	19.5	4.64	18.0	4.32
	15.0	13.5	25.5	5.61	24.0	5.31	22.5	5.00	21.7	4.85	21.0	4.70	19.5	4.40	18.0	4.10

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ✳144LALH

● Capacity : 50.0 kW (16HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
75.0 (150%)	-19.3	**-20.0**	26.2	8.50	26.2	8.84	26.1	9.18	26.0	9.35	26.0	9.52	25.9	9.86	25.8	10.20
	-15.0	**-16.0**	30.5	9.00	30.4	9.35	30.3	9.70	30.3	9.87	30.2	10.04	30.1	10.39	30.0	10.74
	-12.0	**-13.0**	33.9	9.38	33.8	9.73	33.7	10.08	33.6	10.26	33.5	10.43	33.4	10.78	33.2	11.14
	-9.0	**-10.0**	37.4	9.75	37.3	10.11	37.1	10.46	37.0	10.64	36.9	10.82	36.7	11.18	36.6	11.53
	-7.0	**-8.0**	39.8	10.00	39.6	10.36	39.4	10.72	39.3	10.90	39.2	11.08	39.0	11.44	38.8	11.80
	-5.0	**-6.0**	42.3	10.24	42.0	10.61	41.8	10.97	41.7	11.15	41.6	11.34	41.4	11.70	41.2	12.07
	-3.0	**-4.0**	44.7	10.49	44.5	10.86	44.3	11.23	44.1	11.41	44.0	11.60	43.8	11.96	43.5	12.33
	-1.0	**-2.0**	47.3	10.74	47.0	11.11	46.7	11.48	46.6	11.67	46.4	11.86	46.2	12.23	45.9	12.60
	0.0	**-1.0**	48.5	10.87	48.2	11.24	48.0	11.61	47.8	11.80	47.7	11.99	47.4	12.36	47.1	12.73
	2.0	**1.0**	51.1	11.12	50.8	11.49	50.5	11.87	50.3	12.06	50.2	12.25	49.8	12.62	49.5	13.00
	5.0	**4.0**	55.1	11.49	54.8	11.87	54.4	12.26	54.2	12.45	54.1	12.64	53.7	13.02	53.3	13.41
	7.0	**6.0**	57.6	11.74	57.3	12.13	56.9	12.52	56.7	12.71	56.5	12.90	56.1	13.29	55.7	13.68
	9.0	**7.8**	59.9	11.97	59.5	12.36	59.1	12.75	58.9	12.95	58.7	13.14	58.2	13.53	57.8	13.93
	12.0	**10.6**	63.5	12.33	63.0	12.72	62.5	13.12	62.3	13.32	62.1	13.52	61.6	13.91	60.0	13.88
	15.0	**13.5**	67.2	12.70	66.7	13.10	66.1	13.51	65.9	13.71	65.6	13.91	64.9	14.25	60.0	13.07
70.0 (140%)	-19.3	**-20.0**	26.2	8.63	26.1	8.97	26.1	9.31	26.0	9.48	26.0	9.65	25.9	9.99	25.8	10.33
	-15.0	**-16.0**	30.5	9.16	30.4	9.50	30.3	9.85	30.2	10.02	30.2	10.20	30.1	10.54	29.9	10.89
	-12.0	**-13.0**	33.9	9.55	33.7	9.90	33.6	10.25	33.5	10.43	33.4	10.60	33.3	10.96	33.2	11.31
	-9.0	**-10.0**	37.3	9.94	37.2	10.30	37.0	10.66	36.9	10.83	36.8	11.01	36.7	11.37	36.5	11.72
	-7.0	**-8.0**	39.7	10.20	39.5	10.56	39.3	10.92	39.2	11.10	39.1	11.28	38.9	11.64	38.7	12.00
	-5.0	**-6.0**	42.1	10.47	41.9	10.83	41.7	11.19	41.6	11.37	41.5	11.56	41.3	11.92	41.0	12.28
	-3.0	**-4.0**	44.6	10.73	44.3	11.10	44.1	11.46	44.0	11.65	43.9	11.83	43.6	12.20	43.4	12.56
	-1.0	**-2.0**	47.1	10.99	46.8	11.36	46.5	11.73	46.4	11.92	46.3	12.10	46.0	12.47	45.7	12.85
	0.0	**-1.0**	48.3	11.13	48.0	11.50	47.8	11.87	47.6	12.05	47.5	12.24	47.2	12.61	46.9	12.99
	2.0	**1.0**	50.9	11.39	50.6	11.77	50.2	12.14	50.1	12.33	49.9	12.52	49.6	12.89	49.3	13.27
	5.0	**4.0**	54.8	11.79	54.5	12.17	54.1	12.55	54.0	12.74	53.8	12.93	53.4	13.32	53.0	13.70
	7.0	**6.0**	57.3	12.06	56.9	12.44	56.6	12.83	56.4	13.02	56.2	13.21	55.8	13.60	55.4	13.99
	9.0	**7.8**	59.6	12.30	59.2	12.69	58.7	13.08	58.5	13.27	58.3	13.47	57.9	13.86	56.0	13.67
	12.0	**10.6**	63.1	12.69	62.6	13.08	62.1	13.47	61.9	13.67	61.7	13.87	60.6	14.04	56.0	12.89
	15.0	**13.5**	66.7	13.09	66.2	13.48	65.7	13.88	65.4	14.08	65.2	14.28	60.6	13.22	56.0	12.14
65.0 (130%)	-19.3	**-20.0**	26.2	8.79	26.1	9.12	26.0	9.46	26.0	9.63	25.9	9.80	25.9	10.14	25.8	10.48
	-15.0	**-16.0**	30.4	9.34	30.3	9.68	30.2	10.03	30.2	10.20	30.1	10.37	30.0	10.72	29.9	11.07
	-12.0	**-13.0**	33.8	9.75	33.6	10.10	33.5	10.45	33.4	10.63	33.4	10.80	33.2	11.15	33.1	11.50
	-9.0	**-10.0**	37.2	10.17	37.1	10.52	36.9	10.88	36.8	11.05	36.7	11.23	36.5	11.59	36.4	11.94
	-7.0	**-8.0**	39.6	10.44	39.4	10.80	39.2	11.16	39.1	11.34	39.0	11.52	38.8	11.88	38.6	12.24
	-5.0	**-6.0**	42.0	10.72	41.8	11.08	41.5	11.45	41.4	11.63	41.3	11.81	41.1	12.17	40.9	12.53
	-3.0	**-4.0**	44.4	11.00	44.2	11.37	43.9	11.73	43.8	11.91	43.7	12.10	43.4	12.46	43.2	12.83
	-1.0	**-2.0**	46.9	11.28	46.6	11.65	46.3	12.02	46.2	12.20	46.1	12.39	45.8	12.76	45.5	13.13
	0.0	**-1.0**	48.1	11.42	47.8	11.79	47.5	12.16	47.4	12.35	47.3	12.53	47.0	12.91	46.7	13.28
	2.0	**1.0**	50.6	11.71	50.3	12.08	50.0	12.45	49.8	12.64	49.7	12.83	49.3	13.20	49.0	13.58
	5.0	**4.0**	54.5	12.13	54.2	12.51	53.8	12.89	53.6	13.08	53.5	13.27	53.1	13.65	52.0	13.72
	7.0	**6.0**	57.0	12.42	56.6	12.80	56.2	13.19	56.0	13.38	55.8	13.57	55.4	13.95	52.0	13.13
	9.0	**7.8**	59.2	12.68	58.7	13.07	58.3	13.45	58.1	13.65	57.9	13.84	56.3	13.76	52.0	12.64
	12.0	**10.6**	62.6	13.09	62.1	13.48	61.7	13.87	61.4	14.07	60.6	14.04	56.3	12.97	52.0	11.91
	15.0	**13.5**	66.1	13.52	65.6	13.92	65.0	14.25	62.8	13.74	60.6	13.22	56.3	12.22	52.0	11.23
60.0 (120%)	-19.3	**-20.0**	26.1	8.96	26.1	9.30	26.0	9.64	25.9	9.81	25.9	9.98	25.8	10.32	25.7	10.66
	-15.0	**-16.0**	30.4	9.54	30.3	9.89	30.2	10.23	30.1	10.41	30.0	10.58	29.9	10.92	29.8	11.27
	-12.0	**-13.0**	33.7	9.98	33.6	10.33	33.4	10.68	33.3	10.86	33.3	11.03	33.1	11.38	33.0	11.73
	-9.0	**-10.0**	37.1	10.42	36.9	10.78	36.8	11.13	36.7	11.31	36.6	11.49	36.4	11.84	36.2	12.20
	-7.0	**-8.0**	39.4	10.72	39.2	11.08	39.0	11.43	39.0	11.61	38.9	11.79	38.7	12.15	38.5	12.51
	-5.0	**-6.0**	41.8	11.02	41.6	11.38	41.4	11.74	41.3	11.92	41.1	12.10	40.9	12.46	40.7	12.82
	-3.0	**-4.0**	44.2	11.32	44.0	11.68	43.7	12.04	43.6	12.22	43.5	12.41	43.2	12.77	43.0	13.14
	-1.0	**-2.0**	46.6	11.62	46.4	11.98	46.1	12.35	45.9	12.53	45.8	12.72	45.5	13.08	45.2	13.45
	0.0	**-1.0**	47.8	11.77	47.6	12.13	47.3	12.50	47.1	12.69	47.0	12.87	46.7	13.24	46.4	13.61
	2.0	**1.0**	50.3	12.07	50.0	12.44	49.7	12.81	49.5	13.00	49.4	13.19	49.0	13.56	47.7	13.48
	5.0	**4.0**	54.2	12.53	53.8	12.91	53.4	13.28	53.3	13.47	53.1	13.66	52.0	13.72	48.0	12.61
	7.0	**6.0**	56.5	12.84	56.2	13.22	55.8	13.60	55.6	13.79	55.4	13.98	52.0	13.13	48.0	12.07
	9.0	**7.8**	58.7	13.12	58.3	13.50	57.9	13.88	57.7	14.08	56.0	13.67	52.0	12.64	48.0	11.62
	12.0	**10.6**	62.0	13.56	61.6	13.95	60.0	13.88	58.0	13.38	56.0	12.89	52.0	11.91	48.0	10.96
	15.0	**13.5**	65.5	14.02	64.0	14.01	60.0	13.07	58.0	12.60	56.0	12.14	52.0	11.23	48.0	10.33
55.0 (110%)	-19.3	**-20.0**	26.1	9.17	26.0	9.51	25.9	9.84	25.9	10.01	25.8	10.18	25.8	10.52	25.7	10.86
	-15.0	**-16.0**	30.3	9.79	30.2	10.13	30.1	10.48	30.0	10.65	30.0	10.82	29.8	11.16	29.7	11.51
	-12.0	**-13.0**	33.6	10.26	33.4	10.60	33.3	10.95	33.2	11.13	33.2	11.30	33.0	11.65	32.9	12.00
	-9.0	**-10.0**	37.0	10.73	36.8	11.08	36.6	11.43	36.5	11.61	36.4	11.79	36.3	12.14	36.1	12.49
	-7.0	**-8.0**	39.3	11.04	39.1	11.40	38.9	11.76	38.8	11.93	38.7	12.11	38.5	12.47	38.3	12.83
	-5.0	**-6.0**	41.6	11.36	41.4	11.72	41.2	12.08	41.0	12.26	40.9	12.44	40.7	12.80	40.5	13.16
	-3.0	**-4.0**	44.0	11.68	43.7	12.04	43.5	12.41	43.3	12.59	43.2	12.77	43.0	13.13	42.7	13.49
	-1.0	**-2.0**	46.3	12.01	46.1	12.37	45.8	12.74	45.7	12.92	45.5	13.10	45.2	13.47	43.5	13.19
	0.0	**-1.0**	47.5	12.17	47.3	12.53	47.0	12.90	46.8	13.08	46.7	13.27	46.4	13.64	43.6	12.89
	2.0	**1.0**	49.9	12.49	49.6	12.86	49.3	13.23	49.2	13.42	49.0	13.60	47.3	13.39	43.7	12.31
	5.0	**4.0**	53.7	12.99	53.4	13.36	53.0	13.74	52.8	13.92	51.3	13.53	47.6	12.52	44.0	11.52
	7.0	**6.0**	56.1	13.32	55.7	13.70	55.0	13.94	53.1	13.45	51.3	12.95	47.6	11.98	44.0	11.03
	9.0	**7.8**	58.1	13.62	57.7	14.00	55.0	13.41	53.1	12.93	51.3	12.46	47.6	11.53	44.0	10.62
	12.0	**10.6**	61.4	14.10	58.6	13.54	55.0	12.64	53.1	12.20	51.3	11.75	47.6	10.88	44.0	10.02
	15.0	**13.5**	62.3	13.62	58.6	12.76	55.0	11.91	53.1	11.49	51.3	11.08	47.6	10.26	44.0	9.45

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ✳144LALH

● Capacity : 50.0 kW (16HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50.0 (100%)	-19.3	**-20.0**	26.0	9.42	25.9	9.75	25.9	10.09	25.8	10.26	25.8	10.43	25.7	10.77	25.6	11.10
	-15.0	**-16.0**	30.2	10.08	30.1	10.42	30.0	10.77	29.9	10.94	29.9	11.11	29.8	11.45	29.6	11.80
	-12.0	**-13.0**	33.5	10.58	33.3	10.93	33.2	11.28	33.1	11.45	33.0	11.62	32.9	11.97	32.7	12.32
	-9.0	**-10.0**	36.8	11.09	36.6	11.44	36.4	11.79	36.4	11.97	36.3	12.14	36.1	12.50	35.9	12.85
	-7.0	**-8.0**	39.1	11.43	38.9	11.78	38.7	12.14	38.6	12.32	38.5	12.49	38.3	12.85	38.1	13.20
	-5.0	**-6.0**	41.3	11.77	41.1	12.13	40.9	12.49	40.8	12.67	40.7	12.84	40.5	13.20	39.4	13.15
	-3.0	**-4.0**	43.7	12.12	43.4	12.48	43.2	12.84	43.0	13.02	42.9	13.20	42.7	13.56	39.5	12.53
	-1.0	**-2.0**	46.0	12.47	45.7	12.83	45.4	13.19	45.3	13.37	45.2	13.56	42.9	12.98	39.6	11.95
	0.0	**-1.0**	47.2	12.64	46.9	13.01	46.6	13.37	46.4	13.55	46.2	13.71	42.9	12.68	39.6	11.68
	2.0	**1.0**	49.5	13.00	49.2	13.36	48.9	13.73	48.0	13.58	46.3	13.09	43.0	12.12	39.7	11.16
	5.0	**4.0**	53.2	13.53	52.8	13.90	50.0	13.16	48.3	12.70	46.6	12.24	43.3	11.34	40.0	10.44
	7.0	**6.0**	55.6	13.89	53.3	13.49	50.0	12.60	48.3	12.16	46.6	11.72	43.3	10.86	40.0	10.00
	9.0	**7.8**	56.6	13.84	53.3	12.98	50.0	12.12	48.3	11.70	46.6	11.28	43.3	10.45	40.0	9.63
	12.0	**10.6**	56.6	13.05	53.3	12.24	50.0	11.43	48.3	11.04	46.6	10.64	43.3	9.86	40.0	9.09
	15.0	**13.5**	56.6	12.29	53.3	11.53	50.0	10.78	48.3	10.41	46.6	10.04	43.3	9.30	40.0	8.58
45.0 (90%)	-19.3	**-20.0**	26.0	9.72	25.9	10.05	25.8	10.39	25.8	10.56	25.7	10.73	25.6	11.07	25.6	11.40
	-15.0	**-16.0**	30.1	10.43	30.0	10.77	29.9	11.12	29.8	11.29	29.8	11.46	29.6	11.80	29.5	12.14
	-12.0	**-13.0**	33.3	10.98	33.2	11.32	33.0	11.67	32.9	11.84	32.9	12.01	32.7	12.36	32.6	12.71
	-9.0	**-10.0**	36.6	11.53	36.4	11.88	36.2	12.22	36.1	12.40	36.1	12.57	35.9	12.92	35.3	13.06
	-7.0	**-8.0**	38.8	11.90	38.6	12.25	38.4	12.60	38.3	12.78	38.2	12.95	38.0	13.30	35.4	12.41
	-5.0	**-6.0**	41.0	12.27	40.8	12.62	40.6	12.98	40.5	13.16	40.4	13.33	38.4	12.81	35.5	11.80
	-3.0	**-4.0**	43.3	12.65	43.1	13.00	42.8	13.36	42.7	13.54	41.5	13.18	38.5	12.21	35.5	11.25
	-1.0	**-2.0**	45.6	13.02	45.3	13.38	44.5	13.51	43.0	13.04	41.6	12.57	38.6	11.64	35.6	10.73
	0.0	**-1.0**	46.7	13.22	46.4	13.58	44.6	13.19	43.1	12.74	41.6	12.28	38.6	11.38	35.7	10.49
	2.0	**1.0**	49.0	13.60	47.7	13.48	44.7	12.60	43.2	12.17	41.7	11.73	38.7	10.87	35.7	10.02
	5.0	**4.0**	51.0	13.44	48.0	12.61	45.0	11.79	43.5	11.38	42.0	10.98	39.0	10.18	36.0	9.39
	7.0	**6.0**	51.0	12.87	48.0	12.07	45.0	11.29	43.5	10.90	42.0	10.51	39.0	9.75	36.0	9.00
	9.0	**7.8**	51.0	12.38	48.0	11.62	45.0	10.86	43.5	10.49	42.0	10.12	39.0	9.39	36.0	8.67
	12.0	**10.6**	51.0	11.67	48.0	10.96	45.0	10.25	43.5	9.90	42.0	9.56	39.0	8.87	36.0	8.19
	15.0	**13.5**	51.0	11.00	48.0	10.33	45.0	9.67	43.5	9.34	42.0	9.01	39.0	8.37	36.0	7.73
40.0 (80%)	-19.3	**-20.0**	25.9	10.09	25.8	10.43	25.7	10.76	25.7	10.93	25.6	11.10	25.5	11.44	25.5	11.77
	-15.0	**-16.0**	29.9	10.87	29.8	11.21	29.7	11.55	29.7	11.72	29.6	11.89	29.5	12.23	29.4	12.57
	-12.0	**-13.0**	33.1	11.46	33.0	11.81	32.8	12.15	32.7	12.32	32.7	12.50	32.5	12.84	31.2	12.54
	-9.0	**-10.0**	36.3	12.07	36.1	12.41	36.0	12.76	35.9	12.93	35.8	13.11	34.0	12.56	31.4	11.58
	-7.0	**-8.0**	38.5	12.47	38.3	12.82	38.1	13.17	38.0	13.34	36.7	12.88	34.1	11.94	31.4	11.01
	-5.0	**-6.0**	40.7	12.88	40.4	13.23	39.4	13.15	38.1	12.70	36.8	12.25	34.1	11.36	31.5	10.48
	-3.0	**-4.0**	42.9	13.29	42.1	13.40	39.5	12.53	38.2	12.10	36.9	11.67	34.2	10.83	31.6	9.99
	-1.0	**-2.0**	44.9	13.61	42.2	12.78	39.6	11.95	38.3	11.54	36.9	11.14	34.3	10.33	31.7	9.53
	0.0	**-1.0**	44.9	13.30	42.3	12.48	39.6	11.68	38.3	11.28	37.0	10.88	34.3	10.10	31.7	9.32
	2.0	**1.0**	45.0	12.70	42.4	11.92	39.7	11.16	38.4	10.78	37.1	10.40	34.4	9.65	31.8	8.91
	5.0	**4.0**	45.3	11.88	42.6	11.16	40.0	10.44	38.6	10.09	37.3	9.74	34.6	9.04	32.0	8.35
	7.0	**6.0**	45.3	11.37	42.6	10.69	40.0	10.00	38.6	9.67	37.3	9.33	34.6	8.66	32.0	8.01
	9.0	**7.8**	45.3	10.95	42.6	10.29	40.0	9.63	38.6	9.31	37.3	8.99	34.6	8.35	32.0	7.72
	12.0	**10.6**	45.3	10.33	42.6	9.71	40.0	9.09	38.6	8.79	37.3	8.49	34.6	7.89	32.0	7.29
	15.0	**13.5**	45.3	9.74	42.6	9.16	40.0	8.58	38.6	8.30	37.3	8.01	34.6	7.45	32.0	6.89
35.0 (70%)	-19.3	**-20.0**	25.8	10.57	25.7	10.91	25.6	11.24	25.6	11.41	25.5	11.57	25.4	11.91	25.3	12.24
	-15.0	**-16.0**	29.8	11.43	29.6	11.77	29.5	12.11	29.5	12.28	29.4	12.44	29.3	12.78	27.2	11.92
	-12.0	**-13.0**	32.8	12.08	32.7	12.42	32.5	12.77	32.5	12.94	31.9	12.81	29.6	11.88	27.3	10.96
	-9.0	**-10.0**	36.0	12.75	35.8	13.09	34.3	12.69	33.2	12.26	32.0	11.83	29.7	10.97	27.4	10.13
	-7.0	**-8.0**	38.1	13.20	36.7	12.88	34.4	12.05	33.2	11.64	32.1	11.24	29.8	10.43	27.5	9.63
	-5.0	**-6.0**	39.1	13.04	36.8	12.25	34.5	11.47	33.3	11.08	32.2	10.70	29.9	9.93	27.6	9.17
	-3.0	**-4.0**	39.2	12.42	36.9	11.67	34.5	10.93	33.4	10.56	32.2	10.20	29.9	9.47	27.6	8.75
	-1.0	**-2.0**	39.3	11.85	36.9	11.14	34.6	10.43	33.5	10.08	32.3	9.73	30.0	9.04	27.7	8.36
	0.0	**-1.0**	39.3	11.58	37.0	10.88	34.7	10.19	33.5	9.85	32.4	9.51	30.0	8.84	27.7	8.17
	2.0	**1.0**	39.4	11.06	37.1	10.40	34.7	9.74	33.6	9.42	32.4	9.10	30.1	8.45	27.8	7.82
	5.0	**4.0**	39.6	10.35	37.3	9.74	35.0	9.13	33.8	8.82	32.6	8.52	30.3	7.92	28.0	7.33
	7.0	**6.0**	39.6	9.92	37.3	9.33	35.0	8.75	33.8	8.46	32.6	8.17	30.3	7.60	28.0	7.04
	9.0	**7.8**	39.6	9.55	37.3	8.99	35.0	8.43	33.8	8.15	32.6	7.87	30.3	7.33	28.0	6.78
	12.0	**10.6**	39.6	9.02	37.3	8.49	35.0	7.96	33.8	7.70	32.6	7.44	30.3	6.93	28.0	6.42
	15.0	**13.5**	39.6	8.51	37.3	8.01	35.0	7.52	33.8	7.28	32.6	7.03	30.3	6.55	28.0	6.07
30.0 (60%)	-19.3	**-20.0**	25.6	11.20	25.5	11.54	25.4	11.87	25.4	12.03	25.4	12.20	25.2	12.46	23.2	11.51
	-15.0	**-16.0**	29.5	12.16	29.4	12.50	29.2	12.78	28.2	12.34	27.2	11.92	25.3	11.07	23.3	10.22
	-12.0	**-13.0**	32.5	12.90	31.2	12.54	29.3	11.75	28.3	11.35	27.3	10.96	25.4	10.18	23.4	9.41
	-9.0	**-10.0**	33.3	12.32	31.4	11.58	29.4	10.85	28.4	10.49	27.4	10.13	25.5	9.42	23.5	8.71
	-7.0	**-8.0**	33.4	11.70	31.4	11.01	29.5	10.32	28.5	9.97	27.5	9.63	25.5	8.96	23.6	8.28
	-5.0	**-6.0**	33.5	11.14	31.5	10.48	29.5	9.82	28.5	9.50	27.6	9.17	25.6	8.53	23.6	7.89
	-3.0	**-4.0**	33.6	10.61	31.6	9.99	29.6	9.37	28.6	9.06	27.6	8.75	25.7	8.14	23.7	7.54
	-1.0	**-2.0**	33.6	10.13	31.7	9.53	29.7	8.94	28.7	8.65	27.7	8.36	25.7	7.78	23.7	7.20
	0.0	**-1.0**	33.7	9.90	31.7	9.32	29.7	8.74	28.7	8.46	27.7	8.17	25.7	7.61	23.8	7.04
	2.0	**1.0**	33.8	9.47	31.8	8.91	29.8	8.36	28.8	8.09	27.8	7.82	25.8	7.28	23.8	6.74
	5.0	**4.0**	34.0	8.87	32.0	8.35	30.0	7.84	28.9	7.59	28.0	7.33	26.0	6.83	24.0	6.33
	7.0	**6.0**	34.0	8.50	32.0	8.01	30.0	7.52	29.0	7.28	28.0	7.04	26.0	6.56	24.0	6.08
	9.0	**7.8**	34.0	8.19	32.0	7.72	30.0	7.25	29.0	7.01	28.0	6.78	26.0	6.32	24.0	5.87
	12.0	**10.6**	34.0	7.74	32.0	7.29	30.0	6.85	29.0	6.64	28.0	6.42	26.0	5.99	24.0	5.56
	15.0	**13.5**	34.0	7.31	32.0	6.89	30.0	6.48	29.0	6.27	28.0	6.07	26.0	5.66	24.0	5.26
25.0 (50%)	-19.3	**-20.0**	25.4	12.08	25.3	12.41	24.2	11.98	23.4	11.59	22.6	11.19	21.0	10.40	19.4	9.62
	-15.0	**-16.0**	27.6	12.06	25.9	11.35	24.3	10.64	23.5	10.29	22.7	9.94	21.1	9.25	19.4	8.56
	-12.0	**-13.0**	27.7	11.09	26.0	10.44	24.4	9.80	23.6	9.48	22.8	9.16	21.1	8.52	19.5	7.89
	-9.0	**-10.0**	27.8	10.25	26.1	9.65	24.5	9.06	23.7	8.77	22.9	8.47	21.2	7.89	19.6	7.31
	-7.0	**-8.0**	27.8	9.75	26.2	9.18	24.5	8.62	23.7	8.34	22.9	8.06	21.3	7.51	19.6	6.96
	-5.0	**-6.0**	27.9	9.28	26.2	8.74	24.6	8.21	23.8	7.95	23.0	7.68	21.3	7.16	19.7	6.64
	-3.0	**-4.0**	28.0	8.85	26.3	8.34	24.7	7.84	23.8	7.58	23.0	7.33	21.4	6.84	19.7	6.34
	-1.0	**-2.0**	28.0	8.45	26.4	7.97	24.7	7.49	23.9	7.25	23.1	7.01	21.4	6.54	19.8	6.07
	0.0	**-1.0**	28.1	8.27	26.4	7.79	24.7	7.32	23.9	7.09	23.1	6.86	21.4	6.40	19.8	5.94
	2.0	**1.0**	28.1	7.91	26.5	7.46	24.8	7.01	24.0	6.79	23.1	6.57	21.5	6.13	19.8	5.69
	5.0	**4.0**	28.3	7.42	26.6	7.00	25.0	6.58	24.1	6.37	23.3	6.17	21.6	5.76	20.0	5.35
	7.0	**6.0**	28.3	7.12	26.6	6.71	25.0	6.32	24.1	6.12	23.3	5.92	21.6	5.53	20.0	5.14
	9.0	**7.8**	28.3	6.86	26.6	6.48	25.0	6.09	24.1	5.90	23.3	5.72	21.6	5.34	20.0	4.97
	12.0	**10.6**	28.3	6.49	26.6	6.13	25.0	5.77	24.1	5.59	23.3	5.41	21.6	5.06	20.0	4.71
	15.0	**13.5**	28.3	6.14	26.6	5.80	25.0	5.46	24.1	5.29	23.3	5.13	21.6	4.80	20.0	4.47

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ✳162LALH

● Capacity : 56.5 kW (18HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
84.8 (150%)	-19.3	-20.0	29.6	9.11	29.5	9.47	29.3	9.84	29.3	10.02	29.3	10.21	29.1	10.57	29.1	10.94
	-15.0	-16.0	34.4	9.65	34.4	10.02	34.2	10.40	34.2	10.59	34.0	10.77	33.8	11.15	33.8	11.53
	-12.0	-13.0	38.4	10.06	38.2	10.44	38.0	10.81	37.8	11.00	37.8	11.19	37.6	11.58	37.4	11.96
	-9.0	-10.0	42.3	10.46	42.1	10.85	41.8	11.23	41.8	11.43	41.6	11.62	41.4	12.00	41.2	12.39
	-7.0	-8.0	45.1	10.73	44.7	11.12	44.5	11.51	44.5	11.71	44.3	11.90	44.1	12.29	43.9	12.68
	-5.0	-6.0	47.8	11.01	47.6	11.39	47.2	11.78	47.2	11.98	47.0	12.18	46.8	12.57	46.4	12.96
	-3.0	-4.0	50.6	11.27	50.3	11.66	50.1	12.07	49.9	12.26	49.7	12.46	49.5	12.86	49.1	13.25
	-1.0	-2.0	53.4	11.54	53.2	11.94	52.8	12.35	52.6	12.54	52.4	12.74	52.2	13.15	51.8	13.55
	0.0	-1.0	54.9	11.68	54.6	12.08	54.2	12.48	54.1	12.68	53.9	12.88	53.5	13.29	53.2	13.69
	2.0	1.0	57.9	11.95	57.5	12.35	57.1	12.76	56.9	12.97	56.7	13.17	56.3	13.58	56.0	13.98
	5.0	4.0	62.4	12.36	62.0	12.77	61.6	13.18	61.4	13.39	61.1	13.59	60.7	14.01	60.3	14.43
	7.0	6.0	65.3	12.63	64.9	13.05	64.4	13.47	64.1	13.68	63.9	13.88	63.4	14.31	63.0	14.72
	9.0	7.8	67.8	12.88	67.4	13.30	66.9	13.73	66.7	13.93	66.3	14.14	65.9	14.57	65.4	14.99
	12.0	10.6	72.0	13.27	71.4	13.70	70.8	14.13	70.5	14.34	70.3	14.55	69.7	14.98	67.8	14.91
	15.0	13.5	76.1	13.68	75.5	14.11	75.0	14.54	74.6	14.76	74.3	14.97	73.4	15.31	67.8	14.04
79.1 (140%)	-19.3	-20.0	29.5	9.25	29.4	9.61	29.3	9.98	29.3	10.17	29.2	10.34	29.1	10.72	28.9	11.08
	-15.0	-16.0	34.4	9.82	34.2	10.19	34.2	10.57	34.0	10.76	34.0	10.94	33.8	11.31	33.6	11.68
	-12.0	-13.0	38.2	10.25	38.0	10.62	37.8	11.00	37.8	11.19	37.7	11.38	37.6	11.76	37.4	12.14
	-9.0	-10.0	42.2	10.68	42.0	11.06	41.8	11.43	41.6	11.63	41.6	11.82	41.3	12.20	41.1	12.59
	-7.0	-8.0	44.9	10.96	44.7	11.35	44.4	11.73	44.3	11.93	44.1	12.12	43.9	12.51	43.7	12.89
	-5.0	-6.0	47.6	11.25	47.4	11.63	47.0	12.02	47.0	12.22	46.8	12.41	46.6	12.81	46.2	13.20
	-3.0	-4.0	50.5	11.53	50.1	11.92	49.9	12.31	49.7	12.52	49.5	12.71	49.3	13.11	48.9	13.51
	-1.0	-2.0	53.2	11.82	53.0	12.21	52.6	12.61	52.4	12.81	52.2	13.01	52.0	13.41	51.6	13.81
	0.0	-1.0	54.7	11.96	54.4	12.35	54.0	12.76	53.8	12.96	53.7	13.16	53.3	13.56	52.9	13.96
	2.0	1.0	57.5	12.25	57.2	12.65	56.8	13.05	56.6	13.26	56.4	13.46	56.0	13.87	55.6	14.27
	5.0	4.0	62.1	12.68	61.7	13.09	61.3	13.50	61.0	13.71	60.8	13.91	60.3	14.33	59.9	14.74
	7.0	6.0	64.9	12.98	64.5	13.39	64.0	13.80	63.8	14.02	63.6	14.22	63.0	14.63	62.6	15.05
	9.0	7.8	67.4	13.24	66.9	13.66	66.5	14.07	66.3	14.28	65.9	14.50	65.5	14.91	63.2	14.70
	12.0	10.6	71.4	13.65	70.9	14.08	70.3	14.50	70.1	14.71	69.7	14.93	68.5	15.10	63.2	13.84
	15.0	13.5	75.6	14.10	75.0	14.52	74.4	14.95	74.0	15.17	73.7	15.37	68.5	14.20	63.2	13.03
73.5 (130%)	-19.3	-20.0	29.5	9.41	29.4	9.78	29.3	10.14	29.2	10.32	29.1	10.51	29.1	10.87	28.9	11.25
	-15.0	-16.0	34.4	10.01	34.2	10.38	34.0	10.76	34.0	10.94	33.9	11.13	33.8	11.50	33.6	11.87
	-12.0	-13.0	38.2	10.46	38.0	10.84	37.8	11.22	37.6	11.41	37.6	11.60	37.4	11.97	37.2	12.35
	-9.0	-10.0	42.0	10.92	41.8	11.29	41.6	11.67	41.5	11.87	41.4	12.06	41.2	12.44	41.0	12.83
	-7.0	-8.0	44.7	11.21	44.5	11.60	44.3	11.98	44.1	12.18	44.0	12.37	43.7	12.75	43.5	13.15
	-5.0	-6.0	47.4	11.52	47.2	11.90	47.0	12.29	46.8	12.49	46.6	12.69	46.4	13.08	46.1	13.47
	-3.0	-4.0	50.2	11.82	49.9	12.21	49.6	12.60	49.5	12.81	49.3	13.00	49.0	13.39	48.7	13.79
	-1.0	-2.0	53.0	12.13	52.6	12.52	52.4	12.92	52.2	13.12	52.0	13.32	51.7	13.72	51.3	14.11
	0.0	-1.0	54.4	12.28	54.1	12.68	53.7	13.07	53.5	13.27	53.3	13.48	53.1	13.87	52.7	14.28
	2.0	1.0	57.3	12.59	56.9	12.99	56.5	13.39	56.3	13.60	56.1	13.79	55.8	14.20	55.4	14.61
	5.0	4.0	61.7	13.06	61.3	13.46	60.9	13.87	60.7	14.07	60.5	14.27	60.0	14.68	58.7	14.78
	7.0	6.0	64.5	13.37	64.0	13.78	63.6	14.19	63.4	14.40	63.0	14.60	62.6	15.01	58.7	14.13
	9.0	7.8	67.0	13.65	66.5	14.06	66.0	14.48	65.7	14.69	65.5	14.90	63.6	14.80	58.7	13.58
	12.0	10.6	70.9	14.10	70.3	14.52	69.7	14.93	69.5	15.15	68.5	15.10	63.6	13.93	58.7	12.79
	15.0	13.5	74.8	14.56	74.3	14.99	73.4	15.31	70.9	14.76	68.5	14.20	63.6	13.11	58.7	12.05
67.8 (120%)	-19.3	-20.0	29.4	9.60	29.3	9.96	29.2	10.33	29.1	10.51	29.1	10.70	28.9	11.06	28.9	11.42
	-15.0	-16.0	34.2	10.23	34.2	10.60	34.0	10.98	33.8	11.17	33.8	11.35	33.6	11.72	33.5	12.09
	-12.0	-13.0	38.0	10.71	37.8	11.09	37.6	11.46	37.6	11.65	37.4	11.84	37.3	12.22	37.1	12.59
	-9.0	-10.0	41.9	11.19	41.7	11.57	41.4	11.96	41.4	12.15	41.2	12.34	41.0	12.72	40.8	13.10
	-7.0	-8.0	44.5	11.52	44.3	11.90	44.1	12.29	43.9	12.48	43.9	12.67	43.5	13.06	43.3	13.44
	-5.0	-6.0	47.2	11.83	47.0	12.22	46.6	12.61	46.6	12.80	46.4	13.00	46.2	13.39	45.8	13.78
	-3.0	-4.0	49.9	12.16	49.7	12.55	49.3	12.94	49.2	13.13	49.1	13.34	48.7	13.73	48.4	14.12
	-1.0	-2.0	52.8	12.49	52.4	12.88	52.0	13.27	51.9	13.48	51.7	13.67	51.4	14.07	51.0	14.47
	0.0	-1.0	54.1	12.64	53.7	13.05	53.4	13.44	53.3	13.65	53.1	13.84	52.7	14.23	52.3	14.64
	2.0	1.0	56.9	12.98	56.5	13.38	56.2	13.78	56.0	13.98	55.8	14.18	55.4	14.58	53.9	14.53
	5.0	4.0	61.3	13.47	60.9	13.88	60.5	14.29	60.2	14.49	59.9	14.70	58.7	14.78	54.2	13.57
	7.0	6.0	64.0	13.81	63.6	14.22	63.0	14.63	62.8	14.84	62.6	15.04	58.7	14.13	54.2	12.98
	9.0	7.8	66.5	14.12	65.9	14.53	65.4	14.94	65.2	15.15	63.2	14.70	58.7	13.58	54.2	12.48
	12.0	10.6	70.2	14.59	69.7	15.02	67.8	14.91	65.5	14.38	63.2	13.84	58.7	12.79	54.2	11.76
	15.0	13.5	74.1	15.10	72.3	15.05	67.8	14.04	65.5	13.53	63.2	13.03	58.7	12.05	54.2	11.07
62.2 (110%)	-19.3	-20.0	29.3	9.83	29.3	10.19	29.1	10.55	29.1	10.73	29.1	10.92	28.9	11.28	28.8	11.64
	-15.0	-16.0	34.2	10.50	34.0	10.86	33.8	11.24	33.8	11.42	33.7	11.61	33.6	11.98	33.4	12.35
	-12.0	-13.0	37.8	11.00	37.7	11.38	37.6	11.75	37.4	11.94	37.4	12.13	37.2	12.50	37.0	12.88
	-9.0	-10.0	41.7	11.52	41.5	11.89	41.3	12.27	41.2	12.47	41.0	12.66	40.8	13.04	40.6	13.42
	-7.0	-8.0	44.3	11.86	44.1	12.24	43.9	12.63	43.7	12.82	43.5	13.01	43.3	13.40	43.1	13.78
	-5.0	-6.0	47.0	12.21	46.7	12.60	46.4	12.98	46.3	13.18	46.2	13.37	45.9	13.76	45.6	14.14
	-3.0	-4.0	49.7	12.55	49.3	12.94	49.1	13.34	48.9	13.53	48.7	13.73	48.4	14.12	48.1	14.50
	-1.0	-2.0	52.4	12.91	52.0	13.30	51.7	13.70	51.5	13.89	51.4	14.09	51.0	14.48	49.2	14.22
	0.0	-1.0	53.7	13.08	53.3	13.48	53.1	13.87	52.9	14.07	52.7	14.27	52.3	14.66	49.2	13.89
	2.0	1.0	56.4	13.43	56.1	13.84	55.7	14.23	55.6	14.44	55.4	14.63	53.5	14.43	49.4	13.26
	5.0	4.0	60.7	13.98	60.3	14.38	59.9	14.78	59.7	14.99	58.0	14.57	53.8	13.47	49.7	12.38
	7.0	6.0	63.4	14.34	63.0	14.74	62.1	15.00	60.0	14.46	58.0	13.93	53.8	12.88	49.7	11.85
	9.0	7.8	65.7	14.67	65.3	15.08	62.1	14.42	60.0	13.91	58.0	13.39	53.8	12.39	49.7	11.39
	12.0	10.6	69.5	15.19	66.2	14.56	62.1	13.58	60.0	13.10	58.0	12.62	53.8	11.68	49.7	10.74
	15.0	13.5	70.4	14.63	66.2	13.70	62.1	12.78	60.0	12.33	58.0	11.88	53.8	10.99	49.7	10.12

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ✳162LALH

● Capacity : 56.5 kW (18HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
56.5 (100%)	-19.3	-20.0	29.3	10.08	29.1	10.46	29.1	10.82	29.1	11.00	28.9	11.18	28.9	11.54	28.7	11.91
	-15.0	-16.0	34.0	10.81	33.8	11.18	33.8	11.54	33.6	11.73	33.6	11.92	33.4	12.29	33.3	12.65
	-12.0	-13.0	37.8	11.36	37.6	11.73	37.4	12.11	37.2	12.29	37.2	12.47	37.0	12.85	36.8	13.22
	-9.0	-10.0	41.5	11.91	41.3	12.28	41.0	12.66	41.0	12.85	40.8	13.04	40.6	13.41	40.4	13.80
	-7.0	-8.0	44.1	12.27	43.9	12.66	43.5	13.04	43.5	13.23	43.3	13.42	43.1	13.81	42.9	14.18
	-5.0	-6.0	46.6	12.65	46.4	13.03	46.2	13.42	46.0	13.61	45.8	13.80	45.6	14.19	44.5	14.21
	-3.0	-4.0	49.3	13.03	49.0	13.41	48.7	13.80	48.5	13.99	48.4	14.19	48.1	14.57	44.7	13.52
	-1.0	-2.0	52.0	13.41	51.6	13.80	51.3	14.18	51.1	14.38	50.9	14.57	48.5	14.00	44.7	12.88
	0.0	-1.0	53.3	13.60	52.9	13.99	52.5	14.38	52.4	14.57	52.2	14.75	48.5	13.67	44.7	12.58
	2.0	1.0	56.0	13.98	55.6	14.37	55.2	14.76	54.2	14.64	52.4	14.10	48.6	13.05	44.9	12.00
	5.0	4.0	60.1	14.56	59.7	14.96	56.5	14.16	54.6	13.66	52.7	13.16	49.0	12.18	45.2	11.22
	7.0	6.0	62.7	14.96	60.2	14.51	56.5	13.55	54.6	13.07	52.7	12.60	49.0	11.66	45.2	10.73
	9.0	7.8	64.0	14.89	60.2	13.96	56.5	13.03	54.6	12.57	52.7	12.12	49.0	11.22	45.2	10.33
	12.0	10.6	64.0	14.02	60.3	13.14	56.5	12.28	54.6	11.85	52.7	11.42	49.0	10.58	45.2	9.74
	15.0	13.5	64.0	13.20	60.3	12.37	56.5	11.55	54.6	11.15	52.7	10.75	49.0	9.96	45.2	9.18
50.9 (90%)	-19.3	-20.0	29.2	10.41	29.1	10.78	28.9	11.14	28.9	11.31	28.9	11.50	28.7	11.86	28.6	12.23
	-15.0	-16.0	33.8	11.18	33.8	11.56	33.6	11.93	33.5	12.10	33.4	12.29	33.3	12.66	33.1	13.03
	-12.0	-13.0	37.6	11.78	37.4	12.14	37.2	12.52	37.0	12.71	37.0	12.89	36.8	13.27	36.6	13.64
	-9.0	-10.0	41.2	12.37	41.0	12.75	40.8	13.12	40.6	13.31	40.6	13.50	40.4	13.87	39.9	14.12
	-7.0	-8.0	43.7	12.78	43.5	13.16	43.3	13.53	43.1	13.72	43.0	13.91	42.7	14.29	40.0	13.40
	-5.0	-6.0	46.3	13.18	46.0	13.56	45.8	13.95	45.6	14.13	45.5	14.32	43.4	13.83	40.1	12.74
	-3.0	-4.0	48.9	13.59	48.5	13.97	48.2	14.36	48.1	14.55	46.9	14.23	43.5	13.16	40.2	12.12
	-1.0	-2.0	51.4	14.00	51.1	14.38	50.3	14.57	48.6	14.05	47.0	13.55	43.6	12.55	40.2	11.55
	0.0	-1.0	52.7	14.21	52.3	14.60	50.4	14.22	48.7	13.73	47.0	13.23	43.6	12.25	40.3	11.28
	2.0	1.0	55.4	14.63	53.9	14.53	50.5	13.57	48.8	13.10	47.2	12.62	43.8	11.69	40.4	10.78
	5.0	4.0	57.6	14.47	54.2	13.57	50.8	12.68	49.1	12.23	47.4	11.80	44.0	10.93	40.6	10.08
	7.0	6.0	57.6	13.84	54.2	12.98	50.8	12.12	49.2	11.71	47.4	11.29	44.0	10.46	40.6	9.64
	9.0	7.8	57.6	13.30	54.2	12.48	50.8	11.67	49.2	11.26	47.4	10.86	44.0	10.07	40.6	9.28
	12.0	10.6	57.6	12.53	54.2	11.76	50.8	10.99	49.2	10.61	47.4	10.24	44.0	9.49	40.6	8.76
	15.0	13.5	57.6	11.79	54.2	11.07	50.8	10.35	49.2	10.00	47.4	9.65	44.0	8.94	40.6	8.26
45.2 (80%)	-19.3	-20.0	29.1	10.81	28.9	11.17	28.9	11.53	28.8	11.72	28.7	11.89	28.6	12.26	28.5	12.62
	-15.0	-16.0	33.6	11.66	33.6	12.03	33.4	12.39	33.3	12.58	33.2	12.75	33.1	13.12	32.9	13.49
	-12.0	-13.0	37.2	12.30	37.0	12.67	36.9	13.04	36.8	13.23	36.7	13.41	36.5	13.78	35.3	13.58
	-9.0	-10.0	40.9	12.95	40.6	13.32	40.4	13.70	40.4	13.89	40.2	14.07	38.4	13.59	35.4	12.52
	-7.0	-8.0	43.3	13.39	43.1	13.77	42.9	14.14	42.7	14.33	41.5	13.91	38.5	12.89	35.5	11.88
	-5.0	-6.0	45.8	13.84	45.6	14.22	44.5	14.21	43.1	13.71	41.5	13.22	38.6	12.25	35.6	11.29
	-3.0	-4.0	48.3	14.29	47.6	14.46	44.7	13.52	43.1	13.04	41.7	12.58	38.6	11.66	35.7	10.75
	-1.0	-2.0	50.6	14.68	47.7	13.77	44.7	12.88	43.3	12.43	41.8	11.99	38.8	11.11	35.8	10.25
	0.0	-1.0	50.8	14.34	47.8	13.45	44.7	12.58	43.3	12.14	41.8	11.71	38.8	10.85	35.8	10.01
	2.0	1.0	50.8	13.67	47.9	12.83	44.9	12.00	43.4	11.59	41.9	11.18	38.9	10.37	35.9	9.57
	5.0	4.0	51.2	12.78	48.1	11.99	45.2	11.22	43.6	10.84	42.2	10.46	39.1	9.70	36.1	8.95
	7.0	6.0	51.2	12.22	48.1	11.47	45.2	10.73	43.6	10.37	42.2	10.01	39.1	9.28	36.1	8.58
	9.0	7.8	51.2	11.75	48.1	11.03	45.2	10.33	43.6	9.98	42.2	9.63	39.1	8.94	36.1	8.25
	12.0	10.6	51.2	11.08	48.1	10.41	45.2	9.74	43.6	9.41	42.2	9.08	39.1	8.43	36.1	7.79
	15.0	13.5	51.2	10.43	48.1	9.80	45.2	9.18	43.6	8.87	42.2	8.56	39.1	7.95	36.1	7.35
39.6 (70%)	-19.3	-20.0	28.9	11.32	28.8	11.68	28.7	12.04	28.7	12.22	28.6	12.40	28.5	12.76	28.4	13.13
	-15.0	-16.0	33.4	12.25	33.3	12.62	33.2	12.98	33.1	13.17	33.0	13.34	32.8	13.71	30.7	12.92
	-12.0	-13.0	37.0	12.96	36.8	13.33	36.6	13.70	36.4	13.88	36.1	13.87	33.4	12.86	30.9	11.86
	-9.0	-10.0	40.4	13.68	40.2	14.05	38.8	13.72	37.5	13.25	36.1	12.78	33.6	11.85	31.0	10.93
	-7.0	-8.0	42.9	14.17	41.5	13.91	38.8	13.02	37.5	12.57	36.3	12.13	33.7	11.25	31.1	10.38
	-5.0	-6.0	44.2	14.09	41.5	13.22	39.0	12.37	37.7	11.95	36.3	11.53	33.8	10.70	31.1	9.87
	-3.0	-4.0	44.3	13.40	41.7	12.59	39.0	11.78	37.7	11.38	36.4	10.97	33.8	10.19	31.2	9.40
	-1.0	-2.0	44.4	12.77	41.8	11.99	39.1	11.22	37.9	10.84	36.5	10.46	33.9	9.72	31.3	8.97
	0.0	-1.0	44.4	12.47	41.8	11.71	39.2	10.96	37.9	10.59	36.6	10.22	33.9	9.49	31.3	8.77
	2.0	1.0	44.5	11.90	41.9	11.18	39.3	10.47	37.9	10.12	36.6	9.76	34.0	9.07	31.4	8.38
	5.0	4.0	44.7	11.12	42.2	10.46	39.5	9.79	38.2	9.46	36.8	9.13	34.3	8.48	31.6	7.84
	7.0	6.0	44.7	10.64	42.2	10.01	39.5	9.37	38.2	9.06	36.8	8.75	34.3	8.13	31.6	7.52
	9.0	7.8	44.7	10.24	42.2	9.63	39.5	9.02	38.2	8.73	36.8	8.42	34.3	7.83	31.6	7.24
	12.0	10.6	44.7	9.65	42.2	9.08	39.5	8.52	38.2	8.23	36.8	7.95	34.3	7.39	31.6	6.84
	15.0	13.5	44.7	9.10	42.2	8.56	39.5	8.03	38.2	7.76	36.8	7.50	34.3	6.98	31.6	6.46
33.9 (60%)	-19.3	-20.0	28.7	12.00	28.6	12.36	28.5	12.71	28.4	12.89	28.4	13.07	28.1	13.38	26.2	12.51
	-15.0	-16.0	33.1	13.03	33.0	13.40	32.8	13.72	31.9	13.39	30.7	12.92	28.6	11.99	26.4	11.06
	-12.0	-13.0	36.5	13.83	35.3	13.58	33.1	12.71	32.0	12.28	30.9	11.86	28.7	11.01	26.4	10.16
	-9.0	-10.0	37.7	13.32	35.4	12.52	33.2	11.72	32.1	11.32	31.0	10.93	28.8	10.15	26.6	9.38
	-7.0	-8.0	37.7	12.63	35.5	11.88	33.3	11.12	32.2	10.75	31.1	10.38	28.9	9.64	26.6	8.91
	-5.0	-6.0	37.9	12.01	35.6	11.29	33.4	10.58	32.3	10.22	31.1	9.87	28.9	9.18	26.7	8.48
	-3.0	-4.0	37.9	11.43	35.7	10.75	33.4	10.07	32.3	9.74	31.2	9.40	29.0	8.74	26.8	8.08
	-1.0	-2.0	38.0	10.89	35.8	10.25	33.6	9.60	32.5	9.29	31.3	8.97	29.1	8.34	26.8	7.72
	0.0	-1.0	38.1	10.65	35.8	10.01	33.6	9.39	32.5	9.08	31.3	8.77	29.1	8.15	26.8	7.54
	2.0	1.0	38.1	10.16	35.9	9.57	33.6	8.97	32.5	8.67	31.4	8.38	29.1	7.80	26.9	7.21
	5.0	4.0	38.4	9.51	36.1	8.95	33.9	8.39	32.7	8.12	31.6	7.84	29.3	7.30	27.1	6.76
	7.0	6.0	38.4	9.11	36.1	8.58	33.9	8.04	32.7	7.78	31.6	7.52	29.3	7.00	27.1	6.48
	9.0	7.8	38.4	8.76	36.1	8.25	33.9	7.75	32.7	7.49	31.6	7.24	29.3	6.74	27.1	6.25
	12.0	10.6	38.4	8.27	36.1	7.79	33.9	7.32	32.7	7.08	31.6	6.84	29.3	6.37	27.1	5.91
	15.0	13.5	38.4	7.81	36.1	7.35	33.9	6.90	32.7	6.68	31.6	6.46	29.3	6.02	27.1	5.58
28.3 (50%)	-19.3	-20.0	28.4	12.93	28.3	13.28	27.3	13.03	26.4	12.59	25.5	12.16	23.7	11.29	21.9	10.43
	-15.0	-16.0	31.1	13.08	29.3	12.30	27.5	11.53	26.6	11.14	25.7	10.77	23.9	10.00	21.9	9.24
	-12.0	-13.0	31.3	12.00	29.4	11.29	27.6	10.58	26.6	10.23	25.7	9.88	23.9	9.19	22.1	8.50
	-9.0	-10.0	31.4	11.06	29.5	10.41	27.7	9.76	26.8	9.44	25.9	9.12	23.9	8.49	22.1	7.85
	-7.0	-8.0	31.4	10.50	29.6	9.88	27.7	9.27	26.8	8.97	25.9	8.67	24.1	8.06	22.1	7.46
	-5.0	-6.0	31.6	9.99	29.6	9.40	27.8	8.82	26.9	8.54	25.9	8.25	24.1	7.68	22.3	7.11
	-3.0	-4.0	31.6	9.52	29.8	8.96	27.9	8.41	26.9	8.14	26.0	7.86	24.1	7.33	22.3	6.79
	-1.0	-2.0	31.6	9.08	29.8	8.55	28.0	8.03	27.0	7.77	26.1	7.51	24.2	6.99	22.3	6.48
	0.0	-1.0	31.8	8.87	29.8	8.35	28.0	7.84	27.1	7.59	26.1	7.34	24.2	6.84	22.3	6.34
	2.0	1.0	31.8	8.47	30.0	7.99	28.0	7.50	27.1	7.26	26.2	7.02	24.3	6.54	22.4	6.06
	5.0	4.0	32.0	7.93	30.1	7.48	28.2	7.03	27.3	6.81	26.4	6.59	24.4	6.14	22.6	5.69
	7.0	6.0	32.0	7.60	30.1	7.17	28.2	6.74	27.3	6.53	26.4	6.31	24.4	5.88	22.6	5.47
	9.0	7.8	32.0	7.32	30.1	6.91	28.2	6.50	27.3	6.29	26.4	6.08	24.4	5.67	22.6	5.28
	12.0	10.6	32.0	6.92	30.1	6.53	28.2	6.15	27.3	5.95	26.4	5.76	24.4	5.38	22.6	5.00
	15.0	13.5	32.0	6.54	30.1	6.17	28.2	5.80	27.3	5.63	26.4	5.44	24.4	5.08	22.6	4.73

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ✳180LALH

● Capacity : 62.5 kW (20HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
93.8 (150%)	-19.3	-20.0	32.7	10.14	32.6	10.54	32.4	10.94	32.4	11.14	32.3	11.34	32.2	11.74	32.1	12.14
	-15.0	-16.0	38.1	10.74	38.0	11.14	37.8	11.55	37.8	11.76	37.6	11.96	37.4	12.37	37.3	12.78
	-12.0	-13.0	42.4	11.18	42.2	11.60	42.0	12.00	41.8	12.21	41.8	12.42	41.6	12.84	41.4	13.25
	-9.0	-10.0	46.8	11.62	46.5	12.04	46.3	12.46	46.2	12.67	46.1	12.89	45.8	13.31	45.6	13.73
	-7.0	-8.0	49.9	11.92	49.5	12.34	49.3	12.77	49.2	12.98	49.0	13.19	48.7	13.62	48.5	14.04
	-5.0	-6.0	52.9	12.22	52.6	12.64	52.3	13.07	52.2	13.28	52.0	13.50	51.7	13.93	51.3	14.36
	-3.0	-4.0	56.0	12.51	55.7	12.94	55.4	13.38	55.2	13.59	55.0	13.80	54.7	14.24	54.3	14.67
	-1.0	-2.0	59.2	12.80	58.8	13.24	58.4	13.68	58.2	13.90	58.0	14.11	57.7	14.56	57.3	15.00
	0.0	-1.0	60.8	12.95	60.4	13.40	60.0	13.83	59.9	14.05	59.6	14.27	59.2	14.71	58.8	15.16
	2.0	1.0	64.0	13.26	63.6	13.69	63.2	14.14	62.9	14.36	62.7	14.58	62.3	15.03	61.9	15.47
	5.0	4.0	69.1	13.70	68.6	14.15	68.1	14.60	67.9	14.83	67.7	15.05	67.2	15.50	66.7	15.96
	7.0	6.0	72.3	14.00	71.8	14.46	71.3	14.91	70.9	15.14	70.7	15.36	70.2	15.83	69.7	16.28
	9.0	7.8	75.1	14.28	74.6	14.73	74.0	15.19	73.8	15.42	73.4	15.65	72.9	16.12	72.4	16.57
	12.0	10.6	79.7	14.70	79.0	15.17	78.4	15.64	78.1	15.87	77.8	16.09	77.1	16.56	75.0	16.49
	15.0	13.5	84.2	15.14	83.6	15.62	83.0	16.09	82.6	16.33	82.3	16.56	81.2	16.92	75.0	15.52
87.5 (140%)	-19.3	-20.0	32.6	10.29	32.5	10.69	32.4	11.09	32.3	11.29	32.3	11.49	32.1	11.90	32.0	12.29
	-15.0	-16.0	38.0	10.92	37.8	11.32	37.8	11.73	37.6	11.94	37.6	12.14	37.4	12.55	37.2	12.95
	-12.0	-13.0	42.3	11.39	42.1	11.79	41.8	12.21	41.8	12.42	41.6	12.63	41.5	13.04	41.3	13.45
	-9.0	-10.0	46.7	11.86	46.5	12.27	46.2	12.68	46.0	12.89	46.0	13.10	45.6	13.53	45.4	13.95
	-7.0	-8.0	49.7	12.17	49.4	12.59	49.1	13.01	49.0	13.22	48.8	13.43	48.6	13.86	48.3	14.28
	-5.0	-6.0	52.7	12.48	52.4	12.90	52.0	13.33	52.0	13.54	51.8	13.75	51.5	14.19	51.1	14.62
	-3.0	-4.0	55.8	12.79	55.4	13.22	55.2	13.65	55.0	13.87	54.8	14.08	54.5	14.51	54.1	14.95
	-1.0	-2.0	58.9	13.11	58.6	13.54	58.2	13.98	58.0	14.19	57.8	14.41	57.5	14.85	57.0	15.29
	0.0	-1.0	60.6	13.26	60.1	13.69	59.7	14.14	59.5	14.35	59.4	14.58	59.0	15.01	58.5	15.45
	2.0	1.0	63.7	13.58	63.3	14.02	62.9	14.46	62.7	14.68	62.4	14.90	62.0	15.34	61.5	15.79
	5.0	4.0	68.8	14.05	68.3	14.50	67.8	14.95	67.5	15.18	67.2	15.40	66.8	15.85	66.3	16.30
	7.0	6.0	71.8	14.38	71.3	14.83	70.8	15.28	70.6	15.51	70.3	15.73	69.7	16.18	69.2	16.64
	9.0	7.8	74.6	14.67	74.1	15.12	73.6	15.57	73.3	15.81	72.9	16.04	72.4	16.49	70.0	16.26
	12.0	10.6	79.0	15.12	78.5	15.59	77.8	16.04	77.6	16.28	77.2	16.51	75.8	16.69	70.0	15.31
	15.0	13.5	83.7	15.60	83.0	16.06	82.3	16.53	81.9	16.77	81.6	17.00	75.8	15.71	70.0	14.42
81.3 (130%)	-19.3	-20.0	32.6	10.46	32.5	10.87	32.3	11.27	32.3	11.46	32.2	11.67	32.1	12.07	31.9	12.47
	-15.0	-16.0	38.0	11.13	37.8	11.53	37.6	11.94	37.6	12.14	37.4	12.35	37.3	12.76	37.1	13.16
	-12.0	-13.0	42.2	11.62	42.0	12.03	41.8	12.44	41.6	12.65	41.6	12.86	41.4	13.27	41.1	13.68
	-9.0	-10.0	46.5	12.12	46.3	12.53	46.0	12.95	45.9	13.16	45.8	13.37	45.6	13.78	45.3	14.20
	-7.0	-8.0	49.5	12.44	49.2	12.86	49.0	13.28	48.8	13.50	48.6	13.71	48.4	14.13	48.1	14.56
	-5.0	-6.0	52.5	12.78	52.2	13.20	51.9	13.62	51.7	13.84	51.6	14.06	51.3	14.48	51.0	14.91
	-3.0	-4.0	55.5	13.11	55.2	13.54	54.9	13.96	54.7	14.19	54.5	14.40	54.2	14.83	53.8	15.26
	-1.0	-2.0	58.6	13.45	58.2	13.88	57.9	14.31	57.7	14.53	57.5	14.74	57.2	15.18	56.8	15.61
	0.0	-1.0	60.2	13.61	59.9	14.05	59.4	14.48	59.2	14.70	59.0	14.92	58.7	15.35	58.3	15.79
	2.0	1.0	63.4	13.95	62.9	14.39	62.5	14.82	62.3	15.05	62.0	15.27	61.7	15.71	61.2	16.15
	5.0	4.0	68.3	14.46	67.8	14.91	67.4	15.35	67.1	15.57	66.9	15.79	66.4	16.24	65.0	16.34
	7.0	6.0	71.4	14.80	70.9	15.25	70.4	15.70	70.1	15.93	69.7	16.15	69.2	16.60	65.0	15.63
	9.0	7.8	74.1	15.11	73.6	15.57	73.1	16.02	72.7	16.25	72.4	16.48	70.4	16.37	65.0	15.03
	12.0	10.6	78.5	15.61	77.8	16.06	77.2	16.52	76.9	16.75	75.8	16.69	70.4	15.41	65.0	14.16
	15.0	13.5	82.8	16.11	82.3	16.58	81.2	16.92	78.5	16.31	75.8	15.71	70.4	14.51	65.0	13.35
75.0 (120%)	-19.3	-20.0	32.5	10.67	32.4	11.07	32.3	11.48	32.2	11.67	32.1	11.87	32.0	12.27	31.9	12.67
	-15.0	-16.0	37.8	11.37	37.7	11.77	37.6	12.18	37.4	12.39	37.4	12.59	37.2	13.00	37.0	13.40
	-12.0	-13.0	42.0	11.89	41.8	12.31	41.6	12.71	41.6	12.92	41.4	13.13	41.2	13.54	41.0	13.95
	-9.0	-10.0	46.3	12.42	46.1	12.83	45.8	13.25	45.8	13.46	45.6	13.67	45.4	14.09	45.1	14.50
	-7.0	-8.0	49.3	12.77	49.0	13.19	48.7	13.61	48.6	13.82	48.5	14.04	48.1	14.46	47.9	14.88
	-5.0	-6.0	52.2	13.12	52.0	13.54	51.6	13.97	51.5	14.18	51.3	14.40	51.0	14.82	50.7	15.25
	-3.0	-4.0	55.2	13.48	54.9	13.90	54.6	14.33	54.5	14.54	54.3	14.77	53.9	15.19	53.6	15.62
	-1.0	-2.0	58.4	13.84	57.9	14.27	57.5	14.70	57.4	14.92	57.2	15.13	56.8	15.56	56.4	16.00
	0.0	-1.0	59.9	14.01	59.5	14.45	59.0	14.88	58.9	15.10	58.7	15.32	58.3	15.75	57.9	16.19
	2.0	1.0	62.9	14.37	62.5	14.81	62.1	15.26	61.9	15.47	61.7	15.69	61.2	16.13	59.7	16.08
	5.0	4.0	67.8	14.92	67.4	15.36	66.9	15.81	66.6	16.03	66.3	16.26	65.0	16.34	60.0	15.02
	7.0	6.0	70.8	15.29	70.3	15.73	69.7	16.18	69.5	16.41	69.2	16.63	65.0	15.63	60.0	14.37
	9.0	7.8	73.5	15.62	72.9	16.07	72.4	16.52	72.1	16.75	70.0	16.26	65.0	15.03	60.0	13.83
	12.0	10.6	77.7	16.15	77.1	16.61	75.0	16.49	72.4	15.90	70.0	15.31	65.0	14.16	60.0	13.03
	15.0	13.5	82.1	16.70	80.0	16.63	75.0	15.52	72.4	14.97	70.0	14.42	65.0	13.35	60.0	12.28
68.8 (110%)	-19.3	-20.0	32.4	10.92	32.3	11.32	32.2	11.72	32.1	11.91	32.1	12.11	31.9	12.51	31.8	12.91
	-15.0	-16.0	37.8	11.66	37.6	12.06	37.4	12.47	37.3	12.67	37.2	12.87	37.1	13.27	36.9	13.68
	-12.0	-13.0	41.8	12.21	41.6	12.63	41.5	13.03	41.4	13.24	41.3	13.44	41.1	13.85	40.9	14.26
	-9.0	-10.0	46.1	12.78	45.9	13.18	45.6	13.60	45.5	13.81	45.4	14.02	45.1	14.44	44.9	14.86
	-7.0	-8.0	49.0	13.15	48.8	13.57	48.5	13.99	48.3	14.20	48.1	14.41	47.9	14.83	47.6	15.25
	-5.0	-6.0	52.0	13.53	51.7	13.95	51.3	14.38	51.2	14.59	51.0	14.80	50.8	15.22	50.4	15.64
	-3.0	-4.0	54.9	13.91	54.6	14.33	54.3	14.77	54.1	14.98	53.9	15.19	53.6	15.61	53.2	16.04
	-1.0	-2.0	57.9	14.29	57.5	14.72	57.2	15.16	57.0	15.37	56.8	15.58	56.4	16.01	54.4	15.75
	0.0	-1.0	59.4	14.48	59.0	14.92	58.7	15.35	58.5	15.56	58.3	15.79	57.8	16.21	54.5	15.38
	2.0	1.0	62.5	14.87	62.0	15.31	61.6	15.74	61.4	15.97	61.2	16.18	59.2	15.96	54.7	14.69
	5.0	4.0	67.2	15.47	66.7	15.91	66.2	16.34	66.0	16.57	64.2	16.12	59.5	14.91	55.0	13.72
	7.0	6.0	70.1	15.86	69.6	16.31	68.7	16.59	66.4	16.00	64.2	15.42	59.5	14.27	55.0	13.14
	9.0	7.8	72.7	16.22	72.2	16.67	68.7	15.95	66.4	15.39	64.2	14.83	59.5	13.73	55.0	12.64
	12.0	10.6	76.9	16.79	73.3	16.09	68.7	15.02	66.4	14.50	64.2	13.97	59.5	12.94	55.0	11.92
	15.0	13.5	77.9	16.17	73.3	15.16	68.7	14.15	66.4	13.66	64.2	13.17	59.5	12.20	55.0	11.24

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ✳180LALH

● Capacity : 62.5 kW (20HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
62.5 (100%)	-19.3	-20.0	32.4	11.20	32.2	11.61	32.1	12.01	32.1	12.20	32.0	12.40	31.9	12.80	31.7	13.20
	-15.0	-16.0	37.6	12.00	37.4	12.40	37.3	12.80	37.2	13.01	37.1	13.21	36.9	13.61	36.7	14.01
	-12.0	-13.0	41.7	12.60	41.5	13.00	41.3	13.41	41.2	13.61	41.1	13.82	40.9	14.23	40.7	14.64
	-9.0	-10.0	45.8	13.20	45.6	13.61	45.4	14.02	45.3	14.23	45.1	14.44	44.9	14.85	44.6	15.26
	-7.0	-8.0	48.7	13.60	48.5	14.02	48.1	14.44	48.1	14.65	47.9	14.86	47.6	15.27	47.4	15.68
	-5.0	-6.0	51.6	14.01	51.3	14.43	51.0	14.85	50.8	15.06	50.6	15.27	50.4	15.69	49.2	15.74
	-3.0	-4.0	54.5	14.43	54.2	14.85	53.8	15.27	53.6	15.48	53.5	15.69	53.1	16.12	49.4	14.98
	-1.0	-2.0	57.5	14.84	57.1	15.27	56.7	15.69	56.5	15.90	56.3	16.12	53.6	15.51	49.5	14.28
	0.0	-1.0	58.9	15.05	58.5	15.48	58.1	15.90	58.0	16.11	57.8	16.32	53.7	15.14	49.5	13.94
	2.0	1.0	61.9	15.47	61.5	15.90	61.0	16.32	60.0	16.20	57.9	15.61	53.8	14.45	49.7	13.31
	5.0	4.0	66.5	16.10	66.0	16.54	62.5	15.67	60.4	15.13	58.3	14.58	54.1	13.51	50.0	12.45
	7.0	6.0	69.4	16.54	66.7	16.05	62.5	15.00	60.4	14.48	58.3	13.96	54.1	12.93	50.0	11.92
	9.0	7.8	70.8	16.47	66.7	15.44	62.5	14.43	60.4	13.93	58.3	13.43	54.1	12.44	50.0	11.48
	12.0	10.6	70.7	15.51	66.7	14.55	62.5	13.60	60.4	13.13	58.3	12.66	54.1	11.74	50.0	10.83
	15.0	13.5	70.8	14.61	66.7	13.70	62.5	12.81	60.4	12.36	58.3	11.93	54.1	11.07	50.0	10.21
56.3 (90%)	-19.3	-20.0	32.3	11.56	32.1	11.96	32.0	12.35	31.9	12.55	31.9	12.75	31.7	13.15	31.6	13.54
	-15.0	-16.0	37.4	12.41	37.3	12.82	37.1	13.22	37.0	13.41	36.9	13.62	36.7	14.02	36.5	14.42
	-12.0	-13.0	41.5	13.06	41.3	13.46	41.1	13.87	40.9	14.08	40.9	14.27	40.6	14.68	40.4	15.09
	-9.0	-10.0	45.6	13.71	45.3	14.12	45.1	14.53	44.9	14.74	44.9	14.94	44.6	15.35	44.2	15.65
	-7.0	-8.0	48.3	14.15	48.1	14.57	47.8	14.97	47.7	15.18	47.6	15.39	47.2	15.81	44.2	14.85
	-5.0	-6.0	51.2	14.59	50.9	15.01	50.6	15.43	50.4	15.63	50.3	15.84	48.0	15.33	44.4	14.13
	-3.0	-4.0	54.0	15.04	53.6	15.46	53.3	15.88	53.1	16.09	51.9	15.75	48.2	14.59	44.4	13.44
	-1.0	-2.0	56.8	15.49	56.5	15.91	55.7	16.13	53.8	15.56	52.0	15.01	48.2	13.91	44.5	12.82
	0.0	-1.0	58.3	15.72	57.9	16.14	55.7	15.75	53.9	15.20	52.0	14.66	48.3	13.59	44.6	12.52
	2.0	1.0	61.2	16.18	59.6	16.08	55.9	15.03	54.0	14.51	52.2	13.99	48.4	12.97	44.7	11.97
	5.0	4.0	63.7	16.01	60.0	15.02	56.2	14.05	54.3	13.56	52.5	13.08	48.7	12.14	45.0	11.20
	7.0	6.0	63.7	15.31	59.9	14.37	56.2	13.44	54.4	12.98	52.5	12.52	48.7	11.62	45.0	10.72
	9.0	7.8	63.7	14.73	60.0	13.83	56.2	12.94	54.4	12.49	52.5	12.05	48.7	11.19	45.0	10.33
	12.0	10.6	63.7	13.88	59.9	13.03	56.2	12.19	54.4	11.78	52.5	11.37	48.7	10.55	45.0	9.75
	15.0	13.5	63.7	13.07	60.0	12.28	56.2	11.50	54.4	11.11	52.5	10.73	48.7	9.95	45.0	9.21
50.0 (80%)	-19.3	-20.0	32.1	12.00	32.0	12.39	31.9	12.79	31.8	12.99	31.7	13.18	31.5	13.58	31.5	13.97
	-15.0	-16.0	37.2	12.93	37.1	13.32	36.9	13.72	36.8	13.93	36.7	14.12	36.5	14.52	36.3	14.93
	-12.0	-13.0	41.2	13.63	40.9	14.03	40.7	14.43	40.7	14.64	40.5	14.84	40.3	15.24	39.0	15.07
	-9.0	-10.0	45.2	14.34	44.9	14.74	44.7	15.16	44.6	15.36	44.4	15.56	42.5	15.06	39.2	13.89
	-7.0	-8.0	47.9	14.82	47.6	15.23	47.4	15.64	47.2	15.84	45.9	15.42	42.6	14.30	39.3	13.19
	-5.0	-6.0	50.6	15.31	50.4	15.72	49.2	15.74	47.6	15.20	46.0	14.66	42.7	13.59	39.4	12.54
	-3.0	-4.0	53.4	15.80	52.7	16.01	49.4	14.98	47.7	14.46	46.1	13.96	42.8	12.94	39.5	11.95
	-1.0	-2.0	56.0	16.25	52.8	15.25	49.5	14.28	47.9	13.79	46.2	13.30	42.9	12.34	39.6	11.39
	0.0	-1.0	56.2	15.87	52.9	14.90	49.5	13.94	47.9	13.46	46.2	12.99	42.9	12.05	39.7	11.14
	2.0	1.0	56.4	15.14	53.0	14.22	49.7	13.31	48.0	12.86	46.4	12.42	43.0	11.53	39.8	10.64
	5.0	4.0	56.7	14.15	53.3	13.29	50.0	12.45	48.3	12.03	46.7	11.62	43.3	10.78	40.0	9.97
	7.0	6.0	56.7	13.54	53.3	12.73	50.0	11.92	48.3	11.52	46.7	11.13	43.3	10.33	40.0	9.56
	9.0	7.8	56.7	13.03	53.3	12.24	50.0	11.48	48.3	11.09	46.7	10.71	43.3	9.95	40.0	9.20
	12.0	10.6	56.7	12.29	53.3	11.56	49.9	10.83	48.3	10.47	46.7	10.10	43.3	9.40	40.0	8.69
	15.0	13.5	56.7	11.58	53.3	10.89	49.9	10.21	48.3	9.87	46.7	9.53	43.3	8.87	40.0	8.22
43.8 (70%)	-19.3	-20.0	31.9	12.55	31.8	12.95	31.7	13.34	31.7	13.53	31.5	13.73	31.5	14.13	31.3	14.52
	-15.0	-16.0	36.9	13.57	36.7	13.97	36.6	14.36	36.5	14.57	36.4	14.76	36.3	15.16	34.0	14.35
	-12.0	-13.0	40.8	14.35	40.6	14.75	40.4	15.15	40.3	15.35	39.9	15.38	37.0	14.27	34.2	13.17
	-9.0	-10.0	44.7	15.14	44.4	15.54	42.9	15.22	41.5	14.70	40.0	14.18	37.2	13.17	34.3	12.16
	-7.0	-8.0	47.4	15.66	45.9	15.42	43.0	14.43	41.5	13.94	40.2	13.47	37.2	12.50	34.4	11.55
	-5.0	-6.0	48.9	15.61	46.0	14.66	43.1	13.72	41.7	13.27	40.2	12.80	37.4	11.89	34.5	10.99
	-3.0	-4.0	49.0	14.85	46.1	13.96	43.2	13.07	41.7	12.63	40.3	12.19	37.4	11.33	34.5	10.47
	-1.0	-2.0	49.1	14.15	46.2	13.30	43.3	12.46	41.9	12.04	40.4	11.63	37.5	10.81	34.7	9.99
	0.0	-1.0	49.2	13.82	46.2	12.99	43.4	12.18	41.9	11.77	40.5	11.37	37.5	10.56	34.7	9.77
	2.0	1.0	49.2	13.20	46.4	12.42	43.4	11.63	42.0	11.25	40.5	10.86	37.7	10.10	34.8	9.34
	5.0	4.0	49.5	12.35	46.7	11.62	43.7	10.89	42.2	10.53	40.8	10.17	37.9	9.46	35.0	8.75
	7.0	6.0	49.5	11.82	46.7	11.13	43.7	10.43	42.2	10.09	40.8	9.75	37.9	9.07	35.0	8.41
	9.0	7.8	49.5	11.38	46.7	10.71	43.7	10.04	42.2	9.72	40.8	9.39	37.9	8.74	35.0	8.10
	12.0	10.6	49.5	10.73	46.7	10.10	43.7	9.49	42.2	9.18	40.8	8.87	37.9	8.26	35.0	7.66
	15.0	13.5	49.5	10.13	46.7	9.53	43.7	8.95	42.2	8.67	40.8	8.38	37.9	7.80	35.0	7.24
37.5 (60%)	-19.3	-20.0	31.7	13.29	31.5	13.68	31.5	14.07	31.3	14.27	31.3	14.46	31.1	14.85	29.0	13.91
	-15.0	-16.0	36.5	14.42	36.4	14.82	36.2	15.21	35.2	14.86	34.0	14.35	31.7	13.33	29.2	12.31
	-12.0	-13.0	40.3	15.29	39.0	15.07	36.7	14.11	35.4	13.64	34.2	13.17	31.7	12.24	29.3	11.31
	-9.0	-10.0	41.7	14.77	39.2	13.89	36.7	13.02	35.5	12.58	34.3	12.16	31.9	11.30	29.4	10.45
	-7.0	-8.0	41.7	14.02	39.3	13.19	36.9	12.36	35.6	11.96	34.4	11.55	31.9	10.74	29.5	9.93
	-5.0	-6.0	41.9	13.33	39.4	12.54	36.9	11.76	35.7	11.37	34.5	10.99	32.0	10.22	29.5	9.47
	-3.0	-4.0	42.0	12.69	39.5	11.95	37.0	11.20	35.7	10.84	34.5	10.47	32.1	9.74	29.6	9.02
	-1.0	-2.0	42.0	12.10	39.6	11.39	37.1	10.69	35.9	10.35	34.7	9.99	32.2	9.31	29.7	8.62
	0.0	-1.0	42.1	11.83	39.7	11.14	37.2	10.45	35.9	10.11	34.7	9.77	32.2	9.10	29.7	8.43
	2.0	1.0	42.2	11.30	39.8	10.64	37.3	9.99	36.0	9.66	34.8	9.34	32.3	8.71	29.7	8.07
	5.0	4.0	42.5	10.58	40.0	9.97	37.5	9.36	36.2	9.06	35.0	8.75	32.5	8.17	30.0	7.57
	7.0	6.0	42.5	10.14	40.0	9.56	37.5	8.97	36.2	8.68	35.0	8.41	32.5	7.83	30.0	7.27
	9.0	7.8	42.5	9.76	40.0	9.20	37.5	8.65	36.2	8.37	35.0	8.10	32.5	7.55	30.0	7.01
	12.0	10.6	42.5	9.22	40.0	8.69	37.5	8.18	36.2	7.92	35.0	7.66	32.5	7.14	30.0	6.64
	15.0	13.5	42.5	8.71	39.9	8.22	37.5	7.72	36.2	7.48	35.0	7.24	32.5	6.76	30.0	6.28
31.3 (50%)	-19.3	-20.0	31.3	14.30	31.2	14.68	30.2	14.48	29.2	14.00	28.2	13.52	26.2	12.57	24.2	11.62
	-15.0	-16.0	34.5	14.52	32.4	13.67	30.4	12.82	29.4	12.40	28.4	11.98	26.4	11.14	24.3	10.31
	-12.0	-13.0	34.6	13.33	32.5	12.55	30.5	11.78	29.5	11.39	28.5	11.01	26.4	10.25	24.4	9.49
	-9.0	-10.0	34.7	12.29	32.7	11.58	30.7	10.87	29.6	10.52	28.6	10.17	26.5	9.48	24.5	8.78
	-7.0	-8.0	34.8	11.68	32.7	11.00	30.7	10.33	29.7	10.01	28.7	9.67	26.6	9.01	24.5	8.35
	-5.0	-6.0	34.9	11.12	32.8	10.47	30.7	9.84	29.7	9.53	28.7	9.21	26.7	8.59	24.6	7.96
	-3.0	-4.0	35.0	10.60	32.9	9.98	30.9	9.38	29.8	9.09	28.7	8.78	26.7	8.20	24.7	7.61
	-1.0	-2.0	35.0	10.11	33.0	9.54	30.9	8.96	29.9	8.68	28.9	8.39	26.8	7.83	24.7	7.27
	0.0	-1.0	35.1	9.88	33.0	9.32	30.9	8.76	29.9	8.48	28.9	8.21	26.8	7.66	24.7	7.12
	2.0	1.0	35.2	9.45	33.2	8.92	31.0	8.38	30.0	8.12	29.0	7.86	26.9	7.33	24.9	6.81
	5.0	4.0	35.4	8.86	33.3	8.36	31.2	7.86	30.2	7.62	29.2	7.38	27.0	6.89	25.0	6.40
	7.0	6.0	35.4	8.49	33.3	8.02	31.2	7.55	30.2	7.31	29.2	7.08	27.0	6.61	25.0	6.16
	9.0	7.8	35.4	8.19	33.3	7.73	31.2	7.29	30.2	7.06	29.2	6.83	27.0	6.38	25.0	5.95
	12.0	10.6	35.4	7.74	33.3	7.32	31.2	6.90	30.2	6.69	29.2	6.48	27.0	6.06	25.0	5.64
	15.0	13.5	35.4	7.32	33.3	6.93	31.2	6.52	30.2	6.33	29.2	6.13	27.0	5.73	25.0	5.35

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ✳198LALH

● Capacity : 69.0 kW (22HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
103.5 (150%)	-19.3	-20.0	36.1	11.53	36.1	11.99	35.9	12.46	35.9	12.68	35.8	12.91	35.7	13.37	35.6	13.84
	-15.0	-16.0	42.1	12.21	42.0	12.68	41.8	13.15	41.8	13.39	41.6	13.63	41.4	14.10	41.3	14.57
	-12.0	-13.0	46.8	12.72	46.6	13.20	46.4	13.67	46.2	13.91	46.2	14.15	46.0	14.64	45.8	15.11
	-9.0	-10.0	51.7	13.22	51.4	13.71	51.1	14.19	51.0	14.44	50.9	14.69	50.6	15.17	50.4	15.66
	-7.0	-8.0	55.0	13.57	54.6	14.06	54.4	14.54	54.3	14.79	54.1	15.03	53.8	15.53	53.6	16.02
	-5.0	-6.0	58.3	13.91	58.0	14.39	57.7	14.89	57.6	15.14	57.4	15.38	57.1	15.88	56.7	16.38
	-3.0	-4.0	61.8	14.24	61.4	14.74	61.1	15.25	60.9	15.49	60.7	15.74	60.4	16.24	60.0	16.74
	-1.0	-2.0	65.2	14.58	64.8	15.08	64.4	15.59	64.2	15.84	64.0	16.09	63.7	16.61	63.3	17.11
	0.0	-1.0	66.9	14.75	66.6	15.26	66.2	15.77	66.0	16.01	65.7	16.27	65.3	16.78	65.0	17.29
	2.0	1.0	70.5	15.09	70.1	15.60	69.7	16.12	69.4	16.37	69.2	16.63	68.8	17.15	68.3	17.65
	5.0	4.0	76.1	15.60	75.6	16.12	75.1	16.64	74.9	16.90	74.6	17.16	74.1	17.69	73.6	18.21
	7.0	6.0	79.6	15.95	79.1	16.47	78.5	17.00	78.2	17.26	78.0	17.52	77.4	18.06	76.9	18.58
	9.0	7.8	82.7	16.26	82.2	16.79	81.5	17.32	81.3	17.59	80.9	17.85	80.4	18.39	79.8	18.92
	12.0	10.6	87.7	16.75	87.0	17.29	86.4	17.83	86.0	18.09	85.7	18.36	85.0	18.90	82.8	18.84
	15.0	13.5	92.7	17.26	92.1	17.81	91.4	18.35	91.0	18.63	90.6	18.89	89.6	19.35	82.8	17.74
96.6 (140%)	-19.3	-20.0	36.1	11.70	35.9	12.16	35.9	12.63	35.8	12.86	35.7	13.09	35.6	13.56	35.5	14.01
	-15.0	-16.0	42.0	12.42	41.8	12.89	41.8	13.36	41.6	13.60	41.6	13.84	41.4	14.30	41.2	14.77
	-12.0	-13.0	46.7	12.96	46.5	13.43	46.2	13.91	46.2	14.15	46.1	14.39	45.9	14.86	45.7	15.35
	-9.0	-10.0	51.5	13.50	51.3	13.97	51.0	14.45	50.8	14.70	50.8	14.94	50.5	15.43	50.3	15.92
	-7.0	-8.0	54.8	13.85	54.5	14.34	54.3	14.82	54.1	15.07	53.9	15.31	53.7	15.81	53.4	16.29
	-5.0	-6.0	58.1	14.21	57.8	14.69	57.4	15.19	57.4	15.44	57.2	15.68	56.9	16.18	56.5	16.68
	-3.0	-4.0	61.5	14.56	61.1	15.06	60.9	15.56	60.7	15.81	60.5	16.05	60.2	16.56	59.8	17.06
	-1.0	-2.0	64.9	14.93	64.6	15.43	64.2	15.93	64.0	16.18	63.8	16.44	63.5	16.94	63.0	17.44
	0.0	-1.0	66.7	15.10	66.3	15.60	65.9	16.12	65.7	16.37	65.5	16.62	65.1	17.13	64.6	17.63
	2.0	1.0	70.2	15.47	69.7	15.97	69.3	16.49	69.1	16.74	68.8	17.00	68.4	17.51	67.9	18.02
	5.0	4.0	75.7	16.01	75.2	16.53	74.7	17.05	74.5	17.31	74.2	17.57	73.7	18.08	73.2	18.60
	7.0	6.0	79.1	16.38	78.6	16.90	78.0	17.42	77.8	17.69	77.5	17.95	76.9	18.47	76.4	18.99
	9.0	7.8	82.2	16.71	81.6	17.24	81.1	17.76	80.8	18.03	80.4	18.30	79.9	18.82	77.2	18.56
	12.0	10.6	87.0	17.23	86.4	17.77	85.7	18.30	85.5	18.57	85.1	18.84	83.7	19.07	77.2	17.49
	15.0	13.5	92.1	17.78	91.4	18.32	90.7	18.86	90.3	19.14	89.9	19.41	83.7	17.95	77.2	16.47
89.7 (130%)	-19.3	-20.0	36.1	11.91	35.9	12.37	35.8	12.83	35.7	13.06	35.7	13.30	35.6	13.76	35.4	14.22
	-15.0	-16.0	42.0	12.66	41.8	13.13	41.6	13.60	41.6	13.84	41.5	14.08	41.3	14.54	41.1	15.01
	-12.0	-13.0	46.6	13.22	46.4	13.71	46.2	14.18	46.0	14.42	46.0	14.66	45.8	15.14	45.5	15.61
	-9.0	-10.0	51.3	13.80	51.1	14.28	50.8	14.76	50.8	15.01	50.6	15.25	50.4	15.72	50.1	16.21
	-7.0	-8.0	54.6	14.17	54.3	14.66	54.1	15.14	53.9	15.40	53.8	15.64	53.5	16.12	53.2	16.61
	-5.0	-6.0	57.9	14.56	57.6	15.04	57.3	15.53	57.1	15.79	57.0	16.03	56.7	16.52	56.3	17.02
	-3.0	-4.0	61.3	14.93	60.9	15.43	60.5	15.92	60.4	16.18	60.2	16.42	59.8	16.92	59.5	17.41
	-1.0	-2.0	64.6	15.32	64.2	15.82	63.9	16.31	63.7	16.57	63.5	16.82	63.1	17.32	62.7	17.82
	0.0	-1.0	66.4	15.51	66.0	16.01	65.5	16.51	65.3	16.77	65.1	17.02	64.8	17.52	64.4	18.03
	2.0	1.0	69.9	15.90	69.4	16.40	69.0	16.91	68.8	17.17	68.5	17.42	68.1	17.93	67.6	18.44
	5.0	4.0	75.2	16.48	74.7	16.99	74.3	17.50	74.0	17.76	73.8	18.02	73.2	18.54	71.7	18.64
	7.0	6.0	78.7	16.87	78.1	17.39	77.6	17.91	77.3	18.17	76.9	18.43	76.4	18.95	71.7	17.84
	9.0	7.8	81.7	17.22	81.1	17.75	80.5	18.28	80.2	18.54	79.9	18.80	77.6	18.69	71.7	17.15
	12.0	10.6	86.4	17.79	85.7	18.32	85.1	18.85	84.8	19.12	83.7	19.07	77.6	17.60	71.7	16.17
	15.0	13.5	91.2	18.37	90.6	18.91	89.6	19.35	86.6	18.65	83.7	17.95	77.6	16.58	71.7	15.24
82.8 (120%)	-19.3	-20.0	35.9	12.15	35.9	12.61	35.7	13.07	35.7	13.30	35.6	13.53	35.5	13.99	35.4	14.45
	-15.0	-16.0	41.8	12.94	41.7	13.41	41.6	13.88	41.4	14.12	41.4	14.36	41.2	14.82	41.1	15.29
	-12.0	-13.0	46.4	13.54	46.2	14.02	46.0	14.49	46.0	14.73	45.8	14.97	45.7	15.44	45.5	15.92
	-9.0	-10.0	51.2	14.15	51.0	14.62	50.6	15.11	50.6	15.35	50.4	15.59	50.2	16.07	49.9	16.56
	-7.0	-8.0	54.4	14.55	54.1	15.03	53.8	15.52	53.7	15.76	53.6	16.01	53.2	16.50	53.0	16.98
	-5.0	-6.0	57.6	14.95	57.4	15.44	57.0	15.94	56.9	16.18	56.7	16.42	56.4	16.91	56.1	17.41
	-3.0	-4.0	60.9	15.36	60.6	15.85	60.3	16.35	60.1	16.59	60.0	16.85	59.6	17.34	59.2	17.84
	-1.0	-2.0	64.4	15.77	63.9	16.27	63.5	16.77	63.3	17.02	63.1	17.26	62.8	17.77	62.4	18.27
	0.0	-1.0	66.0	15.97	65.6	16.48	65.2	16.98	65.0	17.23	64.8	17.48	64.4	17.98	64.0	18.49
	2.0	1.0	69.4	16.39	69.0	16.89	68.5	17.40	68.3	17.65	68.1	17.91	67.6	18.41	65.8	18.33
	5.0	4.0	74.7	17.01	74.3	17.52	73.8	18.04	73.4	18.30	73.2	18.56	71.7	18.64	66.2	17.13
	7.0	6.0	78.0	17.44	77.5	17.95	76.9	18.47	76.7	18.73	76.4	18.99	71.7	17.84	66.2	16.39
	9.0	7.8	81.0	17.82	80.4	18.34	79.8	18.86	79.5	19.12	77.2	18.56	71.7	17.15	66.2	15.77
	12.0	10.6	85.7	18.42	85.0	18.95	82.8	18.84	79.9	18.16	77.2	17.49	71.7	16.17	66.2	14.87
	15.0	13.5	90.4	19.04	88.3	19.02	82.8	17.74	79.9	17.10	77.2	16.47	71.7	15.24	66.2	14.01
75.9 (110%)	-19.3	-20.0	35.9	12.43	35.8	12.89	35.7	13.35	35.6	13.58	35.6	13.81	35.4	14.27	35.4	14.73
	-15.0	-16.0	41.8	13.28	41.6	13.74	41.4	14.21	41.3	14.45	41.3	14.68	41.1	15.15	40.9	15.61
	-12.0	-13.0	46.2	13.91	46.1	14.39	45.9	14.86	45.8	15.10	45.7	15.33	45.5	15.81	45.3	16.28
	-9.0	-10.0	51.0	14.56	50.8	15.03	50.5	15.51	50.3	15.76	50.2	16.00	49.9	16.48	49.7	16.96
	-7.0	-8.0	54.1	14.99	53.9	15.47	53.6	15.96	53.4	16.20	53.2	16.44	53.0	16.93	52.7	17.41
	-5.0	-6.0	57.4	15.42	57.0	15.91	56.7	16.40	56.5	16.65	56.4	16.89	56.1	17.38	55.8	17.86
	-3.0	-4.0	60.6	15.86	60.3	16.35	60.0	16.85	59.8	17.09	59.6	17.34	59.2	17.83	58.9	18.32
	-1.0	-2.0	63.9	16.30	63.5	16.80	63.1	17.30	62.9	17.54	62.8	17.79	62.4	18.29	60.0	17.93
	0.0	-1.0	65.5	16.52	65.1	17.02	64.8	17.52	64.6	17.77	64.4	18.02	63.9	18.51	60.1	17.51
	2.0	1.0	68.9	16.96	68.5	17.47	68.1	17.97	67.8	18.23	67.6	18.47	65.3	18.19	60.3	16.73
	5.0	4.0	74.1	17.65	73.6	18.15	73.1	18.66	72.9	18.92	70.8	18.39	65.7	17.00	60.7	15.64
	7.0	6.0	77.3	18.10	76.8	18.61	75.8	18.93	73.2	18.26	70.8	17.59	65.7	16.27	60.7	14.97
	9.0	7.8	80.2	18.51	79.7	19.03	75.8	18.21	73.2	17.56	70.8	16.92	65.7	15.66	60.7	14.41
	12.0	10.6	84.8	19.16	80.9	18.39	75.8	17.16	73.2	16.56	70.8	15.95	65.7	14.76	60.7	13.58
	15.0	13.5	85.9	18.48	80.9	17.32	75.8	16.17	73.2	15.59	70.8	15.03	65.7	13.91	60.7	12.82

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ✳198LALH

● Capacity : 69.0 kW (22HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
69.0 (100%)	-19.3	-20.0	35.9	12.76	35.7	13.23	35.6	13.69	35.6	13.92	35.5	14.14	35.4	14.60	35.2	15.07
	-15.0	-16.0	41.6	13.67	41.4	14.14	41.3	14.60	41.2	14.84	41.1	15.07	40.9	15.54	40.8	16.00
	-12.0	-13.0	46.1	14.36	45.9	14.83	45.7	15.30	45.6	15.54	45.5	15.77	45.3	16.24	45.1	16.72
	-9.0	-10.0	50.7	15.05	50.5	15.53	50.2	16.00	50.1	16.24	49.9	16.48	49.7	16.96	49.4	17.44
	-7.0	-8.0	53.8	15.51	53.6	16.00	53.2	16.48	53.2	16.72	53.0	16.96	52.7	17.44	52.5	17.92
	-5.0	-6.0	57.0	15.98	56.7	16.46	56.4	16.95	56.2	17.19	56.0	17.43	55.8	17.92	54.3	17.89
	-3.0	-4.0	60.2	16.46	59.8	16.94	59.5	17.43	59.3	17.67	59.1	17.92	58.8	18.41	54.5	17.04
	-1.0	-2.0	63.5	16.93	63.1	17.43	62.6	17.91	62.4	18.16	62.2	18.41	59.1	17.65	54.6	16.24
	0.0	-1.0	65.0	17.17	64.6	17.67	64.2	18.16	64.0	18.40	63.8	18.63	59.2	17.23	54.6	15.86
	2.0	1.0	68.3	17.65	67.9	18.15	67.4	18.64	66.2	18.46	63.9	17.79	59.4	16.46	54.8	15.15
	5.0	4.0	73.4	18.38	72.9	18.88	69.0	17.87	66.6	17.25	64.4	16.62	59.7	15.39	55.2	14.17
	7.0	6.0	76.5	18.88	73.5	18.32	69.0	17.11	66.6	16.51	64.4	15.92	59.7	14.73	55.2	13.57
	9.0	7.8	78.2	18.80	73.5	17.62	69.0	16.46	66.6	15.88	64.4	15.31	59.7	14.18	55.2	13.07
	12.0	10.6	78.1	17.71	73.6	16.61	69.0	15.52	66.6	14.98	64.4	14.44	59.7	13.38	55.2	12.33
	15.0	13.5	78.2	16.69	73.6	15.65	69.0	14.62	66.6	14.11	64.4	13.60	59.7	12.61	55.2	11.63
62.1 (90%)	-19.3	-20.0	35.7	13.17	35.6	13.64	35.5	14.09	35.4	14.32	35.4	14.55	35.2	15.01	35.2	15.47
	-15.0	-16.0	41.4	14.15	41.3	14.62	41.1	15.09	41.1	15.31	40.9	15.55	40.8	16.02	40.6	16.47
	-12.0	-13.0	45.9	14.90	45.7	15.36	45.5	15.83	45.3	16.07	45.3	16.30	45.0	16.77	44.8	17.25
	-9.0	-10.0	50.4	15.64	50.1	16.11	49.9	16.59	49.7	16.83	49.7	17.06	49.4	17.54	48.7	17.77
	-7.0	-8.0	53.4	16.15	53.2	16.63	52.9	17.10	52.8	17.34	52.6	17.58	52.3	18.06	48.8	16.87
	-5.0	-6.0	56.5	16.65	56.3	17.13	56.0	17.62	55.8	17.86	55.6	18.10	53.0	17.42	48.9	16.05
	-3.0	-4.0	59.7	17.17	59.3	17.65	58.9	18.14	58.8	18.38	57.2	17.92	53.1	16.59	49.0	15.28
	-1.0	-2.0	62.8	17.69	62.4	18.17	61.4	18.36	59.4	17.71	57.4	17.08	53.2	15.82	49.1	14.57
	0.0	-1.0	64.4	17.95	64.0	18.44	61.5	17.93	59.4	17.31	57.4	16.69	53.3	15.46	49.1	14.24
	2.0	1.0	67.6	18.47	65.7	18.33	61.6	17.12	59.6	16.53	57.6	15.93	53.4	14.76	49.3	13.61
	5.0	4.0	70.3	18.26	66.2	17.13	62.0	16.01	60.0	15.45	57.9	14.90	53.7	13.81	49.6	12.74
	7.0	6.0	70.3	17.47	66.1	16.39	62.0	15.32	60.0	14.79	57.9	14.27	53.7	13.22	49.6	12.20
	9.0	7.8	70.3	16.81	66.2	15.77	62.0	14.75	60.0	14.23	57.9	13.73	53.7	12.74	49.6	11.75
	12.0	10.6	70.3	15.85	66.1	14.87	62.0	13.90	60.0	13.43	57.9	12.95	53.7	12.02	49.6	11.09
	15.0	13.5	70.3	14.92	66.2	14.01	62.0	13.11	60.0	12.67	57.9	12.22	53.7	11.33	49.6	10.47
55.2 (80%)	-19.3	-20.0	35.6	13.69	35.5	14.14	35.4	14.60	35.4	14.83	35.2	15.05	35.1	15.52	35.0	15.97
	-15.0	-16.0	41.2	14.75	41.1	15.21	40.9	15.67	40.9	15.91	40.7	16.13	40.6	16.60	40.4	17.06
	-12.0	-13.0	45.6	15.55	45.3	16.02	45.2	16.49	45.1	16.73	45.0	16.95	44.8	17.42	43.1	17.07
	-9.0	-10.0	50.1	16.37	49.7	16.84	49.5	17.32	49.4	17.55	49.2	17.79	46.9	17.09	43.2	15.75
	-7.0	-8.0	53.0	16.93	52.7	17.40	52.5	17.88	52.3	18.11	50.6	17.51	46.9	16.23	43.4	14.97
	-5.0	-6.0	56.0	17.49	55.8	17.96	54.3	17.89	52.5	17.27	50.7	16.66	47.1	15.44	43.4	14.23
	-3.0	-4.0	59.1	18.05	58.1	18.21	54.5	17.04	52.6	16.44	50.8	15.86	47.2	14.70	43.6	13.56
	-1.0	-2.0	61.8	18.51	58.3	17.36	54.6	16.24	52.8	15.68	51.0	15.13	47.3	14.03	43.6	12.94
	0.0	-1.0	62.0	18.07	58.3	16.97	54.6	15.86	52.8	15.32	51.0	14.78	47.3	13.70	43.7	12.65
	2.0	1.0	62.2	17.25	58.5	16.19	54.8	15.15	53.0	14.63	51.1	14.12	47.5	13.10	43.9	12.09
	5.0	4.0	62.5	16.13	58.8	15.14	55.2	14.17	53.3	13.69	51.5	13.22	47.8	12.26	44.1	11.32
	7.0	6.0	62.5	15.44	58.8	14.50	55.2	13.57	53.3	13.11	51.5	12.66	47.8	11.75	44.1	10.86
	9.0	7.8	62.5	14.86	58.8	13.95	55.2	13.07	53.3	12.63	51.5	12.18	47.8	11.31	44.1	10.45
	12.0	10.6	62.5	14.01	58.8	13.17	55.1	12.33	53.3	11.92	51.5	11.50	47.8	10.69	44.1	9.88
	15.0	13.5	62.5	13.21	58.8	12.41	55.1	11.63	53.3	11.24	51.5	10.85	47.8	10.08	44.1	9.33
48.3 (70%)	-19.3	-20.0	35.4	14.33	35.4	14.79	35.2	15.24	35.2	15.47	35.1	15.69	35.0	16.15	34.9	16.61
	-15.0	-16.0	40.9	15.50	40.8	15.97	40.6	16.42	40.6	16.66	40.4	16.88	40.3	17.35	37.5	16.23
	-12.0	-13.0	45.2	16.39	45.0	16.86	44.8	17.33	44.7	17.55	44.0	17.43	40.8	16.17	37.7	14.91
	-9.0	-10.0	49.5	17.30	49.2	17.77	47.3	17.26	45.8	16.67	44.1	16.08	41.0	14.92	37.9	13.77
	-7.0	-8.0	52.5	17.91	50.6	17.51	47.4	16.39	45.8	15.83	44.3	15.28	41.1	14.17	37.9	13.09
	-5.0	-6.0	53.9	17.74	50.7	16.66	47.5	15.59	46.0	15.06	44.3	14.53	41.2	13.49	38.0	12.46
	-3.0	-4.0	54.1	16.89	50.8	15.87	47.6	14.85	46.0	14.35	44.5	13.84	41.2	12.86	38.1	11.87
	-1.0	-2.0	54.1	16.10	51.0	15.13	47.8	14.16	46.2	13.68	44.5	13.21	41.4	12.27	38.2	11.34
	0.0	-1.0	54.2	15.73	51.0	14.78	47.8	13.84	46.2	13.38	44.7	12.91	41.4	11.99	38.2	11.08
	2.0	1.0	54.3	15.02	51.1	14.12	47.9	13.22	46.3	12.79	44.7	12.34	41.5	11.47	38.4	10.60
	5.0	4.0	54.6	14.05	51.5	13.22	48.2	12.38	46.6	11.97	45.0	11.56	41.8	10.74	38.6	9.93
	7.0	6.0	54.6	13.46	51.5	12.66	48.2	11.86	46.6	11.47	45.0	11.08	41.8	10.30	38.6	9.53
	9.0	7.8	54.6	12.96	51.5	12.18	48.2	11.42	46.6	11.05	45.0	10.67	41.8	9.93	38.6	9.18
	12.0	10.6	54.6	12.22	51.5	11.50	48.2	10.79	46.6	10.43	45.0	10.08	41.8	9.37	38.6	8.68
	15.0	13.5	54.6	11.53	51.5	10.85	48.2	10.18	46.6	9.85	45.0	9.52	41.8	8.86	38.6	8.20
41.4 (60%)	-19.3	-20.0	35.2	15.19	35.1	15.64	35.0	16.10	34.9	16.32	34.9	16.55	34.6	16.95	32.0	15.68
	-15.0	-16.0	40.6	16.49	40.4	16.96	40.2	17.37	38.9	16.81	37.5	16.23	34.9	15.06	32.2	13.91
	-12.0	-13.0	44.8	17.50	43.1	17.07	40.4	15.98	39.0	15.44	37.7	14.91	35.0	13.85	32.3	12.79
	-9.0	-10.0	46.0	16.75	43.2	15.75	40.5	14.76	39.2	14.26	37.9	13.77	35.1	12.79	32.4	11.83
	-7.0	-8.0	46.0	15.91	43.4	14.97	40.6	14.02	39.2	13.55	37.9	13.09	35.2	12.16	32.5	11.24
	-5.0	-6.0	46.2	15.14	43.4	14.23	40.7	13.34	39.4	12.89	38.0	12.46	35.3	11.58	32.6	10.71
	-3.0	-4.0	46.3	14.42	43.6	13.56	40.8	12.71	39.4	12.30	38.1	11.87	35.3	11.04	32.6	10.22
	-1.0	-2.0	46.4	13.75	43.6	12.94	40.9	12.13	39.6	11.74	38.2	11.34	35.5	10.55	32.7	9.76
	0.0	-1.0	46.4	13.44	43.7	12.65	41.0	11.86	39.6	11.47	38.2	11.08	35.5	10.31	32.7	9.55
	2.0	1.0	46.5	12.84	43.9	12.09	41.1	11.34	39.7	10.97	38.4	10.60	35.6	9.87	32.8	9.14
	5.0	4.0	46.9	12.03	44.1	11.32	41.4	10.63	39.9	10.28	38.6	9.93	35.8	9.25	33.1	8.57
	7.0	6.0	46.9	11.53	44.1	10.86	41.4	10.19	39.9	9.86	38.6	9.53	35.8	8.87	33.1	8.23
	9.0	7.8	46.9	11.10	44.1	10.45	41.4	9.82	39.9	9.50	38.6	9.18	35.8	8.55	33.1	7.94
	12.0	10.6	46.9	10.49	44.1	9.88	41.4	9.28	39.9	8.98	38.6	8.68	35.8	8.09	33.1	7.51
	15.0	13.5	46.9	9.90	44.0	9.33	41.4	8.76	39.9	8.48	38.6	8.20	35.8	7.66	33.1	7.10
34.5 (50%)	-19.3	-20.0	34.9	16.37	34.7	16.82	33.3	16.33	32.2	15.79	31.1	15.24	28.9	14.16	26.7	13.09
	-15.0	-16.0	38.0	16.42	35.7	15.45	33.5	14.49	32.4	14.00	31.3	13.53	29.1	12.58	26.8	11.63
	-12.0	-13.0	38.1	15.09	35.9	14.20	33.7	13.32	32.5	12.88	31.4	12.45	29.1	11.58	26.9	10.71
	-9.0	-10.0	38.3	13.93	36.0	13.11	33.8	12.31	32.6	11.90	31.5	11.51	29.2	10.71	27.0	9.91
	-7.0	-8.0	38.4	13.24	36.1	12.46	33.8	11.70	32.7	11.32	31.6	10.94	29.3	10.19	27.0	9.43
	-5.0	-6.0	38.5	12.61	36.2	11.87	33.9	11.14	32.8	10.79	31.6	10.42	29.4	9.71	27.1	8.99
	-3.0	-4.0	38.6	12.02	36.3	11.32	34.0	10.63	32.9	10.29	31.7	9.94	29.4	9.27	27.2	8.60
	-1.0	-2.0	38.6	11.47	36.4	10.81	34.1	10.15	32.9	9.83	31.8	9.50	29.6	8.86	27.2	8.21
	0.0	-1.0	38.7	11.21	36.4	10.57	34.1	9.92	33.0	9.61	31.8	9.29	29.6	8.66	27.2	8.04
	2.0	1.0	38.8	10.72	36.6	10.11	34.2	9.50	33.1	9.20	32.0	8.90	29.6	8.29	27.5	7.69
	5.0	4.0	39.0	10.05	36.8	9.48	34.4	8.91	33.3	8.63	32.2	8.35	29.8	7.79	27.6	7.23
	7.0	6.0	39.0	9.63	36.8	9.09	34.4	8.55	33.3	8.28	32.2	8.01	29.8	7.47	27.6	6.95
	9.0	7.8	39.0	9.29	36.8	8.76	34.4	8.25	33.3	7.99	32.2	7.73	29.8	7.21	27.6	6.71
	12.0	10.6	39.0	8.78	36.8	8.29	34.4	7.81	33.3	7.56	32.2	7.32	29.8	6.84	27.6	6.36
	15.0	13.5	39.0	8.30	36.8	7.84	34.4	7.38	33.3	7.16	32.2	6.93	29.8	6.47	27.6	6.02

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ*216LALH

● Capacity : 75.0 kW (24HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
112.5 (150%)	-19.3	-20.0	39.2	12.56	39.2	13.06	39.0	13.56	39.0	13.80	38.8	14.04	38.8	14.54	38.6	15.04
	-15.0	-16.0	45.8	13.30	45.6	13.80	45.4	14.30	45.4	14.56	45.2	14.82	45.0	15.32	44.8	15.82
	-12.0	-13.0	50.8	13.84	50.6	14.36	50.4	14.86	50.2	15.12	50.2	15.38	50.0	15.90	49.8	16.40
	-9.0	-10.0	56.2	14.38	55.8	14.90	55.6	15.42	55.4	15.68	55.4	15.96	55.0	16.48	54.8	17.00
	-7.0	-8.0	59.8	14.76	59.4	15.28	59.2	15.80	59.0	16.06	58.8	16.32	58.4	16.86	58.2	17.38
	-5.0	-6.0	63.4	15.12	63.0	15.64	62.8	16.18	62.6	16.44	62.4	16.70	62.0	17.24	61.6	17.78
	-3.0	-4.0	67.2	15.48	66.8	16.02	66.4	16.56	66.2	16.82	66.0	17.08	65.6	17.62	65.2	18.16
	-1.0	-2.0	71.0	15.84	70.4	16.38	70.0	16.92	69.8	17.20	69.6	17.46	69.2	18.02	68.8	18.56
	0.0	-1.0	72.8	16.02	72.4	16.58	72.0	17.12	71.8	17.38	71.4	17.66	71.0	18.20	70.6	18.76
	2.0	1.0	76.6	16.40	76.2	16.94	75.8	17.50	75.4	17.76	75.2	18.04	74.8	18.60	74.2	19.14
	5.0	4.0	82.8	16.94	82.2	17.50	81.6	18.06	81.4	18.34	81.2	18.62	80.6	19.18	80.0	19.74
	7.0	6.0	86.6	17.32	86.0	17.88	85.4	18.44	85.0	18.72	84.8	19.00	84.2	19.58	83.6	20.14
	9.0	7.8	90.0	17.66	89.4	18.22	88.6	18.78	88.4	19.08	88.0	19.36	87.4	19.94	86.8	20.50
	12.0	10.6	95.4	18.18	94.6	18.76	94.0	19.34	93.6	19.62	93.2	19.90	92.4	20.48	90.0	20.42
	15.0	13.5	100.8	18.72	100.2	19.32	99.4	19.90	99.0	20.20	98.6	20.48	97.4	20.96	90.0	19.22
105.0 (140%)	-19.3	-20.0	39.2	12.74	39.0	13.24	39.0	13.74	38.8	13.98	38.8	14.24	38.6	14.74	38.6	15.22
	-15.0	-16.0	45.6	13.52	45.4	14.02	45.4	14.52	45.2	14.78	45.2	15.04	45.0	15.54	44.8	16.04
	-12.0	-13.0	50.8	14.10	50.6	14.60	50.2	15.12	50.2	15.38	50.0	15.64	49.8	16.14	49.6	16.66
	-9.0	-10.0	56.0	14.68	55.8	15.18	55.4	15.70	55.2	15.96	55.2	16.22	54.8	16.76	54.6	17.28
	-7.0	-8.0	59.6	15.06	59.2	15.58	59.0	16.10	58.8	16.36	58.6	16.62	58.4	17.16	58.0	17.68
	-5.0	-6.0	63.2	15.44	62.8	15.96	62.4	16.50	62.4	16.76	62.2	17.02	61.8	17.56	61.4	18.10
	-3.0	-4.0	66.8	15.82	66.4	16.36	66.2	16.90	66.0	17.16	65.8	17.42	65.4	17.96	65.0	18.50
	-1.0	-2.0	70.6	16.22	70.2	16.76	69.8	17.30	69.6	17.56	69.4	17.84	69.0	18.38	68.4	18.92
	0.0	-1.0	72.6	16.40	72.0	16.94	71.6	17.50	71.4	17.76	71.2	18.04	70.8	18.58	70.2	19.12
	2.0	1.0	76.4	16.80	75.8	17.34	75.4	17.90	75.2	18.16	74.8	18.44	74.4	18.98	73.8	19.54
	5.0	4.0	82.4	17.38	81.8	17.94	81.2	18.50	81.0	18.78	80.6	19.06	80.2	19.60	79.6	20.16
	7.0	6.0	86.0	17.78	85.4	18.34	84.8	18.90	84.6	19.18	84.2	19.46	83.6	20.02	83.0	20.58
	9.0	7.8	89.4	18.14	88.8	18.70	88.2	19.26	87.8	19.56	87.4	19.84	86.8	20.40	84.0	20.12
	12.0	10.6	94.6	18.70	94.0	19.28	93.2	19.84	93.0	20.14	92.6	20.42	91.0	20.66	84.0	18.96
	15.0	13.5	100.2	19.28	99.4	19.86	98.6	20.44	98.2	20.74	97.8	21.04	91.0	19.46	84.0	17.86
97.5 (130%)	-19.3	-20.0	39.2	12.96	39.0	13.46	38.8	13.96	38.8	14.20	38.8	14.46	38.6	14.96	38.4	15.44
	-15.0	-16.0	45.6	13.78	45.4	14.28	45.2	14.78	45.2	15.04	45.0	15.30	44.8	15.80	44.6	16.30
	-12.0	-13.0	50.6	14.38	50.4	14.90	50.2	15.40	50.0	15.66	50.0	15.92	49.8	16.44	49.4	16.94
	-9.0	-10.0	55.8	15.00	55.6	15.52	55.2	16.04	55.2	16.30	55.0	16.56	54.8	17.06	54.4	17.58
	-7.0	-8.0	59.4	15.40	59.0	15.92	58.8	16.44	58.6	16.72	58.4	16.98	58.2	17.50	57.8	18.02
	-5.0	-6.0	63.0	15.82	62.6	16.34	62.2	16.86	62.0	17.14	62.0	17.40	61.6	17.92	61.2	18.46
	-3.0	-4.0	66.6	16.22	66.2	16.76	65.8	17.28	65.6	17.56	65.4	17.82	65.0	18.36	64.6	18.88
	-1.0	-2.0	70.2	16.64	69.8	17.18	69.4	17.70	69.2	17.98	69.0	18.24	68.6	18.78	68.2	19.32
	0.0	-1.0	72.2	16.84	71.8	17.38	71.2	17.92	71.0	18.20	70.8	18.46	70.4	19.00	70.0	19.54
	2.0	1.0	76.0	17.26	75.4	17.80	75.0	18.34	74.8	18.62	74.4	18.90	74.0	19.44	73.4	19.98
	5.0	4.0	81.8	17.88	81.2	18.44	80.8	18.98	80.4	19.26	80.2	19.54	79.6	20.10	78.0	20.20
	7.0	6.0	85.6	18.30	85.0	18.86	84.4	19.42	84.0	19.70	83.6	19.98	83.0	20.54	78.0	19.34
	9.0	7.8	88.8	18.68	88.2	19.26	87.6	19.82	87.2	20.10	86.8	20.38	84.4	20.26	78.0	18.60
	12.0	10.6	94.0	19.30	93.2	19.86	92.6	20.44	92.2	20.72	91.0	20.66	84.4	19.08	78.0	17.54
	15.0	13.5	99.2	19.92	98.6	20.50	97.4	20.96	94.2	20.20	91.0	19.46	84.4	17.98	78.0	16.54
90.0 (120%)	-19.3	-20.0	39.0	13.22	39.0	13.72	38.8	14.22	38.8	14.46	38.6	14.70	38.6	15.20	38.4	15.70
	-15.0	-16.0	45.4	14.08	45.2	14.58	45.2	15.08	45.0	15.34	45.0	15.60	44.8	16.10	44.6	16.60
	-12.0	-13.0	50.4	14.72	50.2	15.24	50.0	15.74	50.0	16.00	49.8	16.26	49.6	16.76	49.4	17.28
	-9.0	-10.0	55.6	15.38	55.4	15.88	55.0	16.40	55.0	16.66	54.8	16.92	54.6	17.44	54.2	17.96
	-7.0	-8.0	59.2	15.80	58.8	16.32	58.4	16.84	58.4	17.10	58.2	17.38	57.8	17.90	57.6	18.42
	-5.0	-6.0	62.6	16.24	62.4	16.76	62.0	17.30	61.8	17.56	61.6	17.82	61.2	18.34	61.0	18.88
	-3.0	-4.0	66.2	16.68	65.8	17.20	65.6	17.74	65.4	18.00	65.2	18.28	64.8	18.80	64.4	19.34
	-1.0	-2.0	70.0	17.12	69.4	17.66	69.0	18.20	68.8	18.46	68.6	18.72	68.2	19.26	67.8	19.80
	0.0	-1.0	71.8	17.34	71.4	17.88	70.8	18.42	70.6	18.68	70.4	18.96	70.0	19.50	69.6	20.04
	2.0	1.0	75.4	17.78	75.0	18.32	74.4	18.88	74.2	19.14	74.0	19.42	73.4	19.96	71.6	19.88
	5.0	4.0	81.2	18.46	80.8	19.00	80.2	19.56	79.8	19.84	79.6	20.12	78.0	20.20	72.0	18.58
	7.0	6.0	84.8	18.92	84.2	19.46	83.6	20.02	83.4	20.30	83.0	20.58	78.0	19.34	72.0	17.78
	9.0	7.8	88.0	19.32	87.4	19.88	86.8	20.44	86.4	20.72	84.0	20.12	78.0	18.60	72.0	17.12
	12.0	10.6	93.2	19.98	92.4	20.54	90.0	20.42	86.8	19.68	84.0	18.96	78.0	17.54	72.0	16.14
	15.0	13.5	98.4	20.64	96.0	20.60	90.0	19.22	86.8	18.54	84.0	17.86	78.0	16.54	72.0	15.22
82.5 (110%)	-19.3	-20.0	39.0	13.52	38.8	14.02	38.8	14.52	38.6	14.76	38.6	15.00	38.4	15.50	38.4	16.00
	-15.0	-16.0	45.4	14.44	45.2	14.94	45.0	15.44	44.8	15.70	44.8	15.94	44.6	16.44	44.4	16.94
	-12.0	-13.0	50.2	15.12	50.0	15.64	49.8	16.14	49.8	16.40	49.6	16.64	49.4	17.16	49.2	17.66
	-9.0	-10.0	55.4	15.82	55.2	16.32	54.8	16.84	54.6	17.10	54.6	17.36	54.2	17.88	54.0	18.40
	-7.0	-8.0	58.8	16.28	58.6	16.80	58.2	17.32	58.0	17.58	57.8	17.84	57.6	18.36	57.2	18.88
	-5.0	-6.0	62.4	16.74	62.0	17.26	61.6	17.80	61.4	18.06	61.2	18.32	61.0	18.84	60.6	19.36
	-3.0	-4.0	65.8	17.22	65.6	17.74	65.2	18.28	65.0	18.54	64.8	18.80	64.4	19.32	64.0	19.86
	-1.0	-2.0	69.4	17.68	69.0	18.22	68.6	18.76	68.4	19.02	68.2	19.28	67.8	19.82	65.2	19.46
	0.0	-1.0	71.2	17.92	70.8	18.46	70.4	19.00	70.2	19.26	70.0	19.54	69.4	20.06	65.4	19.00
	2.0	1.0	75.0	18.40	74.4	18.94	74.0	19.48	73.6	19.76	73.4	20.02	71.0	19.72	65.6	18.16
	5.0	4.0	80.6	19.14	80.0	19.68	79.4	20.22	79.2	20.50	77.0	19.94	71.4	18.44	66.0	16.98
	7.0	6.0	84.0	19.62	83.4	20.18	82.4	20.52	79.6	19.80	77.0	19.08	71.4	17.66	66.0	16.26
	9.0	7.8	87.2	20.06	86.6	20.62	82.4	19.74	79.6	19.04	77.0	18.36	71.4	17.00	66.0	15.66
	12.0	10.6	92.2	20.76	88.0	19.92	82.4	18.60	79.6	17.96	77.0	17.30	71.4	16.02	66.0	14.76
	15.0	13.5	93.4	20.02	88.0	18.78	82.4	17.54	79.6	16.92	77.0	16.32	71.4	15.12	66.0	13.94

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ✳216LALH

● Capacity : 75.0 kW (24HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
75.0 (100%)	-19.3	-20.0	39.0	13.88	38.8	14.38	38.6	14.88	38.6	15.12	38.6	15.36	38.4	15.86	38.2	16.36
	-15.0	-16.0	45.2	14.86	45.0	15.36	44.8	15.86	44.8	16.12	44.6	16.36	44.4	16.86	44.2	17.36
	-12.0	-13.0	50.0	15.60	49.8	16.10	49.6	16.60	49.6	16.86	49.4	17.12	49.2	17.62	49.0	18.14
	-9.0	-10.0	55.0	16.34	54.8	16.86	54.6	17.36	54.4	17.62	54.2	17.88	54.0	18.40	53.6	18.90
	-7.0	-8.0	58.4	16.84	58.2	17.36	57.8	17.88	57.8	18.14	57.6	18.40	57.2	18.90	57.0	19.42
	-5.0	-6.0	62.0	17.34	61.6	17.86	61.2	18.38	61.0	18.64	60.8	18.90	60.6	19.42	59.0	19.42
	-3.0	-4.0	65.4	17.86	65.0	18.38	64.6	18.90	64.4	19.16	64.2	19.42	63.8	19.96	59.2	18.50
	-1.0	-2.0	69.0	18.36	68.6	18.90	68.0	19.42	67.8	19.68	67.6	19.96	64.2	19.16	59.4	17.64
	0.0	-1.0	70.6	18.62	70.2	19.16	69.8	19.68	69.6	19.94	69.4	20.20	64.4	18.70	59.4	17.22
	2.0	1.0	74.2	19.14	73.8	19.68	73.2	20.20	72.0	20.02	69.4	19.30	64.6	17.86	59.6	16.46
	5.0	4.0	79.8	19.92	79.2	20.46	75.0	19.38	72.4	18.72	70.0	18.04	64.8	16.72	60.0	15.40
	7.0	6.0	83.2	20.46	80.0	19.86	75.0	18.56	72.4	17.92	70.0	17.28	64.8	16.00	60.0	14.76
	9.0	7.8	85.0	20.38	80.0	19.10	75.0	17.86	72.4	17.24	70.0	16.62	64.8	15.40	60.0	14.22
	12.0	10.6	84.8	19.20	80.0	18.02	75.0	16.84	72.4	16.26	70.0	15.68	64.8	14.54	60.0	13.42
	15.0	13.5	85.0	18.10	80.0	16.98	75.0	15.88	72.4	15.32	70.0	14.78	64.8	13.72	60.0	12.66
67.5 (90%)	-19.3	-20.0	38.8	14.32	38.6	14.82	38.6	15.30	38.4	15.56	38.4	15.80	38.2	16.30	38.2	16.78
	-15.0	-16.0	45.0	15.38	44.8	15.88	44.6	16.38	44.6	16.62	44.4	16.88	44.2	17.38	44.0	17.86
	-12.0	-13.0	49.8	16.18	49.6	16.68	49.4	17.18	49.2	17.44	49.2	17.68	48.8	18.18	48.6	18.70
	-9.0	-10.0	54.8	16.98	54.4	17.48	54.2	18.00	54.0	18.26	54.0	18.50	53.6	19.02	53.0	19.30
	-7.0	-8.0	58.0	17.52	57.8	18.04	57.4	18.54	57.4	18.80	57.2	19.06	56.8	19.58	53.0	18.32
	-5.0	-6.0	61.4	18.06	61.2	18.58	60.8	19.10	60.6	19.36	60.4	19.62	57.6	18.92	53.2	17.44
	-3.0	-4.0	64.8	18.62	64.4	19.14	64.0	19.66	63.8	19.92	62.2	19.44	57.8	18.02	53.2	16.60
	-1.0	-2.0	68.2	19.18	67.8	19.70	66.8	19.92	64.6	19.22	62.4	18.54	57.8	17.18	53.4	15.84
	0.0	-1.0	70.0	19.46	69.6	19.98	66.8	19.46	64.6	18.78	62.4	18.12	58.0	16.80	53.4	15.48
	2.0	1.0	73.4	20.02	71.4	19.88	67.0	18.58	64.8	17.94	62.6	17.30	58.0	16.04	53.6	14.80
	5.0	4.0	76.4	19.80	72.0	18.58	67.4	17.38	65.2	16.78	63.0	16.18	58.4	15.02	54.0	13.86
	7.0	6.0	76.4	18.94	71.8	17.78	67.4	16.64	65.2	16.06	63.0	15.50	58.4	14.38	54.0	13.28
	9.0	7.8	76.4	18.24	72.0	17.12	67.4	16.02	65.2	15.46	63.0	14.92	58.4	13.86	54.0	12.80
	12.0	10.6	76.4	17.20	71.8	16.14	67.4	15.10	65.2	14.60	63.0	14.08	58.4	13.08	54.0	12.08
	15.0	13.5	76.4	16.20	72.0	15.22	67.4	14.26	65.2	13.78	63.0	13.30	58.4	12.34	54.0	11.42
60.0 (80%)	-19.3	-20.0	38.6	14.88	38.6	15.36	38.4	15.86	38.4	16.10	38.2	16.34	38.0	16.84	38.0	17.32
	-15.0	-16.0	44.8	16.02	44.6	16.50	44.4	17.00	44.4	17.26	44.2	17.50	44.0	18.00	43.8	18.50
	-12.0	-13.0	49.6	16.88	49.2	17.38	49.0	17.88	49.0	18.14	48.8	18.38	48.6	18.88	46.8	18.56
	-9.0	-10.0	54.4	17.76	54.0	18.26	53.8	18.78	53.6	19.02	53.4	19.28	51.0	18.56	47.0	17.12
	-7.0	-8.0	57.6	18.36	57.2	18.86	57.0	19.38	56.8	19.62	55.0	19.02	51.0	17.64	47.2	16.28
	-5.0	-6.0	60.8	18.96	60.6	19.46	59.0	19.42	57.0	18.76	55.2	18.10	51.2	16.78	47.2	15.48
	-3.0	-4.0	64.2	19.56	63.2	19.76	59.2	18.50	57.2	17.86	55.2	17.24	51.4	15.98	47.4	14.76
	-1.0	-2.0	67.2	20.08	63.4	18.84	59.4	17.64	57.4	17.04	55.4	16.44	51.4	15.26	47.4	14.08
	0.0	-1.0	67.4	19.60	63.4	18.42	59.4	17.22	57.4	16.64	55.4	16.06	51.4	14.90	47.6	13.78
	2.0	1.0	67.8	18.72	63.6	17.58	59.6	16.46	57.6	15.90	55.6	15.36	51.6	14.26	47.8	13.16
	5.0	4.0	68.0	17.50	64.0	16.44	60.0	15.40	58.0	14.88	56.0	14.38	52.0	13.34	48.0	12.34
	7.0	6.0	68.0	16.76	64.0	15.76	60.0	14.76	58.0	14.26	56.0	13.78	52.0	12.80	48.0	11.84
	9.0	7.8	68.0	16.14	64.0	15.16	60.0	14.22	58.0	13.74	56.0	13.26	52.0	12.32	48.0	11.40
	12.0	10.6	68.0	15.22	64.0	14.32	59.8	13.42	58.0	12.98	56.0	12.52	52.0	11.66	48.0	10.78
	15.0	13.5	68.0	14.36	64.0	13.50	59.8	12.66	58.0	12.24	56.0	11.82	52.0	11.00	48.0	10.20
52.5 (70%)	-19.3	-20.0	38.4	15.56	38.4	16.06	38.2	16.54	38.2	16.78	38.0	17.02	38.0	17.52	37.8	18.00
	-15.0	-16.0	44.4	16.82	44.2	17.32	44.0	17.80	44.0	18.06	43.8	18.30	43.8	18.80	40.8	17.66
	-12.0	-13.0	49.0	17.78	48.8	18.28	48.6	18.78	48.6	19.02	47.8	18.94	44.4	17.58	41.0	16.22
	-9.0	-10.0	53.8	18.76	53.4	19.26	51.4	18.76	49.8	18.12	48.0	17.48	44.6	16.24	41.2	15.00
	-7.0	-8.0	57.0	19.40	55.0	19.02	51.6	17.80	49.8	17.20	48.2	16.62	44.6	15.42	41.2	14.26
	-5.0	-6.0	58.6	19.26	55.2	18.10	51.6	16.94	50.0	16.38	48.2	15.80	44.8	14.68	41.4	13.58
	-3.0	-4.0	58.8	18.34	55.2	17.24	51.8	16.14	50.0	15.60	48.4	15.06	44.8	14.00	41.4	12.94
	-1.0	-2.0	58.8	17.48	55.4	16.44	52.0	15.40	50.2	14.88	48.4	14.38	45.0	13.36	41.6	12.36
	0.0	-1.0	59.0	17.08	55.4	16.06	52.0	15.06	50.2	14.56	48.6	14.06	45.0	13.06	41.6	12.08
	2.0	1.0	59.0	16.32	55.6	15.36	52.0	14.38	50.4	13.92	48.6	13.44	45.2	12.50	41.8	11.56
	5.0	4.0	59.4	15.28	56.0	14.38	52.4	13.48	50.6	13.04	49.0	12.60	45.4	11.72	42.0	10.84
	7.0	6.0	59.4	14.64	56.0	13.78	52.4	12.92	50.6	12.50	49.0	12.08	45.4	11.24	42.0	10.42
	9.0	7.8	59.4	14.10	56.0	13.26	52.4	12.44	50.6	12.04	49.0	11.64	45.4	10.84	42.0	10.04
	12.0	10.6	59.4	13.30	56.0	12.52	52.4	11.76	50.6	11.38	49.0	11.00	45.4	10.24	42.0	9.50
	15.0	13.5	59.4	12.56	56.0	11.82	52.4	11.10	50.6	10.76	49.0	10.40	45.4	9.68	42.0	8.98
45.0 (60%)	-19.3	-20.0	38.2	16.48	38.0	16.96	38.0	17.46	37.8	17.70	37.8	17.94	37.6	18.42	34.8	17.08
	-15.0	-16.0	44.0	17.88	43.8	18.38	43.6	18.86	42.2	18.28	40.8	17.66	38.0	16.40	35.0	15.16
	-12.0	-13.0	48.6	18.96	46.8	18.56	44.0	17.38	42.4	16.80	41.0	16.22	38.0	15.08	35.2	13.94
	-9.0	-10.0	50.0	18.20	47.0	17.12	44.0	16.06	42.6	15.52	41.2	15.00	38.2	13.94	35.2	12.90
	-7.0	-8.0	50.0	17.30	47.2	16.28	44.2	15.26	42.6	14.76	41.2	14.26	38.2	13.26	35.4	12.26
	-5.0	-6.0	50.2	16.46	47.2	15.48	44.2	14.52	42.8	14.04	41.4	13.58	38.4	12.62	35.4	11.70
	-3.0	-4.0	50.4	15.68	47.4	14.76	44.4	13.84	42.8	13.40	41.4	12.94	38.4	12.04	35.4	11.16
	-1.0	-2.0	50.4	14.96	47.4	14.08	44.4	13.22	43.0	12.80	41.6	12.36	38.6	11.52	35.6	10.66
	0.0	-1.0	50.4	14.62	47.6	13.78	44.6	12.92	43.0	12.50	41.6	12.08	38.6	11.26	35.6	10.44
	2.0	1.0	50.6	13.98	47.8	13.16	44.8	12.36	43.2	11.96	41.8	11.56	38.8	10.78	35.6	10.00
	5.0	4.0	51.0	13.10	48.0	12.34	45.0	11.60	43.4	11.22	42.0	10.84	39.0	10.12	36.0	9.38
	7.0	6.0	51.0	12.56	48.0	11.84	45.0	11.12	43.4	10.76	42.0	10.42	39.0	9.70	36.0	9.02
	9.0	7.8	51.0	12.10	48.0	11.40	45.0	10.72	43.4	10.38	42.0	10.04	39.0	9.36	36.0	8.70
	12.0	10.6	51.0	11.44	48.0	10.78	45.0	10.14	43.4	9.82	42.0	9.50	39.0	8.86	36.0	8.24
	15.0	13.5	51.0	10.80	47.8	10.20	45.0	9.58	43.4	9.28	42.0	8.98	39.0	8.40	36.0	7.80
37.5 (50%)	-19.3	-20.0	37.8	17.74	37.6	18.22	36.2	17.78	35.0	17.20	33.8	16.60	31.4	15.44	29.0	14.28
	-15.0	-16.0	41.4	17.86	38.8	16.82	36.4	15.78	35.2	15.26	34.0	14.74	31.6	13.72	29.2	12.70
	-12.0	-13.0	41.4	16.42	39.0	15.46	36.6	14.52	35.4	14.04	34.2	13.58	31.6	12.64	29.2	11.70
	-9.0	-10.0	41.6	15.16	39.2	14.28	36.8	13.42	35.4	12.98	34.2	12.56	31.8	11.70	29.4	10.84
	-7.0	-8.0	41.8	14.42	39.2	13.58	36.8	12.76	35.6	12.36	34.4	11.94	31.8	11.14	29.4	10.32
	-5.0	-6.0	41.8	13.74	39.4	12.94	36.8	12.16	35.6	11.78	34.4	11.38	32.0	10.62	29.4	9.84
	-3.0	-4.0	42.0	13.10	39.4	12.34	37.0	11.60	35.8	11.24	34.4	10.86	32.0	10.14	29.6	9.42
	-1.0	-2.0	42.0	12.50	39.6	11.80	37.0	11.08	35.8	10.74	34.6	10.38	32.2	9.70	29.6	9.00
	0.0	-1.0	42.0	12.22	39.6	11.54	37.0	10.84	35.8	10.50	34.6	10.16	32.2	9.48	29.6	8.82
	2.0	1.0	42.2	11.70	39.8	11.04	37.2	10.38	36.0	10.06	34.8	9.74	32.2	9.08	30.0	8.44
	5.0	4.0	42.4	10.98	40.0	10.36	37.4	9.74	36.2	9.44	35.0	9.14	32.4	8.54	30.0	7.94
	7.0	6.0	42.4	10.52	40.0	9.94	37.4	9.36	36.2	9.06	35.0	8.78	32.4	8.20	30.0	7.64
	9.0	7.8	42.4	10.16	40.0	9.58	37.4	9.04	36.2	8.76	35.0	8.48	32.4	7.92	30.0	7.38
	12.0	10.6	42.4	9.60	40.0	9.08	37.4	8.56	36.2	8.30	35.0	8.04	32.4	7.52	30.0	7.00
	15.0	13.5	42.4	9.08	40.0	8.60	37.4	8.10	36.2	7.86	35.0	7.62	32.4	7.12	30.0	6.64

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ✳234LALH

● Capacity : 82.5 kW (26HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
123.8 (150%)	-19.3	-20.0	43.2	14.03	43.1	14.59	43.0	15.14	42.9	15.42	42.8	15.69	42.7	16.25	42.6	16.81
	-15.0	-16.0	50.4	14.85	50.2	15.41	50.0	15.98	49.9	16.26	49.8	16.55	49.6	17.11	49.4	17.68
	-12.0	-13.0	55.9	15.46	55.7	16.04	55.5	16.60	55.3	16.89	55.3	17.18	55.0	17.76	54.8	18.33
	-9.0	-10.0	61.8	16.06	61.4	16.65	61.2	17.23	61.0	17.52	60.9	17.82	60.6	18.40	60.3	18.99
	-7.0	-8.0	65.7	16.48	65.4	17.06	65.1	17.65	64.9	17.94	64.7	18.24	64.3	18.83	64.1	19.42
	-5.0	-6.0	69.7	16.88	69.3	17.47	69.0	18.07	68.8	18.36	68.6	18.66	68.2	19.26	67.8	19.86
	-3.0	-4.0	73.9	17.29	73.4	17.89	73.0	18.49	72.8	18.79	72.6	19.08	72.2	19.69	71.8	20.29
	-1.0	-2.0	78.0	17.69	77.5	18.30	77.0	18.90	76.8	19.21	76.6	19.51	76.1	20.12	75.7	20.73
	0.0	-1.0	80.1	17.89	79.6	18.51	79.2	19.12	78.9	19.42	78.6	19.72	78.1	20.33	77.7	20.95
	2.0	1.0	84.3	18.31	83.8	18.92	83.3	19.54	83.0	19.84	82.7	20.15	82.3	20.77	81.7	21.38
	5.0	4.0	91.0	18.92	90.4	19.54	89.8	20.17	89.5	20.48	89.2	20.80	88.6	21.42	88.0	22.05
	7.0	6.0	95.2	19.34	94.5	19.96	93.9	20.59	93.5	20.91	93.2	21.22	92.6	21.86	91.9	22.49
	9.0	7.8	98.9	19.71	98.2	20.34	97.5	20.98	97.2	21.30	96.8	21.62	96.1	22.26	95.4	22.90
	12.0	10.6	104.8	20.29	104.0	20.94	103.3	21.59	102.9	21.91	102.5	22.23	101.6	22.88	99.0	22.81
	15.0	13.5	110.8	20.90	110.1	21.56	109.2	22.22	108.8	22.55	108.4	22.87	107.2	23.42	99.0	21.49
115.5 (140%)	-19.3	-20.0	43.2	14.24	43.0	14.79	42.9	15.35	42.8	15.62	42.8	15.91	42.6	16.47	42.5	17.01
	-15.0	-16.0	50.2	15.10	50.1	15.66	50.0	16.23	49.8	16.51	49.8	16.80	49.6	17.36	49.4	17.93
	-12.0	-13.0	55.9	15.75	55.7	16.31	55.3	16.89	55.3	17.18	55.1	17.47	54.9	18.04	54.7	18.61
	-9.0	-10.0	61.6	16.39	61.4	16.96	61.0	17.54	60.8	17.83	60.7	18.13	60.4	18.72	60.1	19.30
	-7.0	-8.0	65.5	16.82	65.2	17.40	64.9	17.99	64.7	18.28	64.5	18.57	64.2	19.17	63.9	19.75
	-5.0	-6.0	69.5	17.24	69.1	17.83	68.7	18.43	68.6	18.72	68.4	19.02	68.0	19.62	67.6	20.21
	-3.0	-4.0	73.5	17.67	73.1	18.27	72.8	18.87	72.6	19.17	72.4	19.46	71.9	20.07	71.5	20.67
	-1.0	-2.0	77.7	18.11	77.2	18.71	76.8	19.32	76.6	19.61	76.3	19.92	75.9	20.53	75.3	21.13
	0.0	-1.0	79.8	18.32	79.2	18.92	78.8	19.54	78.6	19.84	78.3	20.15	77.9	20.75	77.3	21.36
	2.0	1.0	84.0	18.76	83.4	19.37	82.9	19.99	82.7	20.29	82.3	20.60	81.8	21.21	81.3	21.83
	5.0	4.0	90.6	19.41	89.9	20.03	89.3	20.66	89.1	20.97	88.7	21.28	88.2	21.90	87.5	22.52
	7.0	6.0	94.6	19.85	93.9	20.48	93.3	21.11	93.0	21.42	92.6	21.74	92.0	22.36	91.3	22.99
	9.0	7.8	98.3	20.25	97.6	20.88	97.0	21.51	96.6	21.84	96.2	22.15	95.5	22.79	92.3	22.48
	12.0	10.6	104.0	20.88	103.3	21.52	102.5	22.16	102.2	22.49	101.8	22.80	100.1	23.08	92.3	21.19
	15.0	13.5	110.1	21.53	109.2	22.18	108.4	22.83	108.0	23.16	107.5	23.49	100.1	21.75	92.3	19.97
107.3 (130%)	-19.3	-20.0	43.2	14.48	43.0	15.04	42.8	15.60	42.8	15.87	42.8	16.15	42.6	16.71	42.4	17.26
	-15.0	-16.0	50.2	15.39	50.0	15.96	49.8	16.52	49.8	16.80	49.6	17.09	49.4	17.65	49.2	18.21
	-12.0	-13.0	55.7	16.07	55.5	16.64	55.3	17.21	55.1	17.50	55.0	17.79	54.8	18.36	54.5	18.93
	-9.0	-10.0	61.4	16.75	61.2	17.33	60.8	17.91	60.7	18.20	60.5	18.49	60.3	19.07	59.9	19.65
	-7.0	-8.0	65.3	17.20	65.0	17.79	64.7	18.37	64.5	18.67	64.3	18.96	64.0	19.55	63.6	20.13
	-5.0	-6.0	69.3	17.66	68.9	18.25	68.5	18.84	68.3	19.14	68.2	19.43	67.8	20.02	67.4	20.62
	-3.0	-4.0	73.3	18.12	72.8	18.72	72.4	19.31	72.2	19.61	72.0	19.91	71.6	20.51	71.2	21.10
	-1.0	-2.0	77.3	18.58	76.8	19.18	76.4	19.78	76.2	20.08	75.9	20.38	75.5	20.98	75.0	21.59
	0.0	-1.0	79.4	18.81	78.9	19.41	78.4	20.02	78.2	20.32	77.9	20.62	77.5	21.23	77.0	21.83
	2.0	1.0	83.5	19.27	83.0	19.88	82.5	20.49	82.2	20.80	81.9	21.11	81.4	21.71	80.8	22.32
	5.0	4.0	90.0	19.97	89.3	20.59	88.8	21.20	88.5	21.51	88.2	21.83	87.6	22.45	85.8	22.56
	7.0	6.0	94.1	20.44	93.4	21.06	92.8	21.69	92.4	22.00	92.0	22.32	91.4	22.94	85.8	21.60
	9.0	7.8	97.6	20.86	97.0	21.50	96.3	22.13	95.9	22.45	95.5	22.76	92.9	22.63	85.8	20.78
	12.0	10.6	103.3	21.54	102.5	22.18	101.8	22.82	101.4	23.14	100.1	23.08	92.9	21.32	85.8	19.60
	15.0	13.5	109.1	22.24	108.3	22.89	107.2	23.42	103.6	22.58	100.1	21.75	92.9	20.10	85.8	18.48
99.0 (120%)	-19.3	-20.0	43.0	14.77	43.0	15.33	42.8	15.89	42.7	16.16	42.6	16.43	42.5	16.99	42.4	17.54
	-15.0	-16.0	50.0	15.73	49.8	16.29	49.7	16.85	49.6	17.14	49.5	17.43	49.3	17.99	49.1	18.55
	-12.0	-13.0	55.5	16.45	55.3	17.02	55.1	17.59	55.0	17.88	54.9	18.16	54.6	18.73	54.4	19.31
	-9.0	-10.0	61.2	17.17	60.9	17.74	60.6	18.32	60.5	18.61	60.3	18.91	60.1	19.49	59.7	20.07
	-7.0	-8.0	65.1	17.65	64.7	18.23	64.3	18.82	64.3	19.11	64.1	19.41	63.7	19.99	63.4	20.58
	-5.0	-6.0	68.9	18.14	68.6	18.73	68.2	19.32	68.0	19.61	67.8	19.91	67.4	20.49	67.1	21.09
	-3.0	-4.0	72.9	18.63	72.5	19.22	72.1	19.82	71.9	20.11	71.7	20.42	71.3	21.01	70.9	21.60
	-1.0	-2.0	77.0	19.12	76.4	19.72	76.0	20.32	75.7	20.62	75.5	20.92	75.1	21.52	74.6	22.12
	0.0	-1.0	79.0	19.37	78.5	19.97	77.9	20.57	77.7	20.87	77.5	21.18	77.0	21.78	76.6	22.38
	2.0	1.0	83.0	19.86	82.5	20.47	81.9	21.08	81.7	21.38	81.4	21.69	80.8	22.30	78.7	22.19
	5.0	4.0	89.3	20.62	88.8	21.23	88.2	21.85	87.8	22.16	87.6	22.47	85.8	22.56	79.2	20.75
	7.0	6.0	93.3	21.12	92.6	21.74	92.0	22.36	91.7	22.67	91.3	22.99	85.8	21.60	79.2	19.86
	9.0	7.8	96.8	21.58	96.1	22.20	95.5	22.83	95.1	23.14	92.4	22.48	85.8	20.78	79.2	19.12
	12.0	10.6	102.4	22.30	101.6	22.94	99.0	22.81	95.6	22.00	92.4	21.19	85.8	19.60	79.2	18.04
	15.0	13.5	108.1	23.05	105.6	23.03	99.0	21.49	95.6	20.72	92.4	19.97	85.8	18.48	79.2	17.01
90.8 (110%)	-19.3	-20.0	43.0	15.11	42.8	15.67	42.7	16.22	42.6	16.49	42.6	16.77	42.4	17.32	42.3	17.88
	-15.0	-16.0	50.0	16.13	49.8	16.69	49.6	17.25	49.4	17.54	49.4	17.81	49.2	18.37	49.0	18.94
	-12.0	-13.0	55.3	16.89	55.1	17.47	54.9	18.03	54.8	18.32	54.7	18.60	54.4	19.17	54.2	19.74
	-9.0	-10.0	61.0	17.67	60.7	18.24	60.4	18.82	60.2	19.11	60.1	19.40	59.7	19.98	59.5	20.56
	-7.0	-8.0	64.7	18.18	64.5	18.77	64.1	19.35	63.9	19.64	63.7	19.93	63.4	20.51	63.1	21.09
	-5.0	-6.0	68.6	18.70	68.2	19.29	67.8	19.88	67.6	20.17	67.4	20.47	67.1	21.05	66.7	21.64
	-3.0	-4.0	72.5	19.23	72.1	19.82	71.7	20.42	71.5	20.71	71.3	21.00	70.9	21.59	70.4	22.19
	-1.0	-2.0	76.4	19.75	76.0	20.35	75.5	20.95	75.3	21.25	75.1	21.54	74.6	22.14	71.8	21.71
	0.0	-1.0	78.4	20.02	77.9	20.62	77.5	21.22	77.2	21.52	77.0	21.82	76.4	22.42	71.9	21.21
	2.0	1.0	82.4	20.55	81.9	21.16	81.4	21.76	81.0	22.07	80.8	22.37	78.1	22.02	72.1	20.27
	5.0	4.0	88.6	21.37	88.0	21.98	87.4	22.59	87.1	22.90	84.7	22.26	78.6	20.59	72.6	18.96
	7.0	6.0	92.4	21.91	91.8	22.53	90.7	22.92	87.6	22.11	84.7	21.31	78.6	19.72	72.6	18.16
	9.0	7.8	95.9	22.41	95.3	23.03	90.7	22.05	87.6	21.27	84.7	20.51	78.6	18.99	72.6	17.49
	12.0	10.6	101.3	23.18	96.8	22.26	90.7	20.79	87.6	20.07	84.7	19.34	78.6	17.91	72.6	16.50
	15.0	13.5	102.7	22.38	96.8	20.98	90.7	19.60	87.6	18.91	84.7	18.24	78.6	16.90	72.6	15.58

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ*234LALH

● Capacity : 82.5 kW (26HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
82.5 (100%)	-19.3	**-20.0**	42.9	15.51	42.8	16.07	42.6	16.62	42.6	16.90	42.5	17.17	42.3	17.73	42.2	18.28
	-15.0	**-16.0**	49.8	16.60	49.6	17.16	49.4	17.72	49.3	18.01	49.2	18.28	49.0	18.84	48.8	19.41
	-12.0	**-13.0**	55.1	17.43	54.9	17.99	54.7	18.56	54.6	18.84	54.4	19.13	54.2	19.69	54.0	20.27
	-9.0	**-10.0**	60.6	18.26	60.4	18.83	60.1	19.40	59.9	19.69	59.7	19.98	59.5	20.56	59.1	21.12
	-7.0	**-8.0**	64.3	18.81	64.1	19.39	63.7	19.97	63.6	20.26	63.4	20.55	63.0	21.12	62.8	21.71
	-5.0	**-6.0**	68.2	19.37	67.8	19.96	67.4	20.54	67.2	20.83	67.0	21.12	66.7	21.71	65.0	21.66
	-3.0	**-4.0**	72.0	19.95	71.6	20.53	71.2	21.12	70.9	21.41	70.7	21.70	70.3	22.30	65.1	20.63
	-1.0	**-2.0**	75.9	20.51	75.4	21.11	74.9	21.70	74.7	21.99	74.5	22.29	70.7	21.37	65.3	19.68
	0.0	**-1.0**	77.7	20.80	77.3	21.40	76.8	21.99	76.6	22.28	76.3	22.55	70.8	20.87	65.4	19.22
	2.0	**1.0**	81.7	21.38	81.2	21.98	80.6	22.57	79.2	22.35	76.4	21.54	71.0	19.94	65.5	18.38
	5.0	**4.0**	87.8	22.25	87.2	22.86	82.5	21.65	79.7	20.90	77.0	20.15	71.4	18.67	66.0	17.20
	7.0	**6.0**	91.5	22.85	88.0	22.18	82.5	20.73	79.7	20.01	77.0	19.30	71.4	17.88	66.0	16.48
	9.0	**7.8**	93.5	22.76	88.0	21.34	82.5	19.95	79.7	19.26	77.0	18.57	71.4	17.21	66.0	15.88
	12.0	**10.6**	93.4	21.46	88.0	20.13	82.5	18.82	79.7	18.17	77.0	17.52	71.4	16.25	66.0	14.99
	15.0	**13.5**	93.5	20.23	88.0	18.98	82.5	17.75	79.7	17.13	77.0	16.53	71.4	15.33	66.0	14.15
74.3 (90%)	-19.3	**-20.0**	42.8	16.01	42.6	16.56	42.5	17.11	42.4	17.39	42.4	17.66	42.2	18.22	42.1	18.76
	-15.0	**-16.0**	49.6	17.18	49.4	17.74	49.2	18.30	49.1	18.58	49.0	18.86	48.8	19.42	48.6	19.97
	-12.0	**-13.0**	54.9	18.07	54.6	18.64	54.4	19.20	54.3	19.49	54.2	19.76	53.9	20.32	53.6	20.90
	-9.0	**-10.0**	60.3	18.97	60.0	19.54	59.7	20.11	59.5	20.40	59.5	20.68	59.1	21.26	58.3	21.51
	-7.0	**-8.0**	63.9	19.57	63.6	20.15	63.3	20.72	63.2	21.01	63.0	21.30	62.6	21.88	58.3	20.43
	-5.0	**-6.0**	67.6	20.18	67.3	20.76	66.9	21.34	66.7	21.63	66.5	21.92	63.4	21.10	58.5	19.45
	-3.0	**-4.0**	71.4	20.80	70.9	21.38	70.5	21.97	70.3	22.26	68.4	21.69	63.5	20.10	58.6	18.53
	-1.0	**-2.0**	75.1	21.42	74.7	22.01	73.5	22.22	71.0	21.45	68.6	20.69	63.6	19.17	58.8	17.68
	0.0	**-1.0**	77.0	21.74	76.6	22.32	73.5	21.71	71.1	20.96	68.6	20.22	63.8	18.74	58.8	17.28
	2.0	**1.0**	80.8	22.36	78.6	22.19	73.7	20.74	71.3	20.03	68.8	19.31	63.8	17.91	59.0	16.52
	5.0	**4.0**	84.1	22.11	79.2	20.75	74.2	19.41	71.7	18.74	69.3	18.07	64.3	16.77	59.4	15.48
	7.0	**6.0**	84.1	21.16	79.1	19.86	74.2	18.58	71.7	17.94	69.3	17.32	64.3	16.07	59.4	14.84
	9.0	**7.8**	84.1	20.37	79.2	19.12	74.2	17.89	71.7	17.28	69.3	16.67	64.3	15.48	59.4	14.30
	12.0	**10.6**	84.1	19.21	79.1	18.04	74.2	16.88	71.7	16.31	69.3	15.74	64.3	14.62	59.4	13.50
	15.0	**13.5**	84.1	18.11	79.2	17.01	74.2	15.93	71.7	15.40	69.3	14.86	64.3	13.80	59.4	12.76
66.0 (80%)	-19.3	**-20.0**	42.6	16.63	42.5	17.17	42.3	17.72	42.3	18.00	42.2	18.27	42.0	18.82	41.9	19.36
	-15.0	**-16.0**	49.4	17.90	49.2	18.45	49.0	19.01	48.9	19.29	48.8	19.56	48.6	20.12	48.3	20.68
	-12.0	**-13.0**	54.6	18.87	54.3	19.43	54.0	19.99	54.0	20.27	53.8	20.55	53.6	21.11	51.5	20.67
	-9.0	**-10.0**	59.9	19.85	59.5	20.41	59.3	20.99	59.1	21.26	58.9	21.55	56.1	20.69	51.7	19.08
	-7.0	**-8.0**	63.4	20.51	63.1	21.08	62.8	21.66	62.6	21.93	60.5	21.21	56.1	19.67	51.9	18.15
	-5.0	**-6.0**	67.0	21.18	66.7	21.75	65.0	21.66	62.8	20.92	60.7	20.18	56.3	18.72	52.0	17.27
	-3.0	**-4.0**	70.7	21.86	69.5	22.05	65.1	20.63	62.9	19.92	60.8	19.23	56.5	17.83	52.1	16.47
	-1.0	**-2.0**	74.0	22.40	69.7	21.03	65.3	19.68	63.1	19.01	60.9	18.34	56.6	17.03	52.2	15.72
	0.0	**-1.0**	74.1	21.88	69.7	20.55	65.4	19.22	63.2	18.57	61.0	17.93	56.6	16.64	52.3	15.38
	2.0	**1.0**	74.4	20.90	69.9	19.63	65.5	18.38	63.3	17.75	61.2	17.14	56.8	15.92	52.5	14.70
	5.0	**4.0**	74.8	19.55	70.4	18.37	66.0	17.20	63.8	16.62	61.6	16.05	57.2	14.90	52.8	13.78
	7.0	**6.0**	74.8	18.72	70.4	17.60	66.0	16.48	63.8	15.93	61.6	15.39	57.2	14.30	52.8	13.22
	9.0	**7.8**	74.8	18.03	70.4	16.94	66.0	15.88	63.8	15.35	61.6	14.82	57.2	13.77	52.8	12.74
	12.0	**10.6**	74.8	17.01	70.4	16.00	65.9	14.99	63.8	14.50	61.6	14.00	57.2	13.02	52.8	12.05
	15.0	**13.5**	74.8	16.05	70.4	15.09	65.9	14.15	63.8	13.68	61.6	13.22	57.2	12.30	52.8	11.40
57.8 (70%)	-19.3	**-20.0**	42.4	17.40	42.3	17.95	42.1	18.49	42.1	18.77	42.0	19.04	41.9	19.59	41.7	20.13
	-15.0	**-16.0**	49.0	18.80	48.8	19.36	48.6	19.91	48.5	20.19	48.4	20.46	48.3	21.02	44.9	19.65
	-12.0	**-13.0**	54.1	19.88	53.8	20.43	53.6	20.99	53.5	21.27	52.6	21.10	48.9	19.58	45.1	18.07
	-9.0	**-10.0**	59.3	20.97	58.9	21.53	56.6	20.90	54.7	20.19	52.8	19.49	49.0	18.10	45.3	16.71
	-7.0	**-8.0**	62.8	21.69	60.5	21.21	56.7	19.85	54.8	19.18	53.0	18.53	49.1	17.20	45.3	15.90
	-5.0	**-6.0**	64.5	21.47	60.7	20.18	56.8	18.90	55.0	18.27	53.0	17.63	49.3	16.38	45.5	15.14
	-3.0	**-4.0**	64.6	20.46	60.8	19.23	57.0	18.01	55.0	17.41	53.2	16.81	49.3	15.62	45.6	14.44
	-1.0	**-2.0**	64.7	19.51	60.9	18.34	57.2	17.19	55.2	16.61	53.3	16.05	49.5	14.91	45.7	13.80
	0.0	**-1.0**	64.9	19.06	61.0	17.93	57.2	16.80	55.3	16.25	53.4	15.69	49.5	14.58	45.7	13.49
	2.0	**1.0**	64.9	18.22	61.2	17.14	57.3	16.06	55.4	15.54	53.5	15.00	49.7	13.95	45.9	12.91
	5.0	**4.0**	65.4	17.06	61.6	16.05	57.7	15.05	55.7	14.56	53.9	14.07	50.0	13.09	46.2	12.11
	7.0	**6.0**	65.4	16.35	61.6	15.39	57.7	14.43	55.7	13.96	53.9	13.49	50.0	12.55	46.2	11.63
	9.0	**7.8**	65.4	15.75	61.6	14.82	57.7	13.90	55.7	13.45	53.9	13.00	50.0	12.11	46.2	11.22
	12.0	**10.6**	65.4	14.87	61.6	14.00	57.7	13.14	55.7	12.72	53.9	12.29	50.0	11.45	46.2	10.62
	15.0	**13.5**	65.4	14.04	61.6	13.22	57.7	12.41	55.7	12.02	53.9	11.62	50.0	10.82	46.2	10.04
49.5 (60%)	-19.3	**-20.0**	42.2	18.43	42.0	18.97	41.9	19.52	41.8	19.79	41.7	20.06	41.4	20.52	38.3	18.99
	-15.0	**-16.0**	48.6	20.00	48.4	20.55	48.1	21.03	46.5	20.35	44.9	19.65	41.8	18.26	38.5	16.87
	-12.0	**-13.0**	53.6	21.20	51.5	20.67	48.4	19.36	46.7	18.72	45.1	18.07	41.8	16.80	38.7	15.54
	-9.0	**-10.0**	55.0	20.29	51.7	19.09	48.5	17.90	46.9	17.30	45.3	16.71	42.0	15.54	38.8	14.38
	-7.0	**-8.0**	55.1	19.29	51.9	18.15	48.6	17.01	46.9	16.45	45.3	15.90	42.1	14.78	38.9	13.68
	-5.0	**-6.0**	55.2	18.36	52.0	17.27	48.7	16.20	47.1	15.66	45.5	15.14	42.2	14.08	39.0	13.05
	-3.0	**-4.0**	55.4	17.49	52.1	16.47	48.8	15.45	47.1	14.95	45.6	14.44	42.3	13.44	39.0	12.45
	-1.0	**-2.0**	55.5	16.70	52.2	15.72	48.9	14.75	47.3	14.28	45.7	13.80	42.4	12.85	39.2	11.90
	0.0	**-1.0**	55.5	16.32	52.3	15.37	49.0	14.42	47.3	13.96	45.7	13.49	42.5	12.57	39.2	11.65
	2.0	**1.0**	55.7	15.61	52.5	14.70	49.2	13.80	47.5	13.35	45.9	12.91	42.6	12.03	39.2	11.16
	5.0	**4.0**	56.1	14.63	52.8	13.78	49.5	12.95	47.8	12.53	46.2	12.11	42.9	11.30	39.6	10.48
	7.0	**6.0**	56.1	14.03	52.8	13.22	49.5	12.42	47.8	12.02	46.2	11.63	42.9	10.84	39.6	10.07
	9.0	**7.8**	56.1	13.52	52.8	12.74	49.5	11.98	47.8	11.60	46.2	11.22	42.9	10.46	39.6	9.72
	12.0	**10.6**	56.1	12.78	52.8	12.05	49.5	11.33	47.8	10.97	46.2	10.62	42.9	9.91	39.6	9.21
	15.0	**13.5**	56.1	12.07	52.7	11.40	49.5	10.71	47.8	10.38	46.2	10.04	42.9	9.38	39.6	8.72
41.3 (50%)	-19.3	**-20.0**	41.8	19.85	41.6	20.39	39.9	19.77	38.5	19.12	37.2	18.47	34.6	17.17	31.9	15.89
	-15.0	**-16.0**	45.5	19.88	42.7	18.72	40.1	17.56	38.7	16.99	37.4	16.41	34.8	15.28	32.1	14.14
	-12.0	**-13.0**	45.6	18.29	42.9	17.23	40.3	16.17	38.9	15.64	37.6	15.12	34.8	14.08	32.2	13.04
	-9.0	**-10.0**	45.8	16.90	43.1	15.92	40.4	14.96	39.0	14.47	37.7	14.00	35.0	13.04	32.3	12.09
	-7.0	**-8.0**	45.9	16.08	43.2	15.15	40.5	14.23	39.1	13.78	37.8	13.32	35.0	12.42	32.4	11.51
	-5.0	**-6.0**	46.0	15.32	43.3	14.43	40.5	13.56	39.2	13.13	37.9	12.70	35.2	11.84	32.4	10.98
	-3.0	**-4.0**	46.2	14.61	43.4	13.77	40.7	12.95	39.3	12.54	37.9	12.12	35.2	11.31	32.5	10.51
	-1.0	**-2.0**	46.2	13.95	43.5	13.17	40.7	12.37	39.4	11.99	38.1	11.59	35.4	10.82	32.6	10.05
	0.0	**-1.0**	46.2	13.64	43.6	12.88	40.8	12.10	39.4	11.72	38.1	11.34	35.4	10.58	32.6	9.84
	2.0	**1.0**	46.4	13.06	43.7	12.32	40.9	11.59	39.6	11.23	38.2	10.87	35.4	10.14	32.8	9.43
	5.0	**4.0**	46.7	12.26	44.0	11.57	41.2	10.88	39.8	10.55	38.5	10.21	35.7	9.54	33.0	8.87
	7.0	**6.0**	46.7	11.76	44.0	11.10	41.2	10.45	39.8	10.13	38.5	9.81	35.7	9.16	33.0	8.53
	9.0	**7.8**	46.7	11.35	44.0	10.71	41.2	10.09	39.8	9.78	38.5	9.47	35.7	8.85	33.0	8.24
	12.0	**10.6**	46.7	10.73	44.0	10.15	41.2	9.56	39.8	9.27	38.5	8.98	35.7	8.40	33.0	7.82
	15.0	**13.5**	46.7	10.15	44.0	9.61	41.2	9.05	39.8	8.78	38.5	8.51	35.7	7.96	33.0	7.42

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ✳252LALH

● Capacity : 87.5 kW (28HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
131.3 (150%)	-19.3	-20.0	45.8	14.78	45.8	15.37	45.6	15.96	45.5	16.25	45.4	16.54	45.3	17.13	45.1	17.72
	-15.0	-16.0	53.4	15.65	53.2	16.25	53.0	16.85	53.0	17.15	52.8	17.45	52.6	18.05	52.4	18.65
	-12.0	-13.0	59.3	16.30	59.1	16.91	58.9	17.51	58.7	17.82	58.6	18.12	58.4	18.73	58.1	19.34
	-9.0	-10.0	65.5	16.94	65.2	17.56	64.9	18.17	64.7	18.48	64.6	18.80	64.2	19.42	64.0	20.03
	-7.0	-8.0	69.7	17.38	69.3	18.00	69.0	18.62	68.8	18.93	68.6	19.24	68.2	19.87	67.9	20.49
	-5.0	-6.0	74.0	17.80	73.5	18.43	73.2	19.06	73.0	19.37	72.8	19.69	72.4	20.32	72.0	20.96
	-3.0	-4.0	78.3	18.23	77.9	18.87	77.5	19.51	77.2	19.82	77.0	20.14	76.6	20.77	76.1	21.41
	-1.0	-2.0	82.8	18.66	82.2	19.30	81.7	19.94	81.5	20.27	81.2	20.59	80.8	21.24	80.3	21.88
	0.0	-1.0	84.9	18.88	84.4	19.53	84.0	20.17	83.7	20.49	83.4	20.82	82.9	21.46	82.4	22.11
	2.0	1.0	89.4	19.32	88.9	19.96	88.4	20.62	88.0	20.94	87.8	21.27	87.2	21.92	86.6	22.57
	5.0	4.0	96.5	19.96	95.9	20.62	95.2	21.29	94.9	21.62	94.7	21.95	94.0	22.61	93.3	23.28
	7.0	6.0	100.9	20.40	100.3	21.07	99.6	21.74	99.2	22.07	98.9	22.40	98.2	23.08	97.5	23.75
	9.0	7.8	104.9	20.80	104.2	21.47	103.4	22.14	103.1	22.49	102.7	22.82	101.9	23.50	101.2	24.18
	12.0	10.6	111.2	21.42	110.3	22.10	109.5	22.79	109.1	23.13	108.7	23.47	107.8	24.15	105.0	24.09
	15.0	13.5	117.6	22.06	116.8	22.76	115.8	23.46	115.4	23.81	114.9	24.15	113.6	24.73	105.0	22.68
122.5 (140%)	-19.3	-20.0	45.8	15.00	45.6	15.59	45.6	16.18	45.4	16.47	45.4	16.77	45.2	17.36	45.1	17.94
	-15.0	-16.0	53.3	15.92	53.1	16.51	53.0	17.11	52.8	17.41	52.8	17.72	52.6	18.31	52.3	18.91
	-12.0	-13.0	59.3	16.60	59.0	17.20	58.7	17.81	58.6	18.12	58.4	18.42	58.2	19.03	58.0	19.64
	-9.0	-10.0	65.3	17.28	65.1	17.89	64.7	18.51	64.5	18.81	64.4	19.12	64.1	19.75	63.8	20.36
	-7.0	-8.0	69.5	17.73	69.1	18.35	68.8	18.97	68.6	19.28	68.4	19.59	68.1	20.22	67.7	20.84
	-5.0	-6.0	73.7	18.19	73.3	18.81	72.9	19.44	72.8	19.75	72.6	20.07	72.2	20.70	71.7	21.33
	-3.0	-4.0	78.0	18.64	77.5	19.28	77.2	19.91	77.0	20.23	76.8	20.54	76.3	21.18	75.9	21.81
	-1.0	-2.0	82.4	19.10	81.9	19.74	81.4	20.38	81.2	20.70	81.0	21.02	80.5	21.66	79.9	22.31
	0.0	-1.0	84.6	19.33	84.0	19.97	83.6	20.62	83.3	20.93	83.1	21.26	82.6	21.90	82.0	22.55
	2.0	1.0	89.1	19.79	88.5	20.44	87.9	21.09	87.7	21.41	87.3	21.74	86.8	22.38	86.2	23.04
	5.0	4.0	96.0	20.48	95.4	21.14	94.7	21.80	94.5	22.13	94.1	22.46	93.5	23.12	92.8	23.78
	7.0	6.0	100.3	20.95	99.6	21.61	99.0	22.28	98.7	22.61	98.3	22.94	97.6	23.61	96.9	24.28
	9.0	7.8	104.3	21.37	103.6	22.04	102.8	22.71	102.4	23.05	102.0	23.39	101.3	24.06	98.0	23.73
	12.0	10.6	110.4	22.04	109.6	22.72	108.7	23.39	108.4	23.74	108.0	24.08	106.1	24.37	98.0	22.37
	15.0	13.5	116.8	22.73	115.9	23.41	115.0	24.10	114.5	24.45	114.1	24.80	106.1	22.95	98.0	21.07
113.8 (130%)	-19.3	-20.0	45.8	15.27	45.6	15.85	45.4	16.44	45.4	16.73	45.3	17.03	45.2	17.62	45.0	18.20
	-15.0	-16.0	53.2	16.23	53.0	16.82	52.8	17.42	52.8	17.72	52.6	18.02	52.4	18.62	52.2	19.22
	-12.0	-13.0	59.1	16.94	58.8	17.55	58.6	18.15	58.4	18.46	58.4	18.76	58.1	19.37	57.8	19.97
	-9.0	-10.0	65.1	17.67	64.9	18.28	64.5	18.90	64.4	19.20	64.2	19.51	63.9	20.12	63.6	20.73
	-7.0	-8.0	69.3	18.14	68.9	18.76	68.6	19.38	68.4	19.70	68.2	20.01	67.9	20.63	67.5	21.25
	-5.0	-6.0	73.5	18.63	73.1	19.25	72.6	19.88	72.4	20.20	72.3	20.51	71.9	21.13	71.5	21.76
	-3.0	-4.0	77.7	19.11	77.3	19.75	76.8	20.37	76.6	20.69	76.4	21.01	75.9	21.64	75.5	22.27
	-1.0	-2.0	82.0	19.60	81.5	20.24	81.0	20.87	80.8	21.19	80.6	21.51	80.1	22.15	79.6	22.79
	0.0	-1.0	84.2	19.84	83.7	20.48	83.1	21.12	82.9	21.45	82.7	21.76	82.2	22.41	81.7	23.05
	2.0	1.0	88.6	20.34	88.0	20.98	87.5	21.62	87.2	21.95	86.9	22.28	86.3	22.92	85.7	23.57
	5.0	4.0	95.4	21.07	94.8	21.73	94.2	22.38	93.8	22.71	93.6	23.04	92.9	23.70	91.0	23.82
	7.0	6.0	99.8	21.57	99.1	22.23	98.4	22.90	98.0	23.23	97.6	23.56	96.9	24.22	91.0	22.80
	9.0	7.8	103.6	22.02	102.8	22.70	102.1	23.36	101.7	23.70	101.3	24.03	98.5	23.89	91.0	21.94
	12.0	10.6	109.6	22.74	108.7	23.41	108.0	24.09	107.5	24.43	106.1	24.37	98.5	22.51	91.0	20.68
	15.0	13.5	115.7	23.48	114.9	24.17	113.7	24.73	109.9	23.84	106.1	22.95	98.5	21.21	91.0	19.50
105.0 (120%)	-19.3	-20.0	45.6	15.57	45.6	16.16	45.4	16.75	45.3	17.04	45.2	17.33	45.1	17.92	44.9	18.51
	-15.0	-16.0	53.1	16.58	52.9	17.18	52.8	17.77	52.6	18.08	52.5	18.38	52.3	18.97	52.1	19.57
	-12.0	-13.0	58.9	17.34	58.7	17.95	58.4	18.55	58.3	18.86	58.2	19.16	57.9	19.76	57.7	20.37
	-9.0	-10.0	64.9	18.11	64.6	18.72	64.3	19.33	64.2	19.64	64.0	19.95	63.7	20.56	63.3	21.18
	-7.0	-8.0	69.0	18.62	68.6	19.24	68.2	19.85	68.2	20.16	68.0	20.48	67.6	21.10	67.3	21.72
	-5.0	-6.0	73.1	19.14	72.8	19.76	72.4	20.39	72.2	20.70	71.9	21.01	71.5	21.63	71.2	22.26
	-3.0	-4.0	77.3	19.66	76.9	20.28	76.5	20.91	76.3	21.22	76.1	21.55	75.6	22.17	75.2	22.81
	-1.0	-2.0	81.6	20.18	81.1	20.81	80.6	21.45	80.3	21.76	80.1	22.08	79.6	22.71	79.1	23.35
	0.0	-1.0	83.7	20.44	83.3	21.07	82.7	21.71	82.4	22.03	82.2	22.35	81.7	22.99	81.2	23.63
	2.0	1.0	88.0	20.96	87.5	21.60	86.9	22.25	86.6	22.57	86.4	22.90	85.7	23.54	83.5	23.42
	5.0	4.0	94.8	21.76	94.2	22.41	93.5	23.06	93.2	23.39	92.9	23.72	91.0	23.82	84.0	21.90
	7.0	6.0	98.9	22.30	98.3	22.95	97.6	23.61	97.3	23.94	96.9	24.27	91.0	22.80	84.0	20.96
	9.0	7.8	102.7	22.78	102.0	23.44	101.3	24.10	100.9	24.44	98.0	23.73	91.0	21.94	84.0	20.18
	12.0	10.6	108.6	23.55	107.8	24.22	105.0	24.09	101.4	23.22	98.0	22.37	91.0	20.68	84.0	19.03
	15.0	13.5	114.7	24.34	112.0	24.31	105.0	22.68	101.4	21.87	98.0	21.07	91.0	19.50	84.0	17.94
96.3 (110%)	-19.3	-20.0	45.6	15.93	45.4	16.52	45.3	17.10	45.2	17.39	45.1	17.68	45.0	18.27	44.9	18.86
	-15.0	-16.0	53.0	17.01	52.8	17.60	52.6	18.20	52.4	18.50	52.4	18.79	52.1	19.38	51.9	19.98
	-12.0	-13.0	58.7	17.82	58.4	18.42	58.2	19.02	58.1	19.33	58.0	19.62	57.7	20.23	57.5	20.83
	-9.0	-10.0	64.7	18.64	64.4	19.24	64.0	19.85	63.8	20.16	63.7	20.47	63.4	21.08	63.1	21.69
	-7.0	-8.0	68.7	19.18	68.4	19.80	68.0	20.42	67.8	20.72	67.6	21.03	67.3	21.65	66.9	22.27
	-5.0	-6.0	72.8	19.73	72.4	20.35	72.0	20.98	71.7	21.29	71.5	21.60	71.2	22.22	70.8	22.84
	-3.0	-4.0	76.9	20.29	76.5	20.91	76.1	21.55	75.8	21.86	75.6	22.17	75.2	22.79	74.7	23.42
	-1.0	-2.0	81.0	20.85	80.6	21.48	80.1	22.12	79.9	22.43	79.6	22.74	79.1	23.38	76.1	22.92
	0.0	-1.0	83.1	21.13	82.7	21.76	82.2	22.40	81.9	22.71	81.7	23.04	81.1	23.67	76.3	22.39
	2.0	1.0	87.4	21.69	86.8	22.33	86.3	22.97	86.0	23.30	85.7	23.61	82.8	23.25	76.5	21.39
	5.0	4.0	94.0	22.56	93.4	23.20	92.7	23.85	92.4	24.17	89.8	23.50	83.3	21.74	77.0	20.01
	7.0	6.0	98.1	23.13	97.4	23.79	96.2	24.20	92.9	23.35	89.8	22.49	83.3	20.81	77.0	19.16
	9.0	7.8	101.7	23.65	101.0	24.31	96.2	23.28	92.9	22.45	89.8	21.64	83.3	20.03	77.0	18.45
	12.0	10.6	107.5	24.48	102.6	23.50	96.2	21.94	92.9	21.18	89.8	20.40	83.3	18.89	77.0	17.40
	15.0	13.5	109.0	23.63	102.6	22.15	96.2	20.68	92.9	19.95	89.8	19.24	83.3	17.82	77.0	16.42

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ✳252LALH

● Capacity : 87.5 kW (28HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
87.5 (100%)	-19.3	**-20.0**	45.5	16.36	45.3	16.94	45.2	17.53	45.1	17.82	45.1	18.11	44.9	18.70	44.7	19.28
	-15.0	**-16.0**	52.8	17.51	52.6	18.10	52.4	18.70	52.3	19.00	52.2	19.29	52.0	19.88	51.7	20.48
	-12.0	**-13.0**	58.5	18.38	58.2	18.98	58.0	19.58	57.9	19.88	57.7	20.18	57.5	20.78	57.2	21.39
	-9.0	**-10.0**	64.3	19.26	64.0	19.87	63.7	20.47	63.6	20.78	63.4	21.08	63.1	21.70	62.7	22.30
	-7.0	**-8.0**	68.3	19.85	68.0	20.46	67.6	21.08	67.5	21.39	67.3	21.69	66.9	22.30	66.6	22.91
	-5.0	**-6.0**	72.3	20.44	71.9	21.06	71.5	21.68	71.3	21.99	71.1	22.29	70.8	22.91	68.9	22.86
	-3.0	**-4.0**	76.4	21.05	75.9	21.67	75.5	22.29	75.2	22.60	75.0	22.91	74.6	23.54	69.1	21.78
	-1.0	**-2.0**	80.5	21.65	80.0	22.28	79.4	22.90	79.2	23.21	79.0	23.54	75.0	22.56	69.3	20.77
	0.0	**-1.0**	82.5	21.95	82.0	22.59	81.5	23.21	81.2	23.52	80.9	23.81	75.1	22.03	69.3	20.29
	2.0	**1.0**	86.6	22.57	86.1	23.20	85.5	23.83	84.0	23.59	81.0	22.74	75.3	21.05	69.5	19.39
	5.0	**4.0**	93.1	23.49	92.4	24.13	87.5	22.85	84.5	22.06	81.6	21.26	75.7	19.70	70.0	18.14
	7.0	**6.0**	97.2	24.12	93.3	23.42	87.5	21.88	84.5	21.12	81.6	20.36	75.7	18.86	70.0	17.38
	9.0	**7.8**	99.1	24.03	93.3	22.53	87.5	21.05	84.5	20.32	81.6	19.59	75.7	18.15	70.0	16.74
	12.0	**10.6**	99.0	22.65	93.3	21.25	87.5	19.85	84.5	19.17	81.6	18.48	75.7	17.13	70.0	15.80
	15.0	**13.5**	99.1	21.34	93.3	20.02	87.5	18.72	84.5	18.07	81.6	17.43	75.7	16.16	70.0	14.91
78.8 (90%)	-19.3	**-20.0**	45.4	16.88	45.2	17.46	45.1	18.04	45.0	18.34	44.9	18.63	44.7	19.22	44.7	19.79
	-15.0	**-16.0**	52.6	18.12	52.4	18.71	52.2	19.31	52.1	19.60	52.0	19.90	51.7	20.49	51.5	21.07
	-12.0	**-13.0**	58.2	19.07	58.0	19.66	57.7	20.26	57.5	20.56	57.5	20.85	57.1	21.45	56.9	22.06
	-9.0	**-10.0**	64.0	20.02	63.6	20.62	63.3	21.22	63.1	21.53	63.1	21.82	62.7	22.43	61.8	22.71
	-7.0	**-8.0**	67.8	20.66	67.5	21.27	67.1	21.87	67.0	22.18	66.8	22.48	66.4	23.09	61.9	21.57
	-5.0	**-6.0**	71.7	21.30	71.4	21.91	71.0	22.53	70.8	22.84	70.6	23.14	67.2	22.27	62.1	20.52
	-3.0	**-4.0**	75.7	21.96	75.3	22.57	74.8	23.19	74.6	23.50	72.6	22.90	67.4	21.22	62.1	19.55
	-1.0	**-2.0**	79.7	22.61	79.2	23.23	77.9	23.47	75.3	22.65	72.8	21.84	67.5	20.23	62.3	18.65
	0.0	**-1.0**	81.7	22.95	81.2	23.57	78.0	22.92	75.4	22.13	72.8	21.34	67.6	19.78	62.4	18.23
	2.0	**1.0**	85.7	23.61	83.4	23.42	78.2	21.89	75.6	21.14	73.0	20.38	67.7	18.89	62.5	17.42
	5.0	**4.0**	89.2	23.34	84.0	21.90	78.7	20.48	76.1	19.77	73.5	19.07	68.2	17.69	63.0	16.32
	7.0	**6.0**	89.2	22.34	83.9	20.96	78.7	19.61	76.1	18.93	73.5	18.26	68.2	16.94	63.0	15.64
	9.0	**7.8**	89.2	21.50	84.0	20.18	78.7	18.87	76.1	18.22	73.5	17.58	68.2	16.32	63.0	15.07
	12.0	**10.6**	89.2	20.27	83.9	19.03	78.7	17.80	76.1	17.20	73.5	16.60	68.2	15.41	63.0	14.23
	15.0	**13.5**	89.2	19.10	84.0	17.94	78.7	16.80	76.1	16.23	73.5	15.66	68.2	14.54	63.0	13.44
70.0 (80%)	-19.3	**-20.0**	45.2	17.53	45.1	18.11	44.9	18.69	44.9	18.98	44.7	19.27	44.5	19.86	44.5	20.43
	-15.0	**-16.0**	52.3	18.88	52.1	19.46	51.9	20.05	51.9	20.35	51.7	20.64	51.5	21.23	51.3	21.82
	-12.0	**-13.0**	57.9	19.90	57.6	20.50	57.3	21.09	57.2	21.39	57.1	21.69	56.8	22.28	54.6	21.82
	-9.0	**-10.0**	63.5	20.95	63.1	21.54	62.9	22.15	62.7	22.44	62.5	22.75	59.5	21.84	54.9	20.14
	-7.0	**-8.0**	67.3	21.65	66.9	22.25	66.6	22.86	66.4	23.15	64.2	22.39	59.6	20.76	55.0	19.15
	-5.0	**-6.0**	71.1	22.36	70.7	22.96	68.9	22.86	66.6	22.08	64.4	21.30	59.7	19.75	55.1	18.22
	-3.0	**-4.0**	75.0	23.07	73.7	23.28	69.1	21.78	66.8	21.03	64.5	20.29	59.9	18.82	55.3	17.37
	-1.0	**-2.0**	78.5	23.65	73.9	22.20	69.3	20.77	67.0	20.06	64.6	19.36	60.0	17.96	55.4	16.57
	0.0	**-1.0**	78.6	23.10	74.0	21.69	69.3	20.29	67.0	19.60	64.7	18.91	60.0	17.55	55.5	16.21
	2.0	**1.0**	78.9	22.06	74.2	20.71	69.5	19.39	67.2	18.73	64.9	18.08	60.2	16.78	55.7	15.49
	5.0	**4.0**	79.3	20.63	74.6	19.38	70.0	18.14	67.6	17.53	65.3	16.93	60.6	15.71	56.0	14.52
	7.0	**6.0**	79.3	19.75	74.6	18.57	70.0	17.38	67.6	16.80	65.3	16.22	60.6	15.06	56.0	13.93
	9.0	**7.8**	79.3	19.02	74.6	17.87	70.0	16.74	67.6	16.18	65.3	15.62	60.6	14.51	56.0	13.42
	12.0	**10.6**	79.3	17.94	74.6	16.87	69.9	15.80	67.6	15.28	65.3	14.75	60.6	13.72	56.0	12.68
	15.0	**13.5**	79.3	16.92	74.6	15.91	69.9	14.91	67.6	14.42	65.3	13.92	60.6	12.95	56.0	11.99
61.3 (70%)	-19.3	**-20.0**	45.0	18.35	44.9	18.94	44.7	19.51	44.7	19.80	44.5	20.08	44.4	20.67	44.2	21.24
	-15.0	**-16.0**	52.0	19.84	51.7	20.43	51.5	21.01	51.5	21.31	51.3	21.59	51.2	22.18	47.6	20.75
	-12.0	**-13.0**	57.3	20.97	57.1	21.56	56.8	22.16	56.8	22.45	55.8	22.28	51.8	20.67	47.8	19.07
	-9.0	**-10.0**	62.9	22.13	62.5	22.72	60.0	22.07	58.1	21.32	56.0	20.57	52.0	19.09	48.0	17.63
	-7.0	**-8.0**	66.6	22.90	64.2	22.39	60.2	20.95	58.1	20.24	56.2	19.55	52.1	18.14	48.1	16.76
	-5.0	**-6.0**	68.4	22.67	64.4	21.30	60.3	19.94	58.3	19.27	56.3	18.60	52.3	17.27	48.3	15.96
	-3.0	**-4.0**	68.6	21.59	64.5	20.29	60.4	19.00	58.4	18.36	56.4	17.73	52.3	16.47	48.3	15.22
	-1.0	**-2.0**	68.7	20.59	64.6	19.36	60.6	18.13	58.6	17.52	56.5	16.92	52.5	15.72	48.5	14.54
	0.0	**-1.0**	68.8	20.12	64.7	18.91	60.7	17.72	58.6	17.13	56.7	16.54	52.5	15.37	48.5	14.21
	2.0	**1.0**	68.9	19.22	64.9	18.08	60.7	16.93	58.8	16.38	56.7	15.82	52.7	14.70	48.7	13.60
	5.0	**4.0**	69.3	17.99	65.3	16.93	61.2	15.87	59.1	15.34	57.1	14.82	53.0	13.78	49.0	12.75
	7.0	**6.0**	69.3	17.24	65.3	16.22	61.2	15.21	59.1	14.71	57.1	14.21	53.0	13.22	49.0	12.25
	9.0	**7.8**	69.3	16.60	65.3	15.62	61.2	14.65	59.1	14.17	57.1	13.69	53.0	12.75	49.0	11.80
	12.0	**10.6**	69.3	15.67	65.3	14.75	61.2	13.84	59.1	13.39	57.1	12.94	53.0	12.05	49.0	11.17
	15.0	**13.5**	69.3	14.79	65.3	13.92	61.2	13.07	59.1	12.66	57.1	12.23	53.0	11.39	49.0	10.56
52.5 (60%)	-19.3	**-20.0**	44.7	19.44	44.5	20.02	44.4	20.60	44.3	20.88	44.3	21.17	44.0	21.67	40.6	20.05
	-15.0	**-16.0**	51.5	21.10	51.3	21.69	51.0	22.21	49.3	21.48	47.6	20.75	44.3	19.27	40.8	17.80
	-12.0	**-13.0**	56.8	22.38	54.6	21.82	51.3	20.44	49.5	19.75	47.8	19.07	44.4	17.72	41.0	16.38
	-9.0	**-10.0**	58.3	21.42	54.9	20.14	51.4	18.88	49.7	18.25	48.0	17.63	44.6	16.39	41.1	15.16
	-7.0	**-8.0**	58.4	20.35	55.0	19.15	51.6	17.95	49.8	17.35	48.1	16.76	44.6	15.59	41.3	14.41
	-5.0	**-6.0**	58.6	19.37	55.1	18.22	51.6	17.08	49.9	16.52	48.3	15.96	44.8	14.84	41.3	13.74
	-3.0	**-4.0**	58.8	18.45	55.3	17.37	51.8	16.29	50.0	15.76	48.3	15.22	44.9	14.16	41.4	13.12
	-1.0	**-2.0**	58.8	17.61	55.4	16.57	51.9	15.55	50.2	15.05	48.5	14.54	45.0	13.54	41.5	12.53
	0.0	**-1.0**	58.9	17.21	55.5	16.21	52.0	15.20	50.2	14.71	48.5	14.21	45.0	13.24	41.6	12.26
	2.0	**1.0**	59.1	16.46	55.7	15.49	52.2	14.54	50.4	14.07	48.7	13.60	45.2	12.67	41.6	11.74
	5.0	**4.0**	59.5	15.42	56.0	14.52	52.5	13.64	50.6	13.20	49.0	12.75	45.5	11.89	42.0	11.02
	7.0	**6.0**	59.5	14.78	56.0	13.93	52.5	13.08	50.7	12.66	49.0	12.25	45.5	11.41	42.0	10.59
	9.0	**7.8**	59.5	14.24	56.0	13.42	52.5	12.61	50.7	12.20	49.0	11.80	45.5	11.00	42.0	10.22
	12.0	**10.6**	59.5	13.46	56.0	12.68	52.5	11.92	50.7	11.55	49.0	11.17	45.5	10.42	42.0	9.68
	15.0	**13.5**	59.5	12.71	55.9	11.99	52.5	11.27	50.7	10.91	49.0	10.56	45.5	9.86	42.0	9.16
43.8 (50%)	-19.3	**-20.0**	44.3	20.95	44.1	21.52	42.3	20.87	40.9	20.19	39.5	19.49	36.7	18.12	33.9	16.76
	-15.0	**-16.0**	48.3	20.99	45.3	19.76	42.5	18.53	41.1	17.92	39.7	17.31	36.9	16.11	34.0	14.91
	-12.0	**-13.0**	48.4	19.30	45.5	18.17	42.7	17.06	41.3	16.50	39.9	15.95	36.9	14.84	34.1	13.74
	-9.0	**-10.0**	48.6	17.83	45.7	16.79	42.9	15.77	41.4	15.26	40.0	14.75	37.1	13.74	34.3	12.73
	-7.0	**-8.0**	48.7	16.96	45.8	15.97	42.9	15.00	41.5	14.52	40.1	14.03	37.2	13.08	34.3	12.12
	-5.0	**-6.0**	48.8	16.15	45.9	15.21	43.0	14.29	41.6	13.84	40.2	13.37	37.3	12.47	34.4	11.56
	-3.0	**-4.0**	49.0	15.40	46.0	14.51	43.2	13.64	41.7	13.20	40.2	12.76	37.4	11.91	34.5	11.05
	-1.0	**-2.0**	49.0	14.70	46.2	13.87	43.2	13.03	41.8	12.62	40.4	12.20	37.5	11.39	34.6	10.57
	0.0	**-1.0**	49.1	14.38	46.2	13.56	43.2	12.74	41.8	12.34	40.4	11.94	37.5	11.14	34.6	10.35
	2.0	**1.0**	49.2	13.76	46.4	12.98	43.4	12.20	42.0	11.82	40.5	11.44	37.6	10.67	34.8	9.91
	5.0	**4.0**	49.5	12.91	46.6	12.18	43.7	11.45	42.2	11.09	40.8	10.74	37.8	10.03	35.0	9.32
	7.0	**6.0**	49.5	12.38	46.6	11.68	43.7	11.00	42.2	10.65	40.8	10.31	37.8	9.63	35.0	8.96
	9.0	**7.8**	49.5	11.94	46.6	11.27	43.7	10.61	42.2	10.28	40.8	9.96	37.8	9.30	35.0	8.66
	12.0	**10.6**	49.5	11.29	46.6	10.67	43.7	10.05	42.2	9.74	40.8	9.43	37.8	8.82	35.0	8.21
	15.0	**13.5**	49.5	10.68	46.6	10.10	43.7	9.51	42.2	9.22	40.8	8.94	37.8	8.36	35.0	7.79

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ*270LALH

● Capacity : 95.0 kW (30HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
142.5 (150%)	-19.3	-20.0	49.8	16.25	49.7	16.90	49.6	17.54	49.4	17.87	49.4	18.19	49.2	18.84	49.1	19.49
	-15.0	-16.0	58.0	17.20	57.8	17.86	57.6	18.53	57.5	18.85	57.4	19.18	57.2	19.84	57.0	20.51
	-12.0	-13.0	64.4	17.92	64.2	18.59	64.0	19.25	63.8	19.59	63.7	19.92	63.4	20.59	63.1	21.27
	-9.0	-10.0	71.1	18.62	70.8	19.31	70.5	19.98	70.3	20.32	70.1	20.66	69.8	21.34	69.5	22.02
	-7.0	-8.0	75.6	19.10	75.3	19.78	74.9	20.47	74.7	20.81	74.5	21.16	74.1	21.84	73.8	22.53
	-5.0	-6.0	80.3	19.56	79.8	20.26	79.4	20.95	79.2	21.29	79.0	21.65	78.6	22.34	78.2	23.04
	-3.0	-4.0	85.0	20.04	84.5	20.74	84.1	21.44	83.8	21.79	83.6	22.14	83.2	22.84	82.7	23.54
	-1.0	-2.0	89.8	20.51	89.3	21.22	88.7	21.92	88.5	22.28	88.2	22.64	87.7	23.34	87.2	24.05
	0.0	-1.0	92.2	20.75	91.6	21.46	91.2	22.17	90.8	22.53	90.6	22.88	90.0	23.59	89.5	24.30
	2.0	1.0	97.1	21.23	96.5	21.94	95.9	22.66	95.6	23.02	95.3	23.38	94.7	24.09	94.1	24.81
	5.0	4.0	104.7	21.94	104.1	22.66	103.4	23.40	103.0	23.76	102.7	24.13	102.0	24.85	101.3	25.59
	7.0	6.0	109.5	22.42	108.8	23.15	108.1	23.89	107.7	24.26	107.3	24.62	106.6	25.36	105.8	26.10
	9.0	7.8	113.8	22.85	113.0	23.59	112.3	24.34	111.9	24.71	111.5	25.08	110.6	25.82	109.8	26.58
	12.0	10.6	120.6	23.53	119.7	24.28	118.8	25.04	118.4	25.42	118.0	25.80	117.0	26.55	114.0	26.48
	15.0	13.5	127.6	24.24	126.7	25.00	125.6	25.78	125.2	26.16	124.7	26.54	123.4	27.19	114.0	24.95
133.0 (140%)	-19.3	-20.0	49.8	16.50	49.6	17.14	49.5	17.79	49.4	18.11	49.4	18.44	49.2	19.09	49.0	19.73
	-15.0	-16.0	57.9	17.50	57.8	18.15	57.6	18.82	57.4	19.14	57.4	19.48	57.2	20.13	56.9	20.80
	-12.0	-13.0	64.4	18.25	64.1	18.91	63.8	19.58	63.7	19.92	63.5	20.25	63.3	20.93	63.1	21.59
	-9.0	-10.0	70.9	18.99	70.7	19.67	70.3	20.35	70.1	20.68	69.9	21.03	69.7	21.71	69.3	22.38
	-7.0	-8.0	75.4	19.49	75.1	20.17	74.7	20.86	74.5	21.20	74.3	21.54	73.9	22.23	73.6	22.91
	-5.0	-6.0	80.0	19.99	79.6	20.68	79.2	21.37	79.0	21.71	78.8	22.07	78.4	22.76	77.9	23.44
	-3.0	-4.0	84.7	20.49	84.2	21.19	83.8	21.88	83.6	22.24	83.4	22.58	82.8	23.29	82.4	23.98
	-1.0	-2.0	89.5	20.99	88.9	21.69	88.4	22.40	88.2	22.75	87.9	23.10	87.4	23.81	86.8	24.52
	0.0	-1.0	91.8	21.25	91.2	21.95	90.8	22.66	90.5	23.01	90.2	23.37	89.7	24.07	89.1	24.79
	2.0	1.0	96.7	21.75	96.1	22.47	95.4	23.18	95.2	23.54	94.8	23.90	94.2	24.61	93.7	25.33
	5.0	4.0	104.2	22.51	103.5	23.23	102.8	23.96	102.6	24.32	102.2	24.68	101.5	25.42	100.7	26.14
	7.0	6.0	108.9	23.02	108.1	23.75	107.5	24.49	107.1	24.85	106.7	25.22	106.0	25.95	105.2	26.69
	9.0	7.8	113.2	23.48	112.4	24.22	111.6	24.96	111.2	25.33	110.8	25.70	110.0	26.45	106.3	26.09
	12.0	10.6	119.8	24.22	118.9	24.96	118.0	25.71	117.6	26.09	117.2	26.46	115.2	26.79	106.3	24.60
	15.0	13.5	126.7	24.98	125.7	25.73	124.8	26.49	124.3	26.87	123.8	27.25	115.2	25.24	106.3	23.18
123.5 (130%)	-19.3	-20.0	49.8	16.79	49.6	17.43	49.4	18.08	49.4	18.40	49.3	18.72	49.2	19.37	49.0	20.02
	-15.0	-16.0	57.8	17.84	57.6	18.50	57.4	19.16	57.4	19.48	57.2	19.81	57.0	20.47	56.8	21.13
	-12.0	-13.0	64.2	18.63	63.9	19.29	63.7	19.96	63.5	20.30	63.4	20.63	63.1	21.29	62.9	21.96
	-9.0	-10.0	70.7	19.42	70.5	20.09	70.1	20.77	69.9	21.10	69.7	21.44	69.4	22.13	69.1	22.80
	-7.0	-8.0	75.2	19.94	74.9	20.63	74.5	21.31	74.3	21.65	74.1	21.99	73.7	22.68	73.3	23.36
	-5.0	-6.0	79.8	20.47	79.4	21.16	78.9	21.86	78.7	22.20	78.5	22.54	78.1	23.23	77.7	23.92
	-3.0	-4.0	84.4	21.01	83.9	21.71	83.4	22.40	83.2	22.74	83.0	23.10	82.5	23.79	82.1	24.49
	-1.0	-2.0	89.1	21.54	88.5	22.24	88.0	22.95	87.8	23.29	87.5	23.65	87.0	24.35	86.4	25.06
	0.0	-1.0	91.4	21.81	90.8	22.51	90.3	23.22	90.1	23.57	89.8	23.92	89.3	24.64	88.7	25.34
	2.0	1.0	96.1	22.35	95.6	23.06	95.0	23.77	94.6	24.13	94.4	24.49	93.7	25.19	93.1	25.91
	5.0	4.0	103.6	23.16	102.9	23.88	102.2	24.60	101.9	24.96	101.6	25.33	100.9	26.05	98.8	26.18
	7.0	6.0	108.3	23.71	107.5	24.43	106.8	25.17	106.4	25.53	106.0	25.90	105.3	26.62	98.8	25.06
	9.0	7.8	112.4	24.20	111.6	24.94	110.8	25.67	110.4	26.05	110.0	26.41	107.0	26.26	98.8	24.12
	12.0	10.6	118.9	24.98	118.0	25.73	117.2	26.47	116.7	26.85	115.2	26.79	107.0	24.75	98.8	22.74
	15.0	13.5	125.6	25.80	124.6	26.56	123.5	27.19	119.3	26.22	115.2	25.24	107.0	23.33	98.8	21.44
114.0 (120%)	-19.3	-20.0	49.6	17.12	49.6	17.77	49.4	18.42	49.2	18.74	49.2	19.06	49.0	19.71	48.9	20.35
	-15.0	-16.0	57.7	18.23	57.5	18.89	57.3	19.54	57.2	19.88	57.0	20.21	56.8	20.86	56.6	21.52
	-12.0	-13.0	64.0	19.07	63.8	19.73	63.5	20.40	63.3	20.74	63.3	21.06	62.9	21.73	62.7	22.40
	-9.0	-10.0	70.5	19.90	70.1	20.58	69.9	21.25	69.7	21.59	69.5	21.94	69.2	22.61	68.8	23.29
	-7.0	-8.0	74.9	20.47	74.5	21.15	74.1	21.83	74.1	22.17	73.9	22.51	73.5	23.19	73.1	23.88
	-5.0	-6.0	79.4	21.04	79.0	21.73	78.6	22.41	78.4	22.75	78.1	23.10	77.7	23.78	77.3	24.47
	-3.0	-4.0	84.0	21.61	83.6	22.30	83.0	22.99	82.8	23.33	82.6	23.69	82.1	24.38	81.7	25.07
	-1.0	-2.0	88.6	22.18	88.1	22.87	87.6	23.57	87.2	23.92	87.0	24.28	86.5	24.97	85.9	25.67
	0.0	-1.0	90.9	22.47	90.4	23.16	89.8	23.86	89.5	24.22	89.3	24.57	88.7	25.27	88.2	25.97
	2.0	1.0	95.6	23.04	95.0	23.75	94.4	24.45	94.1	24.81	93.8	25.17	93.1	25.88	90.6	25.73
	5.0	4.0	102.9	23.92	102.2	24.64	101.5	25.35	101.2	25.71	100.9	26.07	98.8	26.18	91.2	24.07
	7.0	6.0	107.4	24.50	106.7	25.23	106.0	25.95	105.6	26.31	105.2	26.68	98.8	25.06	91.2	23.04
	9.0	7.8	111.5	25.04	110.7	25.76	110.0	26.49	109.6	26.86	106.4	26.09	98.8	24.12	91.2	22.18
	12.0	10.6	117.8	25.87	117.0	26.62	114.0	26.48	110.2	25.54	106.4	24.60	98.8	22.74	91.2	20.93
	15.0	13.5	124.4	26.75	121.6	26.74	114.0	24.95	110.2	24.05	106.4	23.18	98.8	21.44	91.2	19.73
104.5 (110%)	-19.3	-20.0	49.6	17.52	49.4	18.17	49.2	18.80	49.2	19.12	49.1	19.45	49.0	20.09	48.8	20.74
	-15.0	-16.0	57.6	18.70	57.4	19.35	57.2	20.01	57.0	20.34	57.0	20.66	56.7	21.31	56.5	21.98
	-12.0	-13.0	63.8	19.59	63.5	20.25	63.3	20.91	63.1	21.25	63.1	21.58	62.7	22.24	62.5	22.91
	-9.0	-10.0	70.3	20.49	69.9	21.16	69.6	21.83	69.4	22.17	69.2	22.51	68.9	23.18	68.6	23.85
	-7.0	-8.0	74.6	21.08	74.3	21.77	73.9	22.45	73.7	22.78	73.5	23.12	73.1	23.80	72.8	24.48
	-5.0	-6.0	79.0	21.69	78.6	22.38	78.2	23.06	77.9	23.40	77.7	23.75	77.3	24.43	76.9	25.12
	-3.0	-4.0	83.6	22.30	83.0	22.99	82.6	23.69	82.3	24.03	82.1	24.37	81.7	25.06	81.1	25.75
	-1.0	-2.0	88.0	22.92	87.6	23.61	87.0	24.31	86.8	24.66	86.5	25.00	85.9	25.70	82.7	25.17
	0.0	-1.0	90.3	23.23	89.8	23.92	89.3	24.62	88.9	24.97	88.7	25.32	88.1	26.03	82.8	24.60
	2.0	1.0	94.8	23.84	94.3	24.55	93.7	25.25	93.4	25.61	93.1	25.96	89.9	25.55	83.0	23.50
	5.0	4.0	102.0	24.79	101.4	25.50	100.7	26.22	100.3	26.57	97.5	25.82	90.5	23.89	83.6	21.99
	7.0	6.0	106.5	25.42	105.8	26.14	104.5	26.60	100.9	25.66	97.5	24.72	90.5	22.87	83.6	21.06
	9.0	7.8	110.4	26.00	109.7	26.72	104.5	25.59	100.9	24.68	97.5	23.79	90.5	22.02	83.6	20.28
	12.0	10.6	116.6	26.90	111.4	25.84	104.5	24.13	100.9	23.29	97.5	22.44	90.5	20.78	83.6	19.14
	15.0	13.5	118.3	25.99	111.4	24.35	104.5	22.74	100.9	21.94	97.5	21.16	90.5	19.60	83.6	18.06

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ*270LALH

● Capacity : 95.0 kW (30HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
95.0 (100%)	-19.3	-20.0	49.4	17.99	49.3	18.63	49.2	19.27	49.1	19.60	49.0	19.92	48.8	20.57	48.7	21.20
	-15.0	-16.0	57.4	19.25	57.2	19.90	57.0	20.56	56.8	20.89	56.8	21.21	56.6	21.86	56.3	22.53
	-12.0	-13.0	63.6	20.21	63.3	20.87	63.1	21.54	62.9	21.86	62.7	22.19	62.5	22.85	62.2	23.52
	-9.0	-10.0	69.9	21.18	69.6	21.84	69.2	22.51	69.1	22.85	68.9	23.18	68.6	23.86	68.2	24.52
	-7.0	-8.0	74.2	21.82	73.9	22.49	73.5	23.17	73.3	23.51	73.1	23.84	72.7	24.52	72.4	25.20
	-5.0	-6.0	78.5	22.47	78.1	23.16	77.7	23.84	77.5	24.18	77.3	24.51	76.9	25.20	74.9	25.10
	-3.0	-4.0	83.0	23.14	82.5	23.82	82.1	24.51	81.7	24.85	81.5	25.19	81.1	25.88	75.0	23.91
	-1.0	-2.0	87.4	23.80	86.8	24.49	86.3	25.18	86.1	25.52	85.9	25.87	81.5	24.77	75.2	22.81
	0.0	-1.0	89.6	24.13	89.1	24.83	88.5	25.52	88.2	25.86	87.8	26.16	81.5	24.20	75.3	22.29
	2.0	1.0	94.1	24.81	93.5	25.50	92.9	26.20	91.2	25.92	88.0	24.98	81.7	23.13	75.4	21.31
	5.0	4.0	101.1	25.82	100.4	26.53	95.0	25.12	91.8	24.24	88.6	23.37	82.3	21.65	76.0	19.94
	7.0	6.0	105.5	26.51	101.3	25.74	95.0	24.05	91.8	23.21	88.6	22.38	82.3	20.74	76.0	19.10
	9.0	7.8	107.6	26.41	101.3	24.77	95.0	23.14	91.8	22.34	88.6	21.54	82.3	19.96	76.0	18.40
	12.0	10.6	107.6	24.91	101.3	23.36	95.0	21.83	91.8	21.08	88.6	20.32	82.3	18.84	76.0	17.37
	15.0	13.5	107.6	23.47	101.3	22.02	95.0	20.59	91.8	19.88	88.6	19.18	82.3	17.77	76.0	16.40
85.5 (90%)	-19.3	-20.0	49.4	18.57	49.2	19.20	49.0	19.85	49.0	20.17	48.9	20.49	48.7	21.14	48.6	21.77
	-15.0	-16.0	57.2	19.92	57.0	20.57	56.8	21.23	56.6	21.56	56.6	21.88	56.3	22.53	56.1	23.18
	-12.0	-13.0	63.3	20.96	63.0	21.62	62.7	22.28	62.6	22.61	62.5	22.93	62.2	23.59	61.9	24.26
	-9.0	-10.0	69.5	22.01	69.2	22.68	68.8	23.33	68.6	23.67	68.6	24.00	68.2	24.67	67.1	24.92
	-7.0	-8.0	73.7	22.71	73.3	23.38	73.0	24.05	72.8	24.39	72.6	24.72	72.2	25.39	67.2	23.68
	-5.0	-6.0	77.9	23.42	77.5	24.09	77.1	24.77	76.9	25.11	76.7	25.44	73.0	24.45	67.4	22.53
	-3.0	-4.0	82.3	24.14	81.8	24.81	81.3	25.50	81.1	25.84	78.8	25.15	73.1	23.30	67.5	21.48
	-1.0	-2.0	86.6	24.85	86.1	25.54	84.6	25.77	81.7	24.88	79.0	23.99	73.3	22.22	67.7	20.49
	0.0	-1.0	88.7	25.23	88.2	25.91	84.7	25.17	81.9	24.31	79.0	23.44	73.4	21.72	67.8	20.03
	2.0	1.0	93.1	25.95	90.6	25.73	84.9	24.05	82.1	23.23	79.2	22.39	73.5	20.76	67.9	19.14
	5.0	4.0	96.9	25.65	91.2	24.07	85.5	22.51	82.6	21.73	79.8	20.96	74.1	19.44	68.4	17.94
	7.0	6.0	96.9	24.56	91.2	23.04	85.5	21.55	82.6	20.81	79.8	20.08	74.1	18.63	68.4	17.20
	9.0	7.8	96.9	23.63	91.2	22.18	85.5	20.74	82.6	20.04	79.8	19.33	74.1	17.94	68.4	16.57
	12.0	10.6	96.9	22.28	91.2	20.93	85.5	19.58	82.6	18.91	79.8	18.26	74.1	16.95	68.4	15.65
	15.0	13.5	96.9	21.01	91.2	19.73	85.5	18.47	82.6	17.85	79.8	17.22	74.1	16.00	68.4	14.78
76.0 (80%)	-19.3	-20.0	49.2	19.28	49.0	19.92	48.8	20.55	48.8	20.88	48.7	21.20	48.5	21.84	48.4	22.47
	-15.0	-16.0	56.9	20.76	56.7	21.41	56.5	22.06	56.4	22.38	56.3	22.70	56.1	23.35	55.8	24.00
	-12.0	-13.0	62.9	21.89	62.7	22.55	62.3	23.20	62.2	23.52	62.1	23.86	61.8	24.51	59.3	23.93
	-9.0	-10.0	69.0	23.04	68.6	23.69	68.4	24.36	68.2	24.68	68.0	25.02	64.6	23.97	59.6	22.10
	-7.0	-8.0	73.1	23.80	72.8	24.47	72.4	25.14	72.2	25.46	69.7	24.58	64.7	22.79	59.7	21.02
	-5.0	-6.0	77.3	24.58	76.8	25.25	74.9	25.10	72.4	24.24	69.9	23.38	64.8	21.69	59.9	20.01
	-3.0	-4.0	81.5	25.37	80.0	25.57	75.0	23.91	72.5	23.09	70.1	22.28	65.0	20.67	60.0	19.08
	-1.0	-2.0	85.3	25.97	80.2	24.39	75.2	22.81	72.7	22.03	70.1	21.26	65.2	19.73	60.2	18.21
	0.0	-1.0	85.3	25.38	80.3	23.82	75.3	22.29	72.8	21.53	70.3	20.78	65.2	19.29	60.2	17.81
	2.0	1.0	85.5	24.24	80.5	22.76	75.4	21.31	72.9	20.58	70.5	19.86	65.4	18.44	60.4	17.03
	5.0	4.0	86.1	22.68	81.0	21.31	76.0	19.94	73.4	19.27	70.9	18.60	65.8	17.27	60.8	15.96
	7.0	6.0	86.1	21.71	81.0	20.41	76.0	19.10	73.4	18.47	70.9	17.83	65.8	16.56	60.8	15.31
	9.0	7.8	86.1	20.91	81.0	19.65	76.0	18.40	73.4	17.79	70.9	17.18	65.8	15.96	60.8	14.76
	12.0	10.6	86.1	19.73	81.0	18.55	76.0	17.37	73.4	16.80	70.9	16.23	65.8	15.08	60.8	13.95
	15.0	13.5	86.1	18.61	81.0	17.50	76.0	16.40	73.4	15.86	70.9	15.32	65.8	14.25	60.8	13.19
66.5 (70%)	-19.3	-20.0	49.0	20.19	48.8	20.83	48.6	21.46	48.6	21.79	48.5	22.10	48.3	22.74	48.1	23.37
	-15.0	-16.0	56.6	21.82	56.3	22.47	56.1	23.12	56.0	23.44	55.9	23.75	55.7	24.40	51.7	22.74
	-12.0	-13.0	62.4	23.07	62.1	23.71	61.8	24.37	61.7	24.70	60.6	24.44	56.3	22.67	51.9	20.92
	-9.0	-10.0	68.4	24.34	68.0	24.99	65.2	24.21	63.0	23.39	60.8	22.58	56.4	20.95	52.1	19.34
	-7.0	-8.0	72.4	25.19	69.7	24.58	65.3	23.00	63.1	22.22	61.0	21.46	56.6	19.92	52.2	18.40
	-5.0	-6.0	74.3	24.88	69.9	23.38	65.5	21.90	63.3	21.16	61.1	20.43	56.8	18.97	52.4	17.52
	-3.0	-4.0	74.4	23.71	70.1	22.28	65.6	20.87	63.4	20.17	61.2	19.48	56.8	18.09	52.5	16.72
	-1.0	-2.0	74.6	22.62	70.1	21.26	65.8	19.92	63.6	19.25	61.4	18.59	57.0	17.27	52.6	15.98
	0.0	-1.0	74.7	22.10	70.3	20.78	65.9	19.46	63.7	18.82	61.5	18.17	57.0	16.89	52.6	15.62
	2.0	1.0	74.8	21.12	70.5	19.86	66.0	18.61	63.8	18.00	61.6	17.38	57.2	16.15	52.8	14.95
	5.0	4.0	75.3	19.77	70.9	18.60	66.5	17.44	64.2	16.86	62.0	16.29	57.6	15.15	53.2	14.02
	7.0	6.0	75.3	18.95	70.9	17.83	66.5	16.72	64.2	16.17	62.0	15.62	57.6	14.53	53.2	13.46
	9.0	7.8	75.3	18.25	70.9	17.18	66.5	16.11	64.2	15.58	62.0	15.05	57.6	14.02	53.2	12.98
	12.0	10.6	75.3	17.24	70.9	16.23	66.5	15.22	64.2	14.73	62.0	14.23	57.6	13.26	53.2	12.29
	15.0	13.5	75.3	16.27	70.9	15.32	66.5	14.38	64.2	13.92	62.0	13.45	57.6	12.53	53.2	11.62
57.0 (60%)	-19.3	-20.0	48.7	21.39	48.5	22.03	48.3	22.66	48.3	22.97	48.2	23.29	47.8	23.77	44.1	21.96
	-15.0	-16.0	56.1	23.22	55.9	23.86	55.5	24.38	53.6	23.55	51.7	22.74	48.1	21.13	44.3	19.51
	-12.0	-13.0	61.8	24.62	59.3	23.93	55.7	22.42	53.8	21.67	51.9	20.92	48.2	19.44	44.5	17.98
	-9.0	-10.0	63.3	23.51	59.6	22.11	55.9	20.72	54.0	20.03	52.1	19.34	48.4	17.99	44.7	16.64
	-7.0	-8.0	63.5	22.34	59.7	21.02	56.0	19.70	54.1	19.04	52.2	18.40	48.5	17.11	44.8	15.83
	-5.0	-6.0	63.6	21.27	59.9	20.01	56.1	18.76	54.2	18.14	52.4	17.52	48.6	16.30	44.9	15.09
	-3.0	-4.0	63.8	20.26	60.0	19.08	56.2	17.90	54.3	17.31	52.5	16.72	48.8	15.56	45.0	14.41
	-1.0	-2.0	63.9	19.35	60.2	18.21	56.4	17.08	54.5	16.53	52.6	15.98	48.8	14.87	45.1	13.77
	0.0	-1.0	64.0	18.91	60.2	17.80	56.4	16.70	54.5	16.17	52.6	15.62	48.9	14.55	45.2	13.47
	2.0	1.0	64.2	18.09	60.4	17.03	56.6	15.98	54.7	15.46	52.8	14.95	49.0	13.92	45.2	12.90
	5.0	4.0	64.6	16.95	60.8	15.96	57.0	14.99	55.0	14.51	53.2	14.02	49.4	13.07	45.6	12.12
	7.0	6.0	64.6	16.25	60.8	15.31	57.0	14.38	55.1	13.92	53.2	13.46	49.4	12.55	45.6	11.64
	9.0	7.8	64.6	15.66	60.8	14.76	57.0	13.87	55.1	13.42	53.2	12.98	49.4	12.10	45.6	11.24
	12.0	10.6	64.6	14.80	60.8	13.95	57.0	13.11	55.1	12.70	53.2	12.29	49.4	11.47	45.6	10.65
	15.0	13.5	64.6	13.98	60.8	13.19	57.0	12.40	55.1	12.01	53.2	11.62	49.4	10.84	45.6	10.08
47.5 (50%)	-19.3	-20.0	48.3	23.06	48.1	23.69	46.0	22.86	44.4	22.11	42.9	21.36	39.9	19.85	36.8	18.37
	-15.0	-16.0	52.4	23.01	49.2	21.66	46.2	20.31	44.6	19.65	43.1	18.98	40.1	17.67	36.9	16.35
	-12.0	-13.0	52.6	21.17	49.4	19.94	46.4	18.71	44.8	18.10	43.3	17.49	40.1	16.28	37.1	15.08
	-9.0	-10.0	52.8	19.57	49.6	18.43	46.5	17.31	45.0	16.75	43.5	16.19	40.3	15.08	37.2	13.98
	-7.0	-8.0	52.8	18.62	49.8	17.54	46.6	16.47	45.0	15.94	43.5	15.41	40.4	14.36	37.3	13.31
	-5.0	-6.0	53.0	17.73	49.8	16.70	46.7	15.69	45.2	15.19	43.7	14.69	40.5	13.69	37.4	12.70
	-3.0	-4.0	53.2	16.91	50.0	15.94	46.9	14.99	45.2	14.50	43.7	14.02	40.6	13.08	37.4	12.14
	-1.0	-2.0	53.2	16.15	50.1	15.24	46.9	14.32	45.4	13.87	43.9	13.41	40.7	12.51	37.6	11.62
	0.0	-1.0	53.3	15.80	50.2	14.90	47.0	14.00	45.4	13.56	43.9	13.12	40.7	12.24	37.6	11.37
	2.0	1.0	53.4	15.12	50.3	14.26	47.1	13.41	45.6	12.99	43.9	12.57	40.8	11.73	37.6	10.90
	5.0	4.0	53.8	14.19	50.6	13.39	47.5	12.59	45.8	12.20	44.3	11.81	41.1	11.03	38.0	10.25
	7.0	6.0	53.8	13.62	50.6	12.84	47.5	12.09	45.8	11.72	44.3	11.34	41.1	10.59	38.0	9.85
	9.0	7.8	53.8	13.13	50.6	12.40	47.5	11.66	45.8	11.30	44.3	10.95	41.1	10.23	38.0	9.52
	12.0	10.6	53.8	12.42	50.6	11.74	47.5	11.05	45.8	10.71	44.3	10.37	41.1	9.70	38.0	9.03
	15.0	13.5	53.8	11.75	50.6	11.11	47.5	10.46	45.8	10.14	44.3	9.83	41.1	9.20	38.0	8.57

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ✳288LALH

● Capacity : 100.0 kW (32HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
150.0 (150%)	-19.3	-20.0	52.4	17.00	52.4	17.68	52.2	18.36	52.0	18.70	52.0	19.04	51.8	19.72	51.6	20.40
	-15.0	-16.0	61.0	18.00	60.8	18.70	60.6	19.40	60.6	19.74	60.4	20.08	60.2	20.78	60.0	21.48
	-12.0	-13.0	67.8	18.76	67.6	19.46	67.4	20.16	67.2	20.52	67.0	20.86	66.8	21.56	66.4	22.28
	-9.0	-10.0	74.8	19.50	74.6	20.22	74.2	20.92	74.0	21.28	73.8	21.64	73.4	22.36	73.2	23.06
	-7.0	-8.0	79.6	20.00	79.2	20.72	78.8	21.44	78.6	21.80	78.4	22.16	78.0	22.88	77.6	23.60
	-5.0	-6.0	84.6	20.48	84.0	21.22	83.6	21.94	83.4	22.30	83.2	22.68	82.8	23.40	82.4	24.14
	-3.0	-4.0	89.4	20.98	89.0	21.72	88.6	22.46	88.2	22.82	88.0	23.20	87.6	23.92	87.0	24.66
	-1.0	-2.0	94.6	21.48	94.0	22.22	93.4	22.96	93.2	23.34	92.8	23.72	92.4	24.46	91.8	25.20
	0.0	-1.0	97.0	21.74	96.4	22.48	96.0	23.22	95.6	23.60	95.4	23.98	94.8	24.72	94.2	25.46
	2.0	1.0	102.2	22.24	101.6	22.98	101.0	23.74	100.6	24.12	100.4	24.50	99.6	25.24	99.0	26.00
	5.0	4.0	110.2	22.98	109.6	23.74	108.8	24.52	108.4	24.90	108.2	25.28	107.4	26.04	106.6	26.82
	7.0	6.0	115.2	23.48	114.6	24.26	113.8	25.04	113.4	25.42	113.0	25.80	112.2	26.58	111.4	27.36
	9.0	7.8	119.8	23.94	119.0	24.72	118.2	25.50	117.8	25.90	117.4	26.28	116.4	27.06	115.6	27.86
	12.0	10.6	127.0	24.66	126.0	25.44	125.0	26.24	124.6	26.64	124.2	27.04	123.2	27.82	120.0	27.76
	15.0	13.5	134.4	25.40	133.4	26.20	132.2	27.02	131.8	27.42	131.2	27.82	129.8	28.50	120.0	26.14
140.0 (140%)	-19.3	-20.0	52.4	17.26	52.2	17.94	52.2	18.62	52.0	18.96	52.0	19.30	51.8	19.98	51.6	20.66
	-15.0	-16.0	61.0	18.32	60.8	19.00	60.6	19.70	60.4	20.04	60.4	20.40	60.2	21.08	59.8	21.78
	-12.0	-13.0	67.8	19.10	67.4	19.80	67.2	20.50	67.0	20.86	66.8	21.20	66.6	21.92	66.4	22.62
	-9.0	-10.0	74.6	19.88	74.4	20.60	74.0	21.32	73.8	21.66	73.6	22.02	73.4	22.74	73.0	23.44
	-7.0	-8.0	79.4	20.40	79.0	21.12	78.6	21.84	78.4	22.20	78.2	22.56	77.8	23.28	77.4	24.00
	-5.0	-6.0	84.2	20.94	83.8	21.66	83.4	22.38	83.2	22.74	83.0	23.12	82.6	23.84	82.0	24.56
	-3.0	-4.0	89.2	21.46	88.6	22.20	88.2	22.92	88.0	23.30	87.8	23.66	87.2	24.40	86.8	25.12
	-1.0	-2.0	94.2	21.98	93.6	22.72	93.0	23.46	92.8	23.84	92.6	24.20	92.0	24.94	91.4	25.70
	0.0	-1.0	96.6	22.26	96.0	23.00	95.6	23.74	95.2	24.10	95.0	24.48	94.4	25.22	93.8	25.98
	2.0	1.0	101.8	22.78	101.2	23.54	100.4	24.28	100.2	24.66	99.8	25.04	99.2	25.78	98.6	26.54
	5.0	4.0	109.6	23.58	109.0	24.34	108.2	25.10	108.0	25.48	107.6	25.86	106.8	26.64	106.0	27.40
	7.0	6.0	114.6	24.12	113.8	24.88	113.2	25.66	112.8	26.04	112.4	26.42	111.6	27.20	110.8	27.98
	9.0	7.8	119.2	24.60	118.4	25.38	117.4	26.16	117.0	26.54	116.6	26.94	115.8	27.72	112.0	27.34
	12.0	10.6	126.2	25.38	125.2	26.16	124.2	26.94	123.8	27.34	123.4	27.74	121.2	28.08	112.0	25.78
	15.0	13.5	133.4	26.18	132.4	26.96	131.4	27.76	130.8	28.16	130.4	28.56	121.2	26.44	112.0	24.28
130.0 (130%)	-19.3	-20.0	52.4	17.58	52.2	18.24	52.0	18.92	52.0	19.26	51.8	19.60	51.8	20.28	51.6	20.96
	-15.0	-16.0	60.8	18.68	60.6	19.36	60.4	20.06	60.4	20.40	60.2	20.74	60.0	21.44	59.8	22.14
	-12.0	-13.0	67.6	19.50	67.2	20.20	67.0	20.90	66.8	21.26	66.8	21.60	66.4	22.30	66.2	23.00
	-9.0	-10.0	74.4	20.34	74.2	21.04	73.8	21.76	73.6	22.10	73.4	22.46	73.0	23.18	72.8	23.88
	-7.0	-8.0	79.2	20.88	78.8	21.60	78.4	22.32	78.2	22.68	78.0	23.04	77.6	23.76	77.2	24.48
	-5.0	-6.0	84.0	21.44	83.6	22.16	83.0	22.90	82.8	23.26	82.6	23.62	82.2	24.34	81.8	25.06
	-3.0	-4.0	88.8	22.00	88.4	22.74	87.8	23.46	87.6	23.82	87.4	24.20	86.8	24.92	86.4	25.66
	-1.0	-2.0	93.8	22.56	93.2	23.30	92.6	24.04	92.4	24.40	92.2	24.78	91.6	25.52	91.0	26.26
	0.0	-1.0	96.2	22.84	95.6	23.58	95.0	24.32	94.8	24.70	94.6	25.06	94.0	25.82	93.4	26.56
	2.0	1.0	101.2	23.42	100.6	24.16	100.0	24.90	99.6	25.28	99.4	25.66	98.6	26.40	98.0	27.16
	5.0	4.0	109.0	24.26	108.4	25.02	107.6	25.78	107.2	26.16	107.0	26.54	106.2	27.30	104.0	27.44
	7.0	6.0	114.0	24.84	113.2	25.60	112.4	26.38	112.0	26.76	111.6	27.14	110.8	27.90	104.0	26.26
	9.0	7.8	118.4	25.36	117.4	26.14	116.6	26.90	116.2	27.30	115.8	27.68	112.6	27.52	104.0	25.28
	12.0	10.6	125.2	26.18	124.2	26.96	123.4	27.74	122.8	28.14	121.2	28.08	112.6	25.94	104.0	23.82
	15.0	13.5	132.2	27.04	131.2	27.84	130.0	28.50	125.6	27.48	121.2	26.44	112.6	24.44	104.0	22.46
120.0 (120%)	-19.3	-20.0	52.2	17.92	52.2	18.60	52.0	19.28	51.8	19.62	51.8	19.96	51.6	20.64	51.4	21.32
	-15.0	-16.0	60.8	19.08	60.6	19.78	60.4	20.46	60.2	20.82	60.0	21.16	59.8	21.84	59.6	22.54
	-12.0	-13.0	67.4	19.96	67.2	20.66	66.8	21.36	66.6	21.72	66.6	22.06	66.2	22.76	66.0	23.46
	-9.0	-10.0	74.2	20.84	73.8	21.56	73.6	22.26	73.4	22.62	73.2	22.98	72.8	23.68	72.4	24.40
	-7.0	-8.0	78.8	21.44	78.4	22.16	78.0	22.86	78.0	23.22	77.8	23.58	77.4	24.30	77.0	25.02
	-5.0	-6.0	83.6	22.04	83.2	22.76	82.8	23.48	82.6	23.84	82.2	24.20	81.8	24.92	81.4	25.64
	-3.0	-4.0	88.4	22.64	88.0	23.36	87.4	24.08	87.2	24.44	87.0	24.82	86.4	25.54	86.0	26.28
	-1.0	-2.0	93.2	23.24	92.8	23.96	92.2	24.70	91.8	25.06	91.6	25.44	91.0	26.16	90.4	26.90
	0.0	-1.0	95.6	23.54	95.2	24.26	94.6	25.00	94.2	25.38	94.0	25.74	93.4	26.48	92.8	27.22
	2.0	1.0	100.6	24.14	100.0	24.88	99.4	25.62	99.0	26.00	98.8	26.38	98.0	27.12	95.4	26.96
	5.0	4.0	108.4	25.06	107.6	25.82	106.8	26.56	106.6	26.94	106.2	27.32	104.0	27.44	96.0	25.22
	7.0	6.0	113.0	25.68	112.4	26.44	111.6	27.20	111.2	27.58	110.8	27.96	104.0	26.26	96.0	24.14
	9.0	7.8	117.4	26.24	116.6	27.00	115.8	27.76	115.4	28.16	112.0	27.34	104.0	25.28	96.0	23.24
	12.0	10.6	124.0	27.12	123.2	27.90	120.0	27.76	116.0	26.76	112.0	25.78	104.0	23.82	96.0	21.92
	15.0	13.5	131.0	28.04	128.0	28.02	120.0	26.14	116.0	25.20	112.0	24.28	104.0	22.46	96.0	20.66
110.0 (110%)	-19.3	-20.0	52.2	18.34	52.0	19.02	51.8	19.68	51.8	20.02	51.6	20.36	51.6	21.04	51.4	21.72
	-15.0	-16.0	60.6	19.58	60.4	20.26	60.2	20.96	60.0	21.30	60.0	21.64	59.6	22.32	59.4	23.02
	-12.0	-13.0	67.2	20.52	66.8	21.20	66.6	21.90	66.4	22.26	66.4	22.60	66.0	23.30	65.8	24.00
	-9.0	-10.0	74.0	21.46	73.6	22.16	73.2	22.86	73.0	23.22	72.8	23.58	72.6	24.28	72.2	24.98
	-7.0	-8.0	78.6	22.08	78.2	22.80	77.8	23.52	77.6	23.86	77.4	24.22	77.0	24.94	76.6	25.66
	-5.0	-6.0	83.2	22.72	82.8	23.44	82.4	24.16	82.0	24.52	81.8	24.88	81.4	25.60	81.0	26.32
	-3.0	-4.0	88.0	23.36	87.4	24.08	87.0	24.82	86.6	25.18	86.4	25.54	86.0	26.26	85.4	26.98
	-1.0	-2.0	92.6	24.02	92.2	24.74	91.6	25.48	91.4	25.84	91.0	26.20	90.4	26.94	87.0	26.38
	0.0	-1.0	95.0	24.34	94.6	25.06	94.0	25.80	93.6	26.16	93.4	26.54	92.8	27.28	87.2	25.78
	2.0	1.0	99.8	24.98	99.2	25.72	98.6	26.46	98.4	26.84	98.0	27.20	94.6	26.78	87.4	24.62
	5.0	4.0	107.4	25.98	106.8	26.72	106.0	27.48	105.6	27.84	102.6	27.06	95.2	25.04	88.0	23.04
	7.0	6.0	112.2	26.64	111.4	27.40	110.0	27.88	106.2	26.90	102.6	25.90	95.2	23.96	88.0	22.06
	9.0	7.8	116.2	27.24	115.4	28.00	110.0	26.82	106.2	25.86	102.6	24.92	95.2	23.06	88.0	21.24
	12.0	10.6	122.8	28.20	117.2	27.08	110.0	25.28	106.2	24.40	102.6	23.50	95.2	21.76	88.0	20.04
	15.0	13.5	124.6	27.24	117.2	25.52	110.0	23.82	106.2	22.98	102.6	22.16	95.2	20.52	88.0	18.90

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ✳288LALH

● Capacity : 100.0 kW (32HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100.0 (100%)	-19.3	**-20.0**	52.0	18.84	51.8	19.50	51.8	20.18	51.6	20.52	51.6	20.86	51.4	21.54	51.2	22.20
	-15.0	**-16.0**	60.4	20.16	60.2	20.84	60.0	21.54	59.8	21.88	59.8	22.22	59.6	22.90	59.2	23.60
	-12.0	**-13.0**	67.0	21.16	66.6	21.86	66.4	22.56	66.2	22.90	66.0	23.24	65.8	23.94	65.4	24.64
	-9.0	**-10.0**	73.6	22.18	73.2	22.88	72.8	23.58	72.8	23.94	72.6	24.28	72.2	25.00	71.8	25.70
	-7.0	**-8.0**	78.2	22.86	77.8	23.56	77.4	24.28	77.2	24.64	77.0	24.98	76.6	25.70	76.2	26.40
	-5.0	**-6.0**	82.6	23.54	82.2	24.26	81.8	24.98	81.6	25.34	81.4	25.68	81.0	26.40	78.8	26.30
	-3.0	**-4.0**	87.4	24.24	86.8	24.96	86.4	25.68	86.0	26.04	85.8	26.40	85.4	27.12	79.0	25.06
	-1.0	**-2.0**	92.0	24.94	91.4	25.66	90.8	26.38	90.6	26.74	90.4	27.12	85.8	25.96	79.2	23.90
	0.0	**-1.0**	94.4	25.28	93.8	26.02	93.2	26.74	92.8	27.10	92.4	27.42	85.8	25.36	79.2	23.36
	2.0	**1.0**	99.0	26.00	98.4	26.72	97.8	27.46	96.0	27.16	92.6	26.18	86.0	24.24	79.4	22.32
	5.0	**4.0**	106.4	27.06	105.6	27.80	100.0	26.32	96.6	25.40	93.2	24.48	86.6	22.68	80.0	20.88
	7.0	**6.0**	111.2	27.78	106.6	26.98	100.0	25.20	96.6	24.32	93.2	23.44	86.6	21.72	80.0	20.00
	9.0	**7.8**	113.2	27.68	106.6	25.96	100.0	24.24	96.6	23.40	93.2	22.56	86.6	20.90	80.0	19.26
	12.0	**10.6**	113.2	26.10	106.6	24.48	100.0	22.86	96.6	22.08	93.2	21.28	86.6	19.72	80.0	18.18
	15.0	**13.5**	113.2	24.58	106.6	23.06	100.0	21.56	96.6	20.82	93.2	20.08	86.6	18.60	80.0	17.16
90.0 (90%)	-19.3	**-20.0**	52.0	19.44	51.8	20.10	51.6	20.78	51.6	21.12	51.4	21.46	51.2	22.14	51.2	22.80
	-15.0	**-16.0**	60.2	20.86	60.0	21.54	59.8	22.24	59.6	22.58	59.6	22.92	59.2	23.60	59.0	24.28
	-12.0	**-13.0**	66.6	21.96	66.4	22.64	66.0	23.34	65.8	23.68	65.8	24.02	65.4	24.72	65.2	25.42
	-9.0	**-10.0**	73.2	23.06	72.8	23.76	72.4	24.44	72.2	24.80	72.2	25.14	71.8	25.84	70.6	26.12
	-7.0	**-8.0**	77.6	23.80	77.2	24.50	76.8	25.20	76.6	25.56	76.4	25.90	76.0	26.60	70.8	24.82
	-5.0	**-6.0**	82.0	24.54	81.6	25.24	81.2	25.96	81.0	26.32	80.8	26.66	76.8	25.62	71.0	23.60
	-3.0	**-4.0**	86.6	25.30	86.2	26.00	85.6	26.72	85.4	27.08	83.0	26.36	77.0	24.42	71.0	22.50
	-1.0	**-2.0**	91.2	26.04	90.6	26.76	89.0	27.02	86.0	26.08	83.2	25.14	77.2	23.28	71.2	21.46
	0.0	**-1.0**	93.4	26.44	92.8	27.16	89.2	26.38	86.2	25.48	83.2	24.56	77.2	22.76	71.4	20.98
	2.0	**1.0**	98.0	27.20	95.4	26.96	89.4	25.20	86.4	24.34	83.4	23.46	77.4	21.74	71.4	20.04
	5.0	**4.0**	102.0	26.88	96.0	25.22	90.0	23.58	87.0	22.76	84.0	21.96	78.0	20.36	72.0	18.78
	7.0	**6.0**	102.0	25.74	96.0	24.14	90.0	22.58	87.0	21.80	84.0	21.02	78.0	19.50	72.0	18.00
	9.0	**7.8**	102.0	24.76	96.0	23.24	90.0	21.72	87.0	20.98	84.0	20.24	78.0	18.78	72.0	17.34
	12.0	**10.6**	102.0	23.34	96.0	21.92	90.0	20.50	87.0	19.80	84.0	19.12	78.0	17.74	72.0	16.38
	15.0	**13.5**	102.0	22.00	96.0	20.66	90.0	19.34	87.0	18.68	84.0	18.02	78.0	16.74	72.0	15.46
80.0 (80%)	-19.3	**-20.0**	51.8	20.18	51.6	20.86	51.4	21.52	51.4	21.86	51.2	22.20	51.0	22.88	51.0	23.54
	-15.0	**-16.0**	59.8	21.74	59.6	22.42	59.4	23.10	59.4	23.44	59.2	23.78	59.0	24.46	58.8	25.14
	-12.0	**-13.0**	66.2	22.92	66.0	23.62	65.6	24.30	65.4	24.64	65.4	25.00	65.0	25.68	62.4	25.08
	-9.0	**-10.0**	72.6	24.14	72.2	24.82	72.0	25.52	71.8	25.86	71.6	26.22	68.0	25.12	62.8	23.16
	-7.0	**-8.0**	77.0	24.94	76.6	25.64	76.2	26.34	76.0	26.68	73.4	25.76	68.2	23.88	62.8	22.02
	-5.0	**-6.0**	81.4	25.76	80.8	26.46	78.8	26.30	76.2	25.40	73.6	24.50	68.2	22.72	63.0	20.96
	-3.0	**-4.0**	85.8	26.58	84.2	26.80	79.0	25.06	76.4	24.20	73.8	23.34	68.4	21.66	63.2	19.98
	-1.0	**-2.0**	89.8	27.22	84.4	25.56	79.2	23.90	76.6	23.08	73.8	22.28	68.6	20.66	63.4	19.06
	0.0	**-1.0**	89.8	26.60	84.6	24.96	79.2	23.36	76.6	22.56	74.0	21.76	68.6	20.20	63.4	18.64
	2.0	**1.0**	90.0	25.40	84.8	23.84	79.4	22.32	76.8	21.56	74.2	20.80	68.8	19.30	63.6	17.82
	5.0	**4.0**	90.6	23.76	85.2	22.32	80.0	20.88	77.2	20.18	74.6	19.48	69.2	18.08	64.0	16.70
	7.0	**6.0**	90.6	22.74	85.2	21.38	80.0	20.00	77.2	19.34	74.6	18.66	69.2	17.32	64.0	16.02
	9.0	**7.8**	90.6	21.90	85.2	20.58	80.0	19.26	77.2	18.62	74.6	17.98	69.2	16.70	64.0	15.44
	12.0	**10.6**	90.6	20.66	85.2	19.42	80.0	18.18	77.2	17.58	74.6	16.98	69.2	15.78	64.0	14.58
	15.0	**13.5**	90.6	19.48	85.2	18.32	80.0	17.16	77.2	16.60	74.6	16.02	69.2	14.90	64.0	13.78
70.0 (70%)	-19.3	**-20.0**	51.6	21.14	51.4	21.82	51.2	22.48	51.2	22.82	51.0	23.14	50.8	23.82	50.6	24.48
	-15.0	**-16.0**	59.6	22.86	59.2	23.54	59.0	24.22	59.0	24.56	58.8	24.88	58.6	25.56	54.4	23.84
	-12.0	**-13.0**	65.6	24.16	65.4	24.84	65.0	25.54	65.0	25.88	63.8	25.62	59.2	23.76	54.6	21.92
	-9.0	**-10.0**	72.0	25.50	71.6	26.18	68.6	25.38	66.4	24.52	64.0	23.66	59.4	21.94	54.8	20.26
	-7.0	**-8.0**	76.2	26.40	73.4	25.76	68.8	24.10	66.4	23.28	64.2	22.48	59.6	20.86	55.0	19.26
	-5.0	**-6.0**	78.2	26.08	73.6	24.50	69.0	22.94	66.6	22.16	64.4	21.40	59.8	19.86	55.2	18.34
	-3.0	**-4.0**	78.4	24.84	73.8	23.34	69.0	21.86	66.8	21.12	64.4	20.40	59.8	18.94	55.2	17.50
	-1.0	**-2.0**	78.6	23.70	73.8	22.28	69.2	20.86	67.0	20.16	64.6	19.46	60.0	18.08	55.4	16.72
	0.0	**-1.0**	78.6	23.16	74.0	21.76	69.4	20.38	67.0	19.70	64.8	19.02	60.0	17.68	55.4	16.34
	2.0	**1.0**	78.8	22.12	74.2	20.80	69.4	19.48	67.2	18.84	64.8	18.20	60.2	16.90	55.6	15.64
	5.0	**4.0**	79.2	20.70	74.6	19.48	70.0	18.26	67.6	17.64	65.2	17.04	60.6	15.84	56.0	14.66
	7.0	**6.0**	79.2	19.84	74.6	18.66	70.0	17.50	67.6	16.92	65.2	16.34	60.6	15.20	56.0	14.08
	9.0	**7.8**	79.2	19.10	74.6	17.98	70.0	16.86	67.6	16.30	65.2	15.74	60.6	14.66	56.0	13.56
	12.0	**10.6**	79.2	18.04	74.6	16.98	70.0	15.92	67.6	15.40	65.2	14.88	60.6	13.86	56.0	12.84
	15.0	**13.5**	79.2	17.02	74.6	16.02	70.0	15.04	67.6	14.56	65.2	14.06	60.6	13.10	56.0	12.14
60.0 (60%)	-19.3	**-20.0**	51.2	22.40	51.0	23.08	50.8	23.74	50.8	24.06	50.8	24.40	50.4	24.92	46.4	23.02
	-15.0	**-16.0**	59.0	24.32	58.8	25.00	58.4	25.56	56.4	24.68	54.4	23.84	50.6	22.14	46.6	20.44
	-12.0	**-13.0**	65.0	25.80	62.4	25.08	58.6	23.50	56.6	22.70	54.6	21.92	50.8	20.36	46.8	18.82
	-9.0	**-10.0**	66.6	24.64	62.8	23.16	58.8	21.70	56.8	20.98	54.8	20.26	51.0	18.84	47.0	17.42
	-7.0	**-8.0**	66.8	23.40	62.8	22.02	59.0	20.64	57.0	19.94	55.0	19.26	51.0	17.92	47.2	16.56
	-5.0	**-6.0**	67.0	22.28	63.0	20.96	59.0	19.64	57.0	19.00	55.2	18.34	51.2	17.06	47.2	15.78
	-3.0	**-4.0**	67.2	21.22	63.2	19.98	59.2	18.74	57.2	18.12	55.2	17.50	51.4	16.28	47.4	15.08
	-1.0	**-2.0**	67.2	20.26	63.4	19.06	59.4	17.88	57.4	17.30	55.4	16.72	51.4	15.56	47.4	14.40
	0.0	**-1.0**	67.4	19.80	63.4	18.64	59.4	17.48	57.4	16.92	55.4	16.34	51.4	15.22	47.6	14.08
	2.0	**1.0**	67.6	18.94	63.6	17.82	59.6	16.72	57.6	16.18	55.6	15.64	51.6	14.56	47.6	13.48
	5.0	**4.0**	68.0	17.74	64.0	16.70	60.0	15.68	57.8	15.18	56.0	14.66	52.0	13.66	48.0	12.66
	7.0	**6.0**	68.0	17.00	64.0	16.02	60.0	15.04	58.0	14.56	56.0	14.08	52.0	13.12	48.0	12.16
	9.0	**7.8**	68.0	16.38	64.0	15.44	60.0	14.50	58.0	14.02	56.0	13.56	52.0	12.64	48.0	11.74
	12.0	**10.6**	68.0	15.48	64.0	14.58	60.0	13.70	58.0	13.28	56.0	12.84	52.0	11.98	48.0	11.12
	15.0	**13.5**	68.0	14.62	64.0	13.78	60.0	12.96	58.0	12.54	56.0	12.14	52.0	11.32	48.0	10.52
50.0 (50%)	-19.3	**-20.0**	50.8	24.16	50.6	24.82	48.4	23.96	46.8	23.18	45.2	22.38	42.0	20.80	38.8	19.24
	-15.0	**-16.0**	55.2	24.12	51.8	22.70	48.6	21.28	47.0	20.58	45.4	19.88	42.2	18.50	38.8	17.12
	-12.0	**-13.0**	55.4	22.18	52.0	20.88	48.8	19.60	47.2	18.96	45.6	18.32	42.2	17.04	39.0	15.78
	-9.0	**-10.0**	55.6	20.50	52.2	19.30	49.0	18.12	47.4	17.54	45.8	16.94	42.4	15.78	39.2	14.62
	-7.0	**-8.0**	55.6	19.50	52.4	18.36	49.0	17.24	47.4	16.68	45.8	16.12	42.6	15.02	39.2	13.92
	-5.0	**-6.0**	55.8	18.56	52.4	17.48	49.2	16.42	47.6	15.90	46.0	15.36	42.6	14.32	39.4	13.28
	-3.0	**-4.0**	56.0	17.70	52.6	16.68	49.4	15.68	47.6	15.16	46.0	14.66	42.8	13.68	39.4	12.68
	-1.0	**-2.0**	56.0	16.90	52.8	15.94	49.4	14.98	47.8	14.50	46.2	14.02	42.8	13.08	39.6	12.14
	0.0	**-1.0**	56.2	16.54	52.8	15.58	49.4	14.64	47.8	14.18	46.2	13.72	42.8	12.80	39.6	11.88
	2.0	**1.0**	56.2	15.82	53.0	14.92	49.6	14.02	48.0	13.58	46.2	13.14	43.0	12.26	39.6	11.38
	5.0	**4.0**	56.6	14.84	53.2	14.00	50.0	13.16	48.2	12.74	46.6	12.34	43.2	11.52	40.0	10.70
	7.0	**6.0**	56.6	14.24	53.2	13.42	50.0	12.64	48.2	12.24	46.6	11.84	43.2	11.06	40.0	10.28
	9.0	**7.8**	56.6	13.72	53.2	12.96	50.0	12.18	48.2	11.80	46.6	11.44	43.2	10.68	40.0	9.94
	12.0	**10.6**	56.6	12.98	53.2	12.26	50.0	11.54	48.2	11.18	46.6	10.82	43.2	10.12	40.0	9.42
	15.0	**13.5**	56.6	12.28	53.2	11.60	50.0	10.92	48.2	10.58	46.6	10.26	43.2	9.60	40.0	8.94

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ✳306LALH

● Capacity : 106.5 kW (34HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
159.8 (150%)	-19.3	-20.0	55.7	17.81	55.7	18.52	55.4	19.24	55.4	19.58	55.2	19.93	55.1	20.64	54.9	21.36
	-15.0	-16.0	65.0	18.86	64.8	19.58	64.5	20.30	64.5	20.67	64.2	21.04	63.9	21.76	63.7	22.48
	-12.0	-13.0	72.2	19.64	71.9	20.38	71.6	21.10	71.3	21.47	71.3	21.84	71.0	22.59	70.7	23.31
	-9.0	-10.0	79.8	20.41	79.3	21.16	78.9	21.90	78.7	22.28	78.6	22.67	78.1	23.41	77.8	24.16
	-7.0	-8.0	84.9	20.95	84.3	21.70	84.0	22.44	83.8	22.82	83.5	23.19	83.0	23.96	82.7	24.71
	-5.0	-6.0	90.0	21.47	89.5	22.21	89.1	22.98	88.9	23.36	88.6	23.73	88.1	24.50	87.5	25.27
	-3.0	-4.0	95.4	21.98	94.8	22.75	94.3	23.53	94.0	23.90	93.7	24.28	93.2	25.05	92.6	25.82
	-1.0	-2.0	100.7	22.50	100.0	23.27	99.4	24.05	99.1	24.44	98.8	24.82	98.3	25.62	97.7	26.39
	0.0	-1.0	103.3	22.76	102.8	23.55	102.2	24.33	101.9	24.70	101.4	25.10	100.8	25.88	100.3	26.67
	2.0	1.0	108.8	23.29	108.2	24.07	107.6	24.87	107.1	25.25	106.8	25.65	106.2	26.45	105.4	27.22
	5.0	4.0	117.5	24.07	116.7	24.87	115.9	25.67	115.6	26.07	115.2	26.47	114.4	27.28	113.6	28.08
	7.0	6.0	122.9	24.61	122.1	25.41	121.2	26.22	120.7	26.62	120.4	27.02	119.5	27.85	118.7	28.65
	9.0	7.8	127.7	25.09	126.9	25.90	125.8	26.71	125.5	27.13	124.9	27.53	124.1	28.36	123.2	29.17
	12.0	10.6	135.4	25.84	134.3	26.67	133.4	27.50	132.8	27.90	132.3	28.31	131.2	29.14	127.8	29.05
	15.0	13.5	143.1	26.62	142.2	27.47	141.1	28.30	140.5	28.73	139.9	29.13	138.3	29.83	127.8	27.35
149.1 (140%)	-19.3	-20.0	55.7	18.07	55.4	18.78	55.4	19.50	55.2	19.85	55.1	20.21	54.9	20.93	54.8	21.62
	-15.0	-16.0	64.8	19.18	64.5	19.90	64.5	20.62	64.2	20.99	64.2	21.36	63.9	22.07	63.6	22.79
	-12.0	-13.0	72.1	20.01	71.8	20.73	71.3	21.47	71.3	21.84	71.1	22.21	70.8	22.93	70.5	23.68
	-9.0	-10.0	79.5	20.84	79.2	21.56	78.7	22.30	78.4	22.68	78.4	23.05	77.9	23.81	77.6	24.56
	-7.0	-8.0	84.6	21.38	84.1	22.13	83.8	22.87	83.5	23.25	83.2	23.62	82.9	24.39	82.4	25.13
	-5.0	-6.0	89.7	21.93	89.2	22.67	88.6	23.44	88.6	23.82	88.3	24.19	87.8	24.96	87.2	25.73
	-3.0	-4.0	94.9	22.47	94.3	23.24	94.0	24.01	93.7	24.39	93.4	24.76	92.9	25.54	92.3	26.31
	-1.0	-2.0	100.2	23.04	99.7	23.81	99.1	24.58	98.8	24.96	98.5	25.36	98.0	26.13	97.2	26.90
	0.0	-1.0	103.0	23.30	102.3	24.07	101.7	24.87	101.4	25.25	101.1	25.64	100.5	26.42	99.7	27.19
	2.0	1.0	108.4	23.87	107.6	24.64	107.0	25.44	106.7	25.82	106.2	26.22	105.6	27.00	104.8	27.79
	5.0	4.0	116.9	24.70	116.1	25.50	115.3	26.30	115.0	26.70	114.5	27.10	113.8	27.88	113.0	28.68
	7.0	6.0	122.1	25.27	121.3	26.07	120.4	26.87	120.1	27.28	119.6	27.68	118.7	28.48	117.9	29.28
	9.0	7.8	126.9	25.78	126.0	26.59	125.2	27.39	124.7	27.81	124.1	28.22	123.3	29.02	119.2	28.62
	12.0	10.6	134.3	26.58	133.4	27.41	132.3	28.22	132.0	28.64	131.4	29.05	129.2	29.40	119.2	26.97
	15.0	13.5	142.2	27.42	141.1	28.25	140.0	29.08	139.4	29.51	138.8	29.93	129.2	27.68	119.2	25.40
138.5 (130%)	-19.3	-20.0	55.7	18.39	55.4	19.10	55.2	19.81	55.1	20.16	55.1	20.53	54.9	21.24	54.6	21.94
	-15.0	-16.0	64.8	19.55	64.5	20.27	64.2	20.99	64.2	21.36	64.0	21.73	63.7	22.44	63.4	23.16
	-12.0	-13.0	71.9	20.41	71.6	21.16	71.3	21.88	71.0	22.25	71.0	22.62	70.7	23.36	70.2	24.08
	-9.0	-10.0	79.2	21.30	78.9	22.04	78.4	22.78	78.4	23.16	78.1	23.53	77.8	24.25	77.3	25.00
	-7.0	-8.0	84.3	21.87	83.8	22.62	83.5	23.36	83.2	23.76	83.0	24.13	82.6	24.87	82.1	25.62
	-5.0	-6.0	89.4	22.47	88.9	23.21	88.4	23.96	88.1	24.36	88.0	24.73	87.5	25.48	86.9	26.25
	-3.0	-4.0	94.6	23.04	94.0	23.81	93.4	24.56	93.2	24.96	92.9	25.33	92.3	26.10	91.8	26.85
	-1.0	-2.0	99.7	23.64	99.1	24.41	98.6	25.16	98.3	25.56	98.0	25.94	97.4	26.71	96.8	27.48
	0.0	-1.0	102.5	23.93	101.9	24.70	101.1	25.47	100.8	25.87	100.5	26.25	100.0	27.02	99.4	27.80
	2.0	1.0	107.9	24.53	107.1	25.30	106.5	26.08	106.2	26.48	105.7	26.87	105.1	27.65	104.3	28.43
	5.0	4.0	116.1	25.42	115.3	26.21	114.7	26.99	114.2	27.39	113.9	27.79	113.0	28.59	110.7	28.74
	7.0	6.0	121.5	26.02	120.6	26.82	119.8	27.62	119.3	28.02	118.7	28.42	117.9	29.22	110.7	27.51
	9.0	7.8	126.1	26.56	125.2	27.38	124.3	28.19	123.8	28.59	123.3	28.99	119.8	28.82	110.7	26.45
	12.0	10.6	133.4	27.44	132.3	28.25	131.4	29.07	130.9	29.48	129.2	29.40	119.8	27.14	110.7	24.94
	15.0	13.5	140.8	28.33	139.9	29.16	138.3	29.83	133.7	28.75	129.2	27.68	119.8	25.57	110.7	23.51
127.8 (120%)	-19.3	-20.0	55.4	18.76	55.4	19.47	55.1	20.18	55.1	20.53	54.9	20.88	54.8	21.59	54.6	22.30
	-15.0	-16.0	64.5	19.98	64.3	20.70	64.2	21.42	63.9	21.79	63.9	22.16	63.6	22.87	63.4	23.59
	-12.0	-13.0	71.6	20.90	71.3	21.64	71.0	22.36	71.0	22.73	70.7	23.10	70.5	23.82	70.2	24.56
	-9.0	-10.0	79.0	21.84	78.7	22.56	78.1	23.31	78.1	23.68	77.8	24.05	77.5	24.79	77.0	25.54
	-7.0	-8.0	84.0	22.45	83.5	23.19	83.0	23.94	82.9	24.31	82.7	24.70	82.1	25.45	81.8	26.19
	-5.0	-6.0	88.9	23.07	88.6	23.82	88.0	24.59	87.8	24.96	87.5	25.33	87.0	26.08	86.6	26.85
	-3.0	-4.0	94.0	23.70	93.5	24.45	93.1	25.22	92.8	25.59	92.6	25.99	92.0	26.74	91.4	27.51
	-1.0	-2.0	99.4	24.33	98.6	25.10	98.0	25.87	97.7	26.25	97.4	26.62	96.9	27.40	96.3	28.17
	0.0	-1.0	101.9	24.64	101.3	25.42	100.6	26.19	100.3	26.57	100.0	26.96	99.4	27.73	98.8	28.51
	2.0	1.0	107.1	25.28	106.5	26.05	105.7	26.84	105.4	27.22	105.1	27.62	104.3	28.39	101.6	28.27
	5.0	4.0	115.3	26.24	114.7	27.02	113.9	27.82	113.3	28.22	113.0	28.62	110.7	28.74	102.2	26.42
	7.0	6.0	120.4	26.90	119.6	27.68	118.7	28.48	118.4	28.88	117.9	29.28	110.7	27.51	102.2	25.28
	9.0	7.8	125.0	27.48	124.1	28.28	123.2	29.08	122.7	29.48	119.2	28.62	110.7	26.45	102.2	24.33
	12.0	10.6	132.3	28.41	131.2	29.22	127.8	29.05	123.3	28.00	119.2	26.97	110.7	24.94	102.2	22.94
	15.0	13.5	139.6	29.36	136.3	29.32	127.8	27.35	123.3	26.37	119.2	25.40	110.7	23.51	102.2	21.62
117.2 (110%)	-19.3	-20.0	55.4	19.19	55.2	19.90	55.1	20.61	54.9	20.96	54.9	21.31	54.6	22.02	54.6	22.73
	-15.0	-16.0	64.5	20.50	64.2	21.21	63.9	21.93	63.7	22.30	63.7	22.65	63.4	23.37	63.1	24.08
	-12.0	-13.0	71.3	21.47	71.1	22.21	70.8	22.93	70.7	23.30	70.5	23.65	70.2	24.39	69.9	25.11
	-9.0	-10.0	78.7	22.47	78.4	23.19	77.9	23.93	77.6	24.31	77.5	24.68	77.0	25.42	76.7	26.16
	-7.0	-8.0	83.5	23.13	83.2	23.87	82.7	24.62	82.4	24.99	82.1	25.36	81.8	26.11	81.3	26.85
	-5.0	-6.0	88.6	23.79	88.0	24.54	87.5	25.30	87.2	25.68	87.0	26.05	86.6	26.80	86.1	27.54
	-3.0	-4.0	93.5	24.47	93.1	25.22	92.6	25.99	92.3	26.36	92.0	26.74	91.4	27.49	90.9	28.25
	-1.0	-2.0	98.6	25.14	98.0	25.91	97.4	26.68	97.1	27.05	96.9	27.43	96.3	28.20	92.6	27.66
	0.0	-1.0	101.1	25.48	100.5	26.25	100.0	27.02	99.7	27.40	99.4	27.79	98.6	28.54	92.8	27.01
	2.0	1.0	106.4	26.16	105.7	26.94	105.1	27.71	104.6	28.11	104.3	28.48	100.8	28.05	93.1	25.81
	5.0	4.0	114.4	27.22	113.6	27.99	112.8	28.77	112.5	29.17	109.3	28.36	101.4	26.22	93.7	24.13
	7.0	6.0	119.3	27.91	118.5	28.70	117.0	29.19	113.0	28.16	109.3	27.13	101.4	25.10	93.7	23.10
	9.0	7.8	123.8	28.54	123.0	29.34	117.0	28.08	113.0	27.08	109.3	26.10	101.4	24.16	93.7	22.24
	12.0	10.6	130.9	29.54	124.9	28.35	117.0	26.46	113.0	25.54	109.3	24.60	101.4	22.77	93.7	20.96
	15.0	13.5	132.6	28.49	124.9	26.71	117.0	24.94	113.0	24.05	109.3	23.19	101.4	21.47	93.7	19.79

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ✳306LALH

● Capacity : 106.5 kW (34HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
106.5 (100%)	-19.3	**-20.0**	55.4	19.70	55.1	20.42	54.9	21.13	54.9	21.48	54.8	21.82	54.6	22.53	54.3	23.25
	-15.0	**-16.0**	64.2	21.10	63.9	21.82	63.7	22.53	63.6	22.90	63.4	23.25	63.1	23.97	62.9	24.68
	-12.0	**-13.0**	71.1	22.16	70.8	22.88	70.5	23.60	70.4	23.97	70.2	24.33	69.9	25.05	69.6	25.79
	-9.0	**-10.0**	78.2	23.22	77.9	23.96	77.5	24.68	77.3	25.05	77.0	25.42	76.7	26.16	76.2	26.89
	-7.0	**-8.0**	83.0	23.93	82.7	24.68	82.1	25.42	82.1	25.79	81.8	26.16	81.3	26.89	81.0	27.63
	-5.0	**-6.0**	88.0	24.65	87.5	25.39	87.0	26.14	86.7	26.51	86.4	26.88	86.1	27.63	83.8	27.60
	-3.0	**-4.0**	92.9	25.39	92.3	26.13	91.8	26.88	91.5	27.25	91.2	27.63	90.7	28.39	84.1	26.29
	-1.0	**-2.0**	98.0	26.11	97.4	26.88	96.6	27.62	96.3	28.00	96.0	28.39	91.2	27.23	84.3	25.06
	0.0	**-1.0**	100.3	26.48	99.7	27.25	99.1	28.00	98.8	28.37	98.5	28.73	91.4	26.58	84.3	24.47
	2.0	**1.0**	105.4	27.22	104.8	27.99	104.0	28.74	102.2	28.47	98.6	27.44	91.7	25.39	84.6	23.38
	5.0	**4.0**	113.3	28.34	112.5	29.11	106.5	27.56	102.8	26.61	99.4	25.64	92.1	23.75	85.2	21.87
	7.0	**6.0**	118.1	29.11	113.5	28.25	106.5	26.39	102.8	25.47	99.4	24.56	92.1	22.73	85.2	20.95
	9.0	**7.8**	120.7	28.99	113.5	27.17	106.5	25.39	102.8	24.50	99.4	23.62	92.1	21.88	85.2	20.18
	12.0	**10.6**	120.5	27.31	113.6	25.62	106.5	23.94	102.8	23.11	99.4	22.28	92.1	20.65	85.2	19.04
	15.0	**13.5**	120.7	25.74	113.6	24.14	106.5	22.56	102.8	21.77	99.4	20.99	92.1	19.47	85.2	17.96
95.9 (90%)	-19.3	**-20.0**	55.1	20.33	54.9	21.05	54.8	21.74	54.6	22.10	54.6	22.45	54.3	23.16	54.3	23.86
	-15.0	**-16.0**	63.9	21.84	63.7	22.56	63.4	23.28	63.4	23.62	63.1	23.99	62.9	24.71	62.6	25.40
	-12.0	**-13.0**	70.8	22.99	70.5	23.70	70.2	24.42	69.9	24.79	69.9	25.14	69.4	25.86	69.1	26.60
	-9.0	**-10.0**	77.8	24.13	77.3	24.85	77.0	25.59	76.7	25.96	76.7	26.31	76.2	27.05	75.2	27.42
	-7.0	**-8.0**	82.4	24.91	82.1	25.65	81.6	26.37	81.5	26.74	81.2	27.11	80.7	27.85	75.3	26.03
	-5.0	**-6.0**	87.2	25.68	86.9	26.42	86.4	27.17	86.1	27.54	85.8	27.91	81.8	26.88	75.5	24.77
	-3.0	**-4.0**	92.1	26.48	91.5	27.22	90.9	27.97	90.7	28.34	88.3	27.64	82.0	25.60	75.6	23.58
	-1.0	**-2.0**	96.9	27.28	96.3	28.02	94.8	28.32	91.7	27.32	88.6	26.35	82.1	24.41	75.8	22.49
	0.0	**-1.0**	99.4	27.68	98.8	28.43	94.9	27.66	91.7	26.70	88.6	25.75	82.3	23.86	75.8	21.98
	2.0	**1.0**	104.3	28.48	101.4	28.27	95.1	26.41	92.0	25.50	88.9	24.58	82.4	22.78	76.1	21.01
	5.0	**4.0**	108.5	28.16	102.2	26.42	95.7	24.70	92.6	23.84	89.4	22.99	82.9	21.32	76.6	19.67
	7.0	**6.0**	108.5	26.94	102.0	25.28	95.7	23.64	92.6	22.82	89.4	22.02	82.9	20.41	76.6	18.84
	9.0	**7.8**	108.5	25.93	102.2	24.33	95.7	22.76	92.6	21.96	89.4	21.19	82.9	19.67	76.6	18.15
	12.0	**10.6**	108.5	24.45	102.0	22.94	95.7	21.45	92.6	20.73	89.4	19.99	82.9	18.56	76.6	17.13
	15.0	**13.5**	108.5	23.02	102.2	21.62	95.7	20.24	92.6	19.56	89.4	18.87	82.9	17.50	76.6	16.18
85.2 (80%)	-19.3	**-20.0**	54.9	21.13	54.8	21.82	54.6	22.53	54.6	22.88	54.3	23.22	54.1	23.94	54.0	24.63
	-15.0	**-16.0**	63.6	22.76	63.4	23.46	63.1	24.17	63.1	24.54	62.8	24.88	62.6	25.60	62.3	26.31
	-12.0	**-13.0**	70.4	23.99	69.9	24.71	69.7	25.43	69.6	25.80	69.4	26.14	69.1	26.86	66.5	26.35
	-9.0	**-10.0**	77.3	25.25	76.7	25.97	76.4	26.71	76.2	27.06	75.9	27.43	72.4	26.37	66.7	24.31
	-7.0	**-8.0**	81.8	26.11	81.3	26.83	81.0	27.57	80.7	27.92	78.1	27.02	72.4	25.05	67.0	23.11
	-5.0	**-6.0**	86.4	26.97	86.1	27.69	83.8	27.60	81.0	26.65	78.3	25.71	72.7	23.83	67.0	21.97
	-3.0	**-4.0**	91.2	27.83	89.7	28.09	84.1	26.29	81.2	25.37	78.4	24.48	72.9	22.69	67.3	20.94
	-1.0	**-2.0**	95.4	28.55	90.0	26.78	84.3	25.06	81.5	24.20	78.7	23.35	73.0	21.66	67.3	19.98
	0.0	**-1.0**	95.7	27.87	90.0	26.18	84.3	24.47	81.5	23.64	78.7	22.81	73.0	21.15	67.5	19.54
	2.0	**1.0**	96.1	26.61	90.3	24.98	84.6	23.38	81.8	22.58	78.9	21.80	73.3	20.23	67.8	18.67
	5.0	**4.0**	96.5	24.88	90.8	23.36	85.2	21.87	82.3	21.13	79.5	20.41	73.8	18.93	68.1	17.49
	7.0	**6.0**	96.5	23.82	90.8	22.38	85.2	20.95	82.3	20.24	79.5	19.55	73.8	18.15	68.1	16.78
	9.0	**7.8**	96.5	22.93	90.8	21.53	85.2	20.18	82.3	19.50	79.5	18.81	73.8	17.47	68.1	16.15
	12.0	**10.6**	96.5	21.62	90.8	20.33	85.0	19.04	82.3	18.41	79.5	17.76	73.8	16.52	68.1	15.27
	15.0	**13.5**	96.5	20.39	90.8	19.16	85.0	17.96	82.3	17.36	79.5	16.76	73.8	15.58	68.1	14.43
74.6 (70%)	-19.3	**-20.0**	54.6	22.11	54.6	22.82	54.3	23.51	54.3	23.86	54.1	24.20	54.0	24.91	53.8	25.61
	-15.0	**-16.0**	63.1	23.91	62.9	24.63	62.6	25.32	62.6	25.69	62.3	26.03	62.2	26.75	57.9	25.06
	-12.0	**-13.0**	69.7	25.28	69.4	26.00	69.1	26.72	69.0	27.06	67.9	26.90	63.0	24.96	58.2	23.02
	-9.0	**-10.0**	76.4	26.68	75.9	27.40	73.0	26.64	70.7	25.73	68.1	24.82	63.3	23.04	58.5	21.27
	-7.0	**-8.0**	81.0	27.61	78.1	27.02	73.2	25.29	70.7	24.43	68.4	23.59	63.4	21.88	58.5	20.22
	-5.0	**-6.0**	83.2	27.37	78.3	25.71	73.3	24.06	71.0	23.25	68.4	22.43	63.6	20.83	58.7	19.25
	-3.0	**-4.0**	83.5	26.06	78.4	24.49	73.5	22.92	71.0	22.15	68.7	21.37	63.6	19.86	58.8	18.34
	-1.0	**-2.0**	83.5	24.84	78.7	23.35	73.8	21.86	71.3	21.12	68.7	20.40	63.9	18.95	59.0	17.52
	0.0	**-1.0**	83.7	24.27	78.7	22.81	73.8	21.37	71.3	20.66	69.0	19.94	63.9	18.52	59.0	17.12
	2.0	**1.0**	83.8	23.18	78.9	21.80	73.9	20.41	71.5	19.75	69.0	19.06	64.1	17.72	59.3	16.38
	5.0	**4.0**	84.3	21.69	79.5	20.41	74.4	19.12	71.9	18.49	69.5	17.86	64.5	16.60	59.6	15.35
	7.0	**6.0**	84.3	20.78	79.5	19.55	74.4	18.32	71.9	17.72	69.5	17.12	64.5	15.92	59.6	14.74
	9.0	**7.8**	84.3	20.01	79.5	18.81	74.4	17.64	71.9	17.07	69.5	16.49	64.5	15.35	59.6	14.20
	12.0	**10.6**	84.3	18.87	79.5	17.76	74.4	16.67	71.9	16.12	69.5	15.58	64.5	14.49	59.6	13.43
	15.0	**13.5**	84.3	17.81	79.5	16.76	74.4	15.73	71.9	15.23	69.5	14.72	64.5	13.70	59.6	12.69
63.9 (60%)	-19.3	**-20.0**	54.3	23.43	54.1	24.12	54.0	24.83	53.8	25.17	53.8	25.52	53.4	26.16	49.4	24.22
	-15.0	**-16.0**	62.6	25.43	62.3	26.15	62.0	26.80	60.0	25.95	57.9	25.06	53.9	23.26	49.7	21.49
	-12.0	**-13.0**	69.1	26.98	66.5	26.35	62.4	24.67	60.2	23.84	58.2	23.02	54.0	21.39	49.9	19.76
	-9.0	**-10.0**	71.0	25.85	66.7	24.31	62.5	22.79	60.5	22.02	58.5	21.27	54.2	19.76	50.0	18.28
	-7.0	**-8.0**	71.0	24.56	67.0	23.11	62.7	21.65	60.5	20.93	58.5	20.22	54.3	18.79	50.2	17.37
	-5.0	**-6.0**	71.3	23.37	67.0	21.97	62.8	20.60	60.8	19.91	58.7	19.25	54.5	17.89	50.3	16.56
	-3.0	**-4.0**	71.5	22.26	67.3	20.94	63.0	19.63	60.8	19.00	58.8	18.34	54.5	17.06	50.3	15.80
	-1.0	**-2.0**	71.6	21.23	67.3	19.98	63.1	18.74	61.1	18.14	59.0	17.52	54.8	16.31	50.5	15.09
	0.0	**-1.0**	71.6	20.75	67.5	19.54	63.3	18.32	61.1	17.72	59.0	17.12	54.8	15.94	50.5	14.77
	2.0	**1.0**	71.8	19.83	67.8	18.67	63.5	17.52	61.3	16.95	59.3	16.38	55.0	15.26	50.6	14.14
	5.0	**4.0**	72.4	18.58	68.1	17.49	63.9	16.43	61.6	15.89	59.6	15.35	55.3	14.31	51.1	13.26
	7.0	**6.0**	72.4	17.81	68.1	16.78	63.9	15.75	61.6	15.24	59.6	14.74	55.3	13.72	51.1	12.74
	9.0	**7.8**	72.4	17.15	68.1	16.15	63.9	15.18	61.6	14.69	59.6	14.20	55.3	13.23	51.1	12.29
	12.0	**10.6**	72.4	16.21	68.1	15.27	63.9	14.35	61.6	13.89	59.6	13.43	55.3	12.52	51.1	11.63
	15.0	**13.5**	72.4	15.30	67.9	14.43	63.9	13.55	61.6	13.12	59.6	12.69	55.3	11.86	51.1	11.00
53.3 (50%)	-19.3	**-20.0**	53.8	25.24	53.5	25.93	51.4	25.22	49.7	24.39	48.0	23.54	44.6	21.88	41.2	20.23
	-15.0	**-16.0**	58.7	25.35	55.1	23.86	51.7	22.38	50.0	21.63	48.3	20.90	44.9	19.44	41.4	17.98
	-12.0	**-13.0**	58.8	23.30	55.4	21.93	52.0	20.58	50.2	19.90	48.5	19.24	44.9	17.90	41.5	16.56
	-9.0	**-10.0**	59.1	21.51	55.6	20.25	52.2	19.02	50.3	18.39	48.6	17.79	45.1	16.56	41.7	15.33
	-7.0	**-8.0**	59.3	20.45	55.7	19.25	52.2	18.08	50.5	17.50	48.8	16.91	45.2	15.76	41.7	14.59
	-5.0	**-6.0**	59.4	19.48	55.9	18.34	52.3	17.22	50.6	16.68	48.8	16.11	45.4	15.02	41.8	13.91
	-3.0	**-4.0**	59.6	18.57	56.0	17.49	52.5	16.43	50.8	15.91	48.9	15.37	45.4	14.34	42.0	13.31
	-1.0	**-2.0**	59.6	17.72	56.2	16.71	52.6	15.69	50.8	15.20	49.1	14.69	45.7	13.71	42.0	12.71
	0.0	**-1.0**	59.7	17.32	56.2	16.34	52.6	15.34	50.9	14.86	49.1	14.37	45.7	13.40	42.0	12.45
	2.0	**1.0**	59.9	16.57	56.5	15.63	52.8	14.69	51.1	14.23	49.4	13.77	45.7	12.83	42.5	11.91
	5.0	**4.0**	60.2	15.54	56.8	14.66	53.1	13.78	51.4	13.35	49.7	12.92	46.0	12.06	42.6	11.20
	7.0	**6.0**	60.2	14.89	56.8	14.06	53.1	13.23	51.4	12.81	49.7	12.40	46.0	11.57	42.6	10.77
	9.0	**7.8**	60.2	14.37	56.8	13.55	53.1	12.77	51.4	12.37	49.7	11.97	46.0	11.17	42.6	10.40
	12.0	**10.6**	60.2	13.58	56.8	12.83	53.1	12.09	51.4	11.71	49.7	11.34	46.0	10.60	42.6	9.86
	15.0	**13.5**	60.2	12.84	56.8	12.14	53.1	11.43	51.4	11.09	49.7	10.74	46.0	10.03	42.6	9.34

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ✳324LALH

● Capacity : 112.5 kW (36HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
168.8 (150%)	-19.3	**-20.0**	58.8	18.84	58.8	19.59	58.5	20.34	58.5	20.70	58.2	21.06	58.2	21.81	57.9	22.56
	-15.0	**-16.0**	68.7	19.95	68.4	20.70	68.1	21.45	68.1	21.84	67.8	22.23	67.5	22.98	67.2	23.73
	-12.0	**-13.0**	76.2	20.76	75.9	21.54	75.6	22.29	75.3	22.68	75.3	23.07	75.0	23.85	74.7	24.60
	-9.0	**-10.0**	84.3	21.57	83.7	22.35	83.4	23.13	83.1	23.52	83.1	23.94	82.5	24.72	82.2	25.50
	-7.0	**-8.0**	89.7	22.14	89.1	22.92	88.8	23.70	88.5	24.09	88.2	24.48	87.6	25.29	87.3	26.07
	-5.0	**-6.0**	95.1	22.68	94.5	23.46	94.2	24.27	93.9	24.66	93.6	25.05	93.0	25.86	92.4	26.67
	-3.0	**-4.0**	100.8	23.22	100.2	24.03	99.6	24.84	99.3	25.23	99.0	25.62	98.4	26.43	97.8	27.24
	-1.0	**-2.0**	106.5	23.76	105.6	24.57	105.0	25.38	104.7	25.80	104.4	26.19	103.8	27.03	103.2	27.84
	0.0	**-1.0**	109.2	24.03	108.6	24.87	108.0	25.68	107.7	26.07	107.1	26.49	106.5	27.30	105.9	28.14
	2.0	**1.0**	114.9	24.60	114.3	25.41	113.7	26.25	113.1	26.64	112.8	27.06	112.2	27.90	111.3	28.71
	5.0	**4.0**	124.2	25.41	123.3	26.25	122.4	27.09	122.1	27.51	121.8	27.93	120.9	28.77	120.0	29.61
	7.0	**6.0**	129.9	25.98	129.0	26.82	128.1	27.66	127.5	28.08	127.2	28.50	126.3	29.37	125.4	30.21
	9.0	**7.8**	135.0	26.49	134.1	27.33	132.9	28.17	132.6	28.62	132.0	29.04	131.1	29.91	130.2	30.75
	12.0	**10.6**	143.1	27.27	141.9	28.14	141.0	29.01	140.4	29.43	139.8	29.85	138.6	30.72	135.0	30.63
	15.0	**13.5**	151.2	28.08	150.3	28.98	149.1	29.85	148.5	30.30	147.9	30.72	146.1	31.44	135.0	28.83
157.5 (140%)	-19.3	**-20.0**	58.8	19.11	58.5	19.86	58.5	20.61	58.2	20.97	58.2	21.36	57.9	22.11	57.9	22.83
	-15.0	**-16.0**	68.4	20.28	68.1	21.03	68.1	21.78	67.8	22.17	67.8	22.56	67.5	23.31	67.2	24.06
	-12.0	**-13.0**	76.2	21.15	75.9	21.90	75.3	22.68	75.3	23.07	75.0	23.46	74.7	24.21	74.4	24.99
	-9.0	**-10.0**	84.0	22.02	83.7	22.77	83.1	23.55	82.8	23.94	82.8	24.33	82.2	25.14	81.9	25.92
	-7.0	**-8.0**	89.4	22.59	88.8	23.37	88.5	24.15	88.2	24.54	87.9	24.93	87.6	25.74	87.0	26.52
	-5.0	**-6.0**	94.8	23.16	94.2	23.94	93.6	24.75	93.6	25.14	93.3	25.53	92.7	26.34	92.1	27.15
	-3.0	**-4.0**	100.2	23.73	99.6	24.54	99.3	25.35	99.0	25.74	98.7	26.13	98.1	26.94	97.5	27.75
	-1.0	**-2.0**	105.9	24.33	105.3	25.14	104.7	25.95	104.4	26.34	104.1	26.76	103.5	27.57	102.6	28.38
	0.0	**-1.0**	108.9	24.60	108.0	25.41	107.4	26.25	107.1	26.64	106.8	27.06	106.2	27.87	105.3	28.68
	2.0	**1.0**	114.6	25.20	113.7	26.01	113.1	26.85	112.8	27.24	112.2	27.66	111.6	28.47	110.7	29.31
	5.0	**4.0**	123.6	26.07	122.7	26.91	121.8	27.75	121.5	28.17	120.9	28.59	120.3	29.40	119.4	30.24
	7.0	**6.0**	129.0	26.67	128.1	27.51	127.2	28.35	126.9	28.77	126.3	29.19	125.4	30.03	124.5	30.87
	9.0	**7.8**	134.1	27.21	133.2	28.05	132.3	28.89	131.7	29.34	131.1	29.76	130.2	30.60	126.0	30.18
	12.0	**10.6**	141.9	28.05	141.0	28.92	139.8	29.76	139.5	30.21	138.9	30.63	136.5	30.99	126.0	28.44
	15.0	**13.5**	150.3	28.92	149.1	29.79	147.9	30.66	147.3	31.11	146.7	31.56	136.5	29.19	126.0	26.79
146.3 (130%)	-19.3	**-20.0**	58.8	19.44	58.5	20.19	58.2	20.94	58.2	21.30	58.2	21.69	57.9	22.44	57.6	23.16
	-15.0	**-16.0**	68.4	20.67	68.1	21.42	67.8	22.17	67.8	22.56	67.5	22.95	67.2	23.70	66.9	24.45
	-12.0	**-13.0**	75.9	21.57	75.6	22.35	75.3	23.10	75.0	23.49	75.0	23.88	74.7	24.66	74.1	25.41
	-9.0	**-10.0**	83.7	22.50	83.4	23.28	82.8	24.06	82.8	24.45	82.5	24.84	82.2	25.59	81.6	26.37
	-7.0	**-8.0**	89.1	23.10	88.5	23.88	88.2	24.66	87.9	25.08	87.6	25.47	87.3	26.25	86.7	27.03
	-5.0	**-6.0**	94.5	23.73	93.9	24.51	93.3	25.29	93.0	25.71	93.0	26.10	92.4	26.88	91.8	27.69
	-3.0	**-4.0**	99.9	24.33	99.3	25.14	98.7	25.92	98.4	26.34	98.1	26.73	97.5	27.54	96.9	28.32
	-1.0	**-2.0**	105.3	24.96	104.7	25.77	104.1	26.55	103.8	26.97	103.5	27.36	102.9	28.17	102.3	28.98
	0.0	**-1.0**	108.3	25.26	107.7	26.07	106.8	26.88	106.5	27.30	106.2	27.69	105.6	28.50	105.0	29.31
	2.0	**1.0**	114.0	25.89	113.1	26.70	112.5	27.51	112.2	27.93	111.6	28.35	111.0	29.16	110.1	29.97
	5.0	**4.0**	122.7	26.82	121.8	27.66	121.2	28.47	120.6	28.89	120.3	29.31	119.4	30.15	117.0	30.30
	7.0	**6.0**	128.4	27.45	127.5	28.29	126.6	29.13	126.0	29.55	125.4	29.97	124.5	30.81	117.0	29.01
	9.0	**7.8**	133.2	28.02	132.3	28.89	131.4	29.73	130.8	30.15	130.2	30.57	126.6	30.39	117.0	27.90
	12.0	**10.6**	141.0	28.95	139.8	29.79	138.9	30.66	138.3	31.08	136.5	30.99	126.6	28.62	117.0	26.31
	15.0	**13.5**	148.8	29.88	147.9	30.75	146.1	31.44	141.3	30.30	136.5	29.19	126.6	26.97	117.0	24.81
135.0 (120%)	-19.3	**-20.0**	58.5	19.83	58.5	20.58	58.2	21.33	58.2	21.69	57.9	22.05	57.9	22.80	57.6	23.55
	-15.0	**-16.0**	68.1	21.12	67.8	21.87	67.8	22.62	67.5	23.01	67.5	23.40	67.2	24.15	66.9	24.90
	-12.0	**-13.0**	75.6	22.08	75.3	22.86	75.0	23.61	75.0	24.00	74.7	24.39	74.4	25.14	74.1	25.92
	-9.0	**-10.0**	83.4	23.07	83.1	23.82	82.5	24.60	82.5	24.99	82.2	25.38	81.9	26.16	81.3	26.94
	-7.0	**-8.0**	88.8	23.70	88.2	24.48	87.6	25.26	87.6	25.65	87.3	26.07	86.7	26.85	86.4	27.63
	-5.0	**-6.0**	93.9	24.36	93.6	25.14	93.0	25.95	92.7	26.34	92.4	26.73	91.8	27.51	91.5	28.32
	-3.0	**-4.0**	99.3	25.02	98.7	25.80	98.4	26.61	98.1	27.00	97.8	27.42	97.2	28.20	96.6	29.01
	-1.0	**-2.0**	105.0	25.68	104.1	26.49	103.5	27.30	103.2	27.69	102.9	28.08	102.3	28.89	101.7	29.70
	0.0	**-1.0**	107.7	26.01	107.1	26.82	106.2	27.63	105.9	28.02	105.6	28.44	105.0	29.25	104.4	30.06
	2.0	**1.0**	113.1	26.67	112.5	27.48	111.6	28.32	111.3	28.71	111.0	29.13	110.1	29.94	107.4	29.82
	5.0	**4.0**	121.8	27.69	121.2	28.50	120.3	29.34	119.7	29.76	119.4	30.18	117.0	30.30	108.0	27.87
	7.0	**6.0**	127.2	28.38	126.3	29.19	125.4	30.03	125.1	30.45	124.5	30.87	117.0	29.01	108.0	26.67
	9.0	**7.8**	132.0	28.98	131.1	29.82	130.2	30.66	129.6	31.08	126.0	30.18	117.0	27.90	108.0	25.68
	12.0	**10.6**	139.8	29.97	138.6	30.81	135.0	30.63	130.2	29.52	126.0	28.44	117.0	26.31	108.0	24.21
	15.0	**13.5**	147.6	30.96	144.0	30.90	135.0	28.83	130.2	27.81	126.0	26.79	117.0	24.81	108.0	22.83
123.8 (110%)	-19.3	**-20.0**	58.5	20.28	58.2	21.03	58.2	21.78	57.9	22.14	57.9	22.50	57.6	23.25	57.6	24.00
	-15.0	**-16.0**	68.1	21.66	67.8	22.41	67.5	23.16	67.2	23.55	67.2	23.91	66.9	24.66	66.6	25.41
	-12.0	**-13.0**	75.3	22.68	75.0	23.46	74.7	24.21	74.7	24.60	74.4	24.96	74.1	25.74	73.8	26.49
	-9.0	**-10.0**	83.1	23.73	82.8	24.48	82.2	25.26	81.9	25.65	81.9	26.04	81.3	26.82	81.0	27.60
	-7.0	**-8.0**	88.2	24.42	87.9	25.20	87.3	25.98	87.0	26.37	86.7	26.76	86.4	27.54	85.8	28.32
	-5.0	**-6.0**	93.6	25.11	93.0	25.89	92.4	26.70	92.1	27.09	91.8	27.48	91.5	28.26	90.9	29.04
	-3.0	**-4.0**	98.7	25.83	98.4	26.61	97.8	27.42	97.5	27.81	97.2	28.20	96.6	28.98	96.0	29.79
	-1.0	**-2.0**	104.1	26.52	103.5	27.33	102.9	28.14	102.6	28.53	102.3	28.92	101.7	29.73	97.8	29.19
	0.0	**-1.0**	106.8	26.88	106.2	27.69	105.6	28.50	105.3	28.89	105.0	29.31	104.1	30.09	98.1	28.50
	2.0	**1.0**	112.5	27.60	111.6	28.41	111.0	29.22	110.4	29.64	110.1	30.03	106.5	29.58	98.4	27.24
	5.0	**4.0**	120.9	28.71	120.0	29.52	119.1	30.33	118.8	30.75	115.5	29.91	107.1	27.66	99.0	25.47
	7.0	**6.0**	126.0	29.43	125.1	30.27	123.6	30.78	119.4	29.70	115.5	28.62	107.1	26.49	99.0	24.39
	9.0	**7.8**	130.8	30.09	129.9	30.93	123.6	29.61	119.4	28.56	115.5	27.54	107.1	25.50	99.0	23.49
	12.0	**10.6**	138.3	31.14	132.0	29.88	123.6	27.90	119.4	26.94	115.5	25.95	107.1	24.03	99.0	22.14
	15.0	**13.5**	140.1	30.03	132.0	28.17	123.6	26.31	119.4	25.38	115.5	24.48	107.1	22.68	99.0	20.91

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ✳324LALH

● Capacity : 112.5 kW (36HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
112.5 (100%)	-19.3	-20.0	58.5	20.82	58.2	21.57	57.9	22.32	57.9	22.68	57.9	23.04	57.6	23.79	57.3	24.54
	-15.0	-16.0	67.8	22.29	67.5	23.04	67.2	23.79	67.2	24.18	66.9	24.54	66.6	25.29	66.3	26.04
	-12.0	-13.0	75.0	23.40	74.7	24.15	74.4	24.90	74.4	25.29	74.1	25.68	73.8	26.43	73.5	27.21
	-9.0	-10.0	82.5	24.51	82.2	25.29	81.9	26.04	81.6	26.43	81.3	26.82	81.0	27.60	80.4	28.35
	-7.0	-8.0	87.6	25.26	87.3	26.04	86.7	26.82	86.7	27.21	86.4	27.60	85.8	28.35	85.5	29.13
	-5.0	-6.0	93.0	26.01	92.4	26.79	91.8	27.57	91.5	27.96	91.2	28.35	90.9	29.13	88.5	29.13
	-3.0	-4.0	98.1	26.79	97.5	27.57	96.9	28.35	96.6	28.74	96.3	29.13	95.7	29.94	88.8	27.75
	-1.0	-2.0	103.5	27.54	102.9	28.35	102.0	29.13	101.7	29.52	101.4	29.94	96.3	28.74	89.1	26.46
	0.0	-1.0	105.9	27.93	105.3	28.74	104.7	29.52	104.4	29.91	104.1	30.30	96.6	28.05	89.1	25.83
	2.0	1.0	111.3	28.71	110.7	29.52	109.8	30.30	108.0	30.03	104.1	28.95	96.9	26.79	89.4	24.69
	5.0	4.0	119.7	29.88	118.8	30.69	112.5	29.07	108.6	28.08	105.0	27.06	97.2	25.08	90.0	23.10
	7.0	6.0	124.8	30.69	120.0	29.79	112.5	27.84	108.6	26.88	105.0	25.92	97.2	24.00	90.0	22.14
	9.0	7.8	127.5	30.57	120.0	28.65	112.5	26.79	108.6	25.86	105.0	24.93	97.2	23.10	90.0	21.33
	12.0	10.6	127.2	28.80	120.0	27.03	112.5	25.26	108.6	24.39	105.0	23.52	97.2	21.81	90.0	20.13
	15.0	13.5	127.5	27.15	120.0	25.47	112.5	23.82	108.6	22.98	105.0	22.17	97.2	20.58	90.0	18.99
101.3 (90%)	-19.3	-20.0	58.2	21.48	57.9	22.23	57.9	22.95	57.6	23.34	57.6	23.70	57.3	24.45	57.3	25.17
	-15.0	-16.0	67.5	23.07	67.2	23.82	66.9	24.57	66.9	24.93	66.6	25.32	66.3	26.07	66.0	26.79
	-12.0	-13.0	74.7	24.27	74.4	25.02	74.1	25.77	73.8	26.16	73.8	26.52	73.2	27.27	72.9	28.05
	-9.0	-10.0	82.2	25.47	81.6	26.22	81.3	27.00	81.0	27.39	81.0	27.75	80.4	28.53	79.5	28.95
	-7.0	-8.0	87.0	26.28	86.7	27.06	86.1	27.81	86.1	28.20	85.8	28.59	85.2	29.37	79.5	27.48
	-5.0	-6.0	92.1	27.09	91.8	27.87	91.2	28.65	90.9	29.04	90.6	29.43	86.4	28.38	79.8	26.16
	-3.0	-4.0	97.2	27.93	96.6	28.71	96.0	29.49	95.7	29.88	93.3	29.16	86.7	27.03	79.8	24.90
	-1.0	-2.0	102.3	28.77	101.7	29.55	100.2	29.88	96.9	28.83	93.6	27.81	86.7	25.77	80.1	23.76
	0.0	-1.0	105.0	29.19	104.4	29.97	100.2	29.19	96.9	28.17	93.6	27.18	87.0	25.20	80.1	23.22
	2.0	1.0	110.1	30.03	107.1	29.82	100.5	27.87	97.2	26.91	93.9	25.95	87.0	24.06	80.4	22.20
	5.0	4.0	114.6	29.70	108.0	27.87	101.1	26.07	97.8	25.17	94.5	24.27	87.6	22.53	81.0	20.79
	7.0	6.0	114.6	28.41	107.7	26.67	101.1	24.96	97.8	24.09	94.5	23.25	87.6	21.57	81.0	19.92
	9.0	7.8	114.6	27.36	108.0	25.68	101.1	24.03	97.8	23.19	94.5	22.38	87.6	20.79	81.0	19.20
	12.0	10.6	114.6	25.80	107.7	24.21	101.1	22.65	97.8	21.90	94.5	21.12	87.6	19.62	81.0	18.12
	15.0	13.5	114.6	24.30	108.0	22.83	101.1	21.39	97.8	20.67	94.5	19.95	87.6	18.51	81.0	17.13
90.0 (80%)	-19.3	-20.0	57.9	22.32	57.9	23.04	57.6	23.79	57.6	24.15	57.3	24.51	57.0	25.26	57.0	25.98
	-15.0	-16.0	67.2	24.03	66.9	24.75	66.6	25.50	66.6	25.89	66.3	26.25	66.0	27.00	65.7	27.75
	-12.0	-13.0	74.4	25.32	73.8	26.07	73.5	26.82	73.5	27.21	73.2	27.57	72.9	28.32	70.2	27.84
	-9.0	-10.0	81.6	26.64	81.0	27.39	80.7	28.17	80.4	28.53	80.1	28.92	76.5	27.84	70.5	25.68
	-7.0	-8.0	86.4	27.54	85.8	28.29	85.5	29.07	85.2	29.43	82.5	28.53	76.5	26.46	70.8	24.42
	-5.0	-6.0	91.2	28.44	90.9	29.19	88.5	29.13	85.5	28.14	82.8	27.15	76.8	25.17	70.8	23.22
	-3.0	-4.0	96.3	29.34	94.8	29.64	88.8	27.75	85.8	26.79	82.8	25.86	77.1	23.97	71.1	22.14
	-1.0	-2.0	100.8	30.12	95.1	28.26	89.1	26.46	86.1	25.56	83.1	24.66	77.1	22.89	71.1	21.12
	0.0	-1.0	101.1	29.40	95.1	27.63	89.1	25.83	86.1	24.96	83.1	24.09	77.1	22.35	71.4	20.67
	2.0	1.0	101.7	28.08	95.4	26.37	89.4	24.69	86.4	23.85	83.4	23.04	77.4	21.39	71.7	19.74
	5.0	4.0	102.0	26.25	96.0	24.66	90.0	23.10	87.0	22.32	84.0	21.57	78.0	20.01	72.0	18.51
	7.0	6.0	102.0	25.14	96.0	23.64	90.0	22.14	87.0	21.39	84.0	20.67	78.0	19.20	72.0	17.76
	9.0	7.8	102.0	24.21	96.0	22.74	90.0	21.33	87.0	20.61	84.0	19.89	78.0	18.48	72.0	17.10
	12.0	10.6	102.0	22.83	96.0	21.48	89.7	20.13	87.0	19.47	84.0	18.78	78.0	17.49	72.0	16.17
	15.0	13.5	102.0	21.54	96.0	20.25	89.7	18.99	87.0	18.36	84.0	17.73	78.0	16.50	72.0	15.30
78.8 (70%)	-19.3	-20.0	57.6	23.34	57.6	24.09	57.3	24.81	57.3	25.17	57.0	25.53	57.0	26.28	56.7	27.00
	-15.0	-16.0	66.6	25.23	66.3	25.98	66.0	26.70	66.0	27.09	65.7	27.45	65.7	28.20	61.2	26.49
	-12.0	-13.0	73.5	26.67	73.2	27.42	72.9	28.17	72.9	28.53	71.7	28.41	66.6	26.37	61.5	24.33
	-9.0	-10.0	80.7	28.14	80.1	28.89	77.1	28.14	74.7	27.18	72.0	26.22	66.9	24.36	61.8	22.50
	-7.0	-8.0	85.5	29.10	82.5	28.53	77.4	26.70	74.7	25.80	72.3	24.93	66.9	23.13	61.8	21.39
	-5.0	-6.0	87.9	28.89	82.8	27.15	77.4	25.41	75.0	24.57	72.3	23.70	67.2	22.02	62.1	20.37
	-3.0	-4.0	88.2	27.51	82.8	25.86	77.7	24.21	75.0	23.40	72.6	22.59	67.2	21.00	62.1	19.41
	-1.0	-2.0	88.2	26.22	83.1	24.66	78.0	23.10	75.3	22.32	72.6	21.57	67.5	20.04	62.4	18.54
	0.0	-1.0	88.5	25.62	83.1	24.09	78.0	22.59	75.3	21.84	72.9	21.09	67.5	19.59	62.4	18.12
	2.0	1.0	88.5	24.48	83.4	23.04	78.0	21.57	75.6	20.88	72.9	20.16	67.8	18.75	62.7	17.34
	5.0	4.0	89.1	22.92	84.0	21.57	78.6	20.22	75.9	19.56	73.5	18.90	68.1	17.58	63.0	16.26
	7.0	6.0	89.1	21.96	84.0	20.67	78.6	19.38	75.9	18.75	73.5	18.12	68.1	16.86	63.0	15.63
	9.0	7.8	89.1	21.15	84.0	19.89	78.6	18.66	75.9	18.06	73.5	17.46	68.1	16.26	63.0	15.06
	12.0	10.6	89.1	19.95	84.0	18.78	78.6	17.64	75.9	17.07	73.5	16.50	68.1	15.36	63.0	14.25
	15.0	13.5	89.1	18.84	84.0	17.73	78.6	16.65	75.9	16.14	73.5	15.60	68.1	14.52	63.0	13.47
67.5 (60%)	-19.3	-20.0	57.3	24.72	57.0	25.44	57.0	26.19	56.7	26.55	56.7	26.91	56.4	27.63	52.2	25.62
	-15.0	-16.0	66.0	26.82	65.7	27.57	65.4	28.29	63.3	27.42	61.2	26.49	57.0	24.60	52.5	22.74
	-12.0	-13.0	72.9	28.44	70.2	27.84	66.0	26.07	63.6	25.20	61.5	24.33	57.0	22.62	52.8	20.91
	-9.0	-10.0	75.0	27.30	70.5	25.68	66.0	24.09	63.9	23.28	61.8	22.50	57.3	20.91	52.8	19.35
	-7.0	-8.0	75.0	25.95	70.8	24.42	66.3	22.89	63.9	22.14	61.8	21.39	57.3	19.89	53.1	18.39
	-5.0	-6.0	75.3	24.69	70.8	23.22	66.3	21.78	64.2	21.06	62.1	20.37	57.6	18.93	53.1	17.55
	-3.0	-4.0	75.6	23.52	71.1	22.14	66.6	20.76	64.2	20.10	62.1	19.41	57.6	18.06	53.1	16.74
	-1.0	-2.0	75.6	22.44	71.1	21.12	66.6	19.83	64.5	19.20	62.4	18.54	57.9	17.28	53.4	15.99
	0.0	-1.0	75.6	21.93	71.4	20.67	66.9	19.38	64.5	18.75	62.4	18.12	57.9	16.89	53.4	15.66
	2.0	1.0	75.9	20.97	71.7	19.74	67.2	18.54	64.8	17.94	62.7	17.34	58.2	16.17	53.4	15.00
	5.0	4.0	76.5	19.65	72.0	18.51	67.5	17.40	65.1	16.83	63.0	16.26	58.5	15.18	54.0	14.07
	7.0	6.0	76.5	18.84	72.0	17.76	67.5	16.68	65.1	16.14	63.0	15.63	58.5	14.55	54.0	13.53
	9.0	7.8	76.5	18.15	72.0	17.10	67.5	16.08	65.1	15.57	63.0	15.06	58.5	14.04	54.0	13.05
	12.0	10.6	76.5	17.16	72.0	16.17	67.5	15.21	65.1	14.73	63.0	14.25	58.5	13.29	54.0	12.36
	15.0	13.5	76.5	16.20	71.7	15.30	67.5	14.37	65.1	13.92	63.0	13.47	58.5	12.60	54.0	11.70
56.3 (50%)	-19.3	-20.0	56.7	26.61	56.4	27.33	54.3	26.67	52.5	25.80	50.7	24.90	47.1	23.16	43.5	21.42
	-15.0	-16.0	62.1	26.79	58.2	25.23	54.6	23.67	52.8	22.89	51.0	22.11	47.4	20.58	43.8	19.05
	-12.0	-13.0	62.1	24.63	58.5	23.19	54.9	21.78	53.1	21.06	51.3	20.37	47.4	18.96	43.8	17.55
	-9.0	-10.0	62.4	22.74	58.8	21.42	55.2	20.13	53.1	19.47	51.3	18.84	47.7	17.55	44.1	16.26
	-7.0	-8.0	62.7	21.63	58.8	20.37	55.2	19.14	53.4	18.54	51.6	17.91	47.7	16.71	44.1	15.48
	-5.0	-6.0	62.7	20.61	59.1	19.41	55.2	18.24	53.4	17.67	51.6	17.07	48.0	15.93	44.1	14.76
	-3.0	-4.0	63.0	19.65	59.1	18.51	55.5	17.40	53.7	16.86	51.6	16.29	48.0	15.21	44.4	14.13
	-1.0	-2.0	63.0	18.75	59.4	17.70	55.5	16.62	53.7	16.11	51.9	15.57	48.3	14.55	44.4	13.50
	0.0	-1.0	63.0	18.33	59.4	17.31	55.5	16.26	53.7	15.75	51.9	15.24	48.3	14.22	44.4	13.23
	2.0	1.0	63.3	17.55	59.7	16.56	55.8	15.57	54.0	15.09	52.2	14.61	48.3	13.62	45.0	12.66
	5.0	4.0	63.6	16.47	60.0	15.54	56.1	14.61	54.3	14.16	52.5	13.71	48.6	12.81	45.0	11.91
	7.0	6.0	63.6	15.78	60.0	14.91	56.1	14.04	54.3	13.59	52.5	13.17	48.6	12.30	45.0	11.46
	9.0	7.8	63.6	15.24	60.0	14.37	56.1	13.56	54.3	13.14	52.5	12.72	48.6	11.88	45.0	11.07
	12.0	10.6	63.6	14.40	60.0	13.62	56.1	12.84	54.3	12.45	52.5	12.06	48.6	11.28	45.0	10.50
	15.0	13.5	63.6	13.62	60.0	12.90	56.1	12.15	54.3	11.79	52.5	11.43	48.6	10.68	45.0	9.96

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ✳342LALH

● Capacity : 120.0 kW (38HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
180.0 (150%)	-19.3	-20.0	62.8	20.31	62.7	21.12	62.5	21.92	62.4	22.32	62.2	22.71	62.1	23.52	61.9	24.33
	-15.0	-16.0	73.3	21.50	73.0	22.31	72.7	23.13	72.6	23.54	72.4	23.96	72.1	24.77	71.8	25.59
	-12.0	-13.0	81.3	22.38	81.0	23.22	80.7	24.03	80.4	24.45	80.4	24.87	80.0	25.71	79.7	26.53
	-9.0	-10.0	89.9	23.25	89.3	24.10	89.0	24.94	88.7	25.36	88.6	25.80	88.1	26.64	87.7	27.49
	-7.0	-8.0	95.6	23.86	95.1	24.70	94.7	25.55	94.4	25.97	94.1	26.40	93.5	27.26	93.2	28.11
	-5.0	-6.0	101.4	24.44	100.8	25.29	100.4	26.16	100.1	26.58	99.8	27.01	99.2	27.88	98.6	28.75
	-3.0	-4.0	107.5	25.03	106.8	25.90	106.2	26.77	105.9	27.20	105.6	27.62	105.0	28.50	104.4	29.37
	-1.0	-2.0	113.5	25.61	112.7	26.49	112.0	27.36	111.7	27.81	111.4	28.24	110.7	29.13	110.1	30.01
	0.0	-1.0	116.5	25.90	115.8	26.80	115.2	27.68	114.8	28.11	114.3	28.55	113.6	29.43	113.0	30.33
	2.0	1.0	122.6	26.51	121.9	27.39	121.2	28.29	120.7	28.72	120.3	29.17	119.7	30.07	118.8	30.95
	5.0	4.0	132.4	27.39	131.5	28.29	130.6	29.20	130.2	29.65	129.8	30.11	128.9	31.01	128.0	31.92
	7.0	6.0	138.5	28.00	137.5	28.90	136.6	29.81	136.0	30.27	135.6	30.72	134.7	31.65	133.7	32.56
	9.0	7.8	143.9	28.54	142.9	29.45	141.8	30.37	141.4	30.84	140.8	31.30	139.8	32.23	138.8	33.15
	12.0	10.6	152.5	29.38	151.3	30.32	150.3	31.26	149.7	31.72	149.1	32.18	147.8	33.12	144.0	33.02
	15.0	13.5	161.2	30.26	160.2	31.22	158.9	32.17	158.3	32.65	157.7	33.11	155.9	33.90	144.0	31.10
168.0 (140%)	-19.3	-20.0	62.8	20.61	62.5	21.41	62.4	22.22	62.2	22.61	62.2	23.03	61.9	23.84	61.8	24.62
	-15.0	-16.0	73.0	21.86	72.8	22.67	72.7	23.49	72.4	23.90	72.4	24.32	72.1	25.13	71.8	25.95
	-12.0	-13.0	81.3	22.80	81.0	23.61	80.4	24.45	80.4	24.87	80.1	25.29	79.8	26.11	79.5	26.94
	-9.0	-10.0	89.6	23.73	89.3	24.55	88.7	25.39	88.4	25.81	88.3	26.24	87.8	27.10	87.4	27.94
	-7.0	-8.0	95.3	24.35	94.8	25.19	94.4	26.04	94.1	26.46	93.8	26.88	93.4	27.75	92.9	28.59
	-5.0	-6.0	101.1	24.96	100.5	25.81	99.9	26.68	99.8	27.10	99.5	27.53	98.9	28.40	98.3	29.26
	-3.0	-4.0	106.9	25.58	106.3	26.45	105.9	27.32	105.6	27.75	105.3	28.17	104.6	29.05	104.0	29.92
	-1.0	-2.0	113.0	26.22	112.3	27.09	111.7	27.97	111.4	28.39	111.0	28.84	110.4	29.72	109.5	30.59
	0.0	-1.0	116.1	26.52	115.2	27.39	114.6	28.29	114.3	28.72	113.9	29.17	113.3	30.04	112.4	30.92
	2.0	1.0	122.2	27.16	121.3	28.04	120.6	28.94	120.3	29.37	119.7	29.82	119.0	30.70	118.2	31.60
	5.0	4.0	131.8	28.10	130.8	29.00	129.9	29.91	129.6	30.36	129.0	30.81	128.3	31.70	127.3	32.60
	7.0	6.0	137.6	28.74	136.6	29.65	135.7	30.56	135.3	31.01	134.7	31.47	133.8	32.37	132.8	33.28
	9.0	7.8	143.0	29.32	142.0	30.23	141.1	31.14	140.5	31.62	139.9	32.07	138.9	32.99	134.3	32.54
	12.0	10.6	151.3	30.23	150.3	31.16	149.1	32.08	148.7	32.56	148.1	33.01	145.6	33.41	134.3	30.67
	15.0	13.5	160.2	31.17	158.9	32.11	157.7	33.05	157.1	33.53	156.4	34.01	145.6	31.48	134.3	28.90
156.0 (130%)	-19.3	-20.0	62.8	20.96	62.5	21.77	62.2	22.58	62.2	22.97	62.2	23.38	61.9	24.19	61.6	24.98
	-15.0	-16.0	73.0	22.28	72.7	23.10	72.4	23.91	72.4	24.32	72.1	24.74	71.8	25.55	71.5	26.36
	-12.0	-13.0	81.0	23.26	80.7	24.09	80.4	24.91	80.1	25.33	80.0	25.75	79.7	26.58	79.2	27.40
	-9.0	-10.0	89.3	24.25	89.0	25.09	88.4	25.93	88.3	26.35	88.0	26.77	87.7	27.60	87.1	28.44
	-7.0	-8.0	95.0	24.90	94.5	25.75	94.1	26.59	93.8	27.03	93.5	27.45	93.1	28.30	92.5	29.14
	-5.0	-6.0	100.8	25.57	100.2	26.42	99.6	27.27	99.3	27.71	99.2	28.13	98.6	28.98	98.0	29.85
	-3.0	-4.0	106.6	26.23	105.9	27.10	105.3	27.95	105.0	28.39	104.7	28.82	104.1	29.69	103.5	30.54
	-1.0	-2.0	112.4	26.90	111.7	27.77	111.1	28.63	110.8	29.07	110.4	29.50	109.8	30.37	109.1	31.25
	0.0	-1.0	115.5	27.23	114.8	28.10	114.0	28.98	113.7	29.42	113.3	29.85	112.7	30.73	112.0	31.60
	2.0	1.0	121.5	27.90	120.7	28.78	120.0	29.66	119.6	30.11	119.1	30.56	118.4	31.43	117.5	32.31
	5.0	4.0	130.9	28.91	129.9	29.81	129.2	30.69	128.7	31.14	128.3	31.60	127.4	32.50	124.8	32.66
	7.0	6.0	136.9	29.59	135.9	30.49	135.0	31.40	134.4	31.85	133.8	32.31	132.9	33.21	124.8	31.27
	9.0	7.8	142.0	30.20	141.1	31.13	140.1	32.04	139.5	32.50	138.9	32.95	135.1	32.76	124.8	30.08
	12.0	10.6	150.3	31.19	149.1	32.11	148.1	33.04	147.5	33.50	145.6	33.41	135.1	30.86	124.8	28.37
	15.0	13.5	158.7	32.20	157.6	33.14	155.9	33.90	150.7	32.68	145.6	31.48	135.1	29.09	124.8	26.75
144.0 (120%)	-19.3	-20.0	62.5	21.38	62.5	22.19	62.2	23.00	62.1	23.39	61.9	23.78	61.8	24.59	61.6	25.39
	-15.0	-16.0	72.7	22.77	72.4	23.58	72.3	24.39	72.1	24.81	72.0	25.23	71.7	26.04	71.4	26.85
	-12.0	-13.0	80.7	23.81	80.4	24.64	80.1	25.46	80.0	25.88	79.8	26.29	79.4	27.11	79.1	27.95
	-9.0	-10.0	89.0	24.86	88.6	25.68	88.1	26.52	88.0	26.94	87.7	27.37	87.4	28.21	86.8	29.05
	-7.0	-8.0	94.7	25.55	94.1	26.39	93.5	27.24	93.5	27.66	93.2	28.10	92.6	28.94	92.2	29.79
	-5.0	-6.0	100.2	26.26	99.8	27.11	99.2	27.97	98.9	28.39	98.6	28.82	98.0	29.66	97.6	30.53
	-3.0	-4.0	106.0	26.97	105.4	27.82	104.9	28.69	104.6	29.11	104.3	29.56	103.7	30.41	103.1	31.27
	-1.0	-2.0	112.0	27.68	111.1	28.55	110.5	29.42	110.1	29.85	109.8	30.28	109.2	31.15	108.5	32.02
	0.0	-1.0	114.9	28.04	114.2	28.91	113.3	29.78	113.0	30.21	112.7	30.66	112.0	31.53	111.4	32.40
	2.0	1.0	120.7	28.75	120.0	29.63	119.1	30.52	118.8	30.95	118.4	31.40	117.5	32.28	114.5	32.13
	5.0	4.0	129.9	29.85	129.2	30.73	128.3	31.63	127.7	32.08	127.4	32.53	124.8	32.66	115.2	30.04
	7.0	6.0	135.7	30.58	134.7	31.47	133.8	32.37	133.4	32.82	132.8	33.28	124.8	31.27	115.2	28.75
	9.0	7.8	140.8	31.24	139.8	32.14	138.9	33.05	138.3	33.50	134.4	32.54	124.8	30.08	115.2	27.68
	12.0	10.6	149.0	32.29	147.8	33.21	144.0	33.02	139.0	31.84	134.4	30.67	124.8	28.37	115.2	26.11
	15.0	13.5	157.3	33.37	153.6	33.33	144.0	31.10	139.0	29.99	134.4	28.90	124.8	26.75	115.2	24.62
132.0 (110%)	-19.3	-20.0	62.5	21.87	62.2	22.68	62.1	23.48	61.9	23.87	61.9	24.27	61.6	25.07	61.5	25.88
	-15.0	-16.0	72.7	23.35	72.4	24.16	72.1	24.97	71.8	25.39	71.8	25.78	71.5	26.59	71.2	27.41
	-12.0	-13.0	80.4	24.45	80.1	25.29	79.8	26.10	79.7	26.52	79.5	26.92	79.1	27.75	78.8	28.57
	-9.0	-10.0	88.7	25.58	88.3	26.40	87.8	27.24	87.5	27.66	87.4	28.08	86.8	28.92	86.5	29.76
	-7.0	-8.0	94.1	26.32	93.8	27.17	93.2	28.01	92.9	28.43	92.6	28.85	92.2	29.69	91.7	30.53
	-5.0	-6.0	99.8	27.07	99.2	27.92	98.6	28.78	98.3	29.20	98.0	29.63	97.6	30.47	97.0	31.32
	-3.0	-4.0	105.4	27.84	104.9	28.69	104.3	29.56	104.0	29.98	103.7	30.40	103.1	31.25	102.4	32.12
	-1.0	-2.0	111.1	28.59	110.5	29.46	109.8	30.33	109.5	30.76	109.2	31.18	108.5	32.05	104.4	31.44
	0.0	-1.0	114.0	28.98	113.3	29.85	112.7	30.72	112.3	31.15	112.0	31.59	111.1	32.45	104.6	30.71
	2.0	1.0	119.9	29.75	119.1	30.63	118.4	31.50	117.8	31.95	117.5	32.38	113.6	31.88	104.9	29.35
	5.0	4.0	128.9	30.94	128.0	31.82	127.1	32.70	126.7	33.15	123.2	32.23	114.3	29.81	105.6	27.45
	7.0	6.0	134.4	31.72	133.5	32.62	131.9	33.18	127.4	32.01	123.2	30.85	114.3	28.55	105.6	26.29
	9.0	7.8	139.5	32.44	138.6	33.34	131.9	31.92	127.4	30.79	123.2	29.69	114.3	27.49	105.6	25.32
	12.0	10.6	147.4	33.56	140.8	32.22	131.9	30.09	127.4	29.05	123.2	27.99	114.3	25.92	105.6	23.88
	15.0	13.5	149.4	32.39	140.8	30.37	131.9	28.37	127.4	27.37	123.2	26.40	114.3	24.46	105.6	22.55

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ✳342LALH

● Capacity : 120.0 kW (38HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120.0 (100%)	-19.3	**-20.0**	62.4	22.45	62.2	23.26	61.9	24.06	61.9	24.46	61.8	24.85	61.5	25.66	61.3	26.46
	-15.0	**-16.0**	72.4	24.03	72.1	24.84	71.8	25.65	71.7	26.07	71.5	26.46	71.2	27.27	70.9	28.09
	-12.0	**-13.0**	80.1	25.23	79.8	26.04	79.5	26.86	79.4	27.27	79.1	27.69	78.8	28.50	78.5	29.34
	-9.0	**-10.0**	88.1	26.43	87.8	27.26	87.4	28.08	87.1	28.50	86.8	28.92	86.5	29.76	85.9	30.57
	-7.0	**-8.0**	93.5	27.23	93.2	28.07	92.6	28.91	92.5	29.33	92.2	29.75	91.6	30.57	91.3	31.42
	-5.0	**-6.0**	99.2	28.04	98.6	28.89	98.0	29.73	97.7	30.15	97.4	30.57	97.0	31.42	94.5	31.37
	-3.0	**-4.0**	104.7	28.88	104.1	29.72	103.5	30.57	103.1	30.99	102.8	31.41	102.2	32.28	94.7	29.88
	-1.0	**-2.0**	110.4	29.69	109.7	30.56	108.9	31.41	108.6	31.83	108.3	32.27	102.8	30.95	95.0	28.50
	0.0	**-1.0**	113.0	30.11	112.4	30.98	111.7	31.83	111.4	32.25	111.0	32.65	103.0	30.22	95.1	27.83
	2.0	**1.0**	118.8	30.95	118.1	31.82	117.2	32.67	115.2	32.36	111.1	31.19	103.3	28.87	95.3	26.61
	5.0	**4.0**	127.7	32.21	126.8	33.09	120.0	31.34	115.9	30.26	112.0	29.17	103.8	27.03	96.0	24.90
	7.0	**6.0**	133.1	33.08	128.0	32.11	120.0	30.01	115.9	28.97	112.0	27.94	103.8	25.88	96.0	23.86
	9.0	**7.8**	136.0	32.95	128.0	30.89	120.0	28.88	115.9	27.88	112.0	26.88	103.8	24.91	96.0	22.99
	12.0	**10.6**	135.8	31.06	128.0	29.14	120.0	27.24	115.9	26.30	112.0	25.36	103.8	23.52	96.0	21.70
	15.0	**13.5**	136.0	29.28	128.0	27.47	120.0	25.69	115.9	24.79	112.0	23.92	103.8	22.19	96.0	20.48
108.0 (90%)	-19.3	**-20.0**	62.2	23.17	61.9	23.97	61.8	24.76	61.6	25.17	61.6	25.56	61.3	26.37	61.2	27.15
	-15.0	**-16.0**	72.1	24.87	71.8	25.68	71.5	26.49	71.4	26.89	71.2	27.30	70.9	28.11	70.6	28.90
	-12.0	**-13.0**	79.8	26.16	79.4	26.98	79.1	27.79	78.9	28.21	78.8	28.60	78.3	29.41	77.9	30.25
	-9.0	**-10.0**	87.7	27.46	87.2	28.28	86.8	29.11	86.5	29.53	86.5	29.93	85.9	30.77	84.8	31.16
	-7.0	**-8.0**	92.9	28.33	92.5	29.17	92.0	29.99	91.9	30.41	91.6	30.83	91.0	31.67	84.8	29.59
	-5.0	**-6.0**	98.3	29.21	97.9	30.05	97.3	30.89	97.0	31.31	96.7	31.73	92.2	30.56	85.1	28.17
	-3.0	**-4.0**	103.8	30.11	103.1	30.95	102.5	31.80	102.2	32.22	99.5	31.41	92.4	29.11	85.2	26.83
	-1.0	**-2.0**	109.2	31.01	108.6	31.86	106.9	32.18	103.3	31.06	99.8	29.96	92.5	27.76	85.5	25.60
	0.0	**-1.0**	112.0	31.47	111.4	32.31	106.9	31.44	103.4	30.35	99.8	29.28	92.8	27.14	85.5	25.02
	2.0	**1.0**	117.5	32.37	114.3	32.13	107.2	30.03	103.7	29.00	100.1	27.96	92.8	25.93	85.8	23.92
	5.0	**4.0**	122.3	32.01	115.2	30.04	107.9	28.10	104.3	27.13	100.8	26.16	93.5	24.28	86.4	22.41
	7.0	**6.0**	122.3	30.63	115.0	28.75	107.9	26.90	104.3	25.97	100.8	25.07	93.5	23.26	86.4	21.48
	9.0	**7.8**	122.3	29.49	115.2	27.68	107.9	25.90	104.3	25.01	100.8	24.13	93.5	22.41	86.4	20.70
	12.0	**10.6**	122.3	27.81	115.0	26.11	107.9	24.43	104.3	23.61	100.8	22.78	93.5	21.16	86.4	19.54
	15.0	**13.5**	122.3	26.21	115.2	24.62	107.9	23.06	104.3	22.29	100.8	21.51	93.5	19.97	86.4	18.47
96.0 (80%)	-19.3	**-20.0**	61.9	24.07	61.8	24.85	61.5	25.65	61.5	26.05	61.3	26.44	61.0	27.24	60.9	28.02
	-15.0	**-16.0**	71.8	25.91	71.5	26.70	71.2	27.51	71.1	27.92	70.9	28.31	70.6	29.12	70.2	29.93
	-12.0	**-13.0**	79.4	27.31	78.9	28.12	78.5	28.93	78.5	29.34	78.2	29.74	77.9	30.55	74.9	29.95
	-9.0	**-10.0**	87.1	28.73	86.5	29.54	86.2	30.38	85.9	30.77	85.6	31.19	81.6	29.97	75.2	27.64
	-7.0	**-8.0**	92.2	29.69	91.7	30.51	91.3	31.35	91.0	31.74	88.0	30.72	81.6	28.49	75.5	26.29
	-5.0	**-6.0**	97.4	30.66	97.0	31.48	94.5	31.37	91.3	30.30	88.3	29.23	81.9	27.11	75.6	25.01
	-3.0	**-4.0**	102.8	31.64	101.1	31.93	94.7	29.88	91.5	28.85	88.4	27.85	82.2	25.82	75.8	23.85
	-1.0	**-2.0**	107.6	32.44	101.4	30.45	95.0	28.50	91.8	27.53	88.6	26.56	82.3	24.66	75.9	22.76
	0.0	**-1.0**	107.8	31.68	101.4	29.76	95.1	27.83	91.9	26.89	88.7	25.96	82.3	24.09	76.1	22.27
	2.0	**1.0**	108.3	30.26	101.7	28.42	95.3	26.61	92.1	25.70	89.0	24.82	82.6	23.05	76.4	21.28
	5.0	**4.0**	108.8	28.30	102.4	26.59	96.0	24.90	92.8	24.06	89.6	23.24	83.2	21.57	76.8	19.95
	7.0	**6.0**	108.8	27.10	102.4	25.48	96.0	23.86	92.8	23.06	89.6	22.28	83.2	20.70	76.8	19.14
	9.0	**7.8**	108.8	26.10	102.4	24.52	96.0	22.99	92.8	22.22	89.6	21.45	83.2	19.93	76.8	18.44
	12.0	**10.6**	108.8	24.62	102.4	23.16	95.8	21.70	92.8	20.99	89.6	20.26	83.2	18.85	76.8	17.44
	15.0	**13.5**	108.8	23.23	102.4	21.84	95.8	20.48	92.8	19.80	89.6	19.13	83.2	17.80	76.8	16.50
84.0 (70%)	-19.3	**-20.0**	61.6	25.18	61.5	25.98	61.2	26.76	61.2	27.16	61.0	27.55	60.9	28.35	60.6	29.13
	-15.0	**-16.0**	71.2	27.21	70.9	28.02	70.6	28.81	70.5	29.22	70.3	29.61	70.2	30.42	65.3	28.48
	-12.0	**-13.0**	78.6	28.77	78.2	29.57	77.9	30.38	77.8	30.78	76.5	30.57	71.1	28.37	65.6	26.18
	-9.0	**-10.0**	86.2	30.35	85.6	31.16	82.3	30.28	79.6	29.25	76.8	28.23	71.3	26.22	65.9	24.21
	-7.0	**-8.0**	91.3	31.39	88.0	30.72	82.5	28.75	79.7	27.78	77.1	26.84	71.4	24.91	65.9	23.03
	-5.0	**-6.0**	93.8	31.10	88.3	29.23	82.6	27.37	80.0	26.46	77.1	25.53	71.7	23.72	66.2	21.93
	-3.0	**-4.0**	94.0	29.63	88.4	27.85	82.9	26.08	80.0	25.21	77.4	24.34	71.7	22.62	66.3	20.91
	-1.0	**-2.0**	94.1	28.25	88.6	26.56	83.2	24.89	80.3	24.05	77.5	23.24	72.0	21.59	66.5	19.98
	0.0	**-1.0**	94.4	27.60	88.7	25.96	83.2	24.33	80.4	23.53	77.7	22.72	72.0	21.11	66.5	19.53
	2.0	**1.0**	94.4	26.38	89.0	24.82	83.3	23.25	80.6	22.50	77.8	21.72	72.3	20.20	66.8	18.69
	5.0	**4.0**	95.1	24.70	89.6	23.24	83.9	21.79	81.0	21.08	78.4	20.37	72.7	18.95	67.2	17.53
	7.0	**6.0**	95.1	23.67	89.6	22.28	83.9	20.89	81.0	20.21	78.4	19.53	72.7	18.17	67.2	16.84
	9.0	**7.8**	95.1	22.80	89.6	21.45	83.9	20.12	81.0	19.47	78.4	18.82	72.7	17.53	67.2	16.24
	12.0	**10.6**	95.1	21.52	89.6	20.26	83.9	19.02	81.0	18.41	78.4	17.79	72.7	16.57	67.2	15.37
	15.0	**13.5**	95.1	20.32	89.6	19.13	83.9	17.96	81.0	17.40	78.4	16.82	72.7	15.66	67.2	14.53
72.0 (60%)	-19.3	**-20.0**	61.3	26.67	61.0	27.45	60.9	28.25	60.7	28.64	60.6	29.03	60.2	29.73	55.7	27.53
	-15.0	**-16.0**	70.6	28.94	70.3	29.74	69.9	30.46	67.6	29.49	65.3	28.48	60.8	26.46	56.0	24.45
	-12.0	**-13.0**	77.9	30.68	74.9	29.95	70.4	28.05	67.9	27.12	65.6	26.18	60.8	24.34	56.3	22.51
	-9.0	**-10.0**	80.0	29.39	75.2	27.65	70.5	25.93	68.2	25.06	65.9	24.21	61.1	22.51	56.4	20.83
	-7.0	**-8.0**	80.1	27.94	75.5	26.29	70.7	24.64	68.2	23.83	65.9	23.03	61.2	21.41	56.6	19.81
	-5.0	**-6.0**	80.3	26.59	75.6	25.01	70.8	23.46	68.5	22.68	66.2	21.93	61.4	20.39	56.7	18.90
	-3.0	**-4.0**	80.6	25.33	75.8	23.85	71.0	22.37	68.5	21.65	66.3	20.91	61.5	19.46	56.7	18.03
	-1.0	**-2.0**	80.7	24.18	75.9	22.76	71.1	21.36	68.8	20.68	66.5	19.98	61.7	18.61	57.0	17.23
	0.0	**-1.0**	80.7	23.63	76.1	22.26	71.3	20.88	68.8	20.21	66.5	19.53	61.8	18.20	57.0	16.87
	2.0	**1.0**	81.0	22.60	76.4	21.28	71.6	19.98	69.1	19.33	66.8	18.69	62.0	17.42	57.0	16.16
	5.0	**4.0**	81.6	21.18	76.8	19.95	72.0	18.75	69.5	18.14	67.2	17.53	62.4	16.36	57.6	15.17
	7.0	**6.0**	81.6	20.31	76.8	19.14	72.0	17.98	69.5	17.40	67.2	16.84	62.4	15.69	57.6	14.58
	9.0	**7.8**	81.6	19.57	76.8	18.44	72.0	17.34	69.5	16.79	67.2	16.24	62.4	15.14	57.6	14.07
	12.0	**10.6**	81.6	18.50	76.8	17.44	72.0	16.40	69.5	15.88	67.2	15.37	62.4	14.34	57.6	13.33
	15.0	**13.5**	81.6	17.47	76.6	16.50	72.0	15.50	69.5	15.02	67.2	14.53	62.4	13.58	57.6	12.62
60.0 (50%)	-19.3	**-20.0**	60.7	28.72	60.4	29.50	58.0	28.66	56.0	27.72	54.1	26.77	50.3	24.89	46.4	23.03
	-15.0	**-16.0**	66.2	28.81	62.1	27.13	58.3	25.45	56.3	24.62	54.4	23.78	50.6	22.14	46.7	20.49
	-12.0	**-13.0**	66.3	26.50	62.4	24.96	58.6	23.43	56.6	22.66	54.7	21.91	50.6	20.40	46.8	18.89
	-9.0	**-10.0**	66.6	24.48	62.7	23.06	58.8	21.67	56.7	20.96	54.8	20.28	50.9	18.89	47.0	17.51
	-7.0	**-8.0**	66.8	23.29	62.8	21.94	58.9	20.61	56.9	19.96	55.0	19.29	50.9	17.99	47.1	16.67
	-5.0	**-6.0**	66.9	22.19	63.0	20.90	58.9	19.64	57.0	19.02	55.1	18.39	51.2	17.15	47.1	15.90
	-3.0	**-4.0**	67.2	21.16	63.1	19.94	59.2	18.75	57.2	18.16	55.1	17.55	51.2	16.38	47.3	15.22
	-1.0	**-2.0**	67.2	20.20	63.3	19.07	59.2	17.91	57.3	17.36	55.4	16.78	51.5	15.67	47.4	14.55
	0.0	**-1.0**	67.2	19.75	63.4	18.65	59.3	17.52	57.3	16.97	55.4	16.42	51.5	15.32	47.4	14.25
	2.0	**1.0**	67.5	18.91	63.6	17.84	59.5	16.78	57.6	16.26	55.6	15.74	51.5	14.68	47.8	13.65
	5.0	**4.0**	67.9	17.75	64.0	16.75	59.9	15.75	57.9	15.27	56.0	14.78	51.9	13.81	48.0	12.84
	7.0	**6.0**	67.9	17.02	64.0	16.07	59.9	15.13	57.9	14.66	56.0	14.20	51.9	13.26	48.0	12.35
	9.0	**7.8**	67.9	16.43	64.0	15.50	59.9	14.61	57.9	14.16	56.0	13.71	51.9	12.81	48.0	11.93
	12.0	**10.6**	67.9	15.53	64.0	14.69	59.9	13.84	57.9	13.42	56.0	13.00	51.9	12.16	48.0	11.32
	15.0	**13.5**	67.9	14.69	64.0	13.91	59.9	13.10	57.9	12.71	56.0	12.32	51.9	11.52	48.0	10.74

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ∗360LALH

● Capacity : 125.0 kW (40HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
187.5 (150%)	-19.3	**-20.0**	65.4	21.06	65.4	21.90	65.1	22.74	65.0	23.15	64.8	23.56	64.7	24.40	64.4	25.24
	-15.0	**-16.0**	76.3	22.30	76.0	23.15	75.7	24.00	75.7	24.43	75.4	24.86	75.1	25.71	74.8	26.56
	-12.0	**-13.0**	84.7	23.22	84.4	24.09	84.1	24.94	83.8	25.38	83.7	25.81	83.4	26.68	83.0	27.54
	-9.0	**-10.0**	93.6	24.13	93.1	25.01	92.7	25.88	92.4	26.32	92.3	26.78	91.7	27.66	91.4	28.53
	-7.0	**-8.0**	99.6	24.76	99.0	25.64	98.6	26.52	98.3	26.96	98.0	27.40	97.4	28.30	97.0	29.18
	-5.0	**-6.0**	105.7	25.36	105.0	26.25	104.6	27.15	104.3	27.59	104.0	28.04	103.4	28.94	102.8	29.85
	-3.0	**-4.0**	111.9	25.97	111.3	26.88	110.7	27.79	110.3	28.23	110.0	28.68	109.4	29.58	108.7	30.49
	-1.0	**-2.0**	118.3	26.58	117.4	27.49	116.7	28.40	116.4	28.87	116.0	29.32	115.4	30.25	114.7	31.16
	0.0	**-1.0**	121.3	26.89	120.6	27.82	120.0	28.73	119.6	29.18	119.1	29.65	118.4	30.56	117.7	31.49
	2.0	**1.0**	127.7	27.52	127.0	28.43	126.3	29.37	125.7	29.82	125.4	30.29	124.6	31.22	123.7	32.14
	5.0	**4.0**	137.9	28.43	137.0	29.37	136.0	30.32	135.6	30.79	135.3	31.26	134.3	32.20	133.3	33.15
	7.0	**6.0**	144.2	29.06	143.3	30.01	142.3	30.96	141.7	31.43	141.3	31.90	140.3	32.87	139.3	33.82
	9.0	**7.8**	149.9	29.63	148.9	30.58	147.7	31.53	147.3	32.03	146.7	32.50	145.6	33.47	144.6	34.43
	12.0	**10.6**	158.9	30.51	157.6	31.48	156.5	32.46	155.9	32.94	155.3	33.42	154.0	34.39	150.0	34.30
	15.0	**13.5**	168.0	31.42	166.9	32.42	165.5	33.41	164.9	33.91	164.2	34.39	162.3	35.21	150.0	32.29
175.0 (140%)	-19.3	**-20.0**	65.4	21.37	65.1	22.21	65.1	23.05	64.8	23.46	64.8	23.89	64.5	24.73	64.4	25.55
	-15.0	**-16.0**	76.1	22.68	75.8	23.52	75.7	24.37	75.4	24.80	75.4	25.24	75.1	26.08	74.7	26.93
	-12.0	**-13.0**	84.7	23.65	84.3	24.50	83.8	25.37	83.7	25.81	83.4	26.24	83.1	27.10	82.8	27.97
	-9.0	**-10.0**	93.3	24.62	93.0	25.48	92.4	26.36	92.1	26.79	92.0	27.23	91.5	28.13	91.1	29.00
	-7.0	**-8.0**	99.3	25.26	98.7	26.14	98.3	27.02	98.0	27.46	97.7	27.90	97.3	28.80	96.7	29.68
	-5.0	**-6.0**	105.3	25.91	104.7	26.79	104.1	27.69	104.0	28.13	103.7	28.58	103.1	29.48	102.4	30.38
	-3.0	**-4.0**	111.4	26.55	110.7	27.46	110.3	28.36	110.0	28.81	109.7	29.25	109.0	30.16	108.4	31.06
	-1.0	**-2.0**	117.7	27.21	117.0	28.12	116.3	29.03	116.0	29.48	115.7	29.94	115.0	30.85	114.1	31.77
	0.0	**-1.0**	120.9	27.53	120.0	28.44	119.4	29.37	119.0	29.81	118.7	30.28	118.0	31.19	117.1	32.11
	2.0	**1.0**	127.3	28.19	126.4	29.11	125.6	30.04	125.3	30.49	124.7	30.96	124.0	31.87	123.1	32.81
	5.0	**4.0**	137.2	29.17	136.3	30.11	135.3	31.05	135.0	31.52	134.4	31.99	133.6	32.92	132.6	33.86
	7.0	**6.0**	143.3	29.84	142.3	30.78	141.4	31.73	141.0	32.20	140.4	32.67	139.4	33.62	138.4	34.57
	9.0	**7.8**	149.0	30.44	148.0	31.39	146.9	32.34	146.3	32.83	145.7	33.31	144.7	34.26	140.0	33.79
	12.0	**10.6**	157.7	31.39	156.6	32.36	155.3	33.31	154.9	33.81	154.3	34.29	151.6	34.70	140.0	31.85
	15.0	**13.5**	166.9	32.37	165.6	33.34	164.3	34.32	163.6	34.82	163.0	35.32	151.6	32.68	140.0	30.00
162.5 (130%)	-19.3	**-20.0**	65.4	21.75	65.1	22.58	64.8	23.42	64.8	23.83	64.7	24.26	64.5	25.10	64.2	25.92
	-15.0	**-16.0**	76.0	23.12	75.7	23.96	75.4	24.81	75.4	25.24	75.1	25.67	74.8	26.52	74.5	27.37
	-12.0	**-13.0**	84.4	24.13	84.0	25.00	83.7	25.85	83.4	26.29	83.4	26.72	83.0	27.59	82.5	28.44
	-9.0	**-10.0**	93.0	25.17	92.7	26.04	92.1	26.92	92.0	27.35	91.7	27.79	91.3	28.65	90.8	29.52
	-7.0	**-8.0**	99.0	25.84	98.4	26.72	98.0	27.60	97.7	28.06	97.4	28.50	97.0	29.38	96.4	30.26
	-5.0	**-6.0**	105.0	26.54	104.4	27.42	103.7	28.31	103.4	28.77	103.3	29.21	102.7	30.09	102.1	30.99
	-3.0	**-4.0**	111.0	27.22	110.4	28.13	109.7	29.01	109.4	29.47	109.1	29.92	108.4	30.82	107.8	31.71
	-1.0	**-2.0**	117.1	27.92	116.4	28.83	115.7	29.72	115.4	30.18	115.1	30.63	114.4	31.54	113.7	32.45
	0.0	**-1.0**	120.3	28.26	119.6	29.17	118.7	30.08	118.4	30.55	118.1	30.99	117.4	31.91	116.7	32.82
	2.0	**1.0**	126.6	28.97	125.7	29.88	125.0	30.79	124.6	31.26	124.1	31.73	123.3	32.64	122.4	33.56
	5.0	**4.0**	136.3	30.01	135.4	30.95	134.6	31.87	134.0	32.34	133.7	32.81	132.7	33.75	130.0	33.92
	7.0	**6.0**	142.6	30.72	141.6	31.66	140.6	32.61	140.0	33.08	139.4	33.55	138.4	34.49	130.0	32.47
	9.0	**7.8**	148.0	31.36	146.9	32.33	145.9	33.27	145.3	33.75	144.7	34.22	140.7	34.02	130.0	31.24
	12.0	**10.6**	156.6	32.39	155.3	33.34	154.3	34.31	153.6	34.79	151.6	34.70	140.7	32.05	130.0	29.45
	15.0	**13.5**	165.3	33.44	164.2	34.42	162.4	35.21	157.0	33.94	151.6	32.68	140.7	30.20	130.0	27.77
150.0 (120%)	-19.3	**-20.0**	65.1	22.18	65.1	23.02	64.8	23.86	64.7	24.27	64.5	24.68	64.4	25.52	64.1	26.36
	-15.0	**-16.0**	75.8	23.62	75.5	24.47	75.4	25.31	75.1	25.75	75.0	26.18	74.7	27.02	74.4	27.87
	-12.0	**-13.0**	84.1	24.70	83.8	25.57	83.4	26.42	83.3	26.86	83.1	27.29	82.7	28.14	82.4	29.01
	-9.0	**-10.0**	92.7	25.80	92.3	26.66	91.8	27.53	91.7	27.97	91.4	28.41	91.0	29.28	90.4	30.16
	-7.0	**-8.0**	98.6	26.52	98.0	27.40	97.4	28.27	97.4	28.71	97.1	29.17	96.5	30.05	96.1	30.93
	-5.0	**-6.0**	104.4	27.26	104.0	28.14	103.4	29.04	103.1	29.48	102.7	29.92	102.1	30.80	101.7	31.70
	-3.0	**-4.0**	110.4	28.00	109.8	28.88	109.3	29.78	109.0	30.22	108.7	30.69	108.0	31.57	107.4	32.48
	-1.0	**-2.0**	116.6	28.74	115.8	29.64	115.1	30.55	114.7	30.99	114.4	31.44	113.7	32.34	113.0	33.25
	0.0	**-1.0**	119.6	29.11	119.0	30.01	118.1	30.92	117.7	31.37	117.4	31.83	116.7	32.74	116.0	33.65
	2.0	**1.0**	125.7	29.85	125.0	30.76	124.1	31.69	123.7	32.14	123.4	32.61	122.4	33.52	119.3	33.36
	5.0	**4.0**	135.4	30.99	134.6	31.91	133.6	32.84	133.1	33.31	132.7	33.78	130.0	33.92	120.0	31.19
	7.0	**6.0**	141.3	31.76	140.4	32.68	139.4	33.62	139.0	34.09	138.4	34.56	130.0	32.47	120.0	29.85
	9.0	**7.8**	146.7	32.44	145.7	33.38	144.7	34.32	144.1	34.80	140.0	33.79	130.0	31.24	120.0	28.74
	12.0	**10.6**	155.2	33.54	154.0	34.49	150.0	34.30	144.8	33.06	140.0	31.85	130.0	29.45	120.0	27.10
	15.0	**13.5**	163.9	34.66	160.0	34.61	150.0	32.29	144.8	31.14	140.0	30.00	130.0	27.77	120.0	25.55
137.5 (110%)	-19.3	**-20.0**	65.1	22.69	64.8	23.53	64.7	24.36	64.5	24.77	64.4	25.18	64.2	26.02	64.1	26.86
	-15.0	**-16.0**	75.7	24.23	75.4	25.07	75.1	25.92	74.8	26.35	74.8	26.76	74.4	27.60	74.1	28.45
	-12.0	**-13.0**	83.8	25.38	83.4	26.24	83.1	27.09	83.0	27.53	82.8	27.94	82.4	28.81	82.1	29.66
	-9.0	**-10.0**	92.4	26.55	92.0	27.40	91.4	28.27	91.1	28.71	91.0	29.15	90.5	30.02	90.1	30.89
	-7.0	**-8.0**	98.1	27.32	97.7	28.20	97.1	29.08	96.8	29.51	96.5	29.95	96.1	30.83	95.5	31.71
	-5.0	**-6.0**	104.0	28.10	103.4	28.98	102.8	29.88	102.4	30.32	102.1	30.76	101.7	31.64	101.1	32.52
	-3.0	**-4.0**	109.8	28.90	109.3	29.78	108.7	30.69	108.3	31.13	108.0	31.57	107.4	32.45	106.7	33.35
	-1.0	**-2.0**	115.7	29.69	115.1	30.59	114.4	31.50	114.1	31.94	113.7	32.38	113.0	33.29	108.7	32.65
	0.0	**-1.0**	118.7	30.09	118.1	30.99	117.4	31.90	117.0	32.34	116.7	32.81	115.8	33.70	109.0	31.89
	2.0	**1.0**	124.9	30.89	124.0	31.80	123.3	32.71	122.8	33.18	122.4	33.62	118.3	33.11	109.3	30.47
	5.0	**4.0**	134.3	32.13	133.4	33.04	132.4	33.96	132.0	34.42	128.3	33.47	119.0	30.96	110.0	28.50
	7.0	**6.0**	140.1	32.94	139.1	33.88	137.4	34.46	132.7	33.25	128.3	32.03	119.0	29.64	110.0	27.29
	9.0	**7.8**	145.3	33.68	144.3	34.62	137.4	33.15	132.7	31.97	128.3	30.82	119.0	28.53	110.0	26.28
	12.0	**10.6**	153.6	34.86	146.6	33.46	137.4	31.24	132.7	30.16	128.3	29.05	119.0	26.90	110.0	24.78
	15.0	**13.5**	155.7	33.64	146.6	31.54	137.4	29.45	132.7	28.41	128.3	27.40	119.0	25.38	110.0	23.39

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ✳360LALH

● Capacity : 125.0 kW (40HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
125.0 (100%)	-19.3	-20.0	65.0	23.30	64.7	24.13	64.5	24.97	64.4	25.38	64.4	25.79	64.1	26.63	63.8	27.46
	-15.0	-16.0	75.4	24.94	75.1	25.78	74.8	26.63	74.7	27.06	74.5	27.47	74.2	28.31	73.8	29.16
	-12.0	-13.0	83.5	26.18	83.1	27.03	82.8	27.88	82.7	28.31	82.4	28.74	82.1	29.59	81.7	30.46
	-9.0	-10.0	91.8	27.43	91.4	28.30	91.0	29.15	90.8	29.59	90.5	30.02	90.1	30.90	89.5	31.75
	-7.0	-8.0	97.5	28.27	97.1	29.14	96.5	30.02	96.4	30.46	96.1	30.89	95.5	31.75	95.1	32.62
	-5.0	-6.0	103.3	29.11	102.7	29.99	102.1	30.87	101.8	31.31	101.5	31.74	101.1	32.62	98.4	32.57
	-3.0	-4.0	109.1	29.98	108.4	30.86	107.8	31.74	107.4	32.18	107.1	32.62	106.5	33.52	98.7	31.03
	-1.0	-2.0	115.0	30.83	114.3	31.73	113.4	32.61	113.1	33.05	112.8	33.52	107.1	32.14	99.0	29.59
	0.0	-1.0	117.8	31.26	117.1	32.17	116.4	33.05	116.0	33.49	115.6	33.91	107.3	31.38	99.0	28.90
	2.0	1.0	123.7	32.14	123.0	33.04	122.1	33.93	120.0	33.60	115.7	32.39	107.6	29.98	99.3	27.62
	5.0	4.0	133.0	33.45	132.0	34.36	125.0	32.54	120.7	31.42	116.6	30.28	108.1	28.06	100.0	25.84
	7.0	6.0	138.8	34.35	133.3	33.35	125.0	31.16	120.7	30.08	116.6	29.00	108.1	26.86	100.0	24.76
	9.0	7.8	141.6	34.22	133.3	32.08	125.0	29.98	120.7	28.94	116.6	27.90	108.1	25.85	100.0	23.85
	12.0	10.6	141.4	32.25	133.3	30.26	125.0	28.27	120.7	27.30	116.6	26.32	108.1	24.40	100.0	22.51
	15.0	13.5	141.6	30.39	133.3	28.51	125.0	26.66	120.7	25.73	116.6	24.82	108.1	23.02	100.0	21.24
112.5 (90%)	-19.3	-20.0	64.8	24.04	64.5	24.87	64.4	25.69	64.2	26.12	64.1	26.53	63.8	27.37	63.8	28.18
	-15.0	-16.0	75.1	25.81	74.8	26.65	74.5	27.50	74.4	27.91	74.2	28.34	73.8	29.18	73.5	30.00
	-12.0	-13.0	83.1	27.16	82.8	28.00	82.4	28.85	82.1	29.28	82.1	29.69	81.5	30.54	81.2	31.41
	-9.0	-10.0	91.4	28.51	90.8	29.36	90.4	30.22	90.1	30.66	90.1	31.07	89.5	31.94	88.3	32.36
	-7.0	-8.0	96.8	29.42	96.4	30.29	95.8	31.14	95.7	31.58	95.4	32.01	94.8	32.88	88.4	30.73
	-5.0	-6.0	102.4	30.33	102.0	31.20	101.4	32.08	101.1	32.52	100.8	32.95	96.0	31.73	88.7	29.24
	-3.0	-4.0	108.1	31.27	107.5	32.14	106.8	33.02	106.5	33.46	103.7	32.62	96.3	30.23	88.7	27.85
	-1.0	-2.0	113.8	32.20	113.1	33.08	111.3	33.43	107.6	32.26	104.0	31.11	96.4	28.82	89.0	26.57
	0.0	-1.0	116.7	32.68	116.0	33.56	111.4	32.65	107.7	31.52	104.0	30.40	96.6	28.18	89.1	25.97
	2.0	1.0	122.4	33.62	119.1	33.36	111.7	31.18	108.0	30.11	104.3	29.03	96.7	26.91	89.3	24.82
	5.0	4.0	127.4	33.24	120.0	31.19	112.4	29.17	108.7	28.16	105.0	27.16	97.4	25.20	90.0	23.25
	7.0	6.0	127.4	31.81	119.8	29.85	112.4	27.93	108.7	26.96	105.0	26.01	97.4	24.13	90.0	22.28
	9.0	7.8	127.4	30.62	120.0	28.74	112.4	26.88	108.7	25.95	105.0	25.04	97.4	23.25	90.0	21.47
	12.0	10.6	127.4	28.87	119.8	27.10	112.4	25.35	108.7	24.50	105.0	23.64	97.4	21.95	90.0	20.27
	15.0	13.5	127.4	27.20	120.0	25.55	112.4	23.93	108.7	23.12	105.0	22.31	97.4	20.71	90.0	19.15
100.0 (80%)	-19.3	-20.0	64.5	24.97	64.4	25.79	64.1	26.62	64.1	27.03	63.8	27.44	63.5	28.28	63.5	29.09
	-15.0	-16.0	74.7	26.89	74.4	27.71	74.1	28.55	74.1	28.98	73.8	29.39	73.5	30.23	73.2	31.07
	-12.0	-13.0	82.7	28.34	82.2	29.19	81.8	30.03	81.7	30.46	81.5	30.88	81.1	31.72	78.0	31.10
	-9.0	-10.0	90.7	29.83	90.1	30.67	89.8	31.54	89.5	31.95	89.2	32.39	85.0	31.12	78.4	28.70
	-7.0	-8.0	96.1	30.83	95.5	31.68	95.1	32.55	94.8	32.96	91.7	31.90	85.1	29.58	78.6	27.29
	-5.0	-6.0	101.5	31.84	101.0	32.69	98.4	32.57	95.1	31.46	92.0	30.35	85.3	28.14	78.7	25.96
	-3.0	-4.0	107.1	32.85	105.3	33.16	98.7	31.03	95.4	29.96	92.1	28.91	85.6	26.81	79.0	24.75
	-1.0	-2.0	112.1	33.69	105.6	31.62	99.0	29.59	95.7	28.58	92.3	27.58	85.7	25.59	79.1	23.61
	0.0	-1.0	112.3	32.90	105.7	30.90	99.0	28.90	95.7	27.92	92.4	26.94	85.7	25.00	79.3	23.10
	2.0	1.0	112.8	31.42	106.0	29.50	99.3	27.62	96.0	26.68	92.7	25.76	86.0	23.91	79.6	22.07
	5.0	4.0	113.3	29.38	106.6	27.60	100.0	25.84	96.6	24.97	93.3	24.12	86.6	22.38	80.0	20.69
	7.0	6.0	113.3	28.13	106.6	26.45	100.0	24.76	96.6	23.93	93.3	23.11	86.6	21.46	80.0	19.85
	9.0	7.8	113.3	27.09	106.6	25.45	100.0	23.85	96.6	23.05	93.3	22.25	86.6	20.67	80.0	19.12
	12.0	10.6	113.3	25.55	106.6	24.03	99.8	22.51	96.6	21.77	93.3	21.01	86.6	19.55	80.0	18.07
	15.0	13.5	113.3	24.10	106.6	22.66	99.8	21.24	96.6	20.54	93.3	19.83	86.6	18.45	80.0	17.09
87.5 (70%)	-19.3	-20.0	64.2	26.13	64.1	26.97	63.8	27.78	63.8	28.19	63.5	28.59	63.4	29.43	63.1	30.24
	-15.0	-16.0	74.2	28.25	73.8	29.09	73.5	29.91	73.5	30.34	73.2	30.74	73.1	31.58	68.0	29.58
	-12.0	-13.0	81.8	29.86	81.5	30.70	81.1	31.55	81.1	31.96	79.7	31.75	74.0	29.46	68.3	27.18
	-9.0	-10.0	89.8	31.51	89.2	32.35	85.7	31.45	83.0	30.38	80.0	29.31	74.3	27.21	68.6	25.13
	-7.0	-8.0	95.1	32.60	91.7	31.90	86.0	29.85	83.0	28.84	80.3	27.86	74.4	25.85	68.7	23.89
	-5.0	-6.0	97.7	32.30	92.0	30.35	86.1	28.41	83.3	27.46	80.4	26.50	74.7	24.61	69.0	22.75
	-3.0	-4.0	98.0	30.76	92.1	28.91	86.3	27.07	83.4	26.16	80.6	25.26	74.7	23.47	69.0	21.69
	-1.0	-2.0	98.1	29.33	92.3	27.58	86.6	25.83	83.7	24.96	80.7	24.11	75.0	22.40	69.3	20.72
	0.0	-1.0	98.3	28.66	92.4	26.94	86.7	25.25	83.7	24.41	81.0	23.57	75.0	21.90	69.3	20.25
	2.0	1.0	98.4	27.38	92.7	25.76	86.7	24.12	84.0	23.34	81.0	22.54	75.3	20.95	69.6	19.38
	5.0	4.0	99.0	25.63	93.3	24.12	87.4	22.61	84.4	21.86	81.6	21.12	75.7	19.64	70.0	18.17
	7.0	6.0	99.0	24.56	93.3	23.11	87.4	21.67	84.4	20.96	81.6	20.25	75.7	18.84	70.0	17.46
	9.0	7.8	99.0	23.65	93.3	22.25	87.4	20.87	84.4	20.19	81.6	19.51	75.7	18.17	70.0	16.82
	12.0	10.6	99.0	22.32	93.3	21.01	87.4	19.72	84.4	19.08	81.6	18.44	75.7	17.17	70.0	15.92
	15.0	13.5	99.0	21.07	93.3	19.83	87.4	18.62	84.4	18.04	81.6	17.43	75.7	16.23	70.0	15.05
75.0 (60%)	-19.3	-20.0	63.8	27.68	63.5	28.50	63.4	29.33	63.2	29.73	63.2	30.14	62.8	30.88	58.0	28.59
	-15.0	-16.0	73.5	30.04	73.2	30.88	72.8	31.64	70.4	30.62	68.0	29.58	63.3	27.47	58.3	25.38
	-12.0	-13.0	81.1	31.86	78.0	31.10	73.3	29.13	70.7	28.15	68.3	27.18	63.4	25.26	58.6	23.35
	-9.0	-10.0	83.3	30.52	78.4	28.70	73.4	26.91	71.0	26.01	68.6	25.13	63.7	23.36	58.7	21.61
	-7.0	-8.0	83.4	29.00	78.6	27.29	73.7	25.58	71.1	24.73	68.7	23.89	63.7	22.22	59.0	20.54
	-5.0	-6.0	83.7	27.60	78.7	25.96	73.7	24.34	71.3	23.54	69.0	22.75	64.0	21.15	59.0	19.59
	-3.0	-4.0	84.0	26.29	79.0	24.75	74.0	23.21	71.4	22.46	69.0	21.69	64.1	20.18	59.1	18.70
	-1.0	-2.0	84.0	25.09	79.1	23.61	74.1	22.16	71.7	21.45	69.3	20.72	64.3	19.30	59.3	17.86
	0.0	-1.0	84.1	24.52	79.3	23.10	74.3	21.66	71.7	20.96	69.3	20.25	64.3	18.87	59.4	17.48
	2.0	1.0	84.4	23.45	79.6	22.07	74.6	20.72	72.0	20.05	69.6	19.38	64.6	18.06	59.4	16.74
	5.0	4.0	85.0	21.97	80.0	20.69	75.0	19.44	72.3	18.81	70.0	18.17	65.0	16.95	60.0	15.71
	7.0	6.0	85.0	21.06	80.0	19.85	75.0	18.64	72.4	18.04	70.0	17.46	65.0	16.26	60.0	15.10
	9.0	7.8	85.0	20.29	80.0	19.12	75.0	17.97	72.4	17.39	70.0	16.82	65.0	15.68	60.0	14.57
	12.0	10.6	85.0	19.18	80.0	18.07	75.0	16.99	72.4	16.46	70.0	15.92	65.0	14.85	60.0	13.80
	15.0	13.5	85.0	18.11	79.8	17.09	75.0	16.06	72.4	15.55	70.0	15.05	65.0	14.06	60.0	13.06
62.5 (50%)	-19.3	-20.0	63.2	29.82	62.9	30.63	60.4	29.76	58.4	28.79	56.4	27.79	52.4	25.84	48.4	23.90
	-15.0	-16.0	69.0	29.92	64.7	28.17	60.7	26.42	58.7	25.55	56.7	24.68	52.7	22.97	48.6	21.26
	-12.0	-13.0	69.1	27.51	65.0	25.90	61.0	24.32	59.0	23.52	57.0	22.74	52.7	21.16	48.7	19.59
	-9.0	-10.0	69.4	25.41	65.3	23.93	61.3	22.48	59.1	21.75	57.1	21.03	53.0	19.59	49.0	18.15
	-7.0	-8.0	69.6	24.17	65.4	22.76	61.3	21.38	59.3	20.70	57.3	20.00	53.1	18.65	49.0	17.28
	-5.0	-6.0	69.7	23.02	65.6	21.68	61.4	20.37	59.4	19.73	57.4	19.06	53.3	17.78	49.1	16.48
	-3.0	-4.0	70.0	21.95	65.7	20.68	61.7	19.44	59.6	18.82	57.4	18.19	53.4	16.98	49.3	15.76
	-1.0	-2.0	70.0	20.95	66.0	19.77	61.7	18.57	59.7	17.99	57.7	17.39	53.6	16.24	49.4	15.07
	0.0	-1.0	70.1	20.49	66.0	19.33	61.7	18.16	59.7	17.59	57.7	17.02	53.6	15.88	49.4	14.76
	2.0	1.0	70.3	19.61	66.3	18.50	62.0	17.39	60.0	16.85	57.9	16.31	53.7	15.21	49.8	14.13
	5.0	4.0	70.7	18.40	66.6	17.36	62.4	16.32	60.3	15.81	58.3	15.31	54.0	14.30	50.0	13.29
	7.0	6.0	70.7	17.64	66.6	16.65	62.4	15.68	60.3	15.18	58.3	14.70	54.0	13.73	50.0	12.78
	9.0	7.8	70.7	17.02	66.6	16.06	62.4	15.13	60.3	14.66	58.3	14.20	54.0	13.26	50.0	12.35
	12.0	10.6	70.7	16.09	66.6	15.21	62.4	14.33	60.3	13.89	58.3	13.45	54.0	12.58	50.0	11.71
	15.0	13.5	70.7	15.22	66.6	14.40	62.4	13.56	60.3	13.15	58.3	12.75	54.0	11.92	50.0	11.11

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ✳378LALH

● Capacity : 132.5 kW (42HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
198.8 (150%)	-19.3	**-20.0**	69.4	22.53	69.3	23.43	69.1	24.32	68.9	24.77	68.8	25.21	68.6	26.11	68.4	27.01
	-15.0	**-16.0**	80.9	23.85	80.6	24.76	80.3	25.68	80.2	26.13	80.0	26.59	79.7	27.50	79.4	28.42
	-12.0	**-13.0**	89.8	24.84	89.5	25.77	89.2	26.68	88.9	27.15	88.8	27.61	88.4	28.54	88.0	29.47
	-9.0	**-10.0**	99.2	25.81	98.7	26.76	98.3	27.69	98.0	28.16	97.8	28.64	97.3	29.58	96.9	30.52
	-7.0	**-8.0**	105.5	26.48	105.0	27.42	104.5	28.37	104.2	28.84	103.9	29.32	103.3	30.27	102.9	31.22
	-5.0	**-6.0**	112.0	27.12	111.3	28.08	110.8	29.04	110.5	29.51	110.2	30.00	109.6	30.96	109.0	31.93
	-3.0	**-4.0**	118.6	27.78	117.9	28.75	117.3	29.72	116.9	30.20	116.6	30.68	116.0	31.65	115.3	32.62
	-1.0	**-2.0**	125.3	28.43	124.5	29.41	123.7	30.38	123.4	30.88	123.0	31.37	122.3	32.35	121.6	33.33
	0.0	**-1.0**	128.6	28.76	127.8	29.75	127.2	30.73	126.7	31.22	126.3	31.71	125.5	32.69	124.8	33.68
	2.0	**1.0**	135.4	29.43	134.6	30.41	133.8	31.41	133.3	31.90	132.9	32.40	132.1	33.39	131.2	34.38
	5.0	**4.0**	146.1	30.41	145.2	31.41	144.2	32.43	143.7	32.93	143.3	33.44	142.3	34.44	141.3	35.46
	7.0	**6.0**	152.8	31.08	151.8	32.09	150.8	33.11	150.2	33.62	149.7	34.12	148.7	35.15	147.6	36.17
	9.0	**7.8**	158.8	31.68	157.7	32.70	156.6	33.73	156.1	34.25	155.5	34.76	154.3	35.79	153.2	36.83
	12.0	**10.6**	168.3	32.62	167.0	33.66	165.8	34.71	165.2	35.23	164.6	35.75	163.2	36.79	159.0	36.69
	15.0	**13.5**	178.0	33.60	176.8	34.66	175.3	35.73	174.7	36.26	174.0	36.78	172.1	37.67	159.0	34.56
185.5 (140%)	-19.3	**-20.0**	69.4	22.87	69.1	23.76	69.0	24.66	68.8	25.10	68.8	25.56	68.5	26.46	68.3	27.34
	-15.0	**-16.0**	80.7	24.26	80.5	25.16	80.3	26.08	80.0	26.53	80.0	27.00	79.7	27.90	79.3	28.82
	-12.0	**-13.0**	89.8	25.30	89.4	26.21	88.9	27.14	88.8	27.61	88.5	28.07	88.2	29.00	87.9	29.92
	-9.0	**-10.0**	98.9	26.33	98.6	27.26	98.0	28.20	97.7	28.66	97.5	29.14	97.1	30.09	96.6	31.02
	-7.0	**-8.0**	105.2	27.02	104.7	27.96	104.2	28.91	103.9	29.38	103.6	29.85	103.1	30.81	102.6	31.75
	-5.0	**-6.0**	111.6	27.71	111.0	28.66	110.4	29.62	110.2	30.09	109.9	30.58	109.3	31.54	108.6	32.49
	-3.0	**-4.0**	118.1	28.40	117.4	29.37	116.9	30.33	116.6	30.82	116.3	31.29	115.5	32.27	114.9	33.23
	-1.0	**-2.0**	124.8	29.10	124.0	30.07	123.3	31.05	123.0	31.53	122.6	32.02	121.9	33.00	121.0	33.98
	0.0	**-1.0**	128.1	29.45	127.2	30.42	126.6	31.41	126.2	31.89	125.8	32.39	125.1	33.36	124.2	34.35
	2.0	**1.0**	134.9	30.15	134.0	31.14	133.1	32.13	132.8	32.62	132.2	33.12	131.4	34.10	130.6	35.10
	5.0	**4.0**	145.4	31.20	144.4	32.20	143.4	33.21	143.1	33.71	142.5	34.21	141.6	35.22	140.5	36.22
	7.0	**6.0**	151.9	31.91	150.8	32.92	149.9	33.94	149.4	34.44	148.8	34.95	147.8	35.96	146.7	36.98
	9.0	**7.8**	157.9	32.55	156.8	33.57	155.7	34.59	155.1	35.11	154.5	35.62	153.4	36.65	148.3	36.15
	12.0	**10.6**	167.1	33.57	165.9	34.60	164.6	35.63	164.1	36.16	163.5	36.67	160.7	37.12	148.3	34.08
	15.0	**13.5**	176.8	34.62	175.4	35.66	174.1	36.71	173.4	37.24	172.7	37.77	160.7	34.97	148.3	32.11
172.3 (130%)	-19.3	**-20.0**	69.4	23.27	69.1	24.16	68.8	25.06	68.8	25.50	68.7	25.95	68.5	26.85	68.2	27.74
	-15.0	**-16.0**	80.6	24.73	80.3	25.64	80.0	26.55	80.0	27.00	79.7	27.46	79.4	28.37	79.1	29.28
	-12.0	**-13.0**	89.5	25.82	89.1	26.74	88.8	27.66	88.5	28.13	88.4	28.59	88.0	29.51	87.6	30.43
	-9.0	**-10.0**	98.6	26.92	98.3	27.85	97.7	28.79	97.5	29.25	97.2	29.72	96.8	30.66	96.3	31.59
	-7.0	**-8.0**	104.9	27.64	104.4	28.59	103.9	29.53	103.6	30.01	103.3	30.48	102.8	31.43	102.2	32.37
	-5.0	**-6.0**	111.3	28.38	110.7	29.33	110.0	30.29	109.7	30.77	109.5	31.24	108.9	32.19	108.3	33.15
	-3.0	**-4.0**	117.7	29.12	117.0	30.09	116.3	31.04	116.0	31.52	115.7	32.01	115.0	32.97	114.4	33.93
	-1.0	**-2.0**	124.2	29.86	123.4	30.83	122.7	31.80	122.4	32.28	122.0	32.77	121.3	33.74	120.5	34.72
	0.0	**-1.0**	127.5	30.23	126.7	31.20	125.9	32.18	125.6	32.67	125.2	33.15	124.5	34.14	123.7	35.11
	2.0	**1.0**	134.1	30.98	133.3	31.96	132.5	32.94	132.0	33.44	131.6	33.94	130.7	34.91	129.8	35.90
	5.0	**4.0**	144.5	32.10	143.5	33.10	142.6	34.09	142.1	34.59	141.7	35.10	140.7	36.10	137.8	36.28
	7.0	**6.0**	151.1	32.86	150.0	33.86	149.0	34.88	148.4	35.38	147.8	35.89	146.8	36.89	137.8	34.73
	9.0	**7.8**	156.8	33.54	155.7	34.57	154.6	35.58	154.0	36.10	153.4	36.60	149.2	36.39	137.8	33.42
	12.0	**10.6**	165.9	34.63	164.6	35.66	163.5	36.69	162.8	37.21	160.7	37.12	149.2	34.29	137.8	31.51
	15.0	**13.5**	175.2	35.76	173.9	36.81	172.2	37.67	166.4	36.32	160.7	34.97	149.2	32.32	137.8	29.71
159.0 (120%)	-19.3	**-20.0**	69.1	23.73	69.1	24.63	68.8	25.53	68.6	25.97	68.5	26.41	68.3	27.31	68.1	28.20
	-15.0	**-16.0**	80.4	25.27	80.1	26.18	79.9	27.08	79.7	27.55	79.5	28.01	79.2	28.91	78.9	29.82
	-12.0	**-13.0**	89.2	26.43	88.9	27.35	88.5	28.27	88.3	28.74	88.2	29.19	87.7	30.11	87.4	31.04
	-9.0	**-10.0**	98.3	27.59	97.8	28.52	97.4	29.45	97.2	29.92	96.9	30.40	96.5	31.33	95.9	32.27
	-7.0	**-8.0**	104.5	28.37	103.9	29.31	103.3	30.25	103.3	30.72	103.0	31.20	102.4	32.14	101.9	33.09
	-5.0	**-6.0**	110.7	29.16	110.2	30.11	109.6	31.06	109.3	31.53	108.9	32.01	108.3	32.95	107.8	33.91
	-3.0	**-4.0**	117.1	29.95	116.5	30.90	115.8	31.86	115.5	32.33	115.2	32.83	114.5	33.78	113.9	34.74
	-1.0	**-2.0**	123.6	30.74	122.8	31.70	122.1	32.67	121.6	33.15	121.3	33.64	120.6	34.60	119.8	35.57
	0.0	**-1.0**	126.8	31.14	126.1	32.10	125.2	33.07	124.8	33.56	124.5	34.05	123.7	35.02	123.0	35.99
	2.0	**1.0**	133.3	31.93	132.5	32.91	131.6	33.89	131.2	34.38	130.8	34.88	129.8	35.86	126.4	35.67
	5.0	**4.0**	143.5	33.15	142.6	34.14	141.6	35.13	141.1	35.63	140.7	36.13	137.8	36.28	127.2	33.36
	7.0	**6.0**	149.8	33.96	148.8	34.96	147.8	35.96	147.3	36.46	146.7	36.97	137.8	34.73	127.2	31.93
	9.0	**7.8**	155.5	34.70	154.4	35.70	153.4	36.71	152.8	37.22	148.4	36.15	137.8	33.42	127.2	30.74
	12.0	**10.6**	164.4	35.86	163.2	36.89	159.0	36.69	153.6	35.38	148.4	34.08	137.8	31.51	127.2	29.00
	15.0	**13.5**	173.6	37.07	169.6	37.04	159.0	34.56	153.6	33.32	148.4	32.11	137.8	29.71	127.2	27.34
145.8 (110%)	-19.3	**-20.0**	69.1	24.28	68.8	25.18	68.6	26.06	68.5	26.50	68.4	26.95	68.2	27.84	68.0	28.74
	-15.0	**-16.0**	80.3	25.92	80.0	26.82	79.7	27.73	79.4	28.19	79.4	28.63	79.0	29.53	78.7	30.45
	-12.0	**-13.0**	88.9	27.15	88.5	28.07	88.2	28.98	88.0	29.45	87.9	29.90	87.4	30.82	87.1	31.74
	-9.0	**-10.0**	98.0	28.40	97.5	29.32	97.0	30.25	96.7	30.72	96.5	31.19	96.0	32.12	95.6	33.05
	-7.0	**-8.0**	104.0	29.22	103.6	30.17	103.0	31.11	102.7	31.57	102.4	32.04	101.9	32.98	101.4	33.92
	-5.0	**-6.0**	110.2	30.06	109.6	31.01	109.0	31.96	108.6	32.43	108.3	32.91	107.8	33.85	107.2	34.80
	-3.0	**-4.0**	116.5	30.91	115.8	31.86	115.2	32.83	114.8	33.30	114.5	33.77	113.9	34.72	113.1	35.68
	-1.0	**-2.0**	122.7	31.76	122.1	32.72	121.3	33.69	121.0	34.17	120.6	34.64	119.8	35.61	115.3	34.90
	0.0	**-1.0**	125.9	32.19	125.2	33.15	124.5	34.12	124.0	34.60	123.7	35.09	122.8	36.06	115.5	34.10
	2.0	**1.0**	132.3	33.04	131.5	34.02	130.7	34.99	130.2	35.49	129.8	35.97	125.4	35.41	115.8	32.58
	5.0	**4.0**	142.3	34.36	141.4	35.34	140.4	36.33	139.9	36.82	136.0	35.79	126.2	33.11	116.6	30.48
	7.0	**6.0**	148.5	35.23	147.5	36.23	145.7	36.86	140.7	35.56	136.0	34.26	126.2	31.70	116.6	29.19
	9.0	**7.8**	154.0	36.03	153.0	37.03	145.7	35.46	140.7	34.20	136.0	32.97	126.2	30.52	116.6	28.11
	12.0	**10.6**	162.7	37.28	155.4	35.80	145.7	33.43	140.7	32.27	136.0	31.09	126.2	28.79	116.6	26.52
	15.0	**13.5**	165.0	36.00	155.4	33.74	145.7	31.51	140.7	30.40	136.0	29.32	126.2	27.16	116.6	25.03

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ✳378LALH

● Capacity : 132.5 kW (42HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
132.5 (100%)	-19.3	-20.0	68.9	24.93	68.7	25.82	68.5	26.71	68.4	27.16	68.3	27.60	68.0	28.50	67.8	29.38
	-15.0	-16.0	80.0	26.68	79.7	27.58	79.4	28.49	79.2	28.95	79.1	29.39	78.8	30.29	78.4	31.21
	-12.0	-13.0	88.6	28.01	88.2	28.92	87.9	29.84	87.7	30.29	87.4	30.75	87.1	31.66	86.7	32.59
	-9.0	-10.0	97.4	29.35	97.0	30.27	96.5	31.19	96.3	31.66	96.0	32.12	95.6	33.06	95.0	33.97
	-7.0	-8.0	103.4	30.24	103.0	31.17	102.4	32.11	102.2	32.58	101.9	33.04	101.3	33.97	100.9	34.91
	-5.0	-6.0	109.5	31.14	108.9	32.09	108.3	33.03	108.0	33.50	107.7	33.96	107.2	34.91	104.4	34.81
	-3.0	-4.0	115.7	32.07	115.0	33.01	114.4	33.96	113.9	34.43	113.6	34.90	113.0	35.86	104.6	33.16
	-1.0	-2.0	121.9	32.98	121.1	33.94	120.3	34.89	120.0	35.36	119.7	35.85	113.6	34.35	104.9	31.63
	0.0	-1.0	124.9	33.44	124.2	34.41	123.4	35.36	123.0	35.83	122.5	36.26	113.7	33.55	105.0	30.90
	2.0	1.0	131.2	34.38	130.4	35.34	129.5	36.30	127.2	35.93	122.7	34.63	114.0	32.06	105.2	29.54
	5.0	4.0	141.0	35.78	140.0	36.76	132.5	34.81	128.0	33.60	123.6	32.39	114.7	30.01	106.0	27.64
	7.0	6.0	147.1	36.74	141.3	35.67	132.5	33.33	128.0	32.17	123.6	31.02	114.7	28.74	106.0	26.48
	9.0	7.8	150.1	36.60	141.3	34.32	132.5	32.07	128.0	30.96	123.6	29.85	114.7	27.66	106.0	25.51
	12.0	10.6	150.0	34.51	141.3	32.37	132.5	30.25	128.0	29.21	123.6	28.16	114.7	26.11	106.0	24.08
	15.0	13.5	150.1	32.52	141.3	30.51	132.5	28.53	128.0	27.54	123.6	26.57	114.7	24.63	106.0	22.73
119.3 (90%)	-19.3	-20.0	68.8	25.73	68.5	26.61	68.3	27.50	68.2	27.95	68.1	28.39	67.8	29.29	67.7	30.16
	-15.0	-16.0	79.7	27.61	79.4	28.51	79.1	29.42	78.9	29.87	78.8	30.32	78.4	31.22	78.1	32.11
	-12.0	-13.0	88.2	29.05	87.8	29.96	87.4	30.87	87.2	31.33	87.1	31.77	86.6	32.68	86.2	33.61
	-9.0	-10.0	96.9	30.50	96.4	31.42	95.9	32.33	95.6	32.80	95.6	33.25	95.0	34.18	93.6	34.57
	-7.0	-8.0	102.7	31.47	102.2	32.40	101.7	33.32	101.5	33.79	101.2	34.25	100.6	35.18	93.7	32.84
	-5.0	-6.0	108.6	32.45	108.1	33.38	107.5	34.32	107.2	34.79	106.9	35.25	101.8	33.91	94.0	31.25
	-3.0	-4.0	114.7	33.45	114.0	34.38	113.3	35.33	113.0	35.80	109.9	34.87	102.0	32.31	94.1	29.78
	-1.0	-2.0	120.7	34.44	120.0	35.39	118.0	35.73	114.0	34.49	110.2	33.26	102.2	30.81	94.4	28.41
	0.0	-1.0	123.7	34.96	123.0	35.90	118.1	34.90	114.2	33.70	110.2	32.50	102.4	30.12	94.5	27.77
	2.0	1.0	129.8	35.96	126.3	35.67	118.4	33.34	114.5	32.20	110.5	31.04	102.5	28.78	94.7	26.54
	5.0	4.0	135.1	35.55	127.2	33.36	119.2	31.20	115.2	30.12	111.3	29.05	103.3	26.95	95.4	24.87
	7.0	6.0	135.1	34.03	127.1	31.93	119.2	29.87	115.2	28.84	111.3	27.83	103.3	25.82	95.4	23.84
	9.0	7.8	135.1	32.75	127.2	30.74	119.2	28.75	115.2	27.77	111.3	26.79	103.3	24.87	95.4	22.97
	12.0	10.6	135.1	30.88	127.1	29.00	119.2	27.13	115.2	26.21	111.3	25.30	103.3	23.49	95.4	21.69
	15.0	13.5	135.1	29.11	127.2	27.34	119.2	25.60	115.2	24.74	111.3	23.87	103.3	22.17	95.4	20.49
106.0 (80%)	-19.3	-20.0	68.5	26.72	68.3	27.60	68.0	28.48	68.0	28.93	67.8	29.37	67.5	30.26	67.4	31.13
	-15.0	-16.0	79.3	28.77	79.0	29.66	78.7	30.56	78.6	31.01	78.4	31.45	78.1	32.35	77.7	33.25
	-12.0	-13.0	87.7	30.33	87.3	31.24	86.8	32.14	86.7	32.59	86.5	33.05	86.1	33.95	82.7	33.21
	-9.0	-10.0	96.2	31.92	95.6	32.82	95.3	33.75	95.0	34.19	94.7	34.66	90.1	33.25	83.1	30.66
	-7.0	-8.0	101.9	32.98	101.4	33.90	100.9	34.83	100.6	35.27	97.2	34.09	90.2	31.61	83.3	29.16
	-5.0	-6.0	107.7	34.06	107.1	34.98	104.4	34.81	100.9	33.62	97.5	32.43	90.4	30.08	83.5	27.75
	-3.0	-4.0	113.6	35.15	111.6	35.45	104.6	33.16	101.1	32.02	97.7	30.90	90.7	28.66	83.7	26.46
	-1.0	-2.0	118.9	36.01	111.9	33.81	104.9	31.63	101.4	30.55	97.8	29.48	90.9	27.36	83.9	25.25
	0.0	-1.0	119.0	35.18	112.0	33.03	105.0	30.90	101.5	29.85	98.0	28.81	90.9	26.74	84.0	24.70
	2.0	1.0	119.4	33.60	112.3	31.55	105.2	29.54	101.7	28.53	98.3	27.54	91.2	25.57	84.3	23.61
	5.0	4.0	120.1	31.43	113.0	29.53	106.0	27.64	102.4	26.71	98.9	25.79	91.8	23.94	84.8	22.13
	7.0	6.0	120.1	30.09	113.0	28.29	106.0	26.48	102.4	25.60	98.9	24.72	91.8	22.96	84.8	21.23
	9.0	7.8	120.1	28.98	113.0	27.23	106.0	25.51	102.4	24.66	98.9	23.81	91.8	22.12	84.8	20.46
	12.0	10.6	120.1	27.34	113.0	25.71	105.9	24.08	102.4	23.29	98.9	22.49	91.8	20.91	84.8	19.34
	15.0	13.5	120.1	25.79	113.0	24.25	105.9	22.73	102.4	21.98	98.9	21.23	91.8	19.75	84.8	18.29
92.8 (70%)	-19.3	-20.0	68.2	27.97	68.0	28.86	67.7	29.73	67.7	30.18	67.5	30.61	67.3	31.50	67.0	32.37
	-15.0	-16.0	78.8	30.23	78.4	31.13	78.1	32.02	78.0	32.47	77.8	32.90	77.6	33.80	72.1	31.57
	-12.0	-13.0	86.9	31.96	86.5	32.85	86.1	33.76	86.0	34.21	84.5	33.91	78.5	31.46	72.4	29.03
	-9.0	-10.0	95.3	33.72	94.7	34.62	90.9	33.59	87.9	32.45	84.8	31.32	78.7	29.07	72.7	26.84
	-7.0	-8.0	100.9	34.89	97.2	34.09	91.1	31.90	88.0	30.82	85.1	29.77	78.9	27.63	72.8	25.53
	-5.0	-6.0	103.6	34.51	97.5	32.43	91.3	30.37	88.3	29.35	85.2	28.33	79.2	26.31	73.1	24.31
	-3.0	-4.0	103.8	32.88	97.7	30.90	91.5	28.94	88.4	27.97	85.4	27.01	79.2	25.09	73.2	23.19
	-1.0	-2.0	104.0	31.36	97.8	29.48	91.8	27.62	88.7	26.69	85.6	25.78	79.5	23.95	73.4	22.16
	0.0	-1.0	104.2	30.64	98.0	28.81	91.9	26.99	88.8	26.10	85.8	25.20	79.5	23.42	73.4	21.66
	2.0	1.0	104.3	29.28	98.3	27.54	92.0	25.80	89.0	24.96	85.9	24.10	79.8	22.40	73.7	20.73
	5.0	4.0	105.0	27.41	98.9	25.79	92.7	24.18	89.5	23.38	86.5	22.59	80.3	21.01	74.2	19.44
	7.0	6.0	105.0	26.27	98.9	24.72	92.7	23.18	89.5	22.42	86.5	21.66	80.3	20.15	74.2	18.67
	9.0	7.8	105.0	25.30	98.9	23.81	92.7	22.33	89.5	21.60	86.5	20.87	80.3	19.44	74.2	18.00
	12.0	10.6	105.0	23.89	98.9	22.49	92.7	21.10	89.5	20.42	86.5	19.73	80.3	18.38	74.2	17.04
	15.0	13.5	105.0	22.55	98.9	21.23	92.7	19.93	89.5	19.30	86.5	18.65	80.3	17.37	74.2	16.11
79.5 (60%)	-19.3	-20.0	67.8	29.63	67.5	30.51	67.3	31.39	67.2	31.82	67.1	32.26	66.6	32.98	61.5	30.50
	-15.0	-16.0	78.1	32.16	77.8	33.05	77.3	33.81	74.7	32.69	72.1	31.57	67.1	29.33	61.8	27.09
	-12.0	-13.0	86.1	34.10	82.7	33.21	77.7	31.11	75.0	30.07	72.4	29.03	67.2	26.98	62.1	24.95
	-9.0	-10.0	88.3	32.61	83.1	30.67	77.9	28.75	75.3	27.79	72.7	26.84	67.5	24.96	62.3	23.09
	-7.0	-8.0	88.5	30.99	83.3	29.16	78.1	27.33	75.4	26.42	72.8	25.53	67.6	23.74	62.5	21.96
	-5.0	-6.0	88.7	29.50	83.5	27.75	78.2	26.02	75.6	25.16	73.1	24.31	67.8	22.61	62.6	20.94
	-3.0	-4.0	89.0	28.10	83.7	26.46	78.4	24.82	75.7	24.01	73.2	23.19	68.0	21.58	62.7	19.99
	-1.0	-2.0	89.1	26.83	83.9	25.25	78.6	23.69	76.0	22.93	73.4	22.16	68.1	20.63	62.9	19.10
	0.0	-1.0	89.2	26.22	84.0	24.69	78.7	23.16	76.0	22.42	73.4	21.66	68.2	20.18	63.0	18.69
	2.0	1.0	89.5	25.08	84.3	23.61	79.0	22.16	76.3	21.44	73.7	20.73	68.4	19.31	63.0	17.90
	5.0	4.0	90.1	23.50	84.8	22.13	79.5	20.79	76.7	20.12	74.2	19.44	68.9	18.13	63.6	16.81
	7.0	6.0	90.1	22.53	84.8	21.23	79.5	19.94	76.8	19.30	74.2	18.67	68.9	17.40	63.6	16.15
	9.0	7.8	90.1	21.71	84.8	20.46	79.5	19.23	76.8	18.61	74.2	18.00	68.9	16.78	63.6	15.59
	12.0	10.6	90.1	20.52	84.8	19.34	79.5	18.18	76.8	17.61	74.2	17.04	68.9	15.90	63.6	14.77
	15.0	13.5	90.1	19.38	84.7	18.29	79.5	17.19	76.8	16.65	74.2	16.11	68.9	15.04	63.6	13.98
66.3 (50%)	-19.3	-20.0	67.2	31.93	66.9	32.80	64.1	31.75	61.9	30.71	59.8	29.66	55.6	27.57	51.3	25.51
	-15.0	-16.0	73.1	31.94	68.6	30.07	64.4	28.20	62.2	27.28	60.1	26.35	55.9	24.53	51.5	22.70
	-12.0	-13.0	73.3	29.38	68.9	27.67	64.7	25.97	62.5	25.12	60.4	24.28	55.9	22.60	51.7	20.93
	-9.0	-10.0	73.6	27.15	69.2	25.57	64.9	24.02	62.7	23.24	60.6	22.47	56.2	20.93	51.9	19.40
	-7.0	-8.0	73.7	25.83	69.4	24.33	65.0	22.85	62.8	22.12	60.7	21.38	56.3	19.93	52.0	18.47
	-5.0	-6.0	73.9	24.60	69.5	23.17	65.1	21.77	63.0	21.08	60.9	20.38	56.5	19.00	52.1	17.62
	-3.0	-4.0	74.2	23.46	69.7	22.11	65.4	20.79	63.1	20.12	60.9	19.45	56.6	18.15	52.2	16.85
	-1.0	-2.0	74.2	22.40	69.9	21.14	65.4	19.86	63.3	19.24	61.2	18.60	56.8	17.36	52.4	16.12
	0.0	-1.0	74.3	21.91	70.0	20.67	65.5	19.42	63.3	18.81	61.2	18.20	56.8	16.98	52.4	15.78
	2.0	1.0	74.5	20.97	70.2	19.78	65.7	18.60	63.6	18.02	61.3	17.44	56.9	16.27	52.6	15.12
	5.0	4.0	75.0	19.68	70.6	18.57	66.2	17.46	63.9	16.92	61.8	16.38	57.3	15.30	53.0	14.22
	7.0	6.0	75.0	18.88	70.6	17.81	66.2	16.77	63.9	16.25	61.8	15.73	57.3	14.69	53.0	13.67
	9.0	7.8	75.0	18.21	70.6	17.19	66.2	16.18	63.9	15.68	61.8	15.19	57.3	14.19	53.0	13.21
	12.0	10.6	75.0	17.22	70.6	16.28	66.2	15.33	63.9	14.86	61.8	14.39	57.3	13.46	53.0	12.53
	15.0	13.5	75.0	16.29	70.6	15.41	66.2	14.51	63.9	14.07	61.8	13.64	57.3	12.76	53.0	11.89

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ∗396LALH

● Capacity : 137.5 kW (44HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
206.3 (150%)	-19.3	**-20.0**	72.0	23.28	72.0	24.21	71.7	25.14	71.5	25.60	71.4	26.06	71.2	26.99	70.9	27.92
	-15.0	**-16.0**	83.9	24.65	83.6	25.60	83.3	26.55	83.3	27.02	83.0	27.49	82.7	28.44	82.4	29.39
	-12.0	**-13.0**	93.2	25.68	92.9	26.64	92.6	27.59	92.3	28.08	92.1	28.55	91.8	29.51	91.3	30.48
	-9.0	**-10.0**	102.9	26.69	102.5	27.67	102.0	28.63	101.7	29.12	101.5	29.62	100.9	30.60	100.6	31.56
	-7.0	**-8.0**	109.5	27.38	108.9	28.36	108.4	29.34	108.1	29.83	107.8	30.32	107.2	31.31	106.7	32.29
	-5.0	**-6.0**	116.3	28.04	115.5	29.04	115.0	30.03	114.7	30.52	114.4	31.03	113.8	32.02	113.2	33.03
	-3.0	**-4.0**	123.0	28.72	122.4	29.73	121.8	30.74	121.3	31.23	121.0	31.74	120.4	32.73	119.6	33.74
	-1.0	**-2.0**	130.1	29.40	129.2	30.41	128.4	31.42	128.1	31.94	127.6	32.45	127.0	33.47	126.2	34.48
	0.0	**-1.0**	133.4	29.75	132.6	30.77	132.0	31.78	131.5	32.29	131.1	32.81	130.3	33.82	129.5	34.84
	2.0	**1.0**	140.5	30.44	139.7	31.45	138.9	32.49	138.3	33.00	138.0	33.52	137.0	34.54	136.1	35.57
	5.0	**4.0**	151.6	31.45	150.7	32.49	149.6	33.55	149.1	34.07	148.8	34.59	147.7	35.63	146.6	36.69
	7.0	**6.0**	158.5	32.14	157.6	33.20	156.5	34.26	155.9	34.78	155.4	35.30	154.3	36.37	153.2	37.43
	9.0	**7.8**	164.8	32.77	163.7	33.83	162.5	34.89	162.0	35.44	161.4	35.96	160.1	37.03	159.0	38.11
	12.0	**10.6**	174.7	33.75	173.3	34.82	172.0	35.91	171.4	36.45	170.8	36.99	169.4	38.06	165.0	37.97
	15.0	**13.5**	184.8	34.76	183.5	35.86	181.9	36.97	181.3	37.52	180.5	38.06	178.5	38.98	165.0	35.75
192.5 (140%)	-19.3	**-20.0**	72.0	23.63	71.7	24.56	71.7	25.49	71.4	25.95	71.4	26.42	71.1	27.35	70.9	28.27
	-15.0	**-16.0**	83.8	25.08	83.5	26.01	83.3	26.96	83.0	27.43	83.0	27.92	82.7	28.85	82.2	29.80
	-12.0	**-13.0**	93.2	26.15	92.7	27.10	92.3	28.06	92.1	28.55	91.8	29.02	91.5	29.99	91.2	30.95
	-9.0	**-10.0**	102.6	27.22	102.3	28.19	101.7	29.17	101.4	29.64	101.2	30.13	100.8	31.12	100.3	32.08
	-7.0	**-8.0**	109.2	27.93	108.6	28.91	108.1	29.89	107.8	30.38	107.5	30.87	107.0	31.86	106.4	32.84
	-5.0	**-6.0**	115.8	28.66	115.2	29.64	114.6	30.63	114.4	31.12	114.1	31.63	113.5	32.62	112.7	33.61
	-3.0	**-4.0**	122.6	29.37	121.8	30.38	121.3	31.37	121.0	31.88	120.7	32.37	119.9	33.38	119.3	34.37
	-1.0	**-2.0**	129.5	30.09	128.7	31.10	127.9	32.11	127.6	32.62	127.3	33.12	126.5	34.13	125.6	35.16
	0.0	**-1.0**	132.9	30.46	132.0	31.47	131.4	32.49	130.9	32.98	130.6	33.50	129.8	34.51	128.9	35.54
	2.0	**1.0**	140.0	31.18	139.1	32.21	138.1	33.23	137.8	33.74	137.2	34.26	136.4	35.27	135.5	36.31
	5.0	**4.0**	150.8	32.27	149.9	33.31	148.8	34.35	148.5	34.87	147.9	35.39	146.9	36.44	145.8	37.48
	7.0	**6.0**	157.6	33.01	156.5	34.05	155.6	35.11	155.1	35.63	154.5	36.15	153.4	37.21	152.3	38.27
	9.0	**7.8**	163.9	33.67	162.8	34.73	161.5	35.79	160.9	36.32	160.3	36.86	159.2	37.92	154.0	37.40
	12.0	**10.6**	173.5	34.73	172.2	35.80	170.8	36.86	170.3	37.41	169.7	37.95	166.7	38.41	154.0	35.26
	15.0	**13.5**	183.5	35.82	182.1	36.89	180.7	37.98	179.9	38.53	179.3	39.08	166.7	36.17	154.0	33.21
178.8 (130%)	-19.3	**-20.0**	72.0	24.06	71.7	24.97	71.4	25.90	71.4	26.36	71.2	26.83	71.1	27.76	70.8	28.68
	-15.0	**-16.0**	83.6	25.57	83.3	26.50	83.0	27.45	83.0	27.92	82.7	28.39	82.4	29.34	82.1	30.29
	-12.0	**-13.0**	92.9	26.69	92.4	27.65	92.1	28.60	91.8	29.09	91.8	29.56	91.3	30.52	90.9	31.47
	-9.0	**-10.0**	102.3	27.84	102.0	28.80	101.4	29.78	101.2	30.25	100.9	30.74	100.4	31.71	100.0	32.67
	-7.0	**-8.0**	108.9	28.58	108.3	29.56	107.8	30.54	107.5	31.04	107.2	31.53	106.7	32.51	106.1	33.49
	-5.0	**-6.0**	115.5	29.35	114.9	30.33	114.1	31.33	113.8	31.83	113.6	32.32	113.0	33.30	112.4	34.29
	-3.0	**-4.0**	122.1	30.11	121.5	31.12	120.7	32.10	120.4	32.60	120.1	33.11	119.3	34.10	118.7	35.10
	-1.0	**-2.0**	128.9	30.88	128.1	31.89	127.3	32.89	127.0	33.39	126.7	33.90	125.9	34.91	125.1	35.92
	0.0	**-1.0**	132.3	31.26	131.5	32.27	130.6	33.28	130.3	33.80	130.0	34.29	129.2	35.32	128.4	36.33
	2.0	**1.0**	139.2	32.05	138.3	33.06	137.5	34.07	137.0	34.59	136.6	35.11	135.6	36.12	134.7	37.15
	5.0	**4.0**	149.9	33.20	149.0	34.24	148.0	35.27	147.4	35.79	147.1	36.31	146.0	37.35	143.0	37.54
	7.0	**6.0**	156.8	33.99	155.7	35.03	154.6	36.09	154.0	36.61	153.4	37.13	152.3	38.17	143.0	35.93
	9.0	**7.8**	162.8	34.70	161.5	35.77	160.4	36.81	159.8	37.35	159.2	37.87	154.8	37.65	143.0	34.58
	12.0	**10.6**	172.2	35.83	170.8	36.89	169.7	37.96	168.9	38.50	166.7	38.41	154.8	35.48	143.0	32.59
	15.0	**13.5**	181.8	37.00	180.5	38.09	178.7	38.98	172.7	37.58	166.7	36.17	154.8	33.43	143.0	30.73
165.0 (120%)	-19.3	**-20.0**	71.7	24.53	71.7	25.46	71.4	26.39	71.2	26.85	71.1	27.31	70.9	28.24	70.6	29.17
	-15.0	**-16.0**	83.5	26.12	83.2	27.07	83.0	28.00	82.7	28.49	82.5	28.96	82.2	29.89	81.9	30.84
	-12.0	**-13.0**	92.6	27.32	92.3	28.28	91.8	29.23	91.6	29.72	91.5	30.19	91.0	31.14	90.7	32.10
	-9.0	**-10.0**	102.0	28.53	101.5	29.50	101.1	30.46	100.9	30.95	100.6	31.44	100.1	32.40	99.5	33.38
	-7.0	**-8.0**	108.4	29.34	107.8	30.32	107.2	31.28	107.2	31.77	106.9	32.27	106.3	33.25	105.8	34.23
	-5.0	**-6.0**	114.9	30.16	114.4	31.14	113.8	32.13	113.5	32.62	113.0	33.11	112.4	34.09	111.9	35.08
	-3.0	**-4.0**	121.5	30.98	120.9	31.96	120.2	32.95	119.9	33.44	119.6	33.96	118.8	34.94	118.2	35.95
	-1.0	**-2.0**	128.2	31.80	127.5	32.79	126.7	33.80	126.2	34.29	125.9	34.80	125.1	35.79	124.3	36.80
	0.0	**-1.0**	131.5	32.21	130.9	33.20	130.0	34.21	129.5	34.72	129.2	35.22	128.4	36.23	127.6	37.24
	2.0	**1.0**	138.3	33.03	137.5	34.04	136.6	35.06	136.1	35.57	135.8	36.09	134.7	37.10	131.2	36.90
	5.0	**4.0**	149.0	34.29	148.0	35.32	146.9	36.34	146.5	36.86	146.0	37.38	143.0	37.54	132.0	34.51
	7.0	**6.0**	155.4	35.14	154.5	36.17	153.4	37.21	152.9	37.73	152.3	38.25	143.0	35.93	132.0	33.03
	9.0	**7.8**	161.4	35.90	160.3	36.94	159.2	37.98	158.6	38.52	154.0	37.40	143.0	34.58	132.0	31.80
	12.0	**10.6**	170.6	37.11	169.4	38.17	165.0	37.97	159.4	36.60	154.0	35.26	143.0	32.59	132.0	29.99
	15.0	**13.5**	180.2	38.36	176.0	38.32	165.0	35.75	159.4	34.47	154.0	33.21	143.0	30.73	132.0	28.27
151.3 (110%)	-19.3	**-20.0**	71.7	25.10	71.4	26.03	71.2	26.94	71.1	27.40	70.9	27.86	70.8	28.79	70.6	29.72
	-15.0	**-16.0**	83.3	26.80	83.0	27.73	82.7	28.68	82.4	29.15	82.4	29.61	81.9	30.54	81.6	31.49
	-12.0	**-13.0**	92.3	28.08	91.8	29.02	91.5	29.97	91.3	30.46	91.2	30.92	90.7	31.88	90.4	32.83
	-9.0	**-10.0**	101.7	29.37	101.2	30.32	100.6	31.28	100.3	31.77	100.1	32.26	99.7	33.22	99.2	34.18
	-7.0	**-8.0**	108.0	30.22	107.5	31.20	106.9	32.18	106.6	32.65	106.3	33.14	105.8	34.12	105.2	35.10
	-5.0	**-6.0**	114.4	31.09	113.8	32.07	113.2	33.06	112.7	33.55	112.4	34.04	111.9	35.02	111.3	36.00
	-3.0	**-4.0**	120.9	31.97	120.2	32.95	119.6	33.96	119.1	34.45	118.8	34.94	118.2	35.92	117.4	36.91
	-1.0	**-2.0**	127.3	32.86	126.7	33.85	125.9	34.86	125.6	35.35	125.1	35.84	124.3	36.85	119.6	36.11
	0.0	**-1.0**	130.6	33.30	130.0	34.29	129.2	35.30	128.7	35.79	128.4	36.31	127.5	37.31	119.9	35.28
	2.0	**1.0**	137.3	34.18	136.4	35.19	135.6	36.20	135.2	36.72	134.7	37.21	130.1	36.64	120.2	33.70
	5.0	**4.0**	147.7	35.55	146.8	36.56	145.7	37.59	145.2	38.09	141.1	37.03	130.9	34.26	121.0	31.53
	7.0	**6.0**	154.2	36.45	153.1	37.49	151.2	38.14	146.0	36.80	141.1	35.44	130.9	32.79	121.0	30.19
	9.0	**7.8**	159.8	37.27	158.7	38.31	151.2	36.69	146.0	35.38	141.1	34.10	130.9	31.56	121.0	29.07
	12.0	**10.6**	168.9	38.58	161.2	37.04	151.2	34.58	146.0	33.38	141.1	32.15	130.9	29.77	121.0	27.42
	15.0	**13.5**	171.3	37.25	161.2	34.91	151.2	32.59	146.0	31.44	141.1	30.32	130.9	28.08	121.0	25.87

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ✳396LALH

● Capacity : 137.5 kW (44HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
137.5 (100%)	-19.3	-20.0	71.5	25.78	71.2	26.69	71.1	27.62	70.9	28.08	70.9	28.54	70.6	29.47	70.3	30.38
	-15.0	-16.0	83.0	27.59	82.7	28.52	82.4	29.47	82.2	29.94	82.1	30.40	81.8	31.33	81.3	32.28
	-12.0	-13.0	92.0	28.96	91.5	29.91	91.2	30.86	91.0	31.33	90.7	31.80	90.4	32.75	89.9	33.71
	-9.0	-10.0	101.1	30.35	100.6	31.31	100.1	32.26	100.0	32.75	99.7	33.22	99.2	34.20	98.6	35.15
	-7.0	-8.0	107.4	31.28	106.9	32.24	106.3	33.22	106.1	33.71	105.8	34.18	105.2	35.15	104.7	36.11
	-5.0	-6.0	113.6	32.21	113.0	33.19	112.4	34.17	112.1	34.66	111.8	35.13	111.3	36.11	108.3	36.01
	-3.0	-4.0	120.1	33.17	119.3	34.15	118.7	35.13	118.2	35.62	117.9	36.11	117.3	37.10	108.6	34.31
	-1.0	-2.0	126.5	34.12	125.7	35.11	124.8	36.09	124.5	36.58	124.2	37.10	117.9	35.54	108.9	32.72
	0.0	-1.0	129.7	34.59	128.9	35.60	128.1	36.58	127.6	37.07	127.1	37.52	118.0	34.71	108.9	31.97
	2.0	1.0	136.1	35.57	135.3	36.56	134.4	37.56	132.0	37.17	127.3	35.83	118.3	33.17	109.2	30.55
	5.0	4.0	146.3	37.02	145.2	38.03	137.5	36.01	132.8	34.76	128.2	33.50	119.0	31.04	110.0	28.58
	7.0	6.0	152.8	38.01	146.6	36.91	137.5	34.48	132.8	33.28	128.2	32.08	119.0	29.72	110.0	27.38
	9.0	7.8	155.7	37.87	146.6	35.51	137.5	33.17	132.8	32.02	128.2	30.87	119.0	28.60	110.0	26.37
	12.0	10.6	155.6	35.70	146.6	33.49	137.5	31.28	132.8	30.21	128.2	29.12	119.0	26.99	110.0	24.89
	15.0	13.5	155.7	33.63	146.6	31.55	137.5	29.50	132.8	28.48	128.2	27.47	119.0	25.46	110.0	23.49
123.8 (90%)	-19.3	-20.0	71.4	26.60	71.1	27.51	70.9	28.43	70.8	28.90	70.6	29.36	70.3	30.29	70.3	31.19
	-15.0	-16.0	82.7	28.55	82.4	29.48	82.1	30.43	81.9	30.89	81.8	31.36	81.3	32.29	81.0	33.21
	-12.0	-13.0	91.5	30.05	91.2	30.98	90.7	31.93	90.4	32.40	90.4	32.86	89.8	33.81	89.5	34.77
	-9.0	-10.0	100.6	31.55	100.0	32.50	99.5	33.44	99.2	33.93	99.2	34.39	98.6	35.35	97.1	35.77
	-7.0	-8.0	106.6	32.56	106.1	33.52	105.5	34.47	105.3	34.96	105.0	35.43	104.4	36.39	97.3	33.98
	-5.0	-6.0	112.7	33.57	112.2	34.53	111.6	35.51	111.3	36.00	111.0	36.47	105.6	35.08	97.6	32.32
	-3.0	-4.0	119.0	34.61	118.4	35.57	117.6	36.55	117.3	37.04	114.1	36.08	105.9	33.43	97.6	30.80
	-1.0	-2.0	125.3	35.63	124.5	36.61	122.4	36.98	118.3	35.69	114.4	34.41	106.1	31.87	97.9	29.38
	0.0	-1.0	128.4	36.17	127.6	37.15	122.6	36.11	118.5	34.87	114.4	33.62	106.2	31.16	98.1	28.72
	2.0	1.0	134.7	37.21	131.1	36.90	122.9	34.49	118.8	33.31	114.7	32.11	106.4	29.76	98.2	27.44
	5.0	4.0	140.2	36.78	132.0	34.51	123.7	32.27	119.6	31.15	115.5	30.05	107.2	27.87	99.0	25.71
	7.0	6.0	140.2	35.21	131.9	33.03	123.7	30.90	119.6	29.83	115.5	28.77	107.2	26.69	99.0	24.64
	9.0	7.8	140.2	33.88	132.0	31.80	123.7	29.73	119.6	28.71	115.5	27.70	107.2	25.71	99.0	23.74
	12.0	10.6	140.2	31.94	131.9	29.99	123.7	28.05	119.6	27.10	115.5	26.16	107.2	24.28	99.0	22.42
	15.0	13.5	140.2	30.10	132.0	28.27	123.7	26.47	119.6	25.57	115.5	24.67	107.2	22.91	99.0	21.17
110.0 (80%)	-19.3	-20.0	71.1	27.62	70.9	28.54	70.6	29.45	70.6	29.91	70.3	30.37	70.0	31.30	70.0	32.20
	-15.0	-16.0	82.2	29.75	81.9	30.67	81.6	31.60	81.6	32.07	81.3	32.53	81.0	33.46	80.7	34.39
	-12.0	-13.0	91.0	31.36	90.6	32.31	90.1	33.24	89.9	33.71	89.8	34.19	89.3	35.12	85.8	34.36
	-9.0	-10.0	99.8	33.02	99.2	33.95	98.9	34.91	98.6	35.37	98.3	35.86	93.5	34.40	86.3	31.72
	-7.0	-8.0	105.8	34.12	105.2	35.07	104.7	36.03	104.4	36.49	100.9	35.27	93.7	32.70	86.4	30.16
	-5.0	-6.0	111.8	35.24	111.1	36.19	108.3	36.01	104.7	34.78	101.2	33.55	93.8	31.11	86.6	28.70
	-3.0	-4.0	117.9	36.36	115.8	36.68	108.6	34.31	105.0	33.13	101.4	31.96	94.1	29.65	86.9	27.36
	-1.0	-2.0	123.4	37.26	116.1	34.98	108.9	32.72	105.3	31.60	101.5	30.50	94.3	28.29	87.1	26.10
	0.0	-1.0	123.5	36.40	116.3	34.17	108.9	31.97	105.3	30.88	101.7	29.79	94.3	27.65	87.2	25.53
	2.0	1.0	123.9	34.76	116.6	32.63	109.2	30.55	105.6	29.51	102.0	28.48	94.6	26.43	87.5	24.40
	5.0	4.0	124.6	32.51	117.2	30.54	110.0	28.58	106.2	27.62	102.6	26.67	95.2	24.75	88.0	22.87
	7.0	6.0	124.6	31.12	117.2	29.26	110.0	27.38	106.2	26.47	102.6	25.55	95.2	23.72	88.0	21.94
	9.0	7.8	124.6	29.97	117.2	28.16	110.0	26.37	106.2	25.49	102.6	24.61	95.2	22.86	88.0	21.14
	12.0	10.6	124.6	28.27	117.2	26.58	109.9	24.89	106.2	24.07	102.6	23.24	95.2	21.61	88.0	19.97
	15.0	13.5	124.6	26.66	117.2	25.07	109.9	23.49	106.2	22.72	102.6	21.93	95.2	20.40	88.0	18.88
96.3 (70%)	-19.3	-20.0	70.8	28.92	70.6	29.85	70.3	30.75	70.3	31.21	70.0	31.65	69.8	32.58	69.5	33.48
	-15.0	-16.0	81.8	31.27	81.3	32.20	81.0	33.12	81.0	33.59	80.7	34.03	80.5	34.96	74.8	32.67
	-12.0	-13.0	90.1	33.05	89.8	33.98	89.3	34.93	89.3	35.39	87.7	35.09	81.4	32.55	75.1	30.03
	-9.0	-10.0	98.9	34.88	98.3	35.81	94.3	34.76	91.3	33.58	88.0	32.40	81.7	30.06	75.4	27.76
	-7.0	-8.0	104.7	36.10	100.9	35.27	94.6	33.00	91.3	31.88	88.3	30.79	81.9	28.57	75.6	26.39
	-5.0	-6.0	107.5	35.71	101.2	33.55	94.8	31.41	91.6	30.35	88.5	29.30	82.2	27.20	75.9	25.13
	-3.0	-4.0	107.8	34.01	101.4	31.96	94.9	29.93	91.8	28.92	88.6	27.93	82.2	25.94	75.9	23.97
	-1.0	-2.0	108.0	32.44	101.5	30.50	95.2	28.56	92.1	27.60	88.8	26.65	82.5	24.76	76.2	22.90
	0.0	-1.0	108.1	31.70	101.7	29.79	95.4	27.91	92.1	26.98	89.1	26.05	82.5	24.21	76.2	22.38
	2.0	1.0	108.3	30.28	102.0	28.48	95.4	26.67	92.4	25.80	89.1	24.92	82.8	23.15	76.5	21.42
	5.0	4.0	108.9	28.34	102.6	26.67	96.2	25.00	92.9	24.16	89.7	23.34	83.3	21.70	77.0	20.08
	7.0	6.0	108.9	27.16	102.6	25.55	96.2	23.96	92.9	23.17	89.7	22.38	83.3	20.82	77.0	19.29
	9.0	7.8	108.9	26.15	102.6	24.61	96.2	23.08	92.9	22.32	89.7	21.56	83.3	20.08	77.0	18.58
	12.0	10.6	108.9	24.69	102.6	23.24	96.2	21.80	92.9	21.09	89.7	20.38	83.3	18.98	77.0	17.59
	15.0	13.5	108.9	23.30	102.6	21.93	96.2	20.59	92.9	19.94	89.7	19.26	83.3	17.94	77.0	16.63
82.5 (60%)	-19.3	-20.0	70.3	30.64	70.0	31.56	69.8	32.47	69.7	32.91	69.7	33.37	69.2	34.13	63.8	31.56
	-15.0	-16.0	81.0	33.26	80.7	34.19	80.2	34.99	77.5	33.82	74.8	32.67	69.6	30.34	64.1	28.02
	-12.0	-13.0	89.3	35.28	85.8	34.36	80.6	32.19	77.8	31.10	75.1	30.03	69.8	27.90	64.4	25.79
	-9.0	-10.0	91.6	33.74	86.3	31.72	80.8	29.73	78.1	28.74	75.4	27.76	70.1	25.81	64.6	23.87
	-7.0	-8.0	91.8	32.05	86.4	30.16	81.1	28.27	78.3	27.32	75.6	26.39	70.1	24.55	64.9	22.69
	-5.0	-6.0	92.1	30.51	86.6	28.70	81.1	26.90	78.4	26.02	75.9	25.13	70.4	23.37	64.9	21.63
	-3.0	-4.0	92.4	29.06	86.9	27.36	81.4	25.66	78.6	24.82	75.9	23.97	70.6	22.30	65.1	20.66
	-1.0	-2.0	92.4	27.74	87.1	26.10	81.6	24.49	78.9	23.70	76.2	22.90	70.7	21.32	65.2	19.73
	0.0	-1.0	92.6	27.11	87.2	25.53	81.7	23.94	78.9	23.17	76.2	22.38	70.7	20.85	65.4	19.30
	2.0	1.0	92.9	25.93	87.5	24.40	82.0	22.90	79.2	22.16	76.5	21.42	71.0	19.95	65.4	18.48
	5.0	4.0	93.5	24.29	88.0	22.87	82.5	21.48	79.5	20.79	77.0	20.08	71.5	18.72	66.0	17.35
	7.0	6.0	93.5	23.28	88.0	21.94	82.5	20.60	79.7	19.94	77.0	19.29	71.5	17.97	66.0	16.67
	9.0	7.8	93.5	22.43	88.0	21.14	82.5	19.86	79.7	19.21	77.0	18.58	71.5	17.32	66.0	16.09
	12.0	10.6	93.5	21.20	88.0	19.97	82.5	18.77	79.7	18.19	77.0	17.59	71.5	16.41	66.0	15.24
	15.0	13.5	93.5	20.02	87.9	18.88	82.5	17.75	79.7	17.18	77.0	16.63	71.5	15.52	66.0	14.42
68.8 (50%)	-19.3	-20.0	69.7	33.03	69.4	33.93	66.5	32.85	64.3	31.78	62.1	30.68	57.7	28.52	53.3	26.38
	-15.0	-16.0	75.9	33.05	71.2	31.11	66.8	29.17	64.6	28.21	62.4	27.25	58.0	25.36	53.4	23.47
	-12.0	-13.0	76.1	30.39	71.5	28.61	67.1	26.86	64.9	25.98	62.7	25.11	58.0	23.36	53.6	21.63
	-9.0	-10.0	76.4	28.08	71.8	26.44	67.4	24.83	65.1	24.03	62.9	23.22	58.3	21.63	53.9	20.04
	-7.0	-8.0	76.5	26.71	72.0	25.15	67.4	23.62	65.2	22.86	63.0	22.09	58.5	20.59	53.9	19.08
	-5.0	-6.0	76.7	25.43	72.1	23.95	67.6	22.50	65.4	21.79	63.2	21.05	58.6	19.63	54.1	18.20
	-3.0	-4.0	77.0	24.25	72.3	22.85	67.9	21.48	65.5	20.78	63.2	20.09	58.8	18.75	54.2	17.39
	-1.0	-2.0	77.0	23.15	72.6	21.84	67.9	20.52	65.7	19.87	63.5	19.21	58.9	17.93	54.4	16.64
	0.0	-1.0	77.2	22.65	72.6	21.35	67.9	20.06	65.7	19.43	63.5	18.80	58.9	17.54	54.4	16.29
	2.0	1.0	77.3	21.67	72.9	20.44	68.2	19.21	66.0	18.61	63.6	18.01	59.1	16.80	54.6	15.60
	5.0	4.0	77.8	20.33	73.2	19.18	68.7	18.03	66.3	17.46	64.1	16.91	59.4	15.79	55.0	14.67
	7.0	6.0	77.8	19.50	73.2	18.39	68.7	17.32	66.3	16.77	64.1	16.23	59.4	15.16	55.0	14.10
	9.0	7.8	77.8	18.80	73.2	17.75	68.7	16.70	66.3	16.18	64.1	15.68	59.4	14.64	55.0	13.63
	12.0	10.6	77.8	17.78	73.2	16.80	68.7	15.82	66.3	15.33	64.1	14.84	59.4	13.88	55.0	12.92
	15.0	13.5	77.8	16.82	73.2	15.90	68.7	14.97	66.3	14.51	64.1	14.07	59.4	13.16	55.0	12.26

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ∗414LALH

● Capacity : 145.0 kW (46HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
217.5 (150%)	-19.3	**-20.0**	76.0	24.75	75.9	25.74	75.7	26.72	75.4	27.22	75.4	27.71	75.1	28.70	74.9	29.69
	-15.0	**-16.0**	88.5	26.20	88.2	27.21	87.9	28.23	87.8	28.72	87.6	29.22	87.3	30.23	87.0	31.25
	-12.0	**-13.0**	98.3	27.30	98.0	28.32	97.7	29.33	97.4	29.85	97.2	30.35	96.8	31.37	96.3	32.41
	-9.0	**-10.0**	108.5	28.37	108.1	29.42	107.6	30.44	107.3	30.96	107.0	31.48	106.5	32.52	106.1	33.55
	-7.0	**-8.0**	115.4	29.10	114.9	30.14	114.3	31.19	114.0	31.71	113.7	32.24	113.1	33.28	112.6	34.33
	-5.0	**-6.0**	122.6	29.80	121.8	30.87	121.2	31.92	120.9	32.44	120.6	32.99	120.0	34.04	119.4	35.11
	-3.0	**-4.0**	129.7	30.53	129.0	31.60	128.4	32.67	127.9	33.20	127.6	33.74	127.0	34.80	126.2	35.87
	-1.0	**-2.0**	137.1	31.25	136.3	32.33	135.4	33.40	135.1	33.95	134.6	34.50	133.9	35.57	133.1	36.65
	0.0	**-1.0**	140.7	31.62	139.8	32.70	139.2	33.78	138.6	34.33	138.3	34.87	137.4	35.95	136.6	37.03
	2.0	**1.0**	148.2	32.35	147.3	33.43	146.4	34.53	145.9	35.08	145.5	35.63	144.5	36.71	143.6	37.81
	5.0	**4.0**	159.8	33.43	158.9	34.53	157.8	35.66	157.2	36.21	156.8	36.77	155.7	37.87	154.6	39.00
	7.0	**6.0**	167.1	34.16	166.1	35.28	165.0	36.41	164.4	36.97	163.8	37.52	162.7	38.65	161.5	39.78
	9.0	**7.8**	173.7	34.82	172.5	35.95	171.4	37.09	170.8	37.66	170.2	38.22	168.8	39.35	167.6	40.51
	12.0	**10.6**	184.1	35.86	182.7	37.00	181.3	38.16	180.7	38.74	180.1	39.32	178.6	40.46	174.0	40.36
	15.0	**13.5**	194.8	36.94	193.4	38.10	191.7	39.29	191.1	39.87	190.3	40.45	188.3	41.44	174.0	38.02
203.0 (140%)	-19.3	**-20.0**	76.0	25.13	75.7	26.11	75.6	27.10	75.4	27.59	75.4	28.09	75.1	29.08	74.8	30.06
	-15.0	**-16.0**	88.4	26.66	88.2	27.65	87.9	28.67	87.6	29.16	87.6	29.68	87.3	30.67	86.8	31.69
	-12.0	**-13.0**	98.3	27.80	97.8	28.81	97.4	29.83	97.2	30.35	96.9	30.85	96.6	31.89	96.3	32.90
	-9.0	**-10.0**	108.2	28.93	107.9	29.97	107.3	31.01	107.0	31.51	106.7	32.04	106.4	33.08	105.8	34.10
	-7.0	**-8.0**	115.1	29.69	114.6	30.73	114.0	31.78	113.7	32.30	113.4	32.82	112.8	33.87	112.3	34.91
	-5.0	**-6.0**	122.1	30.46	121.5	31.51	120.9	32.56	120.6	33.08	120.3	33.63	119.7	34.68	118.9	35.72
	-3.0	**-4.0**	129.3	31.22	128.5	32.29	127.9	33.34	127.6	33.89	127.3	34.41	126.4	35.49	125.8	36.54
	-1.0	**-2.0**	136.6	31.98	135.7	33.05	134.9	34.13	134.6	34.67	134.2	35.20	133.4	36.28	132.5	37.37
	0.0	**-1.0**	140.1	32.38	139.2	33.45	138.6	34.53	138.1	35.06	137.7	35.61	136.9	36.68	136.0	37.78
	2.0	**1.0**	147.6	33.14	146.7	34.24	145.6	35.32	145.3	35.87	144.7	36.42	143.8	37.50	143.0	38.60
	5.0	**4.0**	159.0	34.30	158.0	35.40	156.9	36.51	156.6	37.06	156.0	37.61	154.9	38.74	153.7	39.84
	7.0	**6.0**	166.2	35.08	165.0	36.19	164.1	37.32	163.5	37.87	162.9	38.43	161.8	39.55	160.6	40.68
	9.0	**7.8**	172.8	35.78	171.6	36.91	170.3	38.04	169.7	38.60	169.1	39.17	167.9	40.31	162.3	39.76
	12.0	**10.6**	182.9	36.91	181.5	38.04	180.1	39.18	179.5	39.76	178.9	40.33	175.8	40.83	162.3	37.49
	15.0	**13.5**	193.4	38.07	191.9	39.21	190.5	40.37	189.7	40.95	189.0	41.53	175.8	38.46	162.3	35.32
188.5 (130%)	-19.3	**-20.0**	76.0	25.58	75.7	26.55	75.4	27.54	75.4	28.03	75.2	28.52	75.1	29.51	74.8	30.50
	-15.0	**-16.0**	88.2	27.18	87.9	28.18	87.6	29.19	87.6	29.68	87.3	30.18	87.0	31.19	86.7	32.20
	-12.0	**-13.0**	98.0	28.38	97.5	29.39	97.2	30.41	96.9	30.93	96.8	31.43	96.3	32.44	96.0	33.46
	-9.0	**-10.0**	107.9	29.59	107.6	30.61	107.0	31.65	106.7	32.15	106.4	32.67	105.9	33.72	105.5	34.74
	-7.0	**-8.0**	114.8	30.38	114.3	31.43	113.7	32.47	113.4	32.99	113.1	33.51	112.5	34.56	111.9	35.60
	-5.0	**-6.0**	121.8	31.19	121.2	32.24	120.4	33.31	120.1	33.83	119.8	34.35	119.2	35.40	118.6	36.45
	-3.0	**-4.0**	128.8	32.01	128.1	33.08	127.3	34.13	127.0	34.65	126.7	35.20	125.9	36.25	125.3	37.32
	-1.0	**-2.0**	136.0	32.82	135.1	33.89	134.3	34.97	134.0	35.49	133.6	36.04	132.8	37.11	131.9	38.19
	0.0	**-1.0**	139.5	33.23	138.6	34.30	137.8	35.38	137.5	35.92	137.1	36.45	136.3	37.55	135.4	38.62
	2.0	**1.0**	146.7	34.06	145.9	35.14	145.0	36.22	144.4	36.77	144.1	37.32	143.0	38.39	142.1	39.49
	5.0	**4.0**	158.1	35.29	157.1	36.39	156.0	37.49	155.5	38.04	155.1	38.60	154.0	39.70	150.8	39.90
	7.0	**6.0**	165.3	36.13	164.1	37.23	163.0	38.36	162.4	38.91	161.8	39.47	160.7	40.57	150.8	38.19
	9.0	**7.8**	171.6	36.88	170.3	38.01	169.1	39.12	168.5	39.70	167.9	40.25	163.3	40.02	150.8	36.76
	12.0	**10.6**	181.5	38.07	180.1	39.21	178.9	40.34	178.1	40.92	175.8	40.83	163.3	37.72	150.8	34.65
	15.0	**13.5**	191.7	39.32	190.2	40.48	188.5	41.44	182.1	39.96	175.8	38.46	163.3	35.55	150.8	32.67
174.0 (120%)	-19.3	**-20.0**	75.7	26.08	75.7	27.07	75.4	28.06	75.1	28.55	75.1	29.04	74.8	30.03	74.6	31.01
	-15.0	**-16.0**	88.1	27.77	87.8	28.78	87.5	29.77	87.3	30.29	87.0	30.79	86.7	31.78	86.4	32.79
	-12.0	**-13.0**	97.7	29.05	97.4	30.06	96.9	31.08	96.6	31.60	96.6	32.09	96.0	33.11	95.7	34.13
	-9.0	**-10.0**	107.6	30.32	107.0	31.36	106.7	32.38	106.4	32.90	106.1	33.43	105.6	34.45	105.0	35.49
	-7.0	**-8.0**	114.3	31.19	113.7	32.23	113.1	33.26	113.1	33.78	112.8	34.30	112.2	35.34	111.6	36.39
	-5.0	**-6.0**	121.2	32.06	120.6	33.11	120.0	34.15	119.7	34.67	119.2	35.20	118.6	36.24	118.0	37.29
	-3.0	**-4.0**	128.2	32.93	127.6	33.98	126.7	35.03	126.4	35.55	126.1	36.10	125.3	37.15	124.7	38.21
	-1.0	**-2.0**	135.2	33.80	134.5	34.85	133.7	35.92	133.1	36.45	132.8	37.00	132.0	38.05	131.1	39.12
	0.0	**-1.0**	138.7	34.24	138.0	35.29	137.1	36.36	136.6	36.91	136.3	37.44	135.4	38.51	134.6	39.58
	2.0	**1.0**	145.9	35.11	145.0	36.19	144.1	37.26	143.6	37.81	143.2	38.36	142.1	39.44	138.3	39.21
	5.0	**4.0**	157.1	36.45	156.0	37.55	154.9	38.63	154.5	39.18	154.0	39.73	150.8	39.90	139.2	36.68
	7.0	**6.0**	163.9	37.34	162.9	38.45	161.8	39.55	161.2	40.10	160.6	40.66	150.8	38.19	139.2	35.11
	9.0	**7.8**	170.2	38.16	169.0	39.26	167.9	40.37	167.3	40.94	162.4	39.76	150.8	36.76	139.2	33.80
	12.0	**10.6**	179.8	39.43	178.6	40.57	174.0	40.36	168.2	38.92	162.4	37.49	150.8	34.65	139.2	31.89
	15.0	**13.5**	189.9	40.77	185.6	40.75	174.0	38.02	168.2	36.65	162.4	35.32	150.8	32.67	139.2	30.06
159.5 (110%)	-19.3	**-20.0**	75.7	26.69	75.4	27.68	75.1	28.64	75.1	29.13	74.9	29.63	74.8	30.61	74.5	31.60
	-15.0	**-16.0**	87.9	28.49	87.6	29.48	87.3	30.49	87.0	30.99	87.0	31.48	86.5	32.47	86.2	33.49
	-12.0	**-13.0**	97.4	29.85	96.9	30.85	96.6	31.86	96.3	32.38	96.3	32.88	95.7	33.89	95.4	34.91
	-9.0	**-10.0**	107.3	31.22	106.7	32.24	106.2	33.26	105.9	33.78	105.6	34.30	105.2	35.32	104.7	36.34
	-7.0	**-8.0**	113.9	32.12	113.4	33.17	112.8	34.21	112.5	34.71	112.2	35.23	111.6	36.27	111.1	37.31
	-5.0	**-6.0**	120.6	33.05	120.0	34.10	119.4	35.14	118.9	35.66	118.6	36.19	118.0	37.23	117.4	38.28
	-3.0	**-4.0**	127.6	33.98	126.7	35.03	126.1	36.10	125.6	36.62	125.3	37.14	124.7	38.19	123.8	39.24
	-1.0	**-2.0**	134.3	34.93	133.7	35.98	132.8	37.05	132.5	37.58	132.0	38.10	131.1	39.17	126.2	38.36
	0.0	**-1.0**	137.8	35.40	137.1	36.45	136.3	37.52	135.7	38.05	135.4	38.59	134.5	39.67	126.4	37.49
	2.0	**1.0**	144.7	36.33	143.9	37.41	143.0	38.48	142.6	39.03	142.1	39.56	137.2	38.94	126.7	35.81
	5.0	**4.0**	155.7	37.78	154.8	38.86	153.7	39.96	153.1	40.49	148.8	39.35	138.1	36.41	127.6	33.51
	7.0	**6.0**	162.6	38.74	161.5	39.84	159.5	40.54	154.0	39.11	148.8	37.67	138.1	34.85	127.6	32.09
	9.0	**7.8**	168.5	39.62	167.4	40.72	159.5	39.00	154.0	37.61	148.8	36.25	138.1	33.55	127.6	30.90
	12.0	**10.6**	178.0	41.00	170.0	39.38	159.5	36.77	154.0	35.49	148.8	34.19	138.1	31.66	127.6	29.16
	15.0	**13.5**	180.6	39.61	170.0	37.11	159.5	34.65	154.0	33.43	148.8	32.24	138.1	29.86	127.6	27.51

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ∗414LALH

● Capacity : 145.0 kW (46HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
145.0 (100%)	-19.3	-20.0	75.4	27.41	75.2	28.38	75.1	29.36	74.9	29.86	74.8	30.35	74.5	31.34	74.3	32.30
	-15.0	-16.0	87.6	29.33	87.3	30.32	87.0	31.33	86.7	31.83	86.7	32.32	86.4	33.31	85.9	34.33
	-12.0	-13.0	97.1	30.79	96.6	31.80	96.3	32.82	96.0	33.31	95.7	33.81	95.4	34.82	94.9	35.84
	-9.0	-10.0	106.7	32.27	106.2	33.28	105.6	34.30	105.5	34.82	105.2	35.32	104.7	36.36	104.1	37.37
	-7.0	-8.0	113.3	33.25	112.8	34.27	112.2	35.31	111.9	35.83	111.6	36.33	111.0	37.37	110.5	38.40
	-5.0	-6.0	119.8	34.24	119.2	35.29	118.6	36.33	118.3	36.85	118.0	37.35	117.4	38.40	114.3	38.25
	-3.0	-4.0	126.7	35.26	125.9	36.30	125.3	37.35	124.7	37.87	124.4	38.39	123.8	39.44	114.5	36.44
	-1.0	-2.0	133.4	36.27	132.5	37.32	131.7	38.37	131.4	38.89	131.1	39.43	124.4	37.75	114.8	34.76
	0.0	-1.0	136.8	36.77	136.0	37.84	135.1	38.89	134.6	39.41	134.0	39.87	124.4	36.88	114.9	33.97
	2.0	1.0	143.6	37.81	142.7	38.86	141.8	39.93	139.2	39.50	134.3	38.07	124.7	35.25	115.1	32.47
	5.0	4.0	154.3	39.35	153.2	40.43	145.0	38.28	140.1	36.94	135.2	35.61	125.6	32.99	116.0	30.38
	7.0	6.0	161.1	40.40	154.6	39.23	145.0	36.65	140.1	35.37	135.2	34.10	125.6	31.60	116.0	29.10
	9.0	7.8	164.2	40.25	154.6	37.75	145.0	35.26	140.1	34.04	135.2	32.82	125.6	30.41	116.0	28.03
	12.0	10.6	164.2	37.96	154.6	35.60	145.0	33.26	140.1	32.12	135.2	30.96	125.6	28.70	116.0	26.46
	15.0	13.5	164.2	35.76	154.6	33.55	145.0	31.37	140.1	30.29	135.2	29.22	125.6	27.07	116.0	24.98
130.5 (90%)	-19.3	-20.0	75.4	28.29	75.1	29.25	74.8	30.24	74.8	30.73	74.6	31.22	74.3	32.21	74.2	33.17
	-15.0	-16.0	87.3	30.35	87.0	31.34	86.7	32.35	86.4	32.85	86.4	33.34	85.9	34.33	85.6	35.32
	-12.0	-13.0	96.6	31.94	96.2	32.94	95.7	33.95	95.5	34.45	95.4	34.94	94.9	35.95	94.5	36.97
	-9.0	-10.0	106.1	33.54	105.6	34.56	105.0	35.55	104.7	36.07	104.7	36.57	104.1	37.59	102.4	37.98
	-7.0	-8.0	112.5	34.61	111.9	35.63	111.4	36.65	111.1	37.17	110.8	37.67	110.2	38.69	102.6	36.09
	-5.0	-6.0	118.9	35.69	118.3	36.71	117.7	37.75	117.4	38.27	117.1	38.77	111.4	37.26	102.9	34.33
	-3.0	-4.0	125.6	36.79	124.9	37.81	124.1	38.86	123.8	39.38	120.3	38.33	111.6	35.51	103.0	32.73
	-1.0	-2.0	132.2	37.87	131.4	38.92	129.1	39.28	124.7	37.92	120.6	36.56	111.9	33.86	103.3	31.22
	0.0	-1.0	135.4	38.45	134.6	39.49	129.3	38.36	125.0	37.05	120.6	35.72	112.0	33.10	103.5	30.52
	2.0	1.0	142.1	39.55	138.3	39.21	129.6	36.65	125.3	35.40	120.9	34.12	112.2	31.63	103.6	29.16
	5.0	4.0	147.9	39.09	139.2	36.68	130.5	34.30	126.1	33.11	121.8	31.94	113.1	29.62	104.4	27.33
	7.0	6.0	147.9	37.43	139.2	35.11	130.5	32.84	126.1	31.71	121.8	30.59	113.1	28.38	104.4	26.20
	9.0	7.8	147.9	36.01	139.2	33.80	130.5	31.60	126.1	30.53	121.8	29.45	113.1	27.33	104.4	25.24
	12.0	10.6	147.9	33.95	139.2	31.89	130.5	29.83	126.1	28.81	121.8	27.82	113.1	25.82	104.4	23.84
	15.0	13.5	147.9	32.01	139.2	30.06	130.5	28.14	126.1	27.19	121.8	26.23	113.1	24.37	104.4	22.51
116.0 (80%)	-19.3	-20.0	75.1	29.37	74.8	30.35	74.5	31.31	74.5	31.81	74.3	32.30	74.0	33.28	73.9	34.24
	-15.0	-16.0	86.8	31.63	86.5	32.62	86.2	33.61	86.1	34.10	85.9	34.59	85.6	35.58	85.2	36.57
	-12.0	-13.0	96.0	33.35	95.7	34.36	95.1	35.35	94.9	35.84	94.8	36.36	94.3	37.35	90.5	36.47
	-9.0	-10.0	105.3	35.11	104.7	36.10	104.4	37.12	104.1	37.61	103.8	38.13	98.6	36.53	91.0	33.68
	-7.0	-8.0	111.6	36.27	111.1	37.29	110.5	38.31	110.2	38.80	106.4	37.46	98.8	34.73	91.1	32.03
	-5.0	-6.0	118.0	37.46	117.2	38.48	114.3	38.25	110.5	36.94	106.7	35.63	98.9	33.05	91.4	30.49
	-3.0	-4.0	124.4	38.66	122.1	38.97	114.5	36.44	110.7	35.19	107.0	33.95	99.2	31.50	91.6	29.07
	-1.0	-2.0	130.2	39.58	122.4	37.17	114.8	34.76	111.0	33.57	107.0	32.40	99.5	30.06	91.9	27.74
	0.0	-1.0	130.2	38.68	122.6	36.30	114.9	33.97	111.1	32.81	107.3	31.66	99.5	29.39	91.9	27.13
	2.0	1.0	130.5	36.94	122.9	34.68	115.1	32.47	111.3	31.36	107.6	30.26	99.8	28.09	92.2	25.94
	5.0	4.0	131.4	34.56	123.6	32.47	116.0	30.38	112.0	29.36	108.2	28.34	100.4	26.31	92.8	24.31
	7.0	6.0	131.4	33.08	123.6	31.10	116.0	29.10	112.0	28.14	108.2	27.16	100.4	25.22	92.8	23.32
	9.0	7.8	131.4	31.86	123.6	29.94	116.0	28.03	112.0	27.10	108.2	26.17	100.4	24.31	92.8	22.48
	12.0	10.6	131.4	30.06	123.6	28.26	116.0	26.46	112.0	25.59	108.2	24.72	100.4	22.97	92.8	21.24
	15.0	13.5	131.4	28.35	123.6	26.66	116.0	24.98	112.0	24.16	108.2	23.33	100.4	21.70	92.8	20.08
101.5 (70%)	-19.3	-20.0	74.8	30.76	74.5	31.74	74.2	32.70	74.2	33.20	74.0	33.67	73.7	34.65	73.4	35.61
	-15.0	-16.0	86.4	33.25	85.9	34.24	85.6	35.23	85.5	35.72	85.3	36.19	85.0	37.18	78.9	34.66
	-12.0	-13.0	95.2	35.15	94.8	36.13	94.3	37.14	94.2	37.64	92.5	37.25	85.9	34.55	79.2	31.88
	-9.0	-10.0	104.4	37.09	103.8	38.08	99.5	36.90	96.2	35.65	92.8	34.41	86.1	31.92	79.5	29.47
	-7.0	-8.0	110.5	38.39	106.4	37.46	99.7	35.05	96.3	33.86	93.1	32.70	86.4	30.35	79.7	28.03
	-5.0	-6.0	113.4	37.92	106.7	35.63	100.0	33.37	96.6	32.24	93.3	31.13	86.7	28.90	80.0	26.69
	-3.0	-4.0	113.6	36.13	107.0	33.95	100.1	31.80	96.8	30.73	93.4	29.68	86.7	27.56	80.1	25.47
	-1.0	-2.0	113.9	34.47	107.0	32.40	100.4	30.35	97.1	29.33	93.7	28.32	87.0	26.31	80.3	24.34
	0.0	-1.0	114.0	33.68	107.3	31.66	100.6	29.65	97.2	28.67	93.9	27.68	87.0	25.73	80.3	23.79
	2.0	1.0	114.2	32.18	107.6	30.26	100.7	28.35	97.4	27.42	94.0	26.48	87.3	24.60	80.6	22.77
	5.0	4.0	114.9	30.12	108.2	28.34	101.5	26.57	98.0	25.68	94.6	24.81	87.9	23.07	81.2	21.35
	7.0	6.0	114.9	28.87	108.2	27.16	101.5	25.47	98.0	24.63	94.6	23.79	87.9	22.13	81.2	20.50
	9.0	7.8	114.9	27.80	108.2	26.17	101.5	24.54	98.0	23.73	94.6	22.92	87.9	21.35	81.2	19.76
	12.0	10.6	114.9	26.26	108.2	24.72	101.5	23.18	98.0	22.43	94.6	21.67	87.9	20.19	81.2	18.71
	15.0	13.5	114.9	24.78	108.2	23.33	101.5	21.90	98.0	21.20	94.6	20.48	87.9	19.08	81.2	17.69
87.0 (60%)	-19.3	-20.0	74.3	32.59	74.0	33.57	73.7	34.53	73.7	35.00	73.6	35.49	73.0	36.23	67.3	33.47
	-15.0	-16.0	85.6	35.38	85.3	36.36	84.7	37.16	81.8	35.89	78.9	34.66	73.4	32.20	67.6	29.73
	-12.0	-13.0	94.3	37.52	90.5	36.47	85.0	34.17	82.1	33.02	79.2	31.88	73.6	29.62	67.9	27.39
	-9.0	-10.0	96.6	35.83	91.0	33.69	85.3	31.57	82.4	30.52	79.5	29.47	73.9	27.41	68.2	25.35
	-7.0	-8.0	96.9	34.04	91.1	32.03	85.5	30.02	82.6	29.01	79.7	28.03	74.0	26.07	68.4	24.11
	-5.0	-6.0	97.1	32.41	91.4	30.49	85.6	28.58	82.7	27.64	80.0	26.69	74.2	24.83	68.5	22.98
	-3.0	-4.0	97.4	30.87	91.6	29.07	85.8	27.27	82.9	26.37	80.1	25.47	74.5	23.70	68.7	21.95
	-1.0	-2.0	97.5	29.48	91.9	27.74	86.1	26.02	83.2	25.18	80.3	24.34	74.5	22.65	68.8	20.97
	0.0	-1.0	97.7	28.81	91.9	27.12	86.1	25.44	83.2	24.63	80.3	23.79	74.6	22.16	69.0	20.51
	2.0	1.0	98.0	27.56	92.2	25.94	86.4	24.34	83.5	23.55	80.6	22.77	74.8	21.20	69.0	19.64
	5.0	4.0	98.6	25.82	92.8	24.31	87.0	22.83	83.9	22.10	81.2	21.35	75.4	19.90	69.6	18.45
	7.0	6.0	98.6	24.75	92.8	23.32	87.0	21.90	84.1	21.20	81.2	20.50	75.4	19.11	69.6	17.72
	9.0	7.8	98.6	23.85	92.8	22.48	87.0	21.12	84.1	20.43	81.2	19.76	75.4	18.42	69.6	17.11
	12.0	10.6	98.6	22.54	92.8	21.24	87.0	19.96	84.1	19.34	81.2	18.71	75.4	17.46	69.6	16.21
	15.0	13.5	98.6	21.29	92.8	20.08	87.0	18.88	84.1	18.28	81.2	17.69	75.4	16.50	69.6	15.34
72.5 (50%)	-19.3	-20.0	73.7	35.14	73.4	36.10	70.2	34.84	67.8	33.70	65.5	32.55	60.9	30.25	56.2	27.99
	-15.0	-16.0	80.0	35.07	75.1	33.01	70.5	30.95	68.1	29.94	65.8	28.92	61.2	26.92	56.3	24.91
	-12.0	-13.0	80.3	32.26	75.4	30.38	70.8	28.51	68.4	27.58	66.1	26.65	61.2	24.80	56.6	22.97
	-9.0	-10.0	80.6	29.82	75.7	28.08	71.0	26.37	68.7	25.52	66.4	24.66	61.5	22.97	56.8	21.29
	-7.0	-8.0	80.6	28.37	76.0	26.72	71.1	25.09	68.7	24.28	66.4	23.47	61.7	21.87	56.9	20.27
	-5.0	-6.0	80.9	27.01	76.0	25.44	71.3	23.90	69.0	23.14	66.7	22.37	61.8	20.85	57.1	19.34
	-3.0	-4.0	81.2	25.76	76.3	24.28	71.6	22.83	69.0	22.08	66.7	21.35	62.0	19.92	57.1	18.48
	-1.0	-2.0	81.2	24.60	76.5	23.21	71.6	21.81	69.3	21.12	67.0	20.42	62.1	19.05	57.4	17.69
	0.0	-1.0	81.4	24.07	76.6	22.69	71.7	21.32	69.3	20.65	67.0	19.98	62.1	18.64	57.4	17.31
	2.0	1.0	81.5	23.03	76.8	21.72	71.9	20.42	69.6	19.78	67.0	19.14	62.3	17.86	57.4	16.59
	5.0	4.0	82.1	21.61	77.2	20.39	72.5	19.17	69.9	18.57	67.6	17.98	62.7	16.79	58.0	15.60
	7.0	6.0	82.1	20.74	77.2	19.55	72.5	18.41	69.9	17.84	67.6	17.26	62.7	16.12	58.0	14.99
	9.0	7.8	82.1	19.99	77.2	18.88	72.5	17.75	69.9	17.20	67.6	16.67	62.7	15.57	58.0	14.49
	12.0	10.6	82.1	18.91	77.2	17.87	72.5	16.82	69.9	16.30	67.6	15.78	62.7	14.76	58.0	13.74
	15.0	13.5	82.1	17.89	77.2	16.91	72.5	15.92	69.9	15.43	67.6	14.96	62.7	14.00	58.0	13.04

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ∗432LALH

● Capacity : 150.0 kW (48HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
225.0 (150%)	-19.3	-20.0	78.6	25.50	78.6	26.52	78.3	27.54	78.0	28.05	78.0	28.56	77.7	29.58	77.4	30.60
	-15.0	-16.0	91.5	27.00	91.2	28.05	90.9	29.10	90.9	29.61	90.6	30.12	90.3	31.17	90.0	32.22
	-12.0	-13.0	101.7	28.14	101.4	29.19	101.1	30.24	100.8	30.78	100.5	31.29	100.2	32.34	99.6	33.42
	-9.0	-10.0	112.2	29.25	111.9	30.33	111.3	31.38	111.0	31.92	110.7	32.46	110.1	33.54	109.8	34.59
	-7.0	-8.0	119.4	30.00	118.8	31.08	118.2	32.16	117.9	32.70	117.6	33.24	117.0	34.32	116.4	35.40
	-5.0	-6.0	126.9	30.72	126.0	31.83	125.4	32.91	125.1	33.45	124.8	34.02	124.2	35.10	123.6	36.21
	-3.0	-4.0	134.1	31.47	133.5	32.58	132.9	33.69	132.3	34.23	132.0	34.80	131.4	35.88	130.5	36.99
	-1.0	-2.0	141.9	32.22	141.0	33.33	140.1	34.44	139.8	35.01	139.2	35.58	138.6	36.69	137.7	37.80
	0.0	-1.0	145.5	32.61	144.6	33.72	144.0	34.83	143.4	35.40	143.1	35.97	142.2	37.08	141.3	38.19
	2.0	1.0	153.3	33.36	152.4	34.47	151.5	35.61	150.9	36.18	150.6	36.75	149.4	37.86	148.5	39.00
	5.0	4.0	165.3	34.47	164.4	35.61	163.2	36.78	162.6	37.35	162.3	37.92	161.1	39.06	159.9	40.23
	7.0	6.0	172.8	35.22	171.9	36.39	170.7	37.56	170.1	38.13	169.5	38.70	168.3	39.87	167.1	41.04
	9.0	7.8	179.7	35.91	178.5	37.08	177.3	38.25	176.7	38.85	176.1	39.42	174.6	40.59	173.4	41.79
	12.0	10.6	190.5	36.99	189.0	38.16	187.5	39.36	186.9	39.96	186.3	40.56	184.8	41.73	180.0	41.64
	15.0	13.5	201.6	38.10	200.1	39.30	198.3	40.53	197.7	41.13	196.8	41.73	194.7	42.75	180.0	39.21
210.0 (140%)	-19.3	-20.0	78.6	25.89	78.3	26.91	78.3	27.93	78.0	28.44	78.0	28.95	77.7	29.97	77.4	30.99
	-15.0	-16.0	91.5	27.48	91.2	28.50	90.9	29.55	90.6	30.06	90.6	30.60	90.3	31.62	89.7	32.67
	-12.0	-13.0	101.7	28.65	101.1	29.70	100.8	30.75	100.5	31.29	100.2	31.80	99.9	32.88	99.6	33.93
	-9.0	-10.0	111.9	29.82	111.6	30.90	111.0	31.98	110.7	32.49	110.4	33.03	110.1	34.11	109.5	35.16
	-7.0	-8.0	119.1	30.60	118.5	31.68	117.9	32.76	117.6	33.30	117.3	33.84	116.7	34.92	116.1	36.00
	-5.0	-6.0	126.3	31.41	125.7	32.49	125.1	33.57	124.8	34.11	124.5	34.68	123.9	35.76	123.0	36.84
	-3.0	-4.0	133.8	32.19	132.9	33.30	132.3	34.38	132.0	34.95	131.7	35.49	130.8	36.60	130.2	37.68
	-1.0	-2.0	141.3	32.97	140.4	34.08	139.5	35.19	139.2	35.76	138.9	36.30	138.0	37.41	137.1	38.55
	0.0	-1.0	144.9	33.39	144.0	34.50	143.4	35.61	142.8	36.15	142.5	36.72	141.6	37.83	140.7	38.97
	2.0	1.0	152.7	34.17	151.8	35.31	150.6	36.42	150.3	36.99	149.7	37.56	148.8	38.67	147.9	39.81
	5.0	4.0	164.4	35.37	163.5	36.51	162.3	37.65	162.0	38.22	161.4	38.79	160.2	39.96	159.0	41.10
	7.0	6.0	171.9	36.18	170.7	37.32	169.8	38.49	169.2	39.06	168.6	39.63	167.4	40.80	166.2	41.97
	9.0	7.8	178.8	36.90	177.6	38.07	176.1	39.24	175.5	39.81	174.9	40.41	173.7	41.58	168.0	41.01
	12.0	10.6	189.3	38.07	187.8	39.24	186.3	40.41	185.7	41.01	185.1	41.61	181.8	42.12	168.0	38.67
	15.0	13.5	200.1	39.27	198.6	40.44	197.1	41.64	196.2	42.24	195.6	42.84	181.8	39.66	168.0	36.42
195.0 (130%)	-19.3	-20.0	78.6	26.37	78.3	27.36	78.0	28.38	78.0	28.89	77.7	29.40	77.7	30.42	77.4	31.44
	-15.0	-16.0	91.2	28.02	90.9	29.04	90.6	30.09	90.6	30.60	90.3	31.11	90.0	32.16	89.7	33.21
	-12.0	-13.0	101.4	29.25	100.8	30.30	100.5	31.35	100.2	31.89	100.2	32.40	99.6	33.45	99.3	34.50
	-9.0	-10.0	111.6	30.51	111.3	31.56	110.7	32.64	110.4	33.15	110.1	33.69	109.5	34.77	109.2	35.82
	-7.0	-8.0	118.8	31.32	118.2	32.40	117.6	33.48	117.3	34.02	117.0	34.56	116.4	35.64	115.8	36.72
	-5.0	-6.0	126.0	32.16	125.4	33.24	124.5	34.35	124.2	34.89	123.9	35.43	123.3	36.51	122.7	37.59
	-3.0	-4.0	133.2	33.00	132.6	34.11	131.7	35.19	131.4	35.73	131.1	36.30	130.2	37.38	129.6	38.49
	-1.0	-2.0	140.7	33.84	139.8	34.95	138.9	36.06	138.6	36.60	138.3	37.17	137.4	38.28	136.5	39.39
	0.0	-1.0	144.3	34.26	143.4	35.37	142.5	36.48	142.2	37.05	141.9	37.59	141.0	38.73	140.1	39.84
	2.0	1.0	151.8	35.13	150.9	36.24	150.0	37.35	149.4	37.92	149.1	38.49	147.9	39.60	147.0	40.74
	5.0	4.0	163.5	36.39	162.6	37.53	161.4	38.67	160.8	39.24	160.5	39.81	159.3	40.95	156.0	41.16
	7.0	6.0	171.0	37.26	169.8	38.40	168.6	39.57	168.0	40.14	167.4	40.71	166.2	41.85	156.0	39.39
	9.0	7.8	177.6	38.04	176.1	39.21	174.9	40.35	174.3	40.95	173.7	41.52	168.9	41.28	156.0	37.92
	12.0	10.6	187.8	39.27	186.3	40.44	185.1	41.61	184.2	42.21	181.8	42.12	168.9	38.91	156.0	35.73
	15.0	13.5	198.3	40.56	196.8	41.76	195.0	42.75	188.4	41.22	181.8	39.66	168.9	36.66	156.0	33.69
180.0 (120%)	-19.3	-20.0	78.3	26.88	78.3	27.90	78.0	28.92	77.7	29.43	77.7	29.94	77.4	30.96	77.1	31.98
	-15.0	-16.0	91.2	28.62	90.9	29.67	90.6	30.69	90.3	31.23	90.0	31.74	89.7	32.76	89.4	33.81
	-12.0	-13.0	101.1	29.94	100.8	30.99	100.2	32.04	99.9	32.58	99.9	33.09	99.3	34.14	99.0	35.19
	-9.0	-10.0	111.3	31.26	110.7	32.34	110.4	33.39	110.1	33.93	109.8	34.47	109.2	35.52	108.6	36.60
	-7.0	-8.0	118.2	32.16	117.6	33.24	117.0	34.29	117.0	34.83	116.7	35.37	116.1	36.45	115.5	37.53
	-5.0	-6.0	125.4	33.06	124.8	34.14	124.2	35.22	123.9	35.76	123.3	36.30	122.7	37.38	122.1	38.46
	-3.0	-4.0	132.6	33.96	132.0	35.04	131.1	36.12	130.8	36.66	130.5	37.23	129.6	38.31	129.0	39.42
	-1.0	-2.0	139.8	34.86	139.2	35.94	138.3	37.05	137.7	37.59	137.4	38.16	136.5	39.24	135.6	40.35
	0.0	-1.0	143.4	35.31	142.8	36.39	141.9	37.50	141.3	38.07	141.0	38.61	140.1	39.72	139.2	40.83
	2.0	1.0	150.9	36.21	150.0	37.32	149.1	38.43	148.5	39.00	148.2	39.57	147.0	40.68	143.1	40.44
	5.0	4.0	162.6	37.59	161.4	38.73	160.2	39.84	159.9	40.41	159.3	40.98	156.0	41.16	144.0	37.83
	7.0	6.0	169.5	38.52	168.6	39.66	167.4	40.80	166.8	41.37	166.2	41.94	156.0	39.39	144.0	36.21
	9.0	7.8	176.1	39.36	174.9	40.50	173.7	41.64	173.1	42.24	168.0	41.01	156.0	37.92	144.0	34.86
	12.0	10.6	186.0	40.68	184.8	41.85	180.0	41.64	174.0	40.14	168.0	38.67	156.0	35.73	144.0	32.88
	15.0	13.5	196.5	42.06	192.0	42.03	180.0	39.21	174.0	37.80	168.0	36.42	156.0	33.69	144.0	30.99
165.0 (110%)	-19.3	-20.0	78.3	27.51	78.0	28.53	77.7	29.52	77.7	30.03	77.4	30.54	77.4	31.56	77.1	32.58
	-15.0	-16.0	90.9	29.37	90.6	30.39	90.3	31.44	90.0	31.95	90.0	32.46	89.4	33.48	89.1	34.53
	-12.0	-13.0	100.8	30.78	100.2	31.80	99.9	32.85	99.6	33.39	99.6	33.90	99.0	34.95	98.7	36.00
	-9.0	-10.0	111.0	32.19	110.4	33.24	109.8	34.29	109.5	34.83	109.2	35.37	108.9	36.42	108.3	37.47
	-7.0	-8.0	117.9	33.12	117.3	34.20	116.7	35.28	116.4	35.79	116.1	36.33	115.5	37.41	114.9	38.49
	-5.0	-6.0	124.8	34.08	124.2	35.16	123.6	36.24	123.0	36.78	122.7	37.32	122.1	38.40	121.5	39.48
	-3.0	-4.0	132.0	35.04	131.1	36.12	130.5	37.23	129.9	37.77	129.6	38.31	129.0	39.39	128.1	40.47
	-1.0	-2.0	138.9	36.03	138.3	37.11	137.4	38.22	137.1	38.76	136.5	39.30	135.6	40.41	130.5	39.57
	0.0	-1.0	142.5	36.51	141.9	37.59	141.0	38.70	140.4	39.24	140.1	39.81	139.2	40.92	130.8	38.67
	2.0	1.0	149.7	37.47	148.8	38.58	147.9	39.69	147.6	40.26	147.0	40.80	141.9	40.17	131.1	36.93
	5.0	4.0	161.1	38.97	160.2	40.08	159.0	41.22	158.4	41.76	153.9	40.59	142.8	37.56	132.0	34.56
	7.0	6.0	168.3	39.96	167.1	41.10	165.0	41.82	159.3	40.35	153.9	38.85	142.8	35.94	132.0	33.09
	9.0	7.8	174.3	40.86	173.1	42.00	165.0	40.23	159.3	38.79	153.9	37.38	142.8	34.59	132.0	31.86
	12.0	10.6	184.2	42.30	175.8	40.62	165.0	37.92	159.3	36.60	153.9	35.25	142.8	32.64	132.0	30.06
	15.0	13.5	186.9	40.86	175.8	38.28	165.0	35.73	159.3	34.47	153.9	33.24	142.8	30.78	132.0	28.35

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ✳432LALH

● Capacity : 150.0 kW (48HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
150.0 (100%)	-19.3	-20.0	78.0	28.26	77.7	29.25	77.7	30.27	77.4	30.78	77.4	31.29	77.1	32.31	76.8	33.30
	-15.0	-16.0	90.6	30.24	90.3	31.26	90.0	32.31	89.7	32.82	89.7	33.33	89.4	34.35	88.8	35.40
	-12.0	-13.0	100.5	31.74	99.9	32.79	99.6	33.84	99.3	34.35	99.0	34.86	98.7	35.91	98.1	36.96
	-9.0	-10.0	110.4	33.27	109.8	34.32	109.2	35.37	109.2	35.91	108.9	36.42	108.3	37.50	107.7	38.55
	-7.0	-8.0	117.3	34.29	116.7	35.34	116.1	36.42	115.8	36.96	115.5	37.47	114.9	38.55	114.3	39.60
	-5.0	-6.0	123.9	35.31	123.3	36.39	122.7	37.47	122.4	38.01	122.1	38.52	121.5	39.60	118.2	39.45
	-3.0	-4.0	131.1	36.36	130.2	37.44	129.6	38.52	129.0	39.06	128.7	39.60	128.1	40.68	118.5	37.59
	-1.0	-2.0	138.0	37.41	137.1	38.49	136.2	39.57	135.9	40.11	135.6	40.68	128.7	38.94	118.8	35.85
	0.0	-1.0	141.6	37.92	140.7	39.03	139.8	40.11	139.2	40.65	138.6	41.13	128.7	38.04	118.8	35.04
	2.0	1.0	148.5	39.00	147.6	40.08	146.7	41.19	144.0	40.74	138.9	39.27	129.0	36.36	119.1	33.48
	5.0	4.0	159.6	40.59	158.4	41.70	150.0	39.48	144.9	38.10	139.8	36.72	129.9	34.02	120.0	31.32
	7.0	6.0	166.8	41.67	159.9	40.47	150.0	37.80	144.9	36.48	139.8	35.16	129.9	32.58	120.0	30.00
	9.0	7.8	169.8	41.52	159.9	38.94	150.0	36.36	144.9	35.10	139.8	33.84	129.9	31.35	120.0	28.89
	12.0	10.6	169.8	39.15	159.9	36.72	150.0	34.29	144.9	33.12	139.8	31.92	129.9	29.58	120.0	27.27
	15.0	13.5	169.8	36.87	159.9	34.59	150.0	32.34	144.9	31.23	139.8	30.12	129.9	27.90	120.0	25.74
135.0 (90%)	-19.3	-20.0	78.0	29.16	77.7	30.15	77.4	31.17	77.4	31.68	77.1	32.19	76.8	33.21	76.8	34.20
	-15.0	-16.0	90.3	31.29	90.0	32.31	89.7	33.36	89.4	33.87	89.4	34.38	88.8	35.40	88.5	36.42
	-12.0	-13.0	99.9	32.94	99.6	33.96	99.0	35.01	98.7	35.52	98.7	36.03	98.1	37.08	97.8	38.13
	-9.0	-10.0	109.8	34.59	109.2	35.64	108.6	36.66	108.3	37.20	108.3	37.71	107.7	38.76	105.9	39.18
	-7.0	-8.0	116.4	35.70	115.8	36.75	115.2	37.80	114.9	38.34	114.6	38.85	114.0	39.90	106.2	37.23
	-5.0	-6.0	123.0	36.81	122.4	37.86	121.8	38.94	121.5	39.48	121.2	39.99	115.2	38.43	106.5	35.40
	-3.0	-4.0	129.9	37.95	129.3	39.00	128.4	40.08	128.1	40.62	124.5	39.54	115.5	36.63	106.5	33.75
	-1.0	-2.0	136.8	39.06	135.9	40.14	133.5	40.53	129.0	39.12	124.8	37.71	115.8	34.92	106.8	32.19
	0.0	-1.0	140.1	39.66	139.2	40.74	133.8	39.57	129.3	38.22	124.8	36.84	115.8	34.14	107.1	31.47
	2.0	1.0	147.0	40.80	143.1	40.44	134.1	37.80	129.6	36.51	125.1	35.19	116.1	32.61	107.1	30.06
	5.0	4.0	153.0	40.32	144.0	37.83	135.0	35.37	130.5	34.14	126.0	32.94	117.0	30.54	108.0	28.17
	7.0	6.0	153.0	38.61	144.0	36.21	135.0	33.87	130.5	32.70	126.0	31.53	117.0	29.25	108.0	27.00
	9.0	7.8	153.0	37.14	144.0	34.86	135.0	32.58	130.5	31.47	126.0	30.36	117.0	28.17	108.0	26.01
	12.0	10.6	153.0	35.01	144.0	32.88	135.0	30.75	130.5	29.70	126.0	28.68	117.0	26.61	108.0	24.57
	15.0	13.5	153.0	33.00	144.0	30.99	135.0	29.01	130.5	28.02	126.0	27.03	117.0	25.11	108.0	23.19
120.0 (80%)	-19.3	-20.0	77.7	30.27	77.4	31.29	77.1	32.28	77.1	32.79	76.8	33.30	76.5	34.32	76.5	35.31
	-15.0	-16.0	89.7	32.61	89.4	33.63	89.1	34.65	89.1	35.16	88.8	35.67	88.5	36.69	88.2	37.71
	-12.0	-13.0	99.3	34.38	99.0	35.43	98.4	36.45	98.1	36.96	98.1	37.50	97.5	38.52	93.6	37.62
	-9.0	-10.0	108.9	36.21	108.3	37.23	108.0	38.28	107.7	38.79	107.4	39.33	102.0	37.68	94.2	34.74
	-7.0	-8.0	115.5	37.41	114.9	38.46	114.3	39.51	114.0	40.02	110.1	38.64	102.3	35.82	94.2	33.03
	-5.0	-6.0	122.1	38.64	121.2	39.69	118.2	39.45	114.3	38.10	110.4	36.75	102.3	34.08	94.5	31.44
	-3.0	-4.0	128.7	39.87	126.3	40.20	118.5	37.59	114.6	36.30	110.7	35.01	102.6	32.49	94.8	29.97
	-1.0	-2.0	134.7	40.83	126.6	38.34	118.8	35.85	114.9	34.62	110.7	33.42	102.9	30.99	95.1	28.59
	0.0	-1.0	134.7	39.90	126.9	37.44	118.8	35.04	114.9	33.84	111.0	32.64	102.9	30.30	95.1	27.96
	2.0	1.0	135.0	38.10	127.2	35.76	119.1	33.48	115.2	32.34	111.3	31.20	103.2	28.95	95.4	26.73
	5.0	4.0	135.9	35.64	127.8	33.48	120.0	31.32	115.8	30.27	111.9	29.22	103.8	27.12	96.0	25.05
	7.0	6.0	135.9	34.11	127.8	32.07	120.0	30.00	115.8	29.01	111.9	27.99	103.8	25.98	96.0	24.03
	9.0	7.8	135.9	32.85	127.8	30.87	120.0	28.89	115.8	27.93	111.9	26.97	103.8	25.05	96.0	23.16
	12.0	10.6	135.9	30.99	127.8	29.13	120.0	27.27	115.8	26.37	111.9	25.47	103.8	23.67	96.0	21.87
	15.0	13.5	135.9	29.22	127.8	27.48	120.0	25.74	115.8	24.90	111.9	24.03	103.8	22.35	96.0	20.67
105.0 (70%)	-19.3	-20.0	77.4	31.71	77.1	32.73	76.8	33.72	76.8	34.23	76.5	34.71	76.2	35.73	75.9	36.72
	-15.0	-16.0	89.4	34.29	88.8	35.31	88.5	36.33	88.5	36.84	88.2	37.32	87.9	38.34	81.6	35.76
	-12.0	-13.0	98.4	36.24	98.1	37.26	97.5	38.31	97.5	38.82	95.7	38.43	88.8	35.64	81.9	32.88
	-9.0	-10.0	108.0	38.25	107.4	39.27	102.9	38.07	99.6	36.78	96.0	35.49	89.1	32.91	82.2	30.39
	-7.0	-8.0	114.3	39.60	110.1	38.64	103.2	36.15	99.6	34.92	96.3	33.72	89.4	31.29	82.5	28.89
	-5.0	-6.0	117.3	39.12	110.4	36.75	103.5	34.41	99.9	33.24	96.6	32.10	89.7	29.79	82.8	27.51
	-3.0	-4.0	117.6	37.26	110.7	35.01	103.5	32.79	100.2	31.68	96.6	30.60	89.7	28.41	82.8	26.25
	-1.0	-2.0	117.9	35.55	110.7	33.42	103.8	31.29	100.5	30.24	96.9	29.19	90.0	27.12	83.1	25.08
	0.0	-1.0	117.9	34.74	111.0	32.64	104.1	30.57	100.5	29.55	97.2	28.53	90.0	26.52	83.1	24.51
	2.0	1.0	118.2	33.18	111.3	31.20	104.1	29.22	100.8	28.26	97.2	27.30	90.3	25.35	83.4	23.46
	5.0	4.0	118.8	31.05	111.9	29.22	105.0	27.39	101.4	26.46	97.8	25.56	90.9	23.76	84.0	21.99
	7.0	6.0	118.8	29.76	111.9	27.99	105.0	26.25	101.4	25.38	97.8	24.51	90.9	22.80	84.0	21.12
	9.0	7.8	118.8	28.65	111.9	26.97	105.0	25.29	101.4	24.45	97.8	23.61	90.9	21.99	84.0	20.34
	12.0	10.6	118.8	27.06	111.9	25.47	105.0	23.88	101.4	23.10	97.8	22.32	90.9	20.79	84.0	19.26
	15.0	13.5	118.8	25.53	111.9	24.03	105.0	22.56	101.4	21.84	97.8	21.09	90.9	19.65	84.0	18.21
90.0 (60%)	-19.3	-20.0	76.8	33.60	76.5	34.62	76.2	35.61	76.2	36.09	76.2	36.60	75.6	37.38	69.6	34.53
	-15.0	-16.0	88.5	36.48	88.2	37.50	87.6	38.34	84.6	37.02	81.6	35.76	75.9	33.21	69.9	30.66
	-12.0	-13.0	97.5	38.70	93.6	37.62	87.9	35.25	84.9	34.05	81.9	32.88	76.2	30.54	70.2	28.23
	-9.0	-10.0	99.9	36.96	94.2	34.74	88.2	32.55	85.2	31.47	82.2	30.39	76.5	28.26	70.5	26.13
	-7.0	-8.0	100.2	35.10	94.2	33.03	88.5	30.96	85.5	29.91	82.5	28.89	76.5	26.88	70.8	24.84
	-5.0	-6.0	100.5	33.42	94.5	31.44	88.5	29.46	85.5	28.50	82.8	27.51	76.8	25.59	70.8	23.67
	-3.0	-4.0	100.8	31.83	94.8	29.97	88.8	28.11	85.8	27.18	82.8	26.25	77.1	24.42	71.1	22.62
	-1.0	-2.0	100.8	30.39	95.1	28.59	89.1	26.82	86.1	25.95	83.1	25.08	77.1	23.34	71.1	21.60
	0.0	-1.0	101.1	29.70	95.1	27.96	89.1	26.22	86.1	25.38	83.1	24.51	77.1	22.83	71.4	21.12
	2.0	1.0	101.4	28.41	95.4	26.73	89.4	25.08	86.4	24.27	83.4	23.46	77.4	21.84	71.4	20.22
	5.0	4.0	102.0	26.61	96.0	25.05	90.0	23.52	86.7	22.77	84.0	21.99	78.0	20.49	72.0	18.99
	7.0	6.0	102.0	25.50	96.0	24.03	90.0	22.56	87.0	21.84	84.0	21.12	78.0	19.68	72.0	18.24
	9.0	7.8	102.0	24.57	96.0	23.16	90.0	21.75	87.0	21.03	84.0	20.34	78.0	18.96	72.0	17.61
	12.0	10.6	102.0	23.22	96.0	21.87	90.0	20.55	87.0	19.92	84.0	19.26	78.0	17.97	72.0	16.68
	15.0	13.5	102.0	21.93	96.0	20.67	90.0	19.44	87.0	18.81	84.0	18.21	78.0	16.98	72.0	15.78
75.0 (50%)	-19.3	-20.0	76.2	36.24	75.9	37.23	72.6	35.94	70.2	34.77	67.8	33.57	63.0	31.20	58.2	28.86
	-15.0	-16.0	82.8	36.18	77.7	34.05	72.9	31.92	70.5	30.87	68.1	29.82	63.3	27.75	58.2	25.68
	-12.0	-13.0	83.1	33.27	78.0	31.32	73.2	29.40	70.8	28.44	68.4	27.48	63.3	25.56	58.5	23.67
	-9.0	-10.0	83.4	30.75	78.3	28.95	73.5	27.18	71.1	26.31	68.7	25.41	63.6	23.67	58.8	21.93
	-7.0	-8.0	83.4	29.25	78.6	27.54	73.5	25.86	71.1	25.02	68.7	24.18	63.9	22.53	58.8	20.88
	-5.0	-6.0	83.7	27.84	78.6	26.22	73.8	24.63	71.4	23.85	69.0	23.04	63.9	21.48	59.1	19.92
	-3.0	-4.0	84.0	26.55	78.9	25.02	74.1	23.52	71.4	22.74	69.0	21.99	64.2	20.52	59.1	19.02
	-1.0	-2.0	84.0	25.35	79.2	23.91	74.1	22.47	71.7	21.75	69.3	21.03	64.2	19.62	59.4	18.21
	0.0	-1.0	84.3	24.81	79.2	23.37	74.1	21.96	71.7	21.27	69.3	20.58	64.2	19.20	59.4	17.82
	2.0	1.0	84.3	23.73	79.5	22.38	74.4	21.03	72.0	20.37	69.3	19.71	64.5	18.39	59.4	17.07
	5.0	4.0	84.9	22.26	79.8	21.00	75.0	19.74	72.3	19.11	69.9	18.51	64.8	17.28	60.0	16.05
	7.0	6.0	84.9	21.36	79.8	20.13	75.0	18.96	72.3	18.36	69.9	17.76	64.8	16.59	60.0	15.42
	9.0	7.8	84.9	20.58	79.8	19.44	75.0	18.27	72.3	17.70	69.9	17.16	64.8	16.02	60.0	14.91
	12.0	10.6	84.9	19.47	79.8	18.39	75.0	17.31	72.3	16.77	69.9	16.23	64.8	15.18	60.0	14.13
	15.0	13.5	84.9	18.42	79.8	17.40	75.0	16.38	72.3	15.87	69.9	15.39	64.8	14.40	60.0	13.41

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

2-5-2. ENERGY EFFICIENCY COMBINATION

HEATING CAPACITY

■ MODEL : AJ∗144LALHH

● Capacity : 50.0 kW (16HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
75.0 (150%)	-19.3	-20.0	26.1	7.72	26.0	8.02	25.9	8.32	25.8	8.48	25.8	8.64	25.6	8.94	25.5	9.24
	-15.0	-16.0	30.5	8.18	30.3	8.48	30.2	8.80	30.1	8.96	30.0	9.10	29.9	9.42	29.7	9.74
	-12.0	-13.0	33.9	8.52	33.8	8.84	33.6	9.14	33.5	9.30	33.4	9.46	33.2	9.78	33.0	10.10
	-9.0	-10.0	37.5	8.86	37.3	9.18	37.1	9.50	36.9	9.66	36.8	9.82	36.6	10.14	36.4	10.46
	-7.0	-8.0	39.9	9.08	39.7	9.40	39.4	9.74	39.3	9.90	39.2	10.06	38.9	10.38	38.7	10.70
	-5.0	-6.0	42.4	9.32	42.1	9.64	41.9	9.96	41.7	10.12	41.6	10.30	41.3	10.62	41.0	10.94
	-3.0	-4.0	44.9	9.54	44.6	9.86	44.3	10.20	44.2	10.36	44.0	10.52	43.7	10.86	43.4	11.18
	-1.0	-2.0	47.5	9.76	47.1	10.10	46.8	10.44	46.7	10.60	46.5	10.76	46.2	11.10	45.8	11.44
	0.0	-1.0	48.7	9.88	48.4	10.22	48.1	10.54	47.9	10.72	47.7	10.88	47.4	11.22	47.1	11.56
	2.0	1.0	51.3	10.12	51.0	10.44	50.6	10.78	50.4	10.96	50.3	11.12	49.9	11.46	49.5	11.80
	5.0	4.0	55.4	10.46	55.0	10.80	54.6	11.14	54.4	11.32	54.2	11.48	53.8	11.82	53.4	12.18
	7.0	6.0	58.0	10.68	57.6	11.04	57.1	11.38	56.9	11.56	56.7	11.72	56.2	12.08	55.8	12.42
	9.0	7.8	60.3	10.90	59.8	11.24	59.4	11.60	59.1	11.76	58.9	11.94	58.4	12.30	57.9	12.64
	12.0	10.6	63.9	11.22	63.4	11.58	62.9	11.94	62.6	12.12	62.4	12.28	61.8	12.64	60.0	12.56
	15.0	13.5	67.6	11.56	67.1	11.92	66.5	12.28	66.2	12.46	66.0	12.64	65.0	12.88	60.0	11.82
70.0 (140%)	-19.3	-20.0	26.1	7.84	26.0	8.14	25.8	8.44	25.8	8.60	25.7	8.74	25.6	9.06	25.5	9.36
	-15.0	-16.0	30.4	8.32	30.3	8.62	30.1	8.94	30.0	9.10	30.0	9.24	29.8	9.56	29.7	9.86
	-12.0	-13.0	33.8	8.68	33.7	8.98	33.5	9.30	33.4	9.46	33.3	9.62	33.1	9.94	32.9	10.24
	-9.0	-10.0	37.4	9.04	37.2	9.36	36.9	9.66	36.8	9.82	36.7	9.98	36.5	10.30	36.3	10.62
	-7.0	-8.0	39.8	9.28	39.5	9.60	39.3	9.92	39.2	10.08	39.1	10.24	38.8	10.56	38.6	10.88
	-5.0	-6.0	42.2	9.52	42.0	9.84	41.7	10.16	41.6	10.32	41.4	10.48	41.2	10.82	40.9	11.14
	-3.0	-4.0	44.7	9.76	44.4	10.08	44.1	10.40	44.0	10.58	43.8	10.74	43.5	11.06	43.2	11.40
	-1.0	-2.0	47.2	10.00	46.9	10.32	46.6	10.66	46.4	10.82	46.3	10.98	46.0	11.32	45.6	11.66
	0.0	-1.0	48.5	10.12	48.2	10.44	47.8	10.78	47.7	10.94	47.5	11.12	47.2	11.44	46.8	11.78
	2.0	1.0	51.1	10.36	50.7	10.70	50.4	11.02	50.2	11.20	50.0	11.36	49.6	11.70	49.3	12.04
	5.0	4.0	55.1	10.72	54.7	11.06	54.3	11.40	54.1	11.58	53.9	11.74	53.5	12.10	53.1	12.44
	7.0	6.0	57.6	10.98	57.2	11.32	56.8	11.66	56.5	11.84	56.3	12.00	55.9	12.34	55.4	12.70
	9.0	7.8	59.9	11.20	59.4	11.54	59.0	11.88	58.7	12.06	58.5	12.24	58.0	12.58	56.0	12.40
	12.0	10.6	63.4	11.54	62.9	11.90	62.4	12.24	62.2	12.42	61.9	12.60	60.7	12.72	56.0	11.66
	15.0	13.5	67.1	11.92	66.5	12.26	66.0	12.62	65.7	12.80	65.3	12.96	60.7	11.96	56.0	10.98
65.0 (130%)	-19.3	-20.0	26.0	7.96	25.9	8.28	25.8	8.58	25.7	8.72	25.7	8.88	25.5	9.18	25.4	9.50
	-15.0	-16.0	30.4	8.48	30.2	8.78	30.0	9.10	30.0	9.24	29.9	9.40	29.7	9.72	29.6	10.02
	-12.0	-13.0	33.7	8.86	33.6	9.16	33.4	9.48	33.3	9.64	33.2	9.80	33.0	10.10	32.8	10.42
	-9.0	-10.0	37.2	9.24	37.0	9.54	36.8	9.86	36.7	10.02	36.6	10.18	36.4	10.50	36.1	10.82
	-7.0	-8.0	39.6	9.48	39.4	9.80	39.1	10.12	39.0	10.28	38.9	10.44	38.7	10.76	38.4	11.10
	-5.0	-6.0	42.0	9.74	41.8	10.06	41.5	10.38	41.4	10.54	41.2	10.72	41.0	11.04	40.7	11.36
	-3.0	-4.0	44.5	10.00	44.2	10.32	43.9	10.64	43.8	10.82	43.6	10.98	43.3	11.30	43.0	11.64
	-1.0	-2.0	47.0	10.26	46.7	10.58	46.4	10.92	46.2	11.08	46.0	11.24	45.7	11.58	45.4	11.90
	0.0	-1.0	48.2	10.38	47.9	10.72	47.6	11.04	47.4	11.20	47.2	11.38	46.9	11.70	46.6	12.04
	2.0	1.0	50.8	10.64	50.4	10.98	50.1	11.30	49.9	11.48	49.7	11.64	49.3	11.98	49.0	12.32
	5.0	4.0	54.8	11.04	54.3	11.38	53.9	11.72	53.7	11.88	53.5	12.04	53.1	12.38	52.0	12.48
	7.0	6.0	57.2	11.30	56.8	11.64	56.3	11.98	56.1	12.16	55.9	12.32	55.4	12.66	52.0	11.92
	9.0	7.8	59.4	11.54	59.0	11.88	58.5	12.22	58.3	12.40	58.0	12.58	56.3	12.48	52.0	11.46
	12.0	10.6	62.9	11.92	62.4	12.26	61.9	12.60	61.6	12.78	60.7	12.72	56.3	11.74	52.0	10.78
	15.0	13.5	66.5	12.30	65.9	12.66	65.0	12.88	62.8	12.42	60.7	11.96	56.3	11.04	52.0	10.16
60.0 (120%)	-19.3	-20.0	26.0	8.12	25.8	8.42	25.7	8.74	25.7	8.88	25.6	9.04	25.5	9.34	25.4	9.64
	-15.0	-16.0	30.3	8.66	30.1	8.96	30.0	9.28	29.9	9.44	29.8	9.58	29.6	9.90	29.5	10.20
	-12.0	-13.0	33.6	9.06	33.4	9.38	33.3	9.68	33.2	9.84	33.1	10.00	32.9	10.32	32.7	10.62
	-9.0	-10.0	37.1	9.46	36.9	9.78	36.6	10.10	36.5	10.26	36.4	10.42	36.2	10.74	36.0	11.04
	-7.0	-8.0	39.4	9.74	39.2	10.06	39.0	10.38	38.8	10.54	38.7	10.70	38.5	11.02	38.2	11.34
	-5.0	-6.0	41.8	10.00	41.6	10.32	41.3	10.64	41.2	10.80	41.0	10.98	40.8	11.30	40.5	11.62
	-3.0	-4.0	44.2	10.28	44.0	10.60	43.7	10.92	43.5	11.08	43.4	11.26	43.1	11.58	42.8	11.90
	-1.0	-2.0	46.7	10.56	46.4	10.88	46.1	11.20	45.9	11.38	45.7	11.54	45.4	11.86	45.1	12.20
	0.0	-1.0	47.9	10.68	47.6	11.02	47.3	11.34	47.1	11.52	46.9	11.68	46.6	12.00	46.3	12.34
	2.0	1.0	50.4	10.96	50.1	11.30	49.7	11.64	49.5	11.80	49.3	11.96	49.0	12.30	47.7	12.28
	5.0	4.0	54.3	11.38	53.9	11.72	53.5	12.06	53.3	12.22	53.1	12.40	52.0	12.48	48.0	11.46
	7.0	6.0	56.7	11.66	56.3	12.00	55.9	12.34	55.6	12.52	55.4	12.68	52.0	11.92	48.0	10.96
	9.0	7.8	58.9	11.92	58.4	12.26	58.0	12.60	57.7	12.78	56.0	12.40	52.0	11.46	48.0	10.54
	12.0	10.6	62.3	12.32	61.8	12.68	60.0	12.56	58.0	12.12	56.0	11.66	52.0	10.78	48.0	9.92
	15.0	13.5	65.8	12.76	64.0	12.66	60.0	11.82	58.0	11.40	56.0	10.98	52.0	10.16	48.0	9.34
55.0 (110%)	-19.3	-20.0	25.9	8.32	25.8	8.62	25.7	8.92	25.6	9.06	25.5	9.22	25.4	9.52	25.3	9.82
	-15.0	-16.0	30.2	8.88	30.0	9.18	29.8	9.50	29.8	9.64	29.7	9.80	29.5	10.10	29.4	10.42
	-12.0	-13.0	33.5	9.30	33.3	9.62	33.1	9.92	33.0	10.08	32.9	10.24	32.7	10.54	32.5	10.86
	-9.0	-10.0	36.9	9.74	36.7	10.04	36.5	10.36	36.4	10.52	36.2	10.68	36.0	11.00	35.8	11.32
	-7.0	-8.0	39.2	10.02	39.0	10.34	38.7	10.66	38.6	10.82	38.5	10.98	38.2	11.30	38.0	11.62
	-5.0	-6.0	41.6	10.32	41.3	10.64	41.0	10.96	40.9	11.12	40.8	11.28	40.5	11.60	40.2	11.92
	-3.0	-4.0	44.0	10.60	43.7	10.92	43.4	11.26	43.2	11.42	43.1	11.58	42.8	11.90	42.5	12.22
	-1.0	-2.0	46.4	10.90	46.0	11.22	45.7	11.56	45.6	11.72	45.4	11.88	45.1	12.20	43.6	12.04
	0.0	-1.0	47.6	11.04	47.2	11.38	46.9	11.70	46.7	11.86	46.6	12.04	46.2	12.36	43.6	11.76
	2.0	1.0	50.0	11.34	49.7	11.68	49.3	12.00	49.1	12.18	48.9	12.34	47.4	12.20	43.7	11.22
	5.0	4.0	53.8	11.80	53.4	12.14	53.0	12.46	52.8	12.64	51.3	12.30	47.7	11.38	44.0	10.46
	7.0	6.0	56.2	12.10	55.7	12.44	55.0	12.66	53.2	12.20	51.3	11.76	47.7	10.88	44.0	10.02
	9.0	7.8	58.3	12.38	57.8	12.72	55.0	12.16	53.2	11.74	51.3	11.30	47.7	10.46	44.0	9.62
	12.0	10.6	61.6	12.82	58.7	12.26	55.0	11.44	53.2	11.04	51.3	10.64	47.7	9.86	44.0	9.08
	15.0	13.5	62.3	12.32	58.7	11.54	55.0	10.76	53.2	10.40	51.3	10.02	47.7	9.28	44.0	8.54

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ∗144LALHH

● Capacity : 50.0 kW (16HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50.0 (100%)	-19.3	**-20.0**	25.8	8.52	25.7	8.84	25.6	9.14	25.5	9.28	25.4	9.44	25.3	9.74	25.2	10.04
	-15.0	**-16.0**	30.0	9.14	29.9	9.44	29.7	9.74	29.6	9.90	29.6	10.06	29.4	10.36	29.2	10.66
	-12.0	**-13.0**	33.3	9.60	33.1	9.90	32.9	10.22	32.8	10.36	32.8	10.52	32.6	10.84	32.4	11.14
	-9.0	**-10.0**	36.7	10.06	36.5	10.36	36.2	10.68	36.1	10.84	36.0	11.00	35.8	11.30	35.6	11.62
	-7.0	**-8.0**	39.0	10.36	38.7	10.68	38.5	11.00	38.4	11.16	38.2	11.32	38.0	11.64	37.7	11.94
	-5.0	**-6.0**	41.3	10.68	41.0	11.00	40.7	11.32	40.6	11.48	40.5	11.64	40.2	11.96	39.4	12.06
	-3.0	**-4.0**	43.6	11.00	43.3	11.32	43.0	11.64	42.9	11.80	42.7	11.96	42.4	12.28	39.5	11.46
	-1.0	**-2.0**	46.0	11.32	45.6	11.64	45.3	11.96	45.2	12.12	45.0	12.28	42.9	11.86	39.6	10.92
	0.0	**-1.0**	47.1	11.48	46.8	11.80	46.5	12.12	46.3	12.28	46.1	12.44	43.0	11.58	39.7	10.66
	2.0	**1.0**	49.5	11.80	49.2	12.12	48.8	12.44	48.1	12.38	46.4	11.92	43.1	11.04	39.8	10.16
	5.0	**4.0**	53.2	12.28	52.8	12.62	50.0	11.96	48.3	11.54	46.7	11.12	43.3	10.30	40.0	9.50
	7.0	**6.0**	55.5	12.62	53.3	12.24	50.0	11.44	48.3	11.04	46.7	10.64	43.3	9.86	40.0	9.08
	9.0	**7.8**	56.7	12.56	53.3	11.78	50.0	11.00	48.3	10.62	46.7	10.24	43.3	9.48	40.0	8.74
	12.0	**10.6**	56.7	11.82	53.3	11.08	50.0	10.36	48.3	10.00	46.7	9.64	43.3	8.94	40.0	8.24
	15.0	**13.5**	56.7	11.12	53.3	10.42	50.0	9.74	48.3	9.40	46.7	9.08	43.3	8.42	40.0	7.76
45.0 (90%)	-19.3	**-20.0**	25.7	8.80	25.6	9.10	25.5	9.40	25.4	9.54	25.3	9.70	25.2	10.00	25.1	10.30
	-15.0	**-16.0**	29.9	9.44	29.7	9.76	29.6	10.06	29.5	10.20	29.4	10.36	29.2	10.66	29.1	10.98
	-12.0	**-13.0**	33.1	9.94	32.9	10.24	32.7	10.56	32.6	10.72	32.5	10.86	32.4	11.18	32.2	11.48
	-9.0	**-10.0**	36.4	10.44	36.2	10.76	36.0	11.06	35.9	11.22	35.8	11.38	35.5	11.68	35.3	12.00
	-7.0	**-8.0**	38.6	10.78	38.4	11.10	38.2	11.40	38.0	11.56	37.9	11.72	37.7	12.04	35.4	11.38
	-5.0	**-6.0**	40.9	11.12	40.6	11.44	40.4	11.76	40.2	11.90	40.1	12.06	38.5	11.74	35.5	10.82
	-3.0	**-4.0**	43.2	11.46	42.9	11.78	42.6	12.10	42.4	12.26	41.5	12.06	38.5	11.16	35.6	10.28
	-1.0	**-2.0**	45.5	11.80	45.2	12.12	44.6	12.34	43.1	11.90	41.6	11.48	38.6	10.64	35.7	9.80
	0.0	**-1.0**	46.6	11.98	46.3	12.30	44.6	12.04	43.1	11.62	41.7	11.20	38.7	10.38	35.7	9.56
	2.0	**1.0**	48.9	12.34	47.7	12.28	44.7	11.48	43.2	11.08	41.8	10.68	38.8	9.90	35.8	9.14
	5.0	**4.0**	51.0	12.22	48.0	11.46	45.0	10.72	43.5	10.34	42.0	9.98	39.0	9.26	36.0	8.54
	7.0	**6.0**	51.0	11.68	48.0	10.96	45.0	10.24	43.5	9.90	42.0	9.54	39.0	8.86	36.0	8.16
	9.0	**7.8**	51.0	11.22	48.0	10.54	45.0	9.86	43.5	9.52	42.0	9.18	39.0	8.52	36.0	7.86
	12.0	**10.6**	51.0	10.56	48.0	9.92	45.0	9.28	43.5	8.96	42.0	8.66	39.0	8.02	36.0	7.42
	15.0	**13.5**	51.0	9.94	48.0	9.34	45.0	8.74	43.5	8.44	42.0	8.16	39.0	7.56	36.0	7.00
40.0 (80%)	-19.3	**-20.0**	25.6	9.12	25.5	9.42	25.3	9.72	25.3	9.88	25.2	10.02	25.1	10.32	25.0	10.62
	-15.0	**-16.0**	29.7	9.84	29.5	10.14	29.4	10.44	29.3	10.60	29.2	10.74	29.0	11.04	28.9	11.36
	-12.0	**-13.0**	32.8	10.38	32.7	10.68	32.5	10.98	32.4	11.14	32.3	11.30	32.1	11.60	31.3	11.58
	-9.0	**-10.0**	36.1	10.92	35.9	11.22	35.6	11.54	35.5	11.70	35.4	11.84	34.0	11.56	31.4	10.66
	-7.0	**-8.0**	38.3	11.28	38.0	11.60	37.8	11.90	37.6	12.06	36.7	11.82	34.1	10.96	31.5	10.10
	-5.0	**-6.0**	40.4	11.66	40.2	11.98	39.4	12.06	38.1	11.64	36.8	11.22	34.2	10.40	31.6	9.60
	-3.0	**-4.0**	42.7	12.04	42.2	12.26	39.5	11.46	38.2	11.06	36.9	10.68	34.3	9.90	31.6	9.14
	-1.0	**-2.0**	44.9	12.42	42.3	11.66	39.6	10.92	38.3	10.54	37.0	10.16	34.3	9.42	31.7	8.70
	0.0	**-1.0**	45.0	12.14	42.3	11.38	39.7	10.66	38.4	10.28	37.0	9.92	34.4	9.20	31.7	8.50
	2.0	**1.0**	45.1	11.56	42.4	10.86	39.8	10.16	38.4	9.82	37.1	9.48	34.5	8.80	31.8	8.12
	5.0	**4.0**	45.3	10.80	42.7	10.14	40.0	9.50	38.7	9.18	37.3	8.86	34.7	8.22	32.0	7.60
	7.0	**6.0**	45.3	10.32	42.7	9.70	40.0	9.08	38.7	8.78	37.3	8.48	34.7	7.86	32.0	7.28
	9.0	**7.8**	45.3	9.92	42.7	9.32	40.0	8.74	38.7	8.44	37.3	8.16	34.7	7.58	32.0	7.00
	12.0	**10.6**	45.3	9.36	42.7	8.80	40.0	8.24	38.7	7.96	37.3	7.68	34.7	7.14	32.0	6.60
	15.0	**13.5**	45.3	8.80	42.7	8.28	40.0	7.76	38.7	7.50	37.3	7.24	34.7	6.74	32.0	6.24
35.0 (70%)	-19.3	**-20.0**	25.4	9.54	25.3	9.84	25.2	10.14	25.1	10.28	25.0	10.44	24.9	10.74	24.8	11.04
	-15.0	**-16.0**	29.4	10.32	29.3	10.62	29.1	10.92	29.0	11.08	29.0	11.22	28.8	11.52	27.3	11.04
	-12.0	**-13.0**	32.5	10.92	32.3	11.22	32.1	11.52	32.0	11.68	31.9	11.82	29.7	10.96	27.4	10.12
	-9.0	**-10.0**	35.6	11.52	35.4	11.82	34.4	11.68	33.2	11.28	32.1	10.88	29.8	10.10	27.5	9.32
	-7.0	**-8.0**	37.8	11.92	36.7	11.82	34.4	11.06	33.3	10.68	32.1	10.32	29.8	9.58	27.5	8.84
	-5.0	**-6.0**	39.1	11.96	36.8	11.22	34.5	10.50	33.4	10.16	32.2	9.80	29.9	9.10	27.6	8.40
	-3.0	**-4.0**	39.2	11.36	36.9	10.68	34.6	10.00	33.4	9.66	32.3	9.32	30.0	8.66	27.7	8.00
	-1.0	**-2.0**	39.3	10.82	37.0	10.16	34.7	9.52	33.5	9.20	32.4	8.88	30.1	8.26	27.7	7.62
	0.0	**-1.0**	39.3	10.56	37.0	9.92	34.7	9.30	33.6	8.98	32.4	8.68	30.1	8.06	27.8	7.46
	2.0	**1.0**	39.4	10.08	37.1	9.48	34.8	8.88	33.6	8.58	32.5	8.28	30.2	7.70	27.8	7.12
	5.0	**4.0**	39.7	9.42	37.3	8.86	35.0	8.30	33.8	8.02	32.7	7.74	30.3	7.20	28.0	6.66
	7.0	**6.0**	39.7	9.00	37.3	8.48	35.0	7.94	33.8	7.68	32.7	7.42	30.3	6.90	28.0	6.40
	9.0	**7.8**	39.7	8.66	37.3	8.16	35.0	7.64	33.8	7.40	32.7	7.14	30.3	6.64	28.0	6.16
	12.0	**10.6**	39.7	8.16	37.3	7.68	35.0	7.22	33.8	6.98	32.7	6.74	30.3	6.28	28.0	5.82
	15.0	**13.5**	39.7	7.70	37.3	7.24	35.0	6.80	33.8	6.58	32.7	6.36	30.3	5.92	28.0	5.50
30.0 (60%)	-19.3	**-20.0**	25.2	10.10	25.1	10.40	24.9	10.68	24.9	10.84	24.8	10.98	24.7	11.28	23.3	10.74
	-15.0	**-16.0**	29.1	10.96	28.9	11.26	28.8	11.56	28.3	11.44	27.3	11.04	25.3	10.26	23.4	9.46
	-12.0	**-13.0**	32.1	11.62	31.3	11.58	29.3	10.84	28.4	10.48	27.4	10.12	25.4	9.40	23.5	8.68
	-9.0	**-10.0**	33.4	11.34	31.4	10.66	29.4	9.98	28.5	9.64	27.5	9.32	25.5	8.66	23.6	8.00
	-7.0	**-8.0**	33.5	10.74	31.5	10.10	29.5	9.46	28.5	9.16	27.5	8.84	25.6	8.22	23.6	7.60
	-5.0	**-6.0**	33.5	10.20	31.6	9.60	29.6	9.00	28.6	8.70	27.6	8.40	25.6	7.82	23.7	7.24
	-3.0	**-4.0**	33.6	9.70	31.6	9.14	29.7	8.56	28.7	8.28	27.7	8.00	25.7	7.44	23.7	6.88
	-1.0	**-2.0**	33.7	9.24	31.7	8.70	29.7	8.16	28.7	7.90	27.7	7.62	25.8	7.10	23.8	6.58
	0.0	**-1.0**	33.7	9.04	31.7	8.50	29.8	7.98	28.8	7.72	27.8	7.46	25.8	6.94	23.8	6.42
	2.0	**1.0**	33.8	8.62	31.8	8.12	29.8	7.62	28.8	7.36	27.8	7.12	25.9	6.64	23.9	6.14
	5.0	**4.0**	34.0	8.06	32.0	7.60	30.0	7.12	29.0	6.90	28.0	6.66	26.0	6.22	24.0	5.76
	7.0	**6.0**	34.0	7.72	32.0	7.28	30.0	6.82	29.0	6.60	28.0	6.40	26.0	5.96	24.0	5.52
	9.0	**7.8**	34.0	7.42	32.0	7.00	30.0	6.58	29.0	6.36	28.0	6.16	26.0	5.74	24.0	5.32
	12.0	**10.6**	34.0	7.00	32.0	6.60	30.0	6.22	29.0	6.02	28.0	5.82	26.0	5.42	24.0	5.04
	15.0	**13.5**	34.0	6.62	32.0	6.24	30.0	5.86	29.0	5.68	28.0	5.50	26.0	5.12	24.0	4.76
25.0 (50%)	-19.3	**-20.0**	24.9	10.86	24.7	11.14	24.2	11.18	23.4	10.80	22.6	10.44	21.0	9.70	19.4	8.96
	-15.0	**-16.0**	27.6	11.18	26.0	10.52	24.4	9.86	23.6	9.54	22.7	9.22	21.1	8.56	19.5	7.92
	-12.0	**-13.0**	27.7	10.24	26.1	9.64	24.5	9.04	23.6	8.74	22.8	8.44	21.2	7.86	19.6	7.28
	-9.0	**-10.0**	27.8	9.42	26.2	8.88	24.5	8.32	23.7	8.06	22.9	7.78	21.3	7.26	19.6	6.72
	-7.0	**-8.0**	27.9	8.94	26.2	8.42	24.6	7.90	23.8	7.66	23.0	7.40	21.3	6.88	19.7	6.38
	-5.0	**-6.0**	27.9	8.50	26.3	8.00	24.7	7.52	23.8	7.28	23.0	7.04	21.4	6.56	19.7	6.08
	-3.0	**-4.0**	28.0	8.10	26.4	7.62	24.7	7.16	23.9	6.94	23.1	6.70	21.4	6.26	19.8	5.80
	-1.0	**-2.0**	28.1	7.72	26.4	7.28	24.8	6.84	23.9	6.62	23.1	6.40	21.5	5.96	19.8	5.54
	0.0	**-1.0**	28.1	7.54	26.5	7.10	24.8	6.68	24.0	6.46	23.1	6.26	21.5	5.84	19.8	5.42
	2.0	**1.0**	28.2	7.20	26.5	6.80	24.9	6.38	24.0	6.18	23.2	5.98	21.5	5.58	19.9	5.18
	5.0	**4.0**	28.3	6.74	26.7	6.36	25.0	5.98	24.2	5.80	23.3	5.62	21.7	5.24	20.0	4.86
	7.0	**6.0**	28.3	6.46	26.7	6.10	25.0	5.74	24.2	5.56	23.3	5.38	21.7	5.02	20.0	4.68
	9.0	**7.8**	28.3	6.22	26.7	5.88	25.0	5.54	24.2	5.36	23.3	5.18	21.7	4.84	20.0	4.52
	12.0	**10.6**	28.3	5.88	26.7	5.56	25.0	5.24	24.2	5.08	23.3	4.92	21.7	4.60	20.0	4.28
	15.0	**13.5**	28.3	5.56	26.7	5.26	25.0	4.94	24.2	4.80	23.3	4.64	21.7	4.34	20.0	4.06

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ*198LALHH

● Capacity : 70.0 kW (22HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
105.0 (150%)	-19.3	-20.0	36.7	11.61	36.5	12.07	36.4	12.52	36.3	12.76	36.3	12.99	36.1	13.45	36.1	13.91
	-15.0	-16.0	42.7	12.29	42.6	12.75	42.4	13.23	42.3	13.46	42.2	13.69	42.0	14.16	41.9	14.64
	-12.0	-13.0	47.5	12.80	47.3	13.28	47.1	13.74	46.9	13.98	46.9	14.22	46.6	14.70	46.4	15.18
	-9.0	-10.0	52.4	13.30	52.1	13.79	51.9	14.27	51.8	14.51	51.6	14.75	51.4	15.23	51.1	15.72
	-7.0	-8.0	55.8	13.64	55.5	14.12	55.2	14.62	55.1	14.86	54.9	15.11	54.6	15.59	54.4	16.08
	-5.0	-6.0	59.2	13.98	58.9	14.47	58.5	14.96	58.4	15.20	58.2	15.46	57.9	15.95	57.5	16.44
	-3.0	-4.0	62.7	14.32	62.3	14.81	62.0	15.31	61.8	15.56	61.6	15.80	61.3	16.31	60.9	16.80
	-1.0	-2.0	66.2	14.65	65.9	15.16	65.4	15.66	65.2	15.91	65.0	16.16	64.6	16.66	64.2	17.17
	0.0	-1.0	68.1	14.82	67.6	15.33	67.2	15.83	67.0	16.09	66.8	16.33	66.3	16.84	65.9	17.35
	2.0	1.0	71.7	15.17	71.2	15.67	70.7	16.18	70.5	16.44	70.2	16.69	69.8	17.20	69.4	17.71
	5.0	4.0	77.3	15.68	76.8	16.19	76.3	16.71	76.0	16.97	75.7	17.23	75.2	17.74	74.7	18.27
	7.0	6.0	80.9	16.02	80.3	16.54	79.8	17.06	79.4	17.33	79.1	17.58	78.6	18.11	78.0	18.63
	9.0	7.8	84.0	16.33	83.4	16.85	82.9	17.39	82.6	17.64	82.2	17.91	81.6	18.44	81.0	18.97
	12.0	10.6	89.1	16.81	88.4	17.35	87.7	17.89	87.4	18.16	87.1	18.42	86.3	18.96	84.0	18.88
	15.0	13.5	94.2	17.32	93.5	17.86	92.8	18.41	92.4	18.68	92.1	18.95	91.0	19.38	84.0	17.79
98.0 (140%)	-19.3	-20.0	36.6	11.79	36.5	12.24	36.3	12.70	36.3	12.93	36.3	13.16	36.1	13.63	35.9	14.08
	-15.0	-16.0	42.6	12.50	42.5	12.96	42.4	13.44	42.2	13.67	42.2	13.90	42.0	14.37	41.8	14.84
	-12.0	-13.0	47.4	13.04	47.2	13.50	46.9	13.98	46.9	14.22	46.7	14.46	46.6	14.94	46.4	15.40
	-9.0	-10.0	52.3	13.57	52.1	14.05	51.8	14.52	51.6	14.76	51.5	15.01	51.2	15.49	50.9	15.97
	-7.0	-8.0	55.6	13.93	55.4	14.41	55.0	14.90	54.9	15.14	54.7	15.38	54.4	15.87	54.2	16.35
	-5.0	-6.0	59.0	14.28	58.7	14.77	58.3	15.26	58.2	15.50	58.0	15.75	57.7	16.25	57.3	16.73
	-3.0	-4.0	62.5	14.64	62.1	15.13	61.8	15.62	61.6	15.88	61.4	16.12	61.0	16.62	60.6	17.12
	-1.0	-2.0	66.0	15.00	65.6	15.49	65.2	16.00	65.0	16.24	64.7	16.49	64.4	17.00	63.9	17.50
	0.0	-1.0	67.8	15.18	67.3	15.67	66.9	16.18	66.7	16.43	66.5	16.69	66.1	17.18	65.6	17.69
	2.0	1.0	71.3	15.54	70.9	16.05	70.4	16.55	70.2	16.81	69.9	17.06	69.4	17.57	69.0	18.08
	5.0	4.0	77.0	16.08	76.4	16.59	75.9	17.11	75.6	17.37	75.3	17.62	74.8	18.15	74.2	18.66
	7.0	6.0	80.4	16.45	79.8	16.97	79.3	17.49	79.0	17.75	78.7	18.01	78.1	18.52	77.5	19.05
	9.0	7.8	83.5	16.78	82.9	17.30	82.4	17.82	82.1	18.09	81.7	18.35	81.1	18.88	78.3	18.62
	12.0	10.6	88.4	17.30	87.8	17.83	87.1	18.36	86.8	18.63	86.4	18.89	84.9	19.11	78.3	17.54
	15.0	13.5	93.6	17.85	92.8	18.38	92.1	18.92	91.7	19.19	91.3	19.45	84.9	18.00	78.3	16.53
91.0 (130%)	-19.3	-20.0	36.6	11.98	36.5	12.45	36.3	12.91	36.3	13.13	36.2	13.36	36.1	13.82	35.9	14.29
	-15.0	-16.0	42.6	12.74	42.4	13.21	42.2	13.68	42.2	13.90	42.0	14.14	41.9	14.61	41.7	15.07
	-12.0	-13.0	47.3	13.31	47.1	13.77	46.9	14.25	46.7	14.49	46.6	14.73	46.4	15.19	46.2	15.67
	-9.0	-10.0	52.1	13.87	51.9	14.34	51.6	14.82	51.4	15.06	51.3	15.30	51.1	15.79	50.8	16.27
	-7.0	-8.0	55.4	14.24	55.2	14.73	54.9	15.21	54.7	15.45	54.5	15.69	54.2	16.18	53.9	16.67
	-5.0	-6.0	58.8	14.62	58.5	15.11	58.2	15.60	58.0	15.84	57.8	16.09	57.5	16.58	57.2	17.07
	-3.0	-4.0	62.2	15.01	61.8	15.50	61.5	15.99	61.3	16.24	61.1	16.49	60.8	16.98	60.4	17.48
	-1.0	-2.0	65.7	15.39	65.2	15.88	64.9	16.39	64.7	16.63	64.4	16.88	64.1	17.38	63.6	17.88
	0.0	-1.0	67.4	15.58	67.0	16.08	66.6	16.58	66.4	16.82	66.1	17.08	65.8	17.58	65.3	18.08
	2.0	1.0	70.9	15.96	70.5	16.47	70.0	16.97	69.7	17.23	69.5	17.48	69.1	17.98	68.6	18.49
	5.0	4.0	76.5	16.55	75.9	17.06	75.4	17.57	75.2	17.82	74.9	18.08	74.4	18.59	72.8	18.70
	7.0	6.0	79.9	16.94	79.3	17.45	78.8	17.97	78.5	18.23	78.1	18.49	77.6	19.00	72.8	17.89
	9.0	7.8	82.9	17.29	82.4	17.81	81.8	18.33	81.4	18.60	81.1	18.86	78.9	18.74	72.8	17.21
	12.0	10.6	87.8	17.85	87.1	18.38	86.4	18.90	86.1	19.17	84.9	19.11	78.9	17.65	72.8	16.22
	15.0	13.5	92.7	18.43	92.0	18.97	91.0	19.38	87.9	18.69	84.9	18.00	78.9	16.63	72.8	15.29
84.0 (120%)	-19.3	-20.0	36.5	12.22	36.4	12.68	36.3	13.15	36.1	13.37	36.1	13.60	35.9	14.06	35.9	14.51
	-15.0	-16.0	42.4	13.02	42.3	13.48	42.1	13.95	42.0	14.19	41.9	14.42	41.7	14.89	41.5	15.35
	-12.0	-13.0	47.1	13.62	46.9	14.09	46.7	14.56	46.6	14.80	46.5	15.03	46.2	15.51	46.0	15.98
	-9.0	-10.0	51.9	14.21	51.6	14.69	51.4	15.17	51.3	15.41	51.1	15.66	50.9	16.14	50.6	16.61
	-7.0	-8.0	55.2	14.62	54.9	15.10	54.6	15.59	54.5	15.83	54.4	16.07	54.0	16.55	53.7	17.04
	-5.0	-6.0	58.5	15.02	58.2	15.51	57.8	15.99	57.7	16.23	57.5	16.49	57.2	16.97	56.8	17.46
	-3.0	-4.0	61.9	15.43	61.6	15.92	61.1	16.41	61.0	16.65	60.8	16.91	60.4	17.40	60.1	17.88
	-1.0	-2.0	65.4	15.84	64.9	16.33	64.5	16.82	64.3	17.08	64.1	17.33	63.7	17.82	63.2	18.32
	0.0	-1.0	67.1	16.04	66.6	16.54	66.1	17.03	66.0	17.29	65.8	17.54	65.3	18.03	64.9	18.53
	2.0	1.0	70.5	16.45	70.0	16.96	69.6	17.46	69.4	17.71	69.1	17.96	68.6	18.47	66.8	18.39
	5.0	4.0	75.9	17.08	75.4	17.59	74.9	18.10	74.6	18.35	74.3	18.61	72.8	18.70	67.2	17.19
	7.0	6.0	79.3	17.49	78.7	18.01	78.1	18.52	77.8	18.78	77.5	19.04	72.8	17.89	67.2	16.45
	9.0	7.8	82.3	17.88	81.6	18.39	81.1	18.91	80.8	19.17	78.4	18.62	72.8	17.21	67.2	15.83
	12.0	10.6	86.9	18.47	86.3	19.01	84.0	18.88	81.2	18.22	78.4	17.54	72.8	16.22	67.2	14.93
	15.0	13.5	91.8	19.11	89.6	19.06	84.0	17.79	81.2	17.15	78.4	16.53	72.8	15.29	67.2	14.07
77.0 (110%)	-19.3	-20.0	36.4	12.51	36.3	12.97	36.1	13.42	36.1	13.64	36.1	13.88	35.9	14.33	35.7	14.79
	-15.0	-16.0	42.4	13.35	42.2	13.81	42.0	14.28	41.9	14.51	41.8	14.74	41.7	15.20	41.5	15.68
	-12.0	-13.0	46.9	13.98	46.7	14.46	46.6	14.92	46.4	15.16	46.4	15.40	46.1	15.86	45.9	16.34
	-9.0	-10.0	51.7	14.63	51.4	15.10	51.2	15.58	51.1	15.82	50.9	16.06	50.6	16.54	50.4	17.02
	-7.0	-8.0	54.9	15.05	54.7	15.54	54.4	16.02	54.2	16.26	54.0	16.50	53.7	16.98	53.5	17.46
	-5.0	-6.0	58.2	15.49	57.9	15.98	57.5	16.46	57.4	16.70	57.2	16.95	56.9	17.43	56.5	17.92
	-3.0	-4.0	61.6	15.92	61.1	16.41	60.8	16.91	60.6	17.15	60.4	17.39	60.1	17.88	59.6	18.37
	-1.0	-2.0	64.9	16.36	64.5	16.85	64.1	17.35	63.9	17.60	63.7	17.84	63.2	18.33	61.0	18.00
	0.0	-1.0	66.6	16.58	66.1	17.08	65.8	17.57	65.5	17.82	65.3	18.07	64.8	18.57	61.0	17.59
	2.0	1.0	69.9	17.02	69.5	17.53	69.0	18.02	68.8	18.28	68.6	18.53	66.3	18.26	61.2	16.80
	5.0	4.0	75.2	17.70	74.7	18.21	74.2	18.71	73.9	18.97	71.9	18.44	66.7	17.06	61.6	15.70
	7.0	6.0	78.5	18.15	78.0	18.66	77.0	18.99	74.4	18.31	71.9	17.65	66.7	16.33	61.6	15.04
	9.0	7.8	81.4	18.57	80.9	19.08	77.0	18.26	74.4	17.62	71.9	16.98	66.7	15.72	61.6	14.47
	12.0	10.6	86.0	19.21	82.1	18.43	77.0	17.21	74.4	16.61	71.9	16.01	66.7	14.83	61.6	13.66
	15.0	13.5	87.2	18.53	82.1	17.36	77.0	16.21	74.4	15.65	71.9	15.09	66.7	13.98	61.6	12.88

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ✳198LALHH

● Capacity : 70.0 kW (22HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70.0 (100%)	-19.3	-20.0	36.3	12.83	36.2	13.30	36.1	13.75	36.1	13.98	35.9	14.21	35.8	14.67	35.7	15.12
	-15.0	-16.0	42.2	13.74	42.0	14.20	41.9	14.66	41.7	14.90	41.7	15.13	41.5	15.59	41.3	16.06
	-12.0	-13.0	46.8	14.43	46.6	14.89	46.4	15.37	46.2	15.59	46.1	15.83	45.9	16.30	45.7	16.77
	-9.0	-10.0	51.4	15.12	51.2	15.58	50.9	16.06	50.8	16.30	50.6	16.54	50.4	17.01	50.1	17.48
	-7.0	-8.0	54.6	15.57	54.4	16.05	54.0	16.53	53.9	16.77	53.7	17.01	53.4	17.49	53.2	17.97
	-5.0	-6.0	57.8	16.04	57.5	16.53	57.2	17.01	57.0	17.25	56.8	17.49	56.5	17.98	55.2	17.98
	-3.0	-4.0	61.1	16.52	60.8	17.00	60.4	17.49	60.1	17.73	60.0	17.97	59.6	18.46	55.3	17.11
	-1.0	-2.0	64.4	16.99	63.9	17.48	63.6	17.97	63.4	18.21	63.2	18.45	60.1	17.72	55.4	16.32
	0.0	-1.0	66.0	17.23	65.6	17.72	65.1	18.21	65.0	18.45	64.7	18.67	60.1	17.31	55.5	15.94
	2.0	1.0	69.4	17.71	68.9	18.20	68.4	18.69	67.2	18.53	64.9	17.85	60.2	16.53	55.6	15.23
	5.0	4.0	74.5	18.43	74.0	18.94	70.0	17.94	67.7	17.31	65.3	16.69	60.7	15.46	56.0	14.25
	7.0	6.0	77.7	18.93	74.7	18.37	70.0	17.17	67.7	16.57	65.3	15.98	60.7	14.81	56.0	13.64
	9.0	7.8	79.3	18.85	74.7	17.68	70.0	16.52	67.7	15.95	65.3	15.38	60.7	14.25	56.0	13.14
	12.0	10.6	79.3	17.77	74.7	16.66	70.0	15.58	67.7	15.04	65.3	14.50	60.7	13.45	56.0	12.40
	15.0	13.5	79.3	16.74	74.7	15.70	70.0	14.68	67.7	14.17	65.3	13.68	60.7	12.68	56.0	11.70
63.0 (90%)	-19.3	-20.0	36.3	13.25	36.1	13.70	35.9	14.16	35.9	14.38	35.9	14.61	35.7	15.07	35.5	15.52
	-15.0	-16.0	42.0	14.21	41.9	14.68	41.7	15.14	41.5	15.37	41.5	15.60	41.3	16.06	41.1	16.53
	-12.0	-13.0	46.6	14.95	46.3	15.42	46.1	15.89	46.0	16.13	45.9	16.35	45.7	16.82	45.4	17.29
	-9.0	-10.0	51.1	15.70	50.9	16.18	50.6	16.64	50.4	16.88	50.4	17.12	50.1	17.59	49.5	17.86
	-7.0	-8.0	54.2	16.20	53.9	16.68	53.7	17.15	53.5	17.39	53.4	17.63	53.0	18.11	49.5	16.96
	-5.0	-6.0	57.4	16.71	57.0	17.19	56.7	17.67	56.5	17.90	56.4	18.14	53.8	17.51	49.7	16.14
	-3.0	-4.0	60.6	17.22	60.1	17.70	59.8	18.19	59.6	18.43	58.1	18.00	53.9	16.67	49.8	15.37
	-1.0	-2.0	63.7	17.73	63.4	18.22	62.4	18.43	60.2	17.79	58.2	17.16	54.0	15.90	49.9	14.66
	0.0	-1.0	65.3	18.00	64.9	18.48	62.4	18.00	60.4	17.38	58.2	16.76	54.1	15.53	50.0	14.32
	2.0	1.0	68.6	18.52	66.8	18.39	62.6	17.19	60.5	16.60	58.4	16.00	54.2	14.84	50.1	13.69
	5.0	4.0	71.4	18.32	67.2	17.19	63.0	16.08	60.8	15.52	58.8	14.97	54.6	13.89	50.4	12.82
	7.0	6.0	71.4	17.53	67.2	16.45	63.0	15.38	60.9	14.86	58.8	14.34	54.6	13.31	50.4	12.28
	9.0	7.8	71.4	16.86	67.2	15.83	63.0	14.81	60.9	14.31	58.8	13.80	54.6	12.81	50.4	11.83
	12.0	10.6	71.4	15.89	67.2	14.93	63.0	13.97	60.9	13.49	58.8	13.03	54.6	12.09	50.4	11.17
	15.0	13.5	71.4	14.98	67.2	14.07	63.0	13.17	60.9	12.73	58.8	12.29	54.6	11.41	50.4	10.55
56.0 (80%)	-19.3	-20.0	36.1	13.75	35.9	14.20	35.8	14.65	35.7	14.89	35.7	15.11	35.5	15.56	35.4	16.01
	-15.0	-16.0	41.8	14.81	41.7	15.27	41.5	15.73	41.3	15.96	41.3	16.18	41.1	16.64	40.8	17.11
	-12.0	-13.0	46.2	15.62	46.0	16.08	45.7	16.54	45.7	16.77	45.5	17.01	45.3	17.47	43.7	17.18
	-9.0	-10.0	50.7	16.43	50.4	16.89	50.2	17.37	50.1	17.60	49.9	17.83	47.6	17.19	43.9	15.85
	-7.0	-8.0	53.7	16.97	53.5	17.45	53.2	17.92	53.0	18.15	51.4	17.61	47.7	16.33	44.0	15.06
	-5.0	-6.0	56.8	17.53	56.5	18.01	55.2	17.98	53.4	17.36	51.5	16.74	47.8	15.53	44.2	14.33
	-3.0	-4.0	59.9	18.10	59.0	18.30	55.3	17.11	53.4	16.52	51.7	15.95	47.9	14.79	44.2	13.66
	-1.0	-2.0	62.8	18.57	59.1	17.44	55.4	16.32	53.6	15.76	51.7	15.20	48.1	14.11	44.4	13.03
	0.0	-1.0	62.9	18.15	59.2	17.03	55.5	15.94	53.7	15.39	51.8	14.86	48.1	13.79	44.4	12.74
	2.0	1.0	63.0	17.32	59.3	16.27	55.6	15.23	53.7	14.71	52.0	14.20	48.2	13.19	44.5	12.18
	5.0	4.0	63.5	16.20	59.7	15.22	56.0	14.25	54.1	13.77	52.3	13.29	48.5	12.34	44.8	11.41
	7.0	6.0	63.5	15.50	59.7	14.57	56.0	13.64	54.1	13.19	52.3	12.74	48.5	11.83	44.8	10.94
	9.0	7.8	63.5	14.92	59.7	14.02	56.0	13.14	54.1	12.70	52.3	12.27	48.5	11.40	44.8	10.54
	12.0	10.6	63.5	14.08	59.7	13.24	56.0	12.40	54.1	11.99	52.3	11.58	48.5	10.76	44.8	9.96
	15.0	13.5	63.5	13.27	59.7	12.48	56.0	11.70	54.1	11.31	52.3	10.93	48.5	10.17	44.8	9.42
49.0 (70%)	-19.3	-20.0	35.9	14.39	35.7	14.84	35.6	15.29	35.6	15.52	35.5	15.75	35.4	16.20	35.2	16.65
	-15.0	-16.0	41.5	15.55	41.3	16.01	41.2	16.47	41.0	16.70	41.0	16.92	40.8	17.38	38.1	16.34
	-12.0	-13.0	45.9	16.45	45.6	16.90	45.4	17.36	45.2	17.60	44.7	17.54	41.5	16.27	38.3	15.02
	-9.0	-10.0	50.2	17.35	49.9	17.81	48.1	17.36	46.4	16.77	44.8	16.19	41.6	15.03	38.4	13.87
	-7.0	-8.0	53.2	17.95	51.4	17.61	48.1	16.48	46.5	15.92	45.0	15.38	41.7	14.28	38.5	13.19
	-5.0	-6.0	54.8	17.82	51.5	16.74	48.3	15.68	46.7	15.16	45.0	14.63	41.9	13.59	38.6	12.55
	-3.0	-4.0	54.8	16.97	51.7	15.95	48.4	14.94	46.7	14.44	45.1	13.94	41.9	12.95	38.7	11.97
	-1.0	-2.0	55.0	16.18	51.7	15.20	48.5	14.25	46.9	13.77	45.3	13.30	42.0	12.36	38.8	11.43
	0.0	-1.0	55.1	15.80	51.8	14.86	48.6	13.92	47.0	13.46	45.3	13.00	42.0	12.08	38.8	11.18
	2.0	1.0	55.1	15.10	52.0	14.20	48.7	13.31	47.0	12.87	45.4	12.42	42.2	11.55	38.9	10.69
	5.0	4.0	55.5	14.13	52.3	13.29	49.0	12.46	47.3	12.05	45.7	11.64	42.5	10.83	39.2	10.02
	7.0	6.0	55.5	13.53	52.3	12.74	49.0	11.94	47.3	11.55	45.7	11.16	42.5	10.38	39.2	9.62
	9.0	7.8	55.5	13.03	52.3	12.27	49.0	11.50	47.3	11.13	45.7	10.75	42.5	10.01	39.2	9.28
	12.0	10.6	55.5	12.30	52.3	11.58	49.0	10.87	47.3	10.52	45.7	10.16	42.5	9.47	39.2	8.78
	15.0	13.5	55.5	11.61	52.3	10.93	49.0	10.26	47.3	9.93	45.7	9.60	42.5	8.94	39.2	8.30
42.0 (60%)	-19.3	-20.0	35.7	15.24	35.5	15.69	35.4	16.13	35.3	16.36	35.2	16.58	34.9	16.95	32.5	15.82
	-15.0	-16.0	41.1	16.54	41.0	16.99	40.7	17.38	39.5	16.93	38.1	16.34	35.5	15.19	32.7	14.02
	-12.0	-13.0	45.3	17.53	43.7	17.18	41.1	16.09	39.7	15.56	38.3	15.02	35.5	13.96	32.8	12.91
	-9.0	-10.0	46.7	16.86	43.9	15.86	41.2	14.86	39.8	14.36	38.4	13.87	35.7	12.90	33.0	11.93
	-7.0	-8.0	46.8	16.01	44.0	15.06	41.3	14.11	39.9	13.65	38.5	13.19	35.8	12.26	33.0	11.35
	-5.0	-6.0	46.9	15.23	44.2	14.33	41.4	13.44	40.0	12.99	38.6	12.55	35.8	11.68	33.1	10.82
	-3.0	-4.0	47.0	14.50	44.2	13.66	41.4	12.81	40.0	12.39	38.7	11.97	36.0	11.14	33.2	10.31
	-1.0	-2.0	47.1	13.84	44.4	13.03	41.6	12.22	40.2	11.83	38.8	11.43	36.0	10.64	33.3	9.86
	0.0	-1.0	47.2	13.53	44.4	12.73	41.6	11.95	40.2	11.57	38.8	11.18	36.1	10.41	33.3	9.64
	2.0	1.0	47.3	12.93	44.5	12.18	41.7	11.43	40.3	11.05	38.9	10.69	36.1	9.96	33.3	9.23
	5.0	4.0	47.6	12.11	44.8	11.41	42.0	10.71	40.6	10.37	39.2	10.02	36.4	9.35	33.6	8.67
	7.0	6.0	47.6	11.61	44.8	10.94	42.0	10.27	40.6	9.94	39.2	9.62	36.4	8.97	33.6	8.32
	9.0	7.8	47.6	11.18	44.8	10.54	42.0	9.91	40.6	9.59	39.2	9.28	36.4	8.65	33.6	8.03
	12.0	10.6	47.6	10.56	44.8	9.96	42.0	9.37	40.6	9.07	39.2	8.78	36.4	8.19	33.6	7.61
	15.0	13.5	47.6	9.98	44.8	9.42	42.0	8.85	40.6	8.58	39.2	8.30	36.4	7.74	33.6	7.20
35.0 (50%)	-19.3	-20.0	35.3	16.41	35.2	16.85	33.9	16.47	32.7	15.92	31.6	15.39	29.4	14.30	27.1	13.23
	-15.0	-16.0	38.6	16.54	36.3	15.57	34.1	14.60	32.9	14.13	31.8	13.65	29.6	12.70	27.2	11.75
	-12.0	-13.0	38.8	15.20	36.4	14.32	34.2	13.43	33.0	12.99	31.9	12.55	29.6	11.69	27.4	10.83
	-9.0	-10.0	38.9	14.03	36.6	13.22	34.3	12.41	33.2	12.01	32.1	11.61	29.7	10.82	27.4	10.03
	-7.0	-8.0	38.9	13.34	36.7	12.57	34.4	11.80	33.2	11.43	32.1	11.05	29.8	10.29	27.5	9.54
	-5.0	-6.0	39.1	12.70	36.7	11.96	34.4	11.24	33.3	10.88	32.2	10.53	29.9	9.81	27.6	9.10
	-3.0	-4.0	39.2	12.11	36.9	11.41	34.6	10.73	33.3	10.39	32.2	10.04	29.9	9.37	27.6	8.70
	-1.0	-2.0	39.2	11.56	36.9	10.91	34.6	10.25	33.5	9.93	32.4	9.60	30.0	8.95	27.7	8.32
	0.0	-1.0	39.3	11.30	37.0	10.66	34.7	10.02	33.5	9.70	32.4	9.39	30.0	8.76	27.7	8.14
	2.0	1.0	39.4	10.81	37.1	10.20	34.7	9.59	33.6	9.29	32.4	8.99	30.1	8.39	27.7	7.80
	5.0	4.0	39.7	10.14	37.3	9.57	35.0	9.00	33.8	8.73	32.7	8.45	30.3	7.89	28.0	7.33
	7.0	6.0	39.7	9.73	37.3	9.18	35.0	8.64	33.8	8.38	32.7	8.11	30.3	7.57	28.0	7.05
	9.0	7.8	39.7	9.38	37.3	8.86	35.0	8.34	33.8	8.08	32.7	7.82	30.3	7.31	28.0	6.81
	12.0	10.6	39.7	8.87	37.3	8.39	35.0	7.90	33.8	7.66	32.7	7.42	30.3	6.94	28.0	6.46
	15.0	13.5	39.7	8.39	37.3	7.94	35.0	7.47	33.8	7.25	32.7	7.02	30.3	6.57	28.0	6.13

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ*216LALHH

● Capacity : 75.0 kW (24HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
112.5 (150%)	-19.3	-20.0	39.2	11.58	39.0	12.03	38.8	12.48	38.7	12.72	38.7	12.96	38.5	13.41	38.3	13.86
	-15.0	-16.0	45.7	12.27	45.5	12.72	45.3	13.20	45.2	13.44	45.1	13.65	44.8	14.13	44.6	14.61
	-12.0	-13.0	50.9	12.78	50.6	13.26	50.4	13.71	50.2	13.95	50.1	14.19	49.8	14.67	49.5	15.15
	-9.0	-10.0	56.2	13.29	55.9	13.77	55.6	14.25	55.4	14.49	55.3	14.73	54.9	15.21	54.6	15.69
	-7.0	-8.0	59.9	13.62	59.5	14.10	59.2	14.61	59.0	14.85	58.8	15.09	58.4	15.57	58.1	16.05
	-5.0	-6.0	63.6	13.98	63.2	14.46	62.8	14.94	62.6	15.18	62.4	15.45	62.0	15.93	61.6	16.41
	-3.0	-4.0	67.3	14.31	66.9	14.79	66.5	15.30	66.3	15.54	66.0	15.78	65.6	16.29	65.1	16.77
	-1.0	-2.0	71.2	14.64	70.7	15.15	70.2	15.66	70.0	15.90	69.7	16.14	69.3	16.65	68.8	17.16
	0.0	-1.0	73.1	14.82	72.6	15.33	72.1	15.81	71.9	16.08	71.6	16.32	71.1	16.83	70.6	17.34
	2.0	1.0	77.0	15.18	76.5	15.66	75.9	16.17	75.7	16.44	75.4	16.68	74.8	17.19	74.3	17.70
	5.0	4.0	83.2	15.69	82.6	16.20	81.9	16.71	81.6	16.98	81.3	17.22	80.7	17.73	80.1	18.27
	7.0	6.0	87.0	16.02	86.3	16.56	85.7	17.07	85.3	17.34	85.0	17.58	84.3	18.12	83.7	18.63
	9.0	7.8	90.4	16.35	89.7	16.86	89.0	17.40	88.7	17.64	88.3	17.91	87.6	18.45	86.9	18.96
	12.0	10.6	95.9	16.83	95.1	17.37	94.3	17.91	93.9	18.18	93.5	18.42	92.7	18.96	90.0	18.84
	15.0	13.5	101.5	17.34	100.6	17.88	99.8	18.42	99.4	18.69	98.9	18.96	97.5	19.32	90.0	17.73
105.0 (140%)	-19.3	-20.0	39.1	11.76	38.9	12.21	38.8	12.66	38.7	12.90	38.6	13.11	38.4	13.59	38.2	14.04
	-15.0	-16.0	45.6	12.48	45.4	12.93	45.2	13.41	45.1	13.65	45.0	13.86	44.7	14.34	44.5	14.79
	-12.0	-13.0	50.8	13.02	50.5	13.47	50.2	13.95	50.1	14.19	49.9	14.43	49.7	14.91	49.4	15.36
	-9.0	-10.0	56.1	13.56	55.7	14.04	55.4	14.49	55.2	14.73	55.1	14.97	54.7	15.45	54.4	15.93
	-7.0	-8.0	59.7	13.92	59.3	14.40	58.9	14.88	58.8	15.12	58.6	15.36	58.2	15.84	57.8	16.32
	-5.0	-6.0	63.3	14.28	62.9	14.76	62.5	15.24	62.3	15.48	62.1	15.72	61.7	16.23	61.3	16.71
	-3.0	-4.0	67.1	14.64	66.6	15.12	66.2	15.60	66.0	15.87	65.8	16.11	65.3	16.59	64.9	17.10
	-1.0	-2.0	70.9	15.00	70.4	15.48	69.9	15.99	69.7	16.23	69.4	16.47	68.9	16.98	68.4	17.49
	0.0	-1.0	72.8	15.18	72.3	15.66	71.8	16.17	71.5	16.41	71.3	16.68	70.8	17.16	70.2	17.67
	2.0	1.0	76.6	15.54	76.1	16.05	75.5	16.53	75.3	16.80	75.0	17.04	74.4	17.55	73.9	18.06
	5.0	4.0	82.7	16.08	82.1	16.59	81.5	17.10	81.1	17.37	80.8	17.61	80.2	18.15	79.6	18.66
	7.0	6.0	86.4	16.47	85.8	16.98	85.1	17.49	84.8	17.76	84.5	18.00	83.8	18.51	83.1	19.05
	9.0	7.8	89.8	16.80	89.1	17.31	88.4	17.82	88.1	18.09	87.7	18.36	87.0	18.87	84.0	18.60
	12.0	10.6	95.2	17.31	94.4	17.85	93.6	18.36	93.2	18.63	92.8	18.90	91.0	19.08	84.0	17.49
	15.0	13.5	100.7	17.88	99.8	18.39	99.0	18.93	98.5	19.20	98.0	19.44	91.0	17.94	84.0	16.47
97.5 (130%)	-19.3	-20.0	39.0	11.94	38.9	12.42	38.7	12.87	38.6	13.08	38.5	13.32	38.3	13.77	38.1	14.25
	-15.0	-16.0	45.5	12.72	45.3	13.17	45.1	13.65	45.0	13.86	44.8	14.10	44.6	14.58	44.4	15.03
	-12.0	-13.0	50.6	13.29	50.3	13.74	50.1	14.22	49.9	14.46	49.8	14.70	49.5	15.15	49.2	15.63
	-9.0	-10.0	55.9	13.86	55.5	14.31	55.2	14.79	55.0	15.03	54.9	15.27	54.5	15.75	54.2	16.23
	-7.0	-8.0	59.4	14.22	59.1	14.70	58.7	15.18	58.5	15.42	58.3	15.66	58.0	16.14	57.6	16.65
	-5.0	-6.0	63.1	14.61	62.7	15.09	62.3	15.57	62.1	15.81	61.9	16.08	61.5	16.56	61.1	17.04
	-3.0	-4.0	66.7	15.00	66.3	15.48	65.9	15.96	65.7	16.23	65.4	16.47	65.0	16.95	64.5	17.46
	-1.0	-2.0	70.5	15.39	70.0	15.87	69.5	16.38	69.3	16.62	69.0	16.86	68.6	17.37	68.1	17.85
	0.0	-1.0	72.4	15.57	71.9	16.08	71.4	16.56	71.1	16.80	70.9	17.07	70.4	17.55	69.8	18.06
	2.0	1.0	76.2	15.96	75.6	16.47	75.1	16.95	74.8	17.22	74.5	17.46	74.0	17.97	73.4	18.48
	5.0	4.0	82.1	16.56	81.5	17.07	80.9	17.58	80.6	17.82	80.3	18.06	79.7	18.57	78.0	18.72
	7.0	6.0	85.8	16.95	85.2	17.46	84.5	17.97	84.2	18.24	83.8	18.48	83.2	18.99	78.0	17.88
	9.0	7.8	89.2	17.31	88.5	17.82	87.8	18.33	87.4	18.60	87.1	18.87	84.5	18.72	78.0	17.19
	12.0	10.6	94.4	17.88	93.6	18.39	92.8	18.90	92.4	19.17	91.0	19.08	84.5	17.61	78.0	16.17
	15.0	13.5	99.7	18.45	98.9	18.99	97.5	19.32	94.2	18.63	91.0	17.94	84.5	16.56	78.0	15.24
90.0 (120%)	-19.3	-20.0	38.9	12.18	38.8	12.63	38.6	13.11	38.5	13.32	38.4	13.56	38.2	14.01	38.0	14.46
	-15.0	-16.0	45.4	12.99	45.2	13.44	44.9	13.92	44.8	14.16	44.7	14.37	44.5	14.85	44.2	15.30
	-12.0	-13.0	50.4	13.59	50.2	14.07	49.9	14.52	49.7	14.76	49.6	15.00	49.3	15.48	49.0	15.93
	-9.0	-10.0	55.6	14.19	55.3	14.67	55.0	15.15	54.8	15.39	54.6	15.63	54.3	16.11	54.0	16.56
	-7.0	-8.0	59.1	14.61	58.8	15.09	58.4	15.57	58.2	15.81	58.1	16.05	57.7	16.53	57.3	17.01
	-5.0	-6.0	62.7	15.00	62.3	15.48	61.9	15.96	61.7	16.20	61.5	16.47	61.1	16.95	60.7	17.43
	-3.0	-4.0	66.4	15.42	65.9	15.90	65.5	16.38	65.3	16.62	65.1	16.89	64.6	17.37	64.2	17.85
	-1.0	-2.0	70.1	15.84	69.6	16.32	69.1	16.80	68.9	17.07	68.6	17.31	68.1	17.79	67.6	18.30
	0.0	-1.0	71.9	16.02	71.4	16.53	70.9	17.01	70.7	17.28	70.4	17.52	69.9	18.00	69.4	18.51
	2.0	1.0	75.6	16.44	75.1	16.95	74.6	17.46	74.3	17.70	74.0	17.94	73.5	18.45	71.6	18.42
	5.0	4.0	81.5	17.07	80.9	17.58	80.3	18.09	80.0	18.33	79.6	18.60	78.0	18.72	72.0	17.19
	7.0	6.0	85.1	17.49	84.5	18.00	83.8	18.51	83.5	18.78	83.1	19.02	78.0	17.88	72.0	16.44
	9.0	7.8	88.4	17.88	87.7	18.39	87.0	18.90	86.6	19.17	84.0	18.60	78.0	17.19	72.0	15.81
	12.0	10.6	93.4	18.48	92.7	19.02	90.0	18.84	87.0	18.18	84.0	17.49	78.0	16.17	72.0	14.88
	15.0	13.5	98.7	19.14	96.0	18.99	90.0	17.73	87.0	17.10	84.0	16.47	78.0	15.24	72.0	14.01
82.5 (110%)	-19.3	-20.0	38.8	12.48	38.7	12.93	38.5	13.38	38.4	13.59	38.3	13.83	38.1	14.28	37.9	14.73
	-15.0	-16.0	45.2	13.32	45.0	13.77	44.8	14.25	44.7	14.46	44.5	14.70	44.3	15.15	44.1	15.63
	-12.0	-13.0	50.2	13.95	49.9	14.43	49.7	14.88	49.5	15.12	49.4	15.36	49.1	15.81	48.8	16.29
	-9.0	-10.0	55.3	14.61	55.0	15.06	54.7	15.54	54.5	15.78	54.4	16.02	54.0	16.50	53.7	16.98
	-7.0	-8.0	58.8	15.03	58.5	15.51	58.1	15.99	57.9	16.23	57.7	16.47	57.4	16.95	57.0	17.43
	-5.0	-6.0	62.4	15.48	62.0	15.96	61.6	16.44	61.4	16.68	61.2	16.92	60.8	17.40	60.3	17.88
	-3.0	-4.0	65.9	15.90	65.5	16.38	65.1	16.89	64.8	17.13	64.6	17.37	64.2	17.85	63.7	18.33
	-1.0	-2.0	69.5	16.35	69.1	16.83	68.6	17.34	68.3	17.58	68.1	17.82	67.6	18.30	65.4	18.06
	0.0	-1.0	71.4	16.56	70.9	17.07	70.4	17.55	70.1	17.79	69.9	18.06	69.4	18.54	65.5	17.64
	2.0	1.0	75.0	17.01	74.5	17.52	73.9	18.00	73.7	18.27	73.4	18.51	71.1	18.30	65.6	16.83
	5.0	4.0	80.7	17.70	80.1	18.21	79.5	18.69	79.2	18.96	77.0	18.45	71.5	17.07	66.0	15.69
	7.0	6.0	84.3	18.15	83.6	18.66	82.5	18.99	79.7	18.30	77.0	17.64	71.5	16.32	66.0	15.03
	9.0	7.8	87.4	18.57	86.7	19.08	82.5	18.24	79.7	17.61	77.0	16.95	71.5	15.69	66.0	14.43
	12.0	10.6	92.4	19.23	88.0	18.39	82.5	17.16	79.7	16.56	77.0	15.96	71.5	14.79	66.0	13.62
	15.0	13.5	93.5	18.48	88.0	17.31	82.5	16.14	79.7	15.60	77.0	15.03	71.5	13.92	66.0	12.81

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ*216LALHH

● Capacity : 75.0 kW (24HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
75.0 (100%)	-19.3	-20.0	38.7	12.78	38.5	13.26	38.4	13.71	38.3	13.92	38.2	14.16	38.0	14.61	37.8	15.06
	-15.0	-16.0	45.0	13.71	44.8	14.16	44.6	14.61	44.5	14.85	44.3	15.09	44.1	15.54	43.9	15.99
	-12.0	-13.0	50.0	14.40	49.7	14.85	49.4	15.33	49.3	15.54	49.1	15.78	48.8	16.26	48.6	16.71
	-9.0	-10.0	55.0	15.09	54.7	15.54	54.4	16.02	54.2	16.26	54.0	16.50	53.7	16.95	53.4	17.43
	-7.0	-8.0	58.4	15.54	58.1	16.02	57.7	16.50	57.5	16.74	57.3	16.98	57.0	17.46	56.6	17.91
	-5.0	-6.0	61.9	16.02	61.5	16.50	61.1	16.98	60.9	17.22	60.7	17.46	60.3	17.94	59.2	18.09
	-3.0	-4.0	65.4	16.50	65.0	16.98	64.5	17.46	64.3	17.70	64.1	17.94	63.6	18.42	59.3	17.19
	-1.0	-2.0	68.9	16.98	68.5	17.46	68.0	17.94	67.7	18.18	67.5	18.42	64.4	17.79	59.4	16.38
	0.0	-1.0	70.7	17.22	70.2	17.70	69.7	18.18	69.5	18.42	69.2	18.66	64.5	17.37	59.5	15.99
	2.0	1.0	74.3	17.70	73.7	18.18	73.2	18.66	72.1	18.57	69.6	17.88	64.6	16.56	59.7	15.24
	5.0	4.0	79.9	18.42	79.2	18.93	75.0	17.94	72.5	17.31	70.0	16.68	65.0	15.45	60.0	14.25
	7.0	6.0	83.3	18.93	80.0	18.36	75.0	17.16	72.5	16.56	70.0	15.96	65.0	14.79	60.0	13.62
	9.0	7.8	85.0	18.84	80.0	17.67	75.0	16.50	72.5	15.93	70.0	15.36	65.0	14.22	60.0	13.11
	12.0	10.6	85.0	17.73	80.0	16.62	75.0	15.54	72.5	15.00	70.0	14.46	65.0	13.41	60.0	12.36
	15.0	13.5	85.0	16.68	80.0	15.63	75.0	14.61	72.5	14.10	70.0	13.62	65.0	12.63	60.0	11.64
67.5 (90%)	-19.3	-20.0	38.6	13.20	38.4	13.65	38.2	14.10	38.1	14.31	38.0	14.55	37.8	15.00	37.6	15.45
	-15.0	-16.0	44.8	14.16	44.6	14.64	44.3	15.09	44.2	15.30	44.1	15.54	43.9	15.99	43.6	16.47
	-12.0	-13.0	49.7	14.91	49.4	15.36	49.1	15.84	49.0	16.08	48.8	16.29	48.5	16.77	48.2	17.22
	-9.0	-10.0	54.6	15.66	54.3	16.14	54.0	16.59	53.8	16.83	53.6	17.07	53.3	17.52	53.0	18.00
	-7.0	-8.0	58.0	16.17	57.6	16.65	57.2	17.10	57.1	17.34	56.9	17.58	56.5	18.06	53.1	17.07
	-5.0	-6.0	61.4	16.68	61.0	17.16	60.6	17.64	60.4	17.85	60.2	18.09	57.7	17.61	53.3	16.23
	-3.0	-4.0	64.8	17.19	64.3	17.67	63.9	18.15	63.7	18.39	62.3	18.09	57.8	16.74	53.4	15.42
	-1.0	-2.0	68.2	17.70	67.7	18.18	66.9	18.51	64.6	17.85	62.4	17.22	58.0	15.96	53.5	14.70
	0.0	-1.0	69.9	17.97	69.4	18.45	67.0	18.06	64.7	17.43	62.5	16.80	58.0	15.57	53.6	14.34
	2.0	1.0	73.4	18.51	71.6	18.42	67.1	17.22	64.9	16.62	62.6	16.02	58.2	14.85	53.7	13.71
	5.0	4.0	76.5	18.33	72.0	17.19	67.5	16.08	65.2	15.51	63.0	14.97	58.5	13.89	54.0	12.81
	7.0	6.0	76.5	17.52	72.0	16.44	67.5	15.36	65.3	14.85	63.0	14.31	58.5	13.29	54.0	12.24
	9.0	7.8	76.5	16.83	72.0	15.81	67.5	14.79	65.3	14.28	63.0	13.77	58.5	12.78	54.0	11.79
	12.0	10.6	76.5	15.84	72.0	14.88	67.5	13.92	65.3	13.44	63.0	12.99	58.5	12.03	54.0	11.13
	15.0	13.5	76.5	14.91	72.0	14.01	67.5	13.11	65.3	12.66	63.0	12.24	58.5	11.34	54.0	10.50
60.0 (80%)	-19.3	-20.0	38.4	13.68	38.2	14.13	38.0	14.58	37.9	14.82	37.8	15.03	37.6	15.48	37.4	15.93
	-15.0	-16.0	44.5	14.76	44.3	15.21	44.0	15.66	43.9	15.90	43.8	16.11	43.6	16.56	43.3	17.04
	-12.0	-13.0	49.3	15.57	49.0	16.02	48.7	16.47	48.6	16.71	48.4	16.95	48.1	17.40	46.9	17.37
	-9.0	-10.0	54.1	16.38	53.8	16.83	53.5	17.31	53.3	17.55	53.1	17.76	51.0	17.34	47.1	15.99
	-7.0	-8.0	57.4	16.92	57.0	17.40	56.7	17.85	56.5	18.09	55.1	17.73	51.2	16.44	47.2	15.15
	-5.0	-6.0	60.7	17.49	60.3	17.97	59.2	18.09	57.2	17.46	55.2	16.83	51.3	15.60	47.3	14.40
	-3.0	-4.0	64.0	18.06	63.3	18.39	59.3	17.19	57.3	16.59	55.4	16.02	51.4	14.85	47.4	13.71
	-1.0	-2.0	67.3	18.63	63.4	17.49	59.4	16.38	57.5	15.81	55.5	15.24	51.5	14.13	47.6	13.05
	0.0	-1.0	67.5	18.21	63.5	17.07	59.5	15.99	57.5	15.42	55.5	14.88	51.6	13.80	47.6	12.75
	2.0	1.0	67.6	17.34	63.6	16.29	59.7	15.24	57.7	14.73	55.7	14.22	51.7	13.20	47.7	12.18
	5.0	4.0	68.0	16.20	64.0	15.21	60.0	14.25	58.0	13.77	56.0	13.29	52.0	12.33	48.0	11.40
	7.0	6.0	68.0	15.48	64.0	14.55	60.0	13.62	58.0	13.17	56.0	12.72	52.0	11.79	48.0	10.92
	9.0	7.8	68.0	14.88	64.0	13.98	60.0	13.11	58.0	12.66	56.0	12.24	52.0	11.37	48.0	10.50
	12.0	10.6	68.0	14.04	64.0	13.20	60.0	12.36	58.0	11.94	56.0	11.52	52.0	10.71	48.0	9.90
	15.0	13.5	68.0	13.20	64.0	12.42	60.0	11.64	58.0	11.25	56.0	10.86	52.0	10.11	48.0	9.36
52.5 (70%)	-19.3	-20.0	38.1	14.31	37.9	14.76	37.7	15.21	37.7	15.42	37.6	15.66	37.4	16.11	37.2	16.56
	-15.0	-16.0	44.1	15.48	43.9	15.93	43.7	16.38	43.5	16.62	43.4	16.83	43.2	17.28	40.9	16.56
	-12.0	-13.0	48.8	16.38	48.5	16.83	48.2	17.28	48.1	17.52	47.9	17.73	44.5	16.44	41.1	15.18
	-9.0	-10.0	53.5	17.28	53.1	17.73	51.5	17.52	49.8	16.92	48.1	16.32	44.7	15.15	41.2	13.98
	-7.0	-8.0	56.6	17.88	55.1	17.73	51.7	16.59	49.9	16.02	48.2	15.48	44.8	14.37	41.3	13.26
	-5.0	-6.0	58.7	17.94	55.2	16.83	51.8	15.75	50.0	15.24	48.3	14.70	44.9	13.65	41.4	12.60
	-3.0	-4.0	58.8	17.04	55.4	16.02	51.9	15.00	50.2	14.49	48.4	13.98	45.0	12.99	41.5	12.00
	-1.0	-2.0	59.0	16.23	55.5	15.24	52.0	14.28	50.3	13.80	48.5	13.32	45.1	12.39	41.6	11.43
	0.0	-1.0	59.0	15.84	55.5	14.88	52.1	13.95	50.3	13.47	48.6	13.02	45.1	12.09	41.7	11.19
	2.0	1.0	59.2	15.12	55.7	14.22	52.2	13.32	50.5	12.87	48.7	12.42	45.2	11.55	41.8	10.68
	5.0	4.0	59.5	14.13	56.0	13.29	52.5	12.45	50.8	12.03	49.0	11.61	45.5	10.80	42.0	9.99
	7.0	6.0	59.5	13.50	56.0	12.72	52.5	11.91	50.8	11.52	49.0	11.13	45.5	10.35	42.0	9.60
	9.0	7.8	59.5	12.99	56.0	12.24	52.5	11.46	50.7	11.10	49.0	10.71	45.5	9.96	42.0	9.24
	12.0	10.6	59.5	12.24	56.0	11.52	52.5	10.83	50.7	10.47	49.0	10.11	45.5	9.42	42.0	8.73
	15.0	13.5	59.5	11.55	56.0	10.86	52.5	10.20	50.7	9.87	49.0	9.54	45.5	8.88	42.0	8.25
45.0 (60%)	-19.3	-20.0	37.8	15.15	37.6	15.60	37.4	16.02	37.3	16.26	37.2	16.47	37.0	16.92	34.9	16.11
	-15.0	-16.0	43.6	16.44	43.4	16.89	43.2	17.34	42.4	17.16	40.9	16.56	38.0	15.39	35.1	14.19
	-12.0	-13.0	48.1	17.43	46.9	17.37	44.0	16.26	42.5	15.72	41.1	15.18	38.1	14.10	35.2	13.02
	-9.0	-10.0	50.1	17.01	47.1	15.99	44.2	14.97	42.7	14.46	41.2	13.98	38.3	12.99	35.3	12.00
	-7.0	-8.0	50.2	16.11	47.2	15.15	44.3	14.19	42.8	13.74	41.3	13.26	38.4	12.33	35.4	11.40
	-5.0	-6.0	50.3	15.30	47.3	14.40	44.4	13.50	42.9	13.05	41.4	12.60	38.5	11.73	35.5	10.86
	-3.0	-4.0	50.4	14.55	47.4	13.71	44.5	12.84	43.0	12.42	41.5	12.00	38.6	11.16	35.6	10.32
	-1.0	-2.0	50.5	13.86	47.6	13.05	44.6	12.24	43.1	11.85	41.6	11.43	38.6	10.65	35.7	9.87
	0.0	-1.0	50.6	13.56	47.6	12.75	44.6	11.97	43.1	11.58	41.7	11.19	38.7	10.41	35.7	9.63
	2.0	1.0	50.7	12.93	47.7	12.18	44.7	11.43	43.2	11.04	41.8	10.68	38.8	9.96	35.8	9.21
	5.0	4.0	51.0	12.09	48.0	11.40	45.0	10.68	43.5	10.35	42.0	9.99	39.0	9.33	36.0	8.64
	7.0	6.0	51.0	11.58	48.0	10.92	45.0	10.23	43.5	9.90	42.0	9.60	39.0	8.94	36.0	8.28
	9.0	7.8	51.0	11.13	48.0	10.50	45.0	9.87	43.5	9.54	42.0	9.24	39.0	8.61	36.0	7.98
	12.0	10.6	51.0	10.50	48.0	9.90	45.0	9.33	43.5	9.03	42.0	8.73	39.0	8.13	36.0	7.56
	15.0	13.5	51.0	9.93	48.0	9.36	45.0	8.79	43.5	8.52	42.0	8.25	39.0	7.68	36.0	7.14
37.5 (50%)	-19.3	-20.0	37.3	16.29	37.1	16.71	36.4	16.77	35.2	16.20	33.9	15.66	31.5	14.55	29.1	13.44
	-15.0	-16.0	41.4	16.77	39.0	15.78	36.5	14.79	35.3	14.31	34.1	13.83	31.7	12.84	29.2	11.88
	-12.0	-13.0	41.6	15.36	39.1	14.46	36.7	13.56	35.5	13.11	34.2	12.66	31.8	11.79	29.3	10.92
	-9.0	-10.0	41.7	14.13	39.3	13.32	36.8	12.48	35.6	12.09	34.4	11.67	31.9	10.89	29.4	10.08
	-7.0	-8.0	41.8	13.41	39.4	12.63	36.9	11.85	35.7	11.49	34.4	11.10	32.0	10.32	29.5	9.57
	-5.0	-6.0	41.9	12.75	39.4	12.00	37.0	11.28	35.7	10.92	34.5	10.56	32.0	9.84	29.6	9.12
	-3.0	-4.0	42.0	12.15	39.5	11.43	37.1	10.74	35.8	10.41	34.6	10.05	32.1	9.39	29.7	8.70
	-1.0	-2.0	42.1	11.58	39.6	10.92	37.2	10.26	35.9	9.93	34.7	9.60	32.2	8.94	29.7	8.31
	0.0	-1.0	42.2	11.31	39.7	10.65	37.2	10.02	36.0	9.69	34.7	9.39	32.2	8.76	29.8	8.13
	2.0	1.0	42.3	10.80	39.8	10.20	37.3	9.57	36.0	9.27	34.8	8.97	32.3	8.37	29.8	7.77
	5.0	4.0	42.5	10.11	40.0	9.54	37.5	8.97	36.2	8.70	35.0	8.43	32.5	7.86	30.0	7.29
	7.0	6.0	42.5	9.69	40.0	9.15	37.5	8.61	36.2	8.34	35.0	8.07	32.5	7.53	30.0	7.02
	9.0	7.8	42.5	9.33	40.0	8.82	37.5	8.31	36.2	8.04	35.0	7.77	32.5	7.26	30.0	6.78
	12.0	10.6	42.5	8.82	40.0	8.34	37.5	7.86	36.2	7.62	35.0	7.38	32.5	6.90	30.0	6.42
	15.0	13.5	42.5	8.34	40.0	7.89	37.5	7.41	36.2	7.20	35.0	6.96	32.5	6.51	30.0	6.09

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ*234LALHH

● Capacity : 81.5 kW (26HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
122.3 (150%)	-19.3	**-20.0**	42.6	12.97	42.5	13.48	42.3	14.00	42.2	14.26	42.2	14.53	41.9	15.04	41.8	15.56
	-15.0	**-16.0**	49.7	13.74	49.5	14.26	49.3	14.80	49.2	15.07	49.0	15.32	48.8	15.86	48.6	16.40
	-12.0	**-13.0**	55.3	14.32	55.1	14.86	54.8	15.38	54.6	15.65	54.5	15.92	54.2	16.47	53.9	17.01
	-9.0	**-10.0**	61.1	14.89	60.8	15.44	60.4	15.98	60.2	16.26	60.0	16.53	59.7	17.07	59.4	17.62
	-7.0	**-8.0**	65.0	15.27	64.6	15.82	64.2	16.38	64.1	16.66	63.9	16.93	63.5	17.48	63.2	18.03
	-5.0	**-6.0**	69.0	15.67	68.6	16.21	68.2	16.76	68.0	17.04	67.8	17.33	67.4	17.88	66.9	18.43
	-3.0	**-4.0**	73.1	16.04	72.6	16.59	72.2	17.17	72.0	17.44	71.7	17.72	71.3	18.29	70.8	18.84
	-1.0	**-2.0**	77.2	16.42	76.7	16.99	76.2	17.57	76.0	17.84	75.7	18.12	75.3	18.70	74.7	19.27
	0.0	**-1.0**	79.2	16.62	78.8	17.19	78.3	17.75	78.0	18.04	77.7	18.32	77.2	18.90	76.8	19.47
	2.0	**1.0**	83.5	17.01	83.0	17.57	82.4	18.15	82.1	18.45	81.9	18.73	81.3	19.31	80.7	19.88
	5.0	**4.0**	90.1	17.59	89.5	18.17	88.9	18.75	88.6	19.05	88.2	19.33	87.6	19.92	87.0	20.52
	7.0	**6.0**	94.3	17.97	93.7	18.57	92.9	19.16	92.6	19.46	92.3	19.74	91.5	20.35	90.9	20.93
	9.0	**7.8**	98.0	18.33	97.3	18.92	96.6	19.53	96.2	19.81	95.8	20.11	95.1	20.72	94.3	21.31
	12.0	**10.6**	103.9	18.88	103.1	19.49	102.3	20.10	101.8	20.40	101.5	20.69	100.6	21.30	97.8	21.19
	15.0	**13.5**	109.9	19.46	109.1	20.07	108.2	20.68	107.7	20.99	107.3	21.29	105.9	21.75	97.8	19.95
114.1 (140%)	-19.3	**-20.0**	42.6	13.17	42.4	13.68	42.2	14.20	42.2	14.47	42.0	14.71	41.9	15.25	41.7	15.76
	-15.0	**-16.0**	49.6	13.98	49.4	14.50	49.2	15.04	49.0	15.31	49.0	15.56	48.7	16.09	48.5	16.61
	-12.0	**-13.0**	55.1	14.59	54.9	15.11	54.6	15.65	54.5	15.92	54.4	16.19	54.1	16.73	53.8	17.26
	-9.0	**-10.0**	60.9	15.20	60.6	15.74	60.2	16.26	60.0	16.54	59.9	16.81	59.6	17.35	59.3	17.90
	-7.0	**-8.0**	64.8	15.60	64.4	16.15	64.1	16.69	63.9	16.97	63.7	17.24	63.3	17.79	63.0	18.33
	-5.0	**-6.0**	68.7	16.01	68.4	16.55	67.9	17.10	67.8	17.38	67.5	17.65	67.2	18.22	66.7	18.77
	-3.0	**-4.0**	72.8	16.41	72.3	16.96	71.9	17.51	71.7	17.81	71.4	18.08	71.0	18.64	70.5	19.21
	-1.0	**-2.0**	76.8	16.82	76.4	17.37	75.9	17.94	75.6	18.22	75.4	18.50	75.0	19.07	74.4	19.64
	0.0	**-1.0**	78.9	17.02	78.5	17.57	77.9	18.15	77.7	18.43	77.4	18.72	76.9	19.28	76.3	19.85
	2.0	**1.0**	83.1	17.43	82.5	18.00	82.0	18.56	81.7	18.86	81.4	19.14	80.8	19.72	80.3	20.29
	5.0	**4.0**	89.6	18.04	89.0	18.62	88.4	19.20	88.1	19.50	87.8	19.78	87.1	20.38	86.5	20.96
	7.0	**6.0**	93.7	18.47	93.1	19.05	92.4	19.63	92.0	19.94	91.7	20.22	91.0	20.80	90.3	21.40
	9.0	**7.8**	97.4	18.84	96.6	19.43	96.0	20.01	95.6	20.31	95.2	20.62	94.5	21.20	91.2	20.90
	12.0	**10.6**	103.1	19.42	102.3	20.03	101.5	20.62	101.2	20.92	100.7	21.23	98.9	21.46	91.2	19.67
	15.0	**13.5**	109.1	20.06	108.2	20.65	107.4	21.26	106.9	21.57	106.3	21.85	98.9	20.18	91.2	18.52
106.0 (130%)	-19.3	**-20.0**	42.5	13.39	42.3	13.92	42.2	14.43	42.0	14.68	42.0	14.95	41.8	15.46	41.6	16.00
	-15.0	**-16.0**	49.6	14.25	49.3	14.77	49.0	15.31	49.0	15.56	48.9	15.83	48.6	16.36	48.4	16.88
	-12.0	**-13.0**	55.0	14.89	54.8	15.42	54.5	15.96	54.3	16.23	54.2	16.50	53.9	17.02	53.6	17.56
	-9.0	**-10.0**	60.6	15.54	60.3	16.06	60.0	16.60	59.9	16.88	59.7	17.15	59.4	17.69	59.0	18.24
	-7.0	**-8.0**	64.5	15.95	64.2	16.50	63.8	17.04	63.6	17.32	63.5	17.59	63.1	18.13	62.7	18.70
	-5.0	**-6.0**	68.4	16.39	68.1	16.93	67.7	17.48	67.5	17.76	67.2	18.05	66.9	18.60	66.4	19.15
	-3.0	**-4.0**	72.5	16.82	72.0	17.37	71.5	17.92	71.4	18.22	71.1	18.49	70.6	19.04	70.2	19.61
	-1.0	**-2.0**	76.5	17.26	76.0	17.81	75.6	18.38	75.3	18.66	75.0	18.94	74.5	19.51	74.0	20.06
	0.0	**-1.0**	78.5	17.47	78.0	18.04	77.5	18.59	77.2	18.87	76.9	19.17	76.5	19.72	76.0	20.30
	2.0	**1.0**	82.7	17.91	82.1	18.48	81.6	19.04	81.3	19.34	81.0	19.61	80.4	20.19	79.9	20.77
	5.0	**4.0**	89.1	18.58	88.4	19.15	87.8	19.73	87.5	20.01	87.2	20.29	86.5	20.87	84.7	21.02
	7.0	**6.0**	93.1	19.02	92.4	19.60	91.7	20.18	91.4	20.48	91.0	20.76	90.3	21.34	84.7	20.09
	9.0	**7.8**	96.7	19.42	96.0	20.00	95.2	20.59	94.9	20.89	94.5	21.19	91.7	21.04	84.7	19.31
	12.0	**10.6**	102.3	20.06	101.5	20.65	100.7	21.23	100.3	21.54	98.9	21.46	91.7	19.80	84.7	18.18
	15.0	**13.5**	108.1	20.71	107.2	21.32	105.9	21.75	102.3	20.97	98.9	20.18	91.7	18.63	84.7	17.13
97.8 (120%)	-19.3	**-20.0**	42.4	13.66	42.2	14.17	42.0	14.70	42.0	14.95	41.9	15.22	41.7	15.73	41.6	16.24
	-15.0	**-16.0**	49.4	14.56	49.2	15.08	49.0	15.62	48.8	15.89	48.7	16.14	48.4	16.67	48.3	17.19
	-12.0	**-13.0**	54.8	15.24	54.5	15.78	54.3	16.30	54.2	16.57	54.0	16.84	53.8	17.38	53.5	17.90
	-9.0	**-10.0**	60.5	15.92	60.2	16.46	59.7	17.01	59.6	17.28	59.4	17.55	59.1	18.09	58.8	18.62
	-7.0	**-8.0**	64.2	16.39	63.9	16.93	63.6	17.48	63.3	17.75	63.2	18.02	62.8	18.57	62.4	19.11
	-5.0	**-6.0**	68.1	16.83	67.8	17.38	67.3	17.93	67.2	18.20	66.9	18.49	66.6	19.04	66.1	19.59
	-3.0	**-4.0**	72.0	17.30	71.7	17.85	71.2	18.40	70.9	18.67	70.8	18.97	70.3	19.52	69.8	20.07
	-1.0	**-2.0**	76.1	17.77	75.6	18.32	75.1	18.87	74.8	19.17	74.5	19.44	74.1	20.00	73.6	20.57
	0.0	**-1.0**	78.0	17.98	77.5	18.56	77.1	19.11	76.8	19.41	76.5	19.68	76.0	20.23	75.5	20.81
	2.0	**1.0**	82.1	18.46	81.6	19.03	81.0	19.60	80.7	19.88	80.4	20.16	79.9	20.73	77.7	20.67
	5.0	**4.0**	88.4	19.16	87.8	19.74	87.2	20.32	86.8	20.60	86.5	20.90	84.7	21.02	78.2	19.30
	7.0	**6.0**	92.3	19.64	91.7	20.22	91.0	20.80	90.6	21.10	90.3	21.38	84.7	20.09	78.2	18.46
	9.0	**7.8**	95.9	20.08	95.1	20.66	94.4	21.24	94.0	21.54	91.2	20.90	84.7	19.31	78.2	17.75
	12.0	**10.6**	101.4	20.75	100.6	21.36	97.8	21.19	94.5	20.44	91.2	19.67	84.7	18.18	78.2	16.72
	15.0	**13.5**	107.0	21.48	104.3	21.38	97.8	19.95	94.5	19.23	91.2	18.52	84.7	17.13	78.2	15.74
89.7 (110%)	-19.3	**-20.0**	42.3	13.99	42.2	14.50	42.0	15.01	41.9	15.26	41.8	15.53	41.6	16.04	41.5	16.55
	-15.0	**-16.0**	49.3	14.94	49.0	15.45	48.7	15.99	48.7	16.24	48.6	16.51	48.3	17.03	48.1	17.56
	-12.0	**-13.0**	54.6	15.65	54.4	16.19	54.1	16.71	53.9	16.98	53.8	17.25	53.5	17.77	53.2	18.31
	-9.0	**-10.0**	60.2	16.39	59.9	16.91	59.6	17.45	59.4	17.73	59.1	18.00	58.8	18.54	58.5	19.08
	-7.0	**-8.0**	63.9	16.87	63.6	17.41	63.2	17.96	63.0	18.23	62.8	18.50	62.4	19.05	62.1	19.59
	-5.0	**-6.0**	67.8	17.37	67.3	17.92	66.9	18.46	66.7	18.74	66.6	19.01	66.1	19.56	65.7	20.10
	-3.0	**-4.0**	71.7	17.85	71.2	18.40	70.8	18.97	70.5	19.24	70.3	19.52	69.8	20.07	69.4	20.61
	-1.0	**-2.0**	75.6	18.36	75.0	18.91	74.5	19.48	74.3	19.75	74.1	20.03	73.6	20.58	71.0	20.24
	0.0	**-1.0**	77.5	18.60	76.9	19.17	76.5	19.72	76.2	20.00	76.0	20.29	75.4	20.84	71.0	19.77
	2.0	**1.0**	81.4	19.10	81.0	19.68	80.4	20.23	80.1	20.53	79.8	20.80	77.2	20.53	71.2	18.87
	5.0	**4.0**	87.6	19.88	87.0	20.45	86.4	21.01	86.1	21.31	83.6	20.72	77.7	19.16	71.7	17.61
	7.0	**6.0**	91.5	20.39	90.8	20.96	89.6	21.33	86.6	20.56	83.6	19.81	77.7	18.32	71.7	16.86
	9.0	**7.8**	94.9	20.86	94.2	21.44	89.6	20.50	86.6	19.78	83.6	19.04	77.7	17.62	71.7	16.20
	12.0	**10.6**	100.3	21.60	95.6	20.69	89.6	19.30	86.6	18.62	83.6	17.94	77.7	16.61	71.7	15.28
	15.0	**13.5**	101.5	20.79	95.6	19.47	89.6	18.16	86.6	17.53	83.6	16.89	77.7	15.63	71.7	14.39

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ✳234LALHH

● Capacity : 81.5 kW (26HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
81.5 (100%)	-19.3	-20.0	42.2	14.34	42.0	14.88	41.9	15.39	41.8	15.64	41.6	15.90	41.5	16.41	41.3	16.93
	-15.0	-16.0	49.0	15.38	48.8	15.90	48.6	16.41	48.4	16.68	48.4	16.95	48.1	17.47	47.9	17.98
	-12.0	-13.0	54.4	16.16	54.1	16.68	53.8	17.22	53.6	17.47	53.6	17.73	53.3	18.27	53.0	18.79
	-9.0	-10.0	59.9	16.94	59.6	17.46	59.1	18.00	59.0	18.27	58.8	18.54	58.5	19.06	58.2	19.61
	-7.0	-8.0	63.6	17.45	63.2	18.00	62.8	18.54	62.7	18.81	62.4	19.08	62.1	19.63	61.7	20.15
	-5.0	-6.0	67.3	17.99	66.9	18.53	66.5	19.08	66.3	19.35	66.1	19.62	65.7	20.17	64.2	20.24
	-3.0	-4.0	71.1	18.53	70.6	19.07	70.2	19.62	70.0	19.89	69.7	20.17	69.3	20.71	64.4	19.25
	-1.0	-2.0	75.0	19.07	74.4	19.62	73.9	20.16	73.7	20.44	73.4	20.71	69.9	19.93	64.5	18.34
	0.0	-1.0	76.8	19.34	76.3	19.89	75.8	20.44	75.5	20.71	75.2	20.97	70.0	19.46	64.6	17.91
	2.0	1.0	80.7	19.88	80.2	20.43	79.6	20.98	78.3	20.83	75.6	20.06	70.2	18.57	64.8	17.08
	5.0	4.0	86.7	20.70	86.1	21.27	81.5	20.14	78.7	19.43	76.1	18.72	70.6	17.33	65.2	15.97
	7.0	6.0	90.4	21.27	86.8	20.63	81.5	19.27	78.7	18.59	76.1	17.92	70.6	16.59	65.2	15.27
	9.0	7.8	92.4	21.17	86.8	19.85	81.5	18.53	78.7	17.88	76.1	17.24	70.6	15.96	65.2	14.70
	12.0	10.6	92.4	19.93	86.9	18.68	81.5	17.46	78.7	16.85	76.1	16.24	70.6	15.05	65.2	13.86
	15.0	13.5	92.4	18.76	86.9	17.58	81.5	16.42	78.7	15.85	76.1	15.29	70.6	14.17	65.2	13.06
73.4 (90%)	-19.3	-20.0	42.0	14.81	41.9	15.33	41.7	15.84	41.6	16.08	41.5	16.35	41.3	16.86	41.2	17.38
	-15.0	-16.0	48.8	15.90	48.6	16.44	48.4	16.96	48.3	17.20	48.1	17.47	47.9	17.99	47.7	18.52
	-12.0	-13.0	54.1	16.75	53.8	17.26	53.5	17.80	53.3	18.07	53.2	18.32	53.0	18.86	52.7	19.38
	-9.0	-10.0	59.4	17.59	59.1	18.13	58.8	18.65	58.6	18.92	58.5	19.19	58.1	19.71	57.5	20.12
	-7.0	-8.0	63.0	18.17	62.7	18.71	62.4	19.23	62.1	19.50	61.9	19.77	61.6	20.31	57.7	19.09
	-5.0	-6.0	66.7	18.74	66.3	19.28	66.0	19.83	65.7	20.08	65.5	20.35	62.7	19.70	57.8	18.15
	-3.0	-4.0	70.5	19.32	70.0	19.86	69.5	20.41	69.3	20.68	67.6	20.26	62.7	18.74	58.0	17.26
	-1.0	-2.0	74.2	19.90	73.7	20.44	72.6	20.74	70.2	20.00	67.8	19.29	62.9	17.87	58.1	16.45
	0.0	-1.0	76.0	20.20	75.5	20.75	72.7	20.24	70.2	19.54	67.9	18.83	63.0	17.44	58.1	16.06
	2.0	1.0	79.8	20.80	77.7	20.67	72.8	19.31	70.4	18.64	68.1	17.96	63.2	16.64	58.3	15.35
	5.0	4.0	83.1	20.58	78.2	19.30	73.3	18.04	70.9	17.40	68.4	16.79	63.5	15.56	58.6	14.35
	7.0	6.0	83.1	19.68	78.2	18.46	73.3	17.24	70.9	16.66	68.4	16.06	63.5	14.89	58.6	13.72
	9.0	7.8	83.1	18.91	78.2	17.75	73.3	16.60	70.9	16.02	68.4	15.45	63.5	14.33	58.6	13.21
	12.0	10.6	83.1	17.81	78.2	16.72	73.3	15.63	70.9	15.09	68.4	14.57	63.5	13.50	58.6	12.47
	15.0	13.5	83.1	16.76	78.2	15.74	73.3	14.72	70.9	14.22	68.4	13.73	63.5	12.72	58.6	11.76
65.2 (80%)	-19.3	-20.0	41.9	15.37	41.7	15.88	41.5	16.39	41.5	16.66	41.3	16.90	41.2	17.42	41.0	17.93
	-15.0	-16.0	48.5	16.58	48.3	17.10	48.1	17.61	48.0	17.88	47.8	18.12	47.6	18.64	47.4	19.17
	-12.0	-13.0	53.6	17.49	53.4	18.01	53.2	18.53	53.0	18.80	52.9	19.06	52.6	19.58	51.0	19.37
	-9.0	-10.0	59.0	18.41	58.6	18.93	58.2	19.47	58.1	19.74	57.9	19.99	55.4	19.37	51.1	17.85
	-7.0	-8.0	62.5	19.03	62.1	19.57	61.8	20.09	61.5	20.36	59.8	19.82	55.5	18.37	51.3	16.93
	-5.0	-6.0	66.0	19.67	65.7	20.21	64.2	20.24	62.1	19.53	59.9	18.83	55.7	17.45	51.4	16.09
	-3.0	-4.0	69.7	20.31	68.7	20.59	64.4	19.25	62.2	18.57	60.1	17.92	55.8	16.61	51.5	15.32
	-1.0	-2.0	73.1	20.89	68.9	19.60	64.5	18.34	62.4	17.70	60.3	17.07	55.9	15.82	51.6	14.60
	0.0	-1.0	73.3	20.41	68.9	19.14	64.6	17.91	62.5	17.28	60.3	16.67	56.0	15.45	51.6	14.26
	2.0	1.0	73.4	19.45	69.1	18.26	64.8	17.08	62.6	16.50	60.4	15.92	56.2	14.77	51.8	13.63
	5.0	4.0	73.8	18.18	69.5	17.06	65.2	15.97	63.0	15.43	60.8	14.89	56.5	13.81	52.1	12.75
	7.0	6.0	73.8	17.38	69.5	16.32	65.2	15.27	63.0	14.76	60.8	14.25	56.5	13.21	52.1	12.22
	9.0	7.8	73.8	16.71	69.5	15.69	65.2	14.70	63.0	14.20	60.8	13.71	56.5	12.73	52.1	11.75
	12.0	10.6	73.8	15.76	69.5	14.81	65.2	13.86	63.0	13.39	60.8	12.92	56.5	12.00	52.1	11.09
	15.0	13.5	73.8	14.83	69.5	13.94	65.2	13.06	63.0	12.62	60.8	12.18	56.5	11.32	52.1	10.47
57.1 (70%)	-19.3	-20.0	41.6	16.09	41.5	16.60	41.3	17.11	41.2	17.36	41.1	17.62	40.9	18.13	40.8	18.65
	-15.0	-16.0	48.1	17.41	48.0	17.93	47.7	18.44	47.6	18.71	47.5	18.95	47.2	19.47	44.4	18.44
	-12.0	-13.0	53.2	18.42	52.9	18.94	52.6	19.46	52.4	19.72	52.0	19.78	48.3	18.34	44.6	16.92
	-9.0	-10.0	58.2	19.44	57.9	19.96	56.0	19.56	54.1	18.89	52.2	18.22	48.5	16.90	44.8	15.59
	-7.0	-8.0	61.8	20.13	59.8	19.82	56.0	18.55	54.2	17.91	52.3	17.29	48.6	16.04	44.8	14.80
	-5.0	-6.0	63.7	20.07	59.9	18.83	56.2	17.62	54.4	17.03	52.4	16.43	48.7	15.25	44.9	14.07
	-3.0	-4.0	63.9	19.08	60.1	17.93	56.3	16.78	54.4	16.21	52.6	15.63	48.8	14.52	45.1	13.40
	-1.0	-2.0	64.0	18.18	60.3	17.07	56.5	15.98	54.6	15.44	52.7	14.90	49.0	13.85	45.1	12.78
	0.0	-1.0	64.0	17.75	60.3	16.67	56.5	15.61	54.7	15.08	52.8	14.56	49.0	13.52	45.2	12.50
	2.0	1.0	64.2	16.94	60.4	15.92	56.7	14.91	54.7	14.41	52.9	13.90	49.1	12.92	45.3	11.94
	5.0	4.0	64.6	15.83	60.8	14.89	57.0	13.94	55.1	13.47	53.2	13.00	49.4	12.08	45.6	11.17
	7.0	6.0	64.6	15.14	60.8	14.25	57.0	13.34	55.1	12.90	53.2	12.46	49.4	11.58	45.6	10.72
	9.0	7.8	64.6	14.57	60.8	13.71	57.0	12.84	55.1	12.43	53.2	11.99	49.4	11.15	45.6	10.32
	12.0	10.6	64.6	13.73	60.8	12.92	57.0	12.13	55.1	11.72	53.2	11.32	49.4	10.53	45.6	9.75
	15.0	13.5	64.6	12.95	60.8	12.18	57.0	11.43	55.1	11.05	53.2	10.68	49.4	9.94	45.6	9.21
48.9 (60%)	-19.3	-20.0	41.3	17.05	41.2	17.56	40.9	18.05	40.9	18.31	40.8	18.56	40.5	19.02	37.9	17.88
	-15.0	-16.0	47.7	18.51	47.4	19.03	47.2	19.50	46.1	19.11	44.4	18.44	41.2	17.12	38.1	15.79
	-12.0	-13.0	52.6	19.64	51.0	19.37	47.7	18.13	46.2	17.52	44.6	16.92	41.4	15.71	38.2	14.50
	-9.0	-10.0	54.4	18.99	51.1	17.85	47.9	16.71	46.4	16.14	44.8	15.59	41.5	14.48	38.4	13.38
	-7.0	-8.0	54.5	18.00	51.3	16.93	48.0	15.85	46.4	15.33	44.8	14.80	41.7	13.75	38.4	12.71
	-5.0	-6.0	54.6	17.11	51.4	16.09	48.2	15.08	46.6	14.57	44.9	14.07	41.7	13.09	38.6	12.10
	-3.0	-4.0	54.7	16.28	51.5	15.32	48.3	14.35	46.7	13.88	45.1	13.40	41.8	12.46	38.6	11.52
	-1.0	-2.0	54.9	15.51	51.6	14.60	48.4	13.68	46.8	13.24	45.1	12.78	42.0	11.89	38.7	11.01
	0.0	-1.0	54.9	15.17	51.6	14.26	48.5	13.38	46.9	12.94	45.2	12.50	42.0	11.62	38.7	10.75
	2.0	1.0	55.0	14.47	51.8	13.63	48.5	12.78	46.9	12.35	45.3	11.94	42.1	11.12	38.9	10.28
	5.0	4.0	55.4	13.54	52.1	12.75	48.9	11.95	47.2	11.57	45.6	11.17	42.3	10.41	39.1	9.64
	7.0	6.0	55.4	12.97	52.1	12.22	48.9	11.45	47.2	11.08	45.6	10.72	42.3	9.98	39.1	9.24
	9.0	7.8	55.4	12.47	52.1	11.75	48.9	11.04	47.2	10.67	45.6	10.32	42.3	9.61	39.1	8.91
	12.0	10.6	55.4	11.77	52.1	11.09	48.9	10.43	47.2	10.09	45.6	9.75	42.3	9.08	39.1	8.43
	15.0	13.5	55.4	11.12	52.1	10.47	48.9	9.83	47.2	9.52	45.6	9.21	42.3	8.58	39.1	7.96
40.8 (50%)	-19.3	-20.0	40.9	18.36	40.6	18.85	39.4	18.62	38.1	17.99	36.8	17.38	34.2	16.14	31.6	14.91
	-15.0	-16.0	44.9	18.67	42.3	17.56	39.7	16.46	38.4	15.91	37.0	15.38	34.4	14.28	31.7	13.20
	-12.0	-13.0	45.1	17.12	42.5	16.11	39.9	15.10	38.4	14.60	37.1	14.10	34.5	13.12	31.9	12.14
	-9.0	-10.0	45.3	15.77	42.6	14.85	39.9	13.92	38.6	13.47	37.3	13.01	34.6	12.12	31.9	11.21
	-7.0	-8.0	45.4	14.97	42.7	14.09	40.0	13.22	38.7	12.80	37.4	12.37	34.7	11.50	32.0	10.65
	-5.0	-6.0	45.5	14.24	42.8	13.40	40.2	12.58	38.8	12.18	37.4	11.77	34.8	10.96	32.1	10.15
	-3.0	-4.0	45.6	13.57	43.0	12.77	40.2	11.99	38.9	11.61	37.6	11.21	34.8	10.46	32.2	9.69
	-1.0	-2.0	45.7	12.94	43.0	12.19	40.4	11.45	38.9	11.08	37.6	10.71	35.0	9.97	32.2	9.25
	0.0	-1.0	45.8	12.64	43.1	11.90	40.4	11.18	39.1	10.82	37.6	10.47	35.0	9.76	32.2	9.05
	2.0	1.0	45.9	12.07	43.2	11.39	40.5	10.69	39.1	10.35	37.8	10.01	35.0	9.33	32.4	8.65
	5.0	4.0	46.1	11.30	43.5	10.66	40.7	10.02	39.4	9.71	38.0	9.40	35.3	8.76	32.6	8.12
	7.0	6.0	46.1	10.83	43.5	10.22	40.7	9.61	39.4	9.31	38.0	9.00	35.3	8.39	32.6	7.81
	9.0	7.8	46.1	10.43	43.5	9.85	40.7	9.27	39.4	8.97	38.0	8.67	35.3	8.09	32.6	7.54
	12.0	10.6	46.1	9.86	43.5	9.31	40.7	8.77	39.4	8.49	38.0	8.22	35.3	7.68	32.6	7.14
	15.0	13.5	46.1	9.32	43.5	8.80	40.7	8.27	39.4	8.03	38.0	7.76	35.3	7.25	32.6	6.76

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ✳252LALHH

● Capacity : 87.5 kW (28HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
131.3 (150%)	-19.3	**-20.0**	45.7	14.00	45.6	14.55	45.4	15.10	45.3	15.38	45.2	15.66	45.0	16.21	44.8	16.76
	-15.0	**-16.0**	53.4	14.83	53.1	15.38	52.9	15.95	52.8	16.24	52.6	16.51	52.4	17.08	52.1	17.65
	-12.0	**-13.0**	59.3	15.44	59.1	16.02	58.8	16.57	58.6	16.86	58.5	17.15	58.2	17.73	57.9	18.30
	-9.0	**-10.0**	65.6	16.05	65.2	16.63	64.9	17.21	64.6	17.50	64.5	17.80	64.1	18.38	63.8	18.96
	-7.0	**-8.0**	69.8	16.46	69.4	17.04	69.0	17.64	68.8	17.93	68.6	18.22	68.1	18.81	67.8	19.39
	-5.0	**-6.0**	74.1	16.88	73.6	17.46	73.3	18.05	73.0	18.34	72.8	18.65	72.3	19.24	71.8	19.83
	-3.0	**-4.0**	78.5	17.28	78.0	17.87	77.5	18.48	77.3	18.77	77.0	19.06	76.5	19.67	76.0	20.26
	-1.0	**-2.0**	83.0	17.68	82.3	18.29	81.8	18.90	81.6	19.20	81.3	19.49	80.8	20.11	80.2	20.72
	0.0	**-1.0**	85.1	17.89	84.6	18.51	84.1	19.10	83.8	19.41	83.4	19.71	82.9	20.32	82.4	20.94
	2.0	**1.0**	89.6	18.32	89.1	18.91	88.5	19.53	88.1	19.84	87.9	20.14	87.3	20.76	86.6	21.37
	5.0	**4.0**	96.8	18.93	96.1	19.55	95.4	20.17	95.1	20.49	94.8	20.79	94.1	21.41	93.4	22.05
	7.0	**6.0**	101.3	19.34	100.6	19.98	99.8	20.60	99.4	20.92	99.1	21.22	98.3	21.87	97.6	22.49
	9.0	**7.8**	105.3	19.73	104.5	20.35	103.7	20.99	103.3	21.30	102.9	21.62	102.1	22.27	101.3	22.89
	12.0	**10.6**	111.6	20.31	110.7	20.96	109.9	21.61	109.4	21.93	109.0	22.23	108.0	22.88	105.0	22.77
	15.0	**13.5**	118.0	20.92	117.2	21.58	116.2	22.23	115.7	22.56	115.3	22.88	113.7	23.36	105.0	21.43
122.5 (140%)	-19.3	**-20.0**	45.7	14.21	45.5	14.76	45.3	15.31	45.2	15.59	45.1	15.86	44.9	16.43	44.8	16.97
	-15.0	**-16.0**	53.2	15.08	53.0	15.63	52.8	16.20	52.6	16.49	52.6	16.76	52.3	17.33	52.1	17.88
	-12.0	**-13.0**	59.2	15.73	59.0	16.28	58.6	16.86	58.5	17.15	58.3	17.44	58.0	18.01	57.7	18.57
	-9.0	**-10.0**	65.4	16.38	65.1	16.95	64.6	17.51	64.4	17.80	64.3	18.09	63.9	18.68	63.6	19.26
	-7.0	**-8.0**	69.6	16.81	69.1	17.39	68.8	17.97	68.6	18.26	68.4	18.55	68.0	19.14	67.6	19.72
	-5.0	**-6.0**	73.8	17.24	73.4	17.82	72.9	18.41	72.8	18.70	72.5	18.99	72.1	19.60	71.6	20.19
	-3.0	**-4.0**	78.1	17.67	77.6	18.26	77.2	18.85	77.0	19.16	76.7	19.45	76.2	20.04	75.7	20.65
	-1.0	**-2.0**	82.5	18.11	82.0	18.70	81.5	19.31	81.2	19.60	81.0	19.90	80.5	20.51	79.8	21.12
	0.0	**-1.0**	84.8	18.32	84.2	18.91	83.6	19.53	83.4	19.82	83.1	20.14	82.6	20.73	81.9	21.34
	2.0	**1.0**	89.3	18.76	88.6	19.37	88.1	19.97	87.8	20.28	87.4	20.58	86.8	21.19	86.2	21.81
	5.0	**4.0**	96.3	19.41	95.6	20.03	94.9	20.65	94.6	20.97	94.2	21.27	93.6	21.90	92.9	22.52
	7.0	**6.0**	100.6	19.87	99.9	20.49	99.2	21.11	98.8	21.43	98.4	21.73	97.7	22.35	96.9	22.99
	9.0	**7.8**	104.6	20.27	103.8	20.89	103.1	21.51	102.6	21.84	102.2	22.16	101.4	22.78	98.0	22.46
	12.0	**10.6**	110.7	20.89	109.9	21.54	109.0	22.16	108.7	22.49	108.2	22.81	106.2	23.05	98.0	21.14
	15.0	**13.5**	117.2	21.56	116.2	22.19	115.3	22.84	114.8	23.17	114.2	23.48	106.2	21.69	98.0	19.91
113.8 (130%)	-19.3	**-20.0**	45.6	14.44	45.4	15.01	45.2	15.56	45.1	15.82	45.1	16.11	44.8	16.66	44.6	17.22
	-15.0	**-16.0**	53.2	15.37	52.9	15.92	52.6	16.49	52.6	16.76	52.4	17.05	52.1	17.62	51.9	18.17
	-12.0	**-13.0**	59.0	16.05	58.8	16.61	58.5	17.18	58.3	17.47	58.2	17.76	57.9	18.32	57.5	18.89
	-9.0	**-10.0**	65.1	16.74	64.8	17.30	64.4	17.88	64.3	18.17	64.1	18.46	63.8	19.03	63.3	19.61
	-7.0	**-8.0**	69.3	17.18	68.9	17.76	68.5	18.34	68.3	18.64	68.1	18.93	67.8	19.51	67.3	20.11
	-5.0	**-6.0**	73.5	17.65	73.1	18.23	72.6	18.81	72.4	19.11	72.2	19.42	71.8	20.00	71.3	20.59
	-3.0	**-4.0**	77.8	18.11	77.3	18.70	76.8	19.28	76.6	19.60	76.3	19.89	75.8	20.48	75.3	21.08
	-1.0	**-2.0**	82.1	18.58	81.6	19.17	81.1	19.77	80.8	20.07	80.5	20.36	80.0	20.97	79.5	21.56
	0.0	**-1.0**	84.3	18.80	83.8	19.41	83.2	20.00	82.9	20.30	82.6	20.61	82.1	21.20	81.6	21.81
	2.0	**1.0**	88.8	19.27	88.1	19.88	87.6	20.47	87.3	20.79	86.9	21.09	86.3	21.70	85.7	22.31
	5.0	**4.0**	95.7	19.98	94.9	20.60	94.3	21.21	93.9	21.51	93.6	21.81	92.9	22.43	91.0	22.58
	7.0	**6.0**	100.0	20.45	99.3	21.07	98.5	21.69	98.1	22.01	97.7	22.31	96.9	22.93	91.0	21.59
	9.0	**7.8**	103.8	20.88	103.1	21.51	102.3	22.13	101.9	22.45	101.4	22.77	98.5	22.61	91.0	20.76
	12.0	**10.6**	109.9	21.57	109.0	22.19	108.2	22.82	107.7	23.14	106.2	23.05	98.5	21.28	91.0	19.55
	15.0	**13.5**	116.1	22.26	115.2	22.91	113.7	23.36	109.9	22.52	106.2	21.69	98.5	20.03	91.0	18.43
105.0 (120%)	-19.3	**-20.0**	45.5	14.73	45.3	15.28	45.1	15.85	45.1	16.11	44.9	16.39	44.8	16.94	44.6	17.49
	-15.0	**-16.0**	53.0	15.70	52.7	16.25	52.6	16.82	52.4	17.11	52.3	17.38	52.0	17.95	51.8	18.50
	-12.0	**-13.0**	58.8	16.42	58.5	17.00	58.3	17.55	58.2	17.84	58.0	18.13	57.7	18.70	57.4	19.26
	-9.0	**-10.0**	64.9	17.15	64.6	17.72	64.1	18.30	64.0	18.59	63.8	18.88	63.5	19.46	63.1	20.02
	-7.0	**-8.0**	69.0	17.64	68.6	18.22	68.2	18.80	68.0	19.09	67.8	19.39	67.4	19.97	67.0	20.55
	-5.0	**-6.0**	73.1	18.12	72.8	18.70	72.3	19.29	72.1	19.58	71.8	19.89	71.4	20.47	71.0	21.06
	-3.0	**-4.0**	77.3	18.62	76.9	19.20	76.5	19.79	76.2	20.08	76.0	20.40	75.5	20.98	75.0	21.57
	-1.0	**-2.0**	81.7	19.12	81.1	19.71	80.6	20.30	80.3	20.61	80.0	20.90	79.5	21.49	79.0	22.10
	0.0	**-1.0**	83.8	19.35	83.3	19.96	82.7	20.55	82.4	20.86	82.1	21.16	81.6	21.75	81.1	22.36
	2.0	**1.0**	88.1	19.85	87.6	20.46	86.9	21.08	86.6	21.37	86.3	21.67	85.7	22.28	83.5	22.22
	5.0	**4.0**	94.9	20.61	94.3	21.22	93.6	21.84	93.2	22.14	92.9	22.46	91.0	22.58	84.0	20.75
	7.0	**6.0**	99.1	21.12	98.4	21.73	97.7	22.35	97.3	22.67	96.9	22.97	91.0	21.59	84.0	19.85
	9.0	**7.8**	102.9	21.58	102.1	22.20	101.4	22.82	100.9	23.14	98.0	22.46	91.0	20.76	84.0	19.10
	12.0	**10.6**	108.9	22.31	108.0	22.95	105.0	22.77	101.4	21.96	98.0	21.14	91.0	19.55	84.0	17.99
	15.0	**13.5**	115.0	23.08	112.0	22.96	105.0	21.43	101.4	20.67	98.0	19.91	91.0	18.43	84.0	16.95
96.3 (110%)	-19.3	**-20.0**	45.4	15.08	45.2	15.63	45.1	16.18	44.9	16.44	44.8	16.72	44.6	17.27	44.5	17.82
	-15.0	**-16.0**	52.9	16.10	52.6	16.65	52.3	17.22	52.2	17.49	52.1	17.77	51.8	18.32	51.6	18.89
	-12.0	**-13.0**	58.6	16.86	58.3	17.44	58.0	17.99	57.9	18.28	57.7	18.56	57.4	19.12	57.1	19.69
	-9.0	**-10.0**	64.6	17.65	64.3	18.20	63.9	18.78	63.7	19.07	63.5	19.36	63.1	19.94	62.8	20.52
	-7.0	**-8.0**	68.6	18.16	68.3	18.74	67.8	19.32	67.6	19.61	67.4	19.90	67.0	20.48	66.6	21.06
	-5.0	**-6.0**	72.8	18.69	72.3	19.27	71.8	19.86	71.6	20.15	71.4	20.44	71.0	21.02	70.5	21.60
	-3.0	**-4.0**	76.9	19.21	76.5	19.79	76.0	20.40	75.7	20.69	75.5	20.98	75.0	21.56	74.5	22.15
	-1.0	**-2.0**	81.1	19.74	80.5	20.33	80.0	20.94	79.8	21.23	79.5	21.52	79.0	22.11	76.2	21.77
	0.0	**-1.0**	83.2	20.00	82.6	20.61	82.1	21.20	81.8	21.49	81.6	21.81	80.9	22.39	76.3	21.26
	2.0	**1.0**	87.5	20.54	86.9	21.15	86.3	21.74	85.9	22.06	85.6	22.35	82.9	22.06	76.5	20.30
	5.0	**4.0**	94.1	21.37	93.4	21.98	92.7	22.57	92.4	22.89	89.8	22.27	83.4	20.60	77.0	18.95
	7.0	**6.0**	98.2	21.91	97.4	22.53	96.2	22.92	93.0	22.10	89.8	21.30	83.4	19.71	77.0	18.15
	9.0	**7.8**	101.9	22.41	101.1	23.03	96.2	22.03	93.0	21.26	89.8	20.48	83.4	18.96	77.0	17.45
	12.0	**10.6**	107.7	23.20	102.7	22.22	96.2	20.74	93.0	20.02	89.8	19.29	83.4	17.87	77.0	16.46
	15.0	**13.5**	109.0	22.33	102.7	20.93	96.2	19.53	93.0	18.86	89.8	18.18	83.4	16.84	77.0	15.51

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ✳252LALHH

● Capacity : 87.5 kW (28HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
87.5 (100%)	-19.3	-20.0	45.3	15.46	45.1	16.03	44.9	16.58	44.8	16.84	44.7	17.12	44.5	17.67	44.3	18.22
	-15.0	-16.0	52.6	16.57	52.4	17.12	52.1	17.67	52.0	17.96	51.9	18.24	51.6	18.79	51.3	19.34
	-12.0	-13.0	58.3	17.40	58.0	17.95	57.7	18.52	57.6	18.79	57.5	19.08	57.2	19.65	56.9	20.21
	-9.0	-10.0	64.2	18.23	63.9	18.79	63.5	19.36	63.3	19.65	63.1	19.94	62.8	20.50	62.4	21.07
	-7.0	-8.0	68.2	18.78	67.8	19.36	67.4	19.94	67.3	20.23	67.0	20.52	66.6	21.09	66.2	21.65
	-5.0	-6.0	72.3	19.35	71.8	19.93	71.3	20.51	71.1	20.80	70.9	21.09	70.5	21.67	68.9	21.77
	-3.0	-4.0	76.3	19.93	75.8	20.51	75.3	21.09	75.1	21.38	74.8	21.67	74.3	22.26	69.1	20.71
	-1.0	-2.0	80.5	20.50	79.9	21.09	79.3	21.67	79.1	21.96	78.8	22.26	75.0	21.44	69.3	19.74
	0.0	-1.0	82.4	20.79	81.9	21.38	81.4	21.96	81.1	22.25	80.8	22.54	75.2	20.93	69.4	19.27
	2.0	1.0	86.6	21.37	86.1	21.96	85.4	22.54	84.1	22.39	81.1	21.57	75.4	19.97	69.6	18.39
	5.0	4.0	93.1	22.24	92.4	22.85	87.5	21.65	84.5	20.90	81.7	20.14	75.7	18.66	70.0	17.20
	7.0	6.0	97.1	22.85	93.3	22.17	87.5	20.72	84.5	20.00	81.7	19.28	75.7	17.86	70.0	16.46
	9.0	7.8	99.2	22.75	93.3	21.33	87.5	19.93	84.5	19.24	81.7	18.55	75.7	17.18	70.0	15.85
	12.0	10.6	99.1	21.42	93.3	20.09	87.5	18.78	84.5	18.13	81.7	17.48	75.7	16.21	70.0	14.95
	15.0	13.5	99.2	20.17	93.3	18.91	87.5	17.68	84.5	17.06	81.7	16.47	75.7	15.28	70.0	14.09
78.8 (90%)	-19.3	-20.0	45.1	15.96	44.9	16.51	44.8	17.05	44.6	17.32	44.5	17.60	44.3	18.15	44.2	18.69
	-15.0	-16.0	52.4	17.13	52.1	17.70	51.9	18.25	51.8	18.51	51.6	18.80	51.3	19.35	51.1	19.91
	-12.0	-13.0	58.0	18.03	57.7	18.58	57.4	19.15	57.2	19.44	57.1	19.70	56.8	20.27	56.5	20.83
	-9.0	-10.0	63.8	18.93	63.4	19.50	63.1	20.06	62.9	20.35	62.8	20.63	62.3	21.19	61.8	21.65
	-7.0	-8.0	67.6	19.54	67.3	20.12	66.9	20.67	66.7	20.96	66.5	21.25	66.1	21.83	61.9	20.54
	-5.0	-6.0	71.6	20.15	71.2	20.73	70.8	21.31	70.5	21.58	70.3	21.87	67.3	21.20	62.1	19.54
	-3.0	-4.0	75.6	20.77	75.1	21.35	74.6	21.93	74.3	22.22	72.6	21.78	67.4	20.17	62.2	18.58
	-1.0	-2.0	79.6	21.39	79.1	21.97	78.0	22.30	75.4	21.51	72.8	20.75	67.5	19.23	62.4	17.72
	0.0	-1.0	81.6	21.71	81.1	22.29	78.0	21.77	75.4	21.01	72.9	20.26	67.7	18.78	62.4	17.30
	2.0	1.0	85.6	22.35	83.4	22.22	78.2	20.77	75.6	20.05	73.1	19.33	67.8	17.92	62.6	16.54
	5.0	4.0	89.2	22.12	84.0	20.75	78.7	19.41	76.1	18.73	73.5	18.07	68.2	16.77	63.0	15.47
	7.0	6.0	89.2	21.15	83.9	19.85	78.7	18.56	76.1	17.93	73.5	17.29	68.2	16.05	63.0	14.80
	9.0	7.8	89.2	20.34	84.0	19.10	78.7	17.87	76.1	17.25	73.5	16.64	68.2	15.45	63.0	14.26
	12.0	10.6	89.2	19.16	83.9	17.99	78.7	16.83	76.1	16.26	73.5	15.70	68.2	14.56	63.0	13.46
	15.0	13.5	89.2	18.04	84.0	16.95	78.7	15.87	76.1	15.33	73.5	14.81	68.2	13.73	63.0	12.71
70.0 (80%)	-19.3	-20.0	44.9	16.56	44.8	17.10	44.5	17.65	44.5	17.93	44.3	18.19	44.1	18.74	44.0	19.28
	-15.0	-16.0	52.1	17.85	51.8	18.39	51.6	18.94	51.5	19.23	51.3	19.49	51.0	20.04	50.8	20.61
	-12.0	-13.0	57.6	18.82	57.3	19.37	57.0	19.92	56.9	20.21	56.7	20.49	56.4	21.04	54.7	20.86
	-9.0	-10.0	63.3	19.80	62.9	20.35	62.5	20.93	62.3	21.21	62.1	21.48	59.5	20.84	54.9	19.22
	-7.0	-8.0	67.1	20.46	66.6	21.03	66.3	21.59	66.0	21.87	64.2	21.33	59.6	19.78	55.1	18.24
	-5.0	-6.0	70.8	21.14	70.5	21.71	68.9	21.77	66.6	21.02	64.4	20.27	59.8	18.79	55.2	17.34
	-3.0	-4.0	74.8	21.82	73.8	22.14	69.1	20.71	66.8	19.99	64.5	19.30	60.0	17.89	55.3	16.52
	-1.0	-2.0	78.5	22.46	74.0	21.08	69.3	19.74	67.0	19.06	64.7	18.38	60.0	17.05	55.4	15.74
	0.0	-1.0	78.7	21.94	74.0	20.59	69.4	19.27	67.1	18.60	64.7	17.95	60.1	16.65	55.5	15.39
	2.0	1.0	79.0	20.92	74.2	19.65	69.6	18.39	67.2	17.77	64.9	17.16	60.3	15.93	55.7	14.70
	5.0	4.0	79.3	19.55	74.7	18.36	70.0	17.20	67.7	16.62	65.3	16.05	60.7	14.89	56.0	13.77
	7.0	6.0	79.3	18.70	74.7	17.58	70.0	16.46	67.7	15.91	65.3	15.37	60.7	14.26	56.0	13.20
	9.0	7.8	79.3	17.99	74.7	16.90	70.0	15.85	67.7	15.31	65.3	14.79	60.7	13.74	56.0	12.70
	12.0	10.6	79.3	16.97	74.7	15.96	69.9	14.95	67.7	14.45	65.3	13.94	60.7	12.97	56.0	11.99
	15.0	13.5	79.3	15.98	74.7	15.03	69.9	14.09	67.7	13.62	65.3	13.15	60.7	12.24	56.0	11.34
61.3 (70%)	-19.3	-20.0	44.6	17.32	44.5	17.87	44.3	18.41	44.2	18.67	44.0	18.95	43.9	19.50	43.7	20.04
	-15.0	-16.0	51.6	18.73	51.4	19.28	51.1	19.82	51.0	20.11	50.9	20.37	50.7	20.92	47.7	19.87
	-12.0	-13.0	57.0	19.81	56.7	20.36	56.4	20.91	56.3	21.19	55.8	21.29	51.9	19.75	47.9	18.23
	-9.0	-10.0	62.5	20.90	62.1	21.45	60.1	21.06	58.1	20.34	56.1	19.62	52.1	18.22	48.1	16.82
	-7.0	-8.0	66.3	21.62	64.2	21.33	60.2	19.96	58.2	19.28	56.2	18.63	52.1	17.29	48.1	15.97
	-5.0	-6.0	68.4	21.59	64.4	20.27	60.3	18.97	58.4	18.35	56.3	17.70	52.3	16.44	48.3	15.19
	-3.0	-4.0	68.6	20.53	64.5	19.30	60.5	18.07	58.4	17.46	56.5	16.85	52.4	15.66	48.4	14.47
	-1.0	-2.0	68.7	19.56	64.7	18.38	60.7	17.22	58.6	16.64	56.6	16.07	52.6	14.94	48.5	13.80
	0.0	-1.0	68.8	19.10	64.7	17.95	60.7	16.83	58.7	16.26	56.7	15.71	52.6	14.59	48.6	13.50
	2.0	1.0	68.9	18.24	64.9	17.16	60.8	16.07	58.8	15.54	56.8	15.00	52.8	13.95	48.7	12.90
	5.0	4.0	69.4	17.06	65.3	16.05	61.2	15.04	59.1	14.54	57.2	14.04	53.0	13.06	49.0	12.08
	7.0	6.0	69.4	16.32	65.3	15.37	61.2	14.40	59.1	13.93	57.2	13.46	53.0	12.52	49.0	11.61
	9.0	7.8	69.4	15.71	65.3	14.79	61.2	13.86	59.1	13.42	57.2	12.96	53.0	12.06	49.0	11.18
	12.0	10.6	69.4	14.81	65.3	13.94	61.2	13.10	59.1	12.67	57.2	12.24	53.0	11.40	49.0	10.57
	15.0	13.5	69.4	13.98	65.3	13.15	61.2	12.35	59.1	11.96	57.2	11.56	53.0	10.76	49.0	9.99
52.5 (60%)	-19.3	-20.0	44.3	18.34	44.1	18.88	43.9	19.41	43.8	19.69	43.7	19.95	43.5	20.49	40.7	19.28
	-15.0	-16.0	51.1	19.90	50.8	20.45	50.6	20.99	49.4	20.58	47.7	19.87	44.3	18.46	40.9	17.04
	-12.0	-13.0	56.4	21.10	54.7	20.86	51.3	19.53	49.6	18.88	47.9	18.23	44.4	16.94	41.1	15.65
	-9.0	-10.0	58.4	20.44	54.9	19.22	51.4	18.01	49.8	17.40	48.1	16.82	44.6	15.63	41.2	14.45
	-7.0	-8.0	58.5	19.39	55.1	18.24	51.6	17.09	49.8	16.54	48.1	15.97	44.7	14.85	41.3	13.73
	-5.0	-6.0	58.6	18.43	55.2	17.34	51.7	16.26	50.0	15.72	48.3	15.19	44.8	14.13	41.4	13.09
	-3.0	-4.0	58.8	17.54	55.3	16.52	51.9	15.48	50.1	14.98	48.4	14.47	44.9	13.46	41.4	12.46
	-1.0	-2.0	58.9	16.72	55.4	15.74	51.9	14.77	50.2	14.30	48.5	13.80	45.1	12.86	41.6	11.91
	0.0	-1.0	58.9	16.35	55.5	15.39	52.1	14.44	50.3	13.97	48.6	13.50	45.1	12.57	41.6	11.64
	2.0	1.0	59.1	15.61	55.7	14.70	52.2	13.80	50.4	13.34	48.7	12.90	45.3	12.03	41.7	11.14
	5.0	4.0	59.5	14.61	56.0	13.77	52.5	12.92	50.7	12.51	49.0	12.08	45.5	11.28	42.0	10.45
	7.0	6.0	59.5	14.00	56.0	13.20	52.5	12.38	50.7	11.98	49.0	11.61	45.5	10.81	42.0	10.03
	9.0	7.8	59.5	13.47	56.0	12.70	52.5	11.94	50.7	11.55	49.0	11.18	45.5	10.42	42.0	9.67
	12.0	10.6	59.5	12.72	56.0	11.99	52.5	11.29	50.7	10.93	49.0	10.57	45.5	9.85	42.0	9.16
	15.0	13.5	59.5	12.02	55.9	11.34	52.5	10.65	50.7	10.32	49.0	9.99	45.5	9.32	42.0	8.66
43.8 (50%)	-19.3	-20.0	43.8	19.73	43.5	20.25	42.3	20.07	40.9	19.40	39.5	18.74	36.7	17.42	33.9	16.10
	-15.0	-16.0	48.3	20.11	45.4	18.93	42.6	17.75	41.2	17.17	39.7	16.59	36.9	15.42	34.1	14.27
	-12.0	-13.0	48.4	18.45	45.6	17.37	42.8	16.30	41.3	15.76	39.9	15.23	37.0	14.18	34.2	13.13
	-9.0	-10.0	48.6	17.00	45.8	16.02	42.9	15.03	41.4	14.55	40.0	14.06	37.2	13.11	34.3	12.14
	-7.0	-8.0	48.8	16.15	45.8	15.21	43.0	14.28	41.6	13.84	40.2	13.37	37.2	12.45	34.4	11.54
	-5.0	-6.0	48.8	15.37	46.0	14.47	43.1	13.60	41.6	13.17	40.2	12.73	37.4	11.87	34.4	11.00
	-3.0	-4.0	49.0	14.65	46.1	13.79	43.2	12.96	41.8	12.56	40.3	12.13	37.4	11.33	34.6	10.51
	-1.0	-2.0	49.1	13.97	46.2	13.18	43.3	12.38	41.8	11.99	40.4	11.59	37.6	10.81	34.6	10.04
	0.0	-1.0	49.1	13.65	46.3	12.87	43.3	12.10	41.9	11.71	40.4	11.34	37.6	10.58	34.6	9.83
	2.0	1.0	49.3	13.05	46.4	12.32	43.5	11.57	42.0	11.21	40.6	10.85	37.6	10.12	34.9	9.40
	5.0	4.0	49.5	12.23	46.7	11.54	43.7	10.85	42.3	10.52	40.8	10.19	37.9	9.51	35.0	8.83
	7.0	6.0	49.5	11.72	46.7	11.07	43.7	10.42	42.3	10.09	40.8	9.77	37.9	9.12	35.0	8.50
	9.0	7.8	49.5	11.30	46.7	10.67	43.7	10.06	42.3	9.74	40.8	9.42	37.9	8.80	35.0	8.21
	12.0	10.6	49.5	10.68	46.7	10.10	43.7	9.52	42.3	9.23	40.8	8.94	37.9	8.36	35.0	7.78
	15.0	13.5	49.5	10.10	46.7	9.56	43.7	8.99	42.3	8.73	40.8	8.45	37.9	7.90	35.0	7.38

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ∗270LALHH

● Capacity : 95.0 kW (30HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
142.5 (150%)	-19.3	-20.0	49.7	15.47	49.5	16.08	49.4	16.68	49.2	17.00	49.2	17.31	48.9	17.92	48.8	18.53
	-15.0	-16.0	58.0	16.38	57.7	16.99	57.5	17.63	57.3	17.94	57.2	18.24	57.0	18.87	56.7	19.51
	-12.0	-13.0	64.4	17.06	64.2	17.70	63.9	18.31	63.7	18.63	63.6	18.95	63.2	19.59	62.9	20.23
	-9.0	-10.0	71.2	17.73	70.8	18.38	70.5	19.02	70.2	19.34	70.0	19.66	69.7	20.30	69.3	20.95
	-7.0	-8.0	75.7	18.18	75.4	18.82	74.9	19.49	74.7	19.81	74.5	20.14	74.0	20.78	73.7	21.43
	-5.0	-6.0	80.4	18.64	79.9	19.29	79.5	19.94	79.2	20.26	79.0	20.61	78.5	21.26	78.0	21.91
	-3.0	-4.0	85.2	19.09	84.6	19.74	84.1	20.41	83.9	20.74	83.6	21.06	83.1	21.74	82.6	22.39
	-1.0	-2.0	90.0	19.53	89.4	20.21	88.8	20.88	88.6	21.21	88.3	21.54	87.7	22.21	87.1	22.89
	0.0	-1.0	92.4	19.76	91.8	20.44	91.3	21.10	90.9	21.45	90.6	21.77	90.0	22.45	89.5	23.13
	2.0	1.0	97.3	20.23	96.7	20.89	96.0	21.57	95.7	21.92	95.4	22.25	94.8	22.93	94.1	23.61
	5.0	4.0	105.0	20.91	104.3	21.59	103.6	22.28	103.2	22.63	102.8	22.97	102.1	23.65	101.4	24.36
	7.0	6.0	109.9	21.36	109.1	22.06	108.3	22.75	107.9	23.11	107.5	23.44	106.7	24.15	105.9	24.84
	9.0	7.8	114.2	21.78	113.3	22.47	112.6	23.19	112.1	23.52	111.7	23.88	110.8	24.59	109.9	25.29
	12.0	10.6	121.0	22.42	120.1	23.14	119.2	23.86	118.7	24.22	118.3	24.56	117.2	25.28	114.0	25.16
	15.0	13.5	128.0	23.10	127.1	23.82	126.0	24.55	125.5	24.91	125.1	25.27	123.5	25.82	114.0	23.70
133.0 (140%)	-19.3	-20.0	49.7	15.71	49.5	16.31	49.2	16.92	49.2	17.23	49.1	17.53	48.9	18.16	48.7	18.76
	-15.0	-16.0	57.8	16.66	57.7	17.27	57.4	17.91	57.2	18.22	57.2	18.52	56.9	19.15	56.7	19.77
	-12.0	-13.0	64.3	17.38	64.1	17.99	63.7	18.63	63.6	18.95	63.4	19.27	63.1	19.91	62.8	20.52
	-9.0	-10.0	71.0	18.09	70.7	18.73	70.2	19.35	70.0	19.67	69.8	20.00	69.5	20.64	69.1	21.28
	-7.0	-8.0	75.5	18.57	75.1	19.21	74.7	19.86	74.5	20.18	74.3	20.50	73.8	21.15	73.5	21.79
	-5.0	-6.0	80.1	19.04	79.7	19.69	79.2	20.34	79.0	20.66	78.7	20.99	78.3	21.66	77.8	22.30
	-3.0	-4.0	84.8	19.52	84.3	20.17	83.8	20.82	83.6	21.17	83.3	21.49	82.7	22.15	82.2	22.82
	-1.0	-2.0	89.6	20.00	89.0	20.65	88.5	21.33	88.2	21.65	87.9	21.98	87.4	22.66	86.7	23.33
	0.0	-1.0	92.0	20.24	91.4	20.89	90.8	21.57	90.6	21.90	90.2	22.25	89.7	22.90	89.0	23.58
	2.0	1.0	96.9	20.72	96.2	21.40	95.6	22.06	95.3	22.41	94.9	22.74	94.2	23.42	93.7	24.10
	5.0	4.0	104.5	21.44	103.7	22.12	103.0	22.81	102.7	23.16	102.3	23.49	101.6	24.20	100.8	24.88
	7.0	6.0	109.2	21.94	108.4	22.63	107.7	23.32	107.2	23.67	106.8	24.01	106.1	24.69	105.2	25.40
	9.0	7.8	113.5	22.38	112.6	23.07	111.9	23.76	111.4	24.12	111.0	24.47	110.1	25.17	106.3	24.82
	12.0	10.6	120.1	23.07	119.2	23.78	118.3	24.48	117.9	24.84	117.4	25.19	115.3	25.47	106.3	23.37
	15.0	13.5	127.1	23.81	126.0	24.51	125.1	25.23	124.6	25.59	123.9	25.93	115.3	23.98	106.3	22.02
123.5 (130%)	-19.3	-20.0	49.6	15.96	49.4	16.59	49.2	17.20	49.1	17.49	49.1	17.80	48.8	18.41	48.6	19.04
	-15.0	-16.0	57.8	16.98	57.5	17.60	57.2	18.23	57.2	18.52	57.0	18.84	56.7	19.47	56.5	20.08
	-12.0	-13.0	64.1	17.74	63.9	18.35	63.6	18.99	63.4	19.31	63.2	19.63	62.9	20.24	62.6	20.88
	-9.0	-10.0	70.7	18.49	70.4	19.11	70.0	19.75	69.8	20.07	69.6	20.39	69.3	21.04	68.8	21.68
	-7.0	-8.0	75.2	18.98	74.9	19.63	74.4	20.27	74.2	20.59	74.0	20.91	73.6	21.56	73.1	22.22
	-5.0	-6.0	79.8	19.49	79.4	20.14	78.9	20.79	78.7	21.11	78.4	21.45	78.0	22.10	77.5	22.75
	-3.0	-4.0	84.5	20.01	83.9	20.66	83.4	21.31	83.2	21.65	82.9	21.98	82.4	22.63	81.9	23.30
	-1.0	-2.0	89.2	20.52	88.6	21.17	88.1	21.85	87.8	22.17	87.4	22.50	86.9	23.17	86.3	23.83
	0.0	-1.0	91.5	20.77	90.9	21.44	90.4	22.10	90.1	22.42	89.7	22.77	89.2	23.43	88.6	24.10
	2.0	1.0	96.3	21.28	95.7	21.96	95.1	22.62	94.7	22.97	94.4	23.30	93.7	23.97	93.1	24.65
	5.0	4.0	103.9	22.07	103.0	22.75	102.3	23.43	102.0	23.76	101.6	24.10	100.9	24.78	98.8	24.94
	7.0	6.0	108.5	22.59	107.7	23.27	106.9	23.96	106.5	24.31	106.1	24.65	105.3	25.33	98.8	23.85
	9.0	7.8	112.6	23.06	111.9	23.75	111.0	24.44	110.6	24.80	110.1	25.15	107.0	24.98	98.8	22.94
	12.0	10.6	119.2	23.81	118.3	24.51	117.4	25.20	116.9	25.56	115.3	25.47	107.0	23.52	98.8	21.61
	15.0	13.5	126.0	24.58	124.9	25.30	123.5	25.82	119.3	24.90	115.3	23.98	107.0	22.15	98.8	20.37
114.0 (120%)	-19.3	-20.0	49.5	16.28	49.3	16.89	49.1	17.52	49.0	17.81	48.9	18.12	48.7	18.73	48.6	19.33
	-15.0	-16.0	57.6	17.35	57.3	17.96	57.1	18.59	57.0	18.91	56.8	19.21	56.5	19.84	56.3	20.45
	-12.0	-13.0	63.9	18.15	63.6	18.78	63.4	19.40	63.2	19.72	63.1	20.03	62.7	20.67	62.4	21.29
	-9.0	-10.0	70.5	18.94	70.1	19.58	69.7	20.22	69.5	20.54	69.3	20.87	69.0	21.51	68.6	22.13
	-7.0	-8.0	74.9	19.49	74.5	20.13	74.1	20.78	73.9	21.10	73.7	21.42	73.3	22.06	72.8	22.71
	-5.0	-6.0	79.4	20.02	79.0	20.67	78.5	21.31	78.3	21.63	78.0	21.98	77.6	22.62	77.1	23.27
	-3.0	-4.0	84.0	20.57	83.6	21.22	83.0	21.87	82.7	22.19	82.5	22.54	82.0	23.19	81.5	23.83
	-1.0	-2.0	88.7	21.12	88.1	21.77	87.6	22.42	87.2	22.77	86.9	23.10	86.4	23.75	85.8	24.42
	0.0	-1.0	91.0	21.38	90.4	22.05	89.8	22.70	89.5	23.05	89.2	23.38	88.6	24.03	88.1	24.70
	2.0	1.0	95.7	21.93	95.1	22.61	94.4	23.28	94.1	23.61	93.7	23.94	93.1	24.62	90.6	24.53
	5.0	4.0	103.0	22.77	102.3	23.45	101.6	24.13	101.2	24.46	100.9	24.81	98.8	24.94	91.2	22.92
	7.0	6.0	107.6	23.32	106.8	24.01	106.1	24.69	105.6	25.04	105.2	25.38	98.8	23.85	91.2	21.93
	9.0	7.8	111.7	23.84	110.8	24.52	110.1	25.21	109.6	25.56	106.4	24.82	98.8	22.94	91.2	21.10
	12.0	10.6	118.1	24.63	117.2	25.35	114.0	25.16	110.2	24.28	106.4	23.37	98.8	21.61	91.2	19.89
	15.0	13.5	124.7	25.49	121.6	25.39	114.0	23.70	110.2	22.85	106.4	22.02	98.8	20.37	91.2	18.74
104.5 (110%)	-19.3	-20.0	49.4	16.67	49.2	17.28	49.0	17.88	48.9	18.17	48.8	18.49	48.6	19.09	48.4	19.70
	-15.0	-16.0	57.5	17.79	57.2	18.40	56.9	19.03	56.8	19.33	56.7	19.64	56.4	20.25	56.2	20.89
	-12.0	-13.0	63.7	18.63	63.4	19.27	63.1	19.88	62.9	20.20	62.8	20.52	62.4	21.13	62.1	21.77
	-9.0	-10.0	70.2	19.50	69.8	20.12	69.5	20.76	69.3	21.08	69.0	21.40	68.6	22.04	68.3	22.68
	-7.0	-8.0	74.5	20.06	74.2	20.71	73.7	21.35	73.5	21.67	73.3	21.99	72.8	22.63	72.5	23.27
	-5.0	-6.0	79.0	20.65	78.5	21.30	78.0	21.94	77.8	22.26	77.6	22.59	77.1	23.23	76.6	23.88
	-3.0	-4.0	83.6	21.22	83.0	21.87	82.5	22.54	82.2	22.86	82.0	23.18	81.5	23.83	80.9	24.48
	-1.0	-2.0	88.1	21.81	87.5	22.46	86.9	23.13	86.7	23.46	86.4	23.78	85.8	24.43	82.8	24.02
	0.0	-1.0	90.4	22.10	89.7	22.77	89.2	23.42	88.8	23.75	88.6	24.09	87.9	24.75	82.8	23.47
	2.0	1.0	94.9	22.69	94.4	23.37	93.7	24.02	93.3	24.37	93.0	24.70	90.0	24.36	83.0	22.41
	5.0	4.0	102.1	23.60	101.4	24.28	100.7	24.94	100.3	25.29	97.5	24.59	90.6	22.75	83.6	20.93
	7.0	6.0	106.6	24.20	105.8	24.88	104.5	25.32	101.0	24.41	97.5	23.53	90.6	21.77	83.6	20.05
	9.0	7.8	110.6	24.76	109.8	25.44	104.5	24.34	101.0	23.49	97.5	22.63	90.6	20.95	83.6	19.28
	12.0	10.6	116.8	25.62	111.5	24.56	104.5	22.93	101.0	22.13	97.5	21.33	90.6	19.76	83.6	18.20
	15.0	13.5	118.3	24.69	111.5	23.13	104.5	21.59	101.0	20.85	97.5	20.10	90.6	18.62	83.6	17.15

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ*270LALHH

● Capacity : 95.0 kW (30HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
95.0 (100%)	-19.3	-20.0	49.2	17.09	49.1	17.72	48.9	18.32	48.8	18.62	48.6	18.93	48.4	19.54	48.3	20.14
	-15.0	-16.0	57.2	18.31	57.0	18.92	56.7	19.53	56.5	19.85	56.5	20.16	56.2	20.77	55.9	21.39
	-12.0	-13.0	63.4	19.23	63.1	19.84	62.8	20.48	62.6	20.77	62.5	21.09	62.2	21.72	61.9	22.34
	-9.0	-10.0	69.8	20.15	69.5	20.76	69.0	21.40	68.8	21.72	68.6	22.04	68.3	22.66	67.9	23.29
	-7.0	-8.0	74.1	20.75	73.7	21.39	73.3	22.03	73.1	22.35	72.8	22.67	72.4	23.31	72.0	23.94
	-5.0	-6.0	78.5	21.38	78.0	22.03	77.5	22.67	77.3	22.99	77.1	23.31	76.6	23.96	74.9	24.01
	-3.0	-4.0	82.9	22.02	82.4	22.66	81.9	23.31	81.6	23.63	81.3	23.95	80.8	24.60	75.0	22.84
	-1.0	-2.0	87.4	22.65	86.7	23.30	86.2	23.95	86.0	24.27	85.7	24.59	81.5	23.65	75.2	21.78
	0.0	-1.0	89.5	22.97	89.0	23.62	88.4	24.27	88.1	24.59	87.7	24.89	81.6	23.10	75.4	21.27
	2.0	1.0	94.1	23.61	93.5	24.26	92.8	24.91	91.3	24.72	88.1	23.81	81.8	22.05	75.5	20.31
	5.0	4.0	101.1	24.57	100.4	25.25	95.0	23.92	91.8	23.08	88.7	22.25	82.3	20.61	76.0	19.00
	7.0	6.0	105.4	25.24	101.3	24.49	95.0	22.89	91.8	22.09	88.7	21.30	82.3	19.74	76.0	18.18
	9.0	7.8	107.7	25.13	101.3	23.57	95.0	22.02	91.8	21.26	88.7	20.50	82.3	18.99	76.0	17.51
	12.0	10.6	107.7	23.68	101.3	22.20	95.0	20.76	91.8	20.04	88.7	19.32	82.3	17.92	76.0	16.52
	15.0	13.5	107.7	22.30	101.3	20.91	95.0	19.55	91.8	18.87	88.7	18.22	82.3	16.89	76.0	15.58
85.5 (90%)	-19.3	-20.0	49.1	17.65	48.9	18.25	48.7	18.86	48.6	19.15	48.5	19.46	48.3	20.07	48.1	20.67
	-15.0	-16.0	57.0	18.93	56.7	19.56	56.5	20.17	56.3	20.47	56.2	20.78	55.9	21.39	55.7	22.02
	-12.0	-13.0	63.1	19.92	62.7	20.54	62.4	21.17	62.3	21.49	62.1	21.78	61.9	22.41	61.5	23.03
	-9.0	-10.0	69.3	20.92	69.0	21.56	68.6	22.17	68.4	22.49	68.3	22.81	67.8	23.43	67.1	23.86
	-7.0	-8.0	73.5	21.59	73.1	22.23	72.8	22.85	72.5	23.17	72.3	23.49	71.9	24.13	67.2	22.65
	-5.0	-6.0	77.8	22.27	77.3	22.91	76.9	23.55	76.6	23.85	76.4	24.17	73.1	23.38	67.4	21.55
	-3.0	-4.0	82.2	22.95	81.6	23.59	81.1	24.24	80.8	24.56	78.8	24.03	73.1	22.25	67.6	20.51
	-1.0	-2.0	86.5	23.63	86.0	24.28	84.7	24.60	81.8	23.74	79.0	22.90	73.3	21.22	67.8	19.56
	0.0	-1.0	88.6	23.99	88.1	24.63	84.7	24.02	81.9	23.19	79.1	22.36	73.5	20.72	67.8	19.10
	2.0	1.0	93.0	24.69	90.6	24.53	84.9	22.93	82.1	22.14	79.3	21.34	73.6	19.79	68.0	18.26
	5.0	4.0	96.9	24.43	91.2	22.92	85.5	21.44	82.6	20.69	79.8	19.96	74.1	18.52	68.4	17.09
	7.0	6.0	96.9	23.37	91.2	21.93	85.5	20.50	82.6	19.81	79.8	19.11	74.1	17.74	68.4	16.36
	9.0	7.8	96.9	22.47	91.2	21.10	85.5	19.74	82.6	19.07	79.8	18.39	74.1	17.07	68.4	15.76
	12.0	10.6	96.9	21.17	91.2	19.89	85.5	18.61	82.6	17.97	79.8	17.36	74.1	16.10	68.4	14.88
	15.0	13.5	96.9	19.95	91.2	18.74	85.5	17.54	82.6	16.95	79.8	16.37	74.1	15.19	68.4	14.05
76.0 (80%)	-19.3	-20.0	48.9	18.31	48.7	18.91	48.4	19.51	48.4	19.83	48.3	20.12	48.1	20.72	47.9	21.32
	-15.0	-16.0	56.7	19.73	56.4	20.34	56.2	20.95	56.0	21.26	55.9	21.55	55.6	22.16	55.3	22.79
	-12.0	-13.0	62.6	20.81	62.4	21.42	62.0	22.03	61.9	22.34	61.7	22.66	61.4	23.27	59.4	22.97
	-9.0	-10.0	68.8	21.89	68.4	22.50	68.0	23.14	67.8	23.45	67.6	23.75	64.6	22.97	59.6	21.18
	-7.0	-8.0	72.9	22.61	72.5	23.25	72.1	23.87	71.8	24.18	69.7	23.52	64.7	21.81	59.8	20.11
	-5.0	-6.0	77.0	23.36	76.6	24.00	74.9	24.01	72.4	23.18	69.9	22.35	64.9	20.73	60.0	19.13
	-3.0	-4.0	81.3	24.12	80.1	24.43	75.0	22.84	72.5	22.05	70.1	21.29	65.1	19.74	60.0	18.23
	-1.0	-2.0	85.3	24.78	80.3	23.27	75.2	21.78	72.7	21.03	70.2	20.28	65.2	18.82	60.2	17.38
	0.0	-1.0	85.4	24.22	80.3	22.72	75.4	21.27	72.9	20.53	70.3	19.82	65.3	18.39	60.2	16.99
	2.0	1.0	85.6	23.10	80.5	21.70	75.5	20.31	72.9	19.62	70.5	18.94	65.5	17.59	60.4	16.24
	5.0	4.0	86.1	21.60	81.1	20.29	76.0	19.00	73.5	18.36	70.9	17.72	65.9	16.45	60.8	15.21
	7.0	6.0	86.1	20.66	81.1	19.42	76.0	18.18	73.5	17.58	70.9	16.98	65.9	15.76	60.8	14.58
	9.0	7.8	86.1	19.88	81.1	18.68	76.0	17.51	73.5	16.92	70.9	16.35	65.9	15.19	60.8	14.04
	12.0	10.6	86.1	18.76	81.1	17.64	76.0	16.52	73.5	15.97	70.9	15.42	65.9	14.33	60.8	13.26
	15.0	13.5	86.1	17.67	81.1	16.62	76.0	15.58	73.5	15.06	70.9	14.55	65.9	13.54	60.8	12.54
66.5 (70%)	-19.3	-20.0	48.6	19.16	48.4	19.76	48.2	20.36	48.1	20.66	48.0	20.97	47.8	21.57	47.6	22.17
	-15.0	-16.0	56.2	20.71	56.0	21.32	55.7	21.93	55.5	22.24	55.5	22.53	55.2	23.14	51.8	21.86
	-12.0	-13.0	62.1	21.91	61.7	22.51	61.4	23.12	61.2	23.44	60.6	23.45	56.4	21.75	52.0	20.08
	-9.0	-10.0	68.0	23.11	67.6	23.72	65.3	23.20	63.0	22.41	60.9	21.63	56.5	20.08	52.2	18.53
	-7.0	-8.0	72.1	23.91	69.7	23.52	65.3	22.01	63.2	21.26	61.0	20.54	56.6	19.07	52.2	17.61
	-5.0	-6.0	74.3	23.80	69.9	22.35	65.5	20.93	63.4	20.24	61.1	19.53	56.8	18.14	52.4	16.75
	-3.0	-4.0	74.4	22.65	70.1	21.29	65.7	19.94	63.4	19.27	61.3	18.60	56.9	17.28	52.6	15.97
	-1.0	-2.0	74.6	21.59	70.2	20.28	65.9	19.01	63.6	18.37	61.5	17.74	57.1	16.49	52.6	15.24
	0.0	-1.0	74.7	21.08	70.3	19.82	65.9	18.57	63.8	17.95	61.5	17.34	57.1	16.11	52.7	14.91
	2.0	1.0	74.8	20.14	70.5	18.94	66.1	17.75	63.8	17.16	61.7	16.56	57.3	15.40	52.8	14.25
	5.0	4.0	75.4	18.84	70.9	17.72	66.5	16.61	64.2	16.06	62.1	15.51	57.6	14.43	53.2	13.35
	7.0	6.0	75.4	18.03	70.9	16.98	66.5	15.91	64.2	15.39	62.1	14.87	57.6	13.83	53.2	12.82
	9.0	7.8	75.4	17.36	70.9	16.35	66.5	15.32	64.2	14.83	62.1	14.32	57.6	13.33	53.2	12.36
	12.0	10.6	75.4	16.38	70.9	15.42	66.5	14.48	64.2	14.01	62.1	13.53	57.6	12.61	53.2	11.69
	15.0	13.5	75.4	15.46	70.9	14.55	66.5	13.66	64.2	13.22	62.1	12.78	57.6	11.90	53.2	11.05
57.0 (60%)	-19.3	-20.0	48.3	20.29	48.1	20.89	47.8	21.47	47.8	21.78	47.6	22.07	47.3	22.59	44.2	21.19
	-15.0	-16.0	55.7	22.02	55.4	22.62	55.1	23.16	53.7	22.65	51.8	21.86	48.1	20.32	44.4	18.75
	-12.0	-13.0	61.4	23.34	59.4	22.97	55.7	21.51	53.9	20.80	52.0	20.08	48.2	18.66	44.6	17.25
	-9.0	-10.0	63.4	22.53	59.6	21.19	55.9	19.85	54.1	19.18	52.2	18.53	48.4	17.23	44.8	15.93
	-7.0	-8.0	63.6	21.38	59.8	20.11	56.0	18.84	54.1	18.23	52.2	17.61	48.6	16.37	44.8	15.15
	-5.0	-6.0	63.6	20.33	60.0	19.13	56.2	17.94	54.3	17.34	52.4	16.75	48.6	15.59	45.0	14.44
	-3.0	-4.0	63.8	19.35	60.0	18.23	56.3	17.09	54.4	16.53	52.6	15.97	48.8	14.86	45.0	13.75
	-1.0	-2.0	64.0	18.46	60.2	17.38	56.4	16.30	54.5	15.78	52.6	15.24	48.9	14.19	45.2	13.15
	0.0	-1.0	64.0	18.05	60.2	16.98	56.5	15.94	54.6	15.43	52.7	14.91	49.0	13.88	45.2	12.85
	2.0	1.0	64.2	17.24	60.4	16.24	56.6	15.24	54.7	14.73	52.8	14.25	49.1	13.28	45.3	12.30
	5.0	4.0	64.6	16.14	60.8	15.21	57.0	14.27	55.1	13.82	53.2	13.35	49.4	12.46	45.6	11.55
	7.0	6.0	64.6	15.47	60.8	14.58	57.0	13.68	55.1	13.24	53.2	12.82	49.4	11.95	45.6	11.08
	9.0	7.8	64.6	14.89	60.8	14.04	57.0	13.20	55.1	12.77	53.2	12.36	49.4	11.52	45.6	10.69
	12.0	10.6	64.6	14.06	60.8	13.26	57.0	12.48	55.1	12.08	53.2	11.69	49.4	10.90	45.6	10.13
	15.0	13.5	64.6	13.29	60.8	12.54	57.0	11.78	55.1	11.42	53.2	11.05	49.4	10.30	45.6	9.58
47.5 (50%)	-19.3	-20.0	47.8	21.84	47.5	22.42	46.0	22.06	44.4	21.32	42.9	20.61	39.9	19.15	36.8	17.71
	-15.0	-16.0	52.4	22.13	49.3	20.83	46.3	19.53	44.7	18.90	43.1	18.26	40.1	16.98	37.0	15.71
	-12.0	-13.0	52.6	20.32	49.5	19.14	46.5	17.95	44.8	17.36	43.3	16.77	40.2	15.62	37.2	14.47
	-9.0	-10.0	52.8	18.74	49.7	17.66	46.5	16.57	45.0	16.04	43.5	15.50	40.4	14.45	37.2	13.39
	-7.0	-8.0	52.9	17.81	49.8	16.78	46.7	15.75	45.1	15.26	43.6	14.75	40.4	13.73	37.4	12.73
	-5.0	-6.0	53.0	16.95	49.9	15.96	46.8	15.00	45.2	14.52	43.7	14.05	40.6	13.09	37.4	12.14
	-3.0	-4.0	53.2	16.16	50.1	15.22	46.9	14.31	45.3	13.86	43.8	13.39	40.6	12.50	37.5	11.60
	-1.0	-2.0	53.3	15.42	50.1	14.55	47.0	13.67	45.4	13.24	43.9	12.80	40.8	11.93	37.6	11.09
	0.0	-1.0	53.3	15.07	50.3	14.21	47.1	13.36	45.5	12.93	43.9	12.52	40.8	11.68	37.6	10.85
	2.0	1.0	53.5	14.41	50.3	13.60	47.2	12.78	45.6	12.38	44.0	11.98	40.8	11.18	37.7	10.39
	5.0	4.0	53.8	13.51	50.7	12.75	47.5	11.99	45.9	11.63	44.3	11.26	41.2	10.51	38.0	9.76
	7.0	6.0	53.8	12.96	50.7	12.23	47.5	11.51	45.9	11.16	44.3	10.80	41.2	10.08	38.0	9.39
	9.0	7.8	53.8	12.49	50.7	11.80	47.5	11.11	45.9	10.76	44.3	10.41	41.2	9.73	38.0	9.07
	12.0	10.6	53.8	11.81	50.7	11.17	47.5	10.52	45.9	10.20	44.3	9.88	41.2	9.24	38.0	8.60
	15.0	13.5	53.8	11.17	50.7	10.57	47.5	9.94	45.9	9.65	44.3	9.34	41.2	8.74	38.0	8.16

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ*288LALHH

● Capacity : 100.0 kW (32HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
150.0 (150%)	-19.3	-20.0	52.3	16.42	52.2	17.07	51.9	17.72	51.9	18.04	51.7	18.36	51.6	19.01	51.4	19.66
	-15.0	-16.0	61.0	17.39	60.8	18.04	60.5	18.70	60.5	19.04	60.2	19.37	59.9	20.03	59.7	20.69
	-12.0	-13.0	67.8	18.10	67.5	18.78	67.2	19.43	66.9	19.77	66.9	20.11	66.6	20.79	66.3	21.45
	-9.0	-10.0	74.9	18.81	74.4	19.49	74.1	20.17	73.9	20.51	73.8	20.87	73.3	21.55	73.0	22.23
	-7.0	-8.0	79.8	19.30	79.2	19.98	78.9	20.67	78.7	21.01	78.4	21.35	77.9	22.05	77.6	22.73
	-5.0	-6.0	84.6	19.78	84.1	20.46	83.7	21.16	83.5	21.50	83.2	21.85	82.7	22.55	82.1	23.25
	-3.0	-4.0	89.6	20.25	89.1	20.95	88.6	21.66	88.3	22.00	88.0	22.34	87.5	23.05	86.9	23.75
	-1.0	-2.0	94.7	20.72	94.0	21.43	93.4	22.14	93.1	22.50	92.8	22.84	92.3	23.57	91.7	24.28
	0.0	-1.0	97.2	20.96	96.6	21.69	96.0	22.39	95.8	22.74	95.3	23.10	94.7	23.81	94.1	24.54
	2.0	1.0	102.3	21.46	101.7	22.16	101.1	22.89	100.6	23.24	100.3	23.60	99.7	24.33	99.0	25.04
	5.0	4.0	110.5	22.17	109.7	22.90	108.9	23.63	108.6	24.00	108.3	24.36	107.5	25.09	106.7	25.83
	7.0	6.0	115.6	22.66	114.8	23.40	114.0	24.13	113.4	24.50	113.1	24.86	112.3	25.62	111.5	26.35
	9.0	7.8	120.1	23.11	119.3	23.84	118.3	24.58	118.0	24.96	117.4	25.33	116.6	26.09	115.8	26.82
	12.0	10.6	127.4	23.79	126.3	24.55	125.4	25.31	124.9	25.68	124.4	26.04	123.3	26.80	120.0	26.70
	15.0	13.5	134.6	24.50	133.7	25.28	132.7	26.04	132.1	26.43	131.6	26.80	129.9	27.40	120.0	25.13
140.0 (140%)	-19.3	-20.0	52.2	16.66	52.0	17.31	51.9	17.96	51.7	18.28	51.7	18.61	51.4	19.27	51.3	19.90
	-15.0	-16.0	60.8	17.68	60.5	18.33	60.5	18.99	60.2	19.33	60.2	19.66	59.9	20.32	59.6	20.97
	-12.0	-13.0	67.7	18.44	67.4	19.09	66.9	19.77	66.9	20.11	66.6	20.45	66.4	21.11	66.1	21.78
	-9.0	-10.0	74.7	19.20	74.4	19.86	73.9	20.53	73.6	20.87	73.6	21.21	73.0	21.91	72.7	22.59
	-7.0	-8.0	79.5	19.70	79.0	20.38	78.6	21.06	78.4	21.40	78.1	21.74	77.8	22.44	77.3	23.12
	-5.0	-6.0	84.3	20.20	83.8	20.88	83.2	21.58	83.2	21.92	82.9	22.26	82.4	22.97	81.8	23.67
	-3.0	-4.0	89.2	20.70	88.6	21.40	88.3	22.10	88.0	22.45	87.7	22.79	87.2	23.49	86.6	24.20
	-1.0	-2.0	94.2	21.22	93.7	21.92	93.1	22.63	92.8	22.97	92.5	23.33	92.0	24.04	91.2	24.75
	0.0	-1.0	96.9	21.46	96.1	22.16	95.5	22.89	95.2	23.23	95.0	23.60	94.4	24.30	93.6	25.01
	2.0	1.0	101.9	21.98	101.2	22.69	100.6	23.41	100.3	23.76	99.8	24.12	99.2	24.83	98.4	25.56
	5.0	4.0	110.0	22.74	109.2	23.47	108.4	24.20	108.0	24.57	107.5	24.93	106.9	25.65	106.1	26.38
	7.0	6.0	114.8	23.27	114.0	24.00	113.2	24.73	112.9	25.10	112.4	25.46	111.5	26.19	110.7	26.93
	9.0	7.8	119.3	23.74	118.5	24.47	117.7	25.20	117.2	25.59	116.6	25.96	115.8	26.69	112.0	26.32
	12.0	10.6	126.3	24.47	125.5	25.23	124.4	25.96	124.1	26.35	123.5	26.72	121.3	27.02	112.0	24.79
	15.0	13.5	133.8	25.24	132.7	25.99	131.6	26.75	131.0	27.14	130.5	27.52	121.3	25.44	112.0	23.35
130.0 (130%)	-19.3	-20.0	52.2	16.94	52.0	17.60	51.7	18.25	51.7	18.56	51.6	18.90	51.4	19.55	51.1	20.19
	-15.0	-16.0	60.8	18.02	60.5	18.67	60.2	19.33	60.2	19.66	59.9	20.00	59.7	20.66	59.4	21.31
	-12.0	-13.0	67.5	18.81	67.2	19.48	66.9	20.14	66.6	20.48	66.6	20.82	66.3	21.49	65.8	22.15
	-9.0	-10.0	74.4	19.62	74.1	20.29	73.6	20.97	73.5	21.31	73.3	21.65	73.0	22.31	72.5	22.99
	-7.0	-8.0	79.2	20.14	78.7	20.82	78.4	21.50	78.1	21.86	77.8	22.20	77.5	22.88	77.0	23.57
	-5.0	-6.0	84.0	20.69	83.5	21.37	83.0	22.05	82.7	22.41	82.6	22.76	82.1	23.44	81.6	24.14
	-3.0	-4.0	88.8	21.22	88.3	21.92	87.8	22.60	87.5	22.97	87.2	23.31	86.7	24.01	86.1	24.70
	-1.0	-2.0	93.7	21.77	93.1	22.47	92.6	23.16	92.3	23.52	92.0	23.86	91.5	24.57	90.9	25.27
	0.0	-1.0	96.3	22.03	95.8	22.74	95.0	23.44	94.7	23.80	94.4	24.15	93.9	24.85	93.3	25.56
	2.0	1.0	101.4	22.58	100.6	23.29	100.0	23.99	99.7	24.36	99.2	24.72	98.7	25.43	97.9	26.14
	5.0	4.0	109.2	23.40	108.4	24.13	107.8	24.84	107.3	25.20	107.0	25.56	106.2	26.29	104.0	26.44
	7.0	6.0	114.2	23.95	113.4	24.68	112.6	25.41	112.1	25.78	111.5	26.14	110.7	26.87	104.0	25.30
	9.0	7.8	118.5	24.45	117.7	25.20	116.9	25.93	116.3	26.30	115.8	26.67	112.6	26.50	104.0	24.33
	12.0	10.6	125.5	25.26	124.4	25.99	123.5	26.74	123.0	27.11	121.3	27.02	112.6	24.95	104.0	22.93
	15.0	13.5	132.4	26.07	131.6	26.83	129.9	27.40	125.6	26.41	121.3	25.44	112.6	23.50	104.0	21.62
120.0 (120%)	-19.3	-20.0	52.0	17.28	51.9	17.93	51.7	18.59	51.6	18.90	51.4	19.22	51.3	19.87	51.1	20.52
	-15.0	-16.0	60.5	18.41	60.3	19.06	60.2	19.72	59.9	20.06	59.9	20.39	59.6	21.05	59.3	21.70
	-12.0	-13.0	67.2	19.25	66.9	19.93	66.6	20.58	66.6	20.92	66.3	21.26	66.0	21.92	65.7	22.59
	-9.0	-10.0	74.1	20.11	73.8	20.77	73.3	21.45	73.3	21.79	73.0	22.13	72.7	22.81	72.2	23.48
	-7.0	-8.0	78.9	20.67	78.4	21.35	77.9	22.03	77.8	22.37	77.6	22.73	77.0	23.41	76.7	24.09
	-5.0	-6.0	83.5	21.24	83.2	21.92	82.6	22.62	82.4	22.96	82.1	23.31	81.6	23.99	81.2	24.69
	-3.0	-4.0	88.3	21.82	87.8	22.50	87.4	23.20	87.2	23.54	86.9	23.91	86.3	24.59	85.8	25.29
	-1.0	-2.0	93.4	22.40	92.6	23.10	92.0	23.80	91.8	24.15	91.5	24.49	90.9	25.19	90.3	25.90
	0.0	-1.0	95.8	22.68	95.2	23.39	94.4	24.09	94.2	24.44	93.9	24.80	93.3	25.50	92.7	26.21
	2.0	1.0	100.6	23.26	100.0	23.97	99.3	24.70	99.0	25.04	98.7	25.40	97.9	26.11	95.5	26.02
	5.0	4.0	108.4	24.15	107.8	24.86	107.0	25.59	106.5	25.95	106.1	26.32	104.0	26.44	96.0	24.31
	7.0	6.0	113.2	24.75	112.4	25.46	111.5	26.19	111.2	26.56	110.7	26.92	104.0	25.30	96.0	23.26
	9.0	7.8	117.5	25.28	116.6	26.01	115.8	26.74	115.3	27.11	112.0	26.32	104.0	24.33	96.0	22.39
	12.0	10.6	124.3	26.14	123.3	26.88	120.0	26.70	115.8	25.74	112.0	24.79	104.0	22.93	96.0	21.10
	15.0	13.5	131.3	27.02	128.0	26.93	120.0	25.13	115.8	24.24	112.0	23.35	104.0	21.62	96.0	19.89
110.0 (110%)	-19.3	-20.0	51.9	17.68	51.7	18.33	51.6	18.98	51.4	19.29	51.4	19.61	51.1	20.26	51.0	20.91
	-15.0	-16.0	60.5	18.88	60.2	19.53	59.9	20.19	59.7	20.52	59.6	20.84	59.4	21.49	59.1	22.15
	-12.0	-13.0	66.9	19.77	66.6	20.45	66.4	21.10	66.3	21.44	66.1	21.76	65.8	22.43	65.5	23.09
	-9.0	-10.0	73.8	20.69	73.5	21.34	73.0	22.02	72.8	22.36	72.7	22.70	72.2	23.38	71.9	24.06
	-7.0	-8.0	78.4	21.29	78.1	21.97	77.6	22.65	77.3	22.99	77.0	23.33	76.7	24.01	76.2	24.69
	-5.0	-6.0	83.2	21.90	82.7	22.58	82.1	23.28	81.9	23.62	81.6	23.96	81.3	24.64	80.7	25.32
	-3.0	-4.0	87.8	22.52	87.4	23.20	86.9	23.91	86.6	24.25	86.3	24.59	85.8	25.27	85.2	25.97
	-1.0	-2.0	92.6	23.13	92.0	23.83	91.5	24.54	91.2	24.88	90.9	25.22	90.3	25.92	87.0	25.48
	0.0	-1.0	95.0	23.44	94.4	24.15	93.9	24.85	93.6	25.19	93.3	25.56	92.5	26.24	87.2	24.88
	2.0	1.0	100.0	24.07	99.2	24.78	98.6	25.48	98.2	25.85	97.9	26.19	94.7	25.82	87.5	23.77
	5.0	4.0	107.5	25.04	106.7	25.75	105.9	26.45	105.6	26.82	102.7	26.09	95.2	24.13	88.0	22.21
	7.0	6.0	112.1	25.67	111.3	26.40	109.9	26.85	106.2	25.90	102.7	24.96	95.2	23.10	88.0	21.27
	9.0	7.8	116.3	26.25	115.5	26.98	109.9	25.82	106.2	24.91	102.7	24.01	95.2	22.23	88.0	20.47
	12.0	10.6	123.0	27.17	117.3	26.05	109.9	24.32	106.2	23.48	102.7	22.62	95.2	20.95	88.0	19.30
	15.0	13.5	124.6	26.18	117.3	24.55	109.9	22.92	106.2	22.12	102.7	21.33	95.2	19.76	88.0	18.21

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ*288LALHH

● Capacity : 100.0 kW (32HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100.0 (100%)	-19.3	-20.0	51.9	18.14	51.6	18.80	51.4	19.45	51.4	19.76	51.3	20.08	51.1	20.73	50.8	21.38
	-15.0	-16.0	60.2	19.43	59.9	20.08	59.7	20.73	59.6	21.07	59.4	21.39	59.1	22.04	58.8	22.69
	-12.0	-13.0	66.7	20.40	66.4	21.05	66.1	21.71	66.0	22.04	65.8	22.38	65.5	23.04	65.2	23.71
	-9.0	-10.0	73.3	21.37	73.0	22.04	72.7	22.70	72.5	23.04	72.2	23.38	71.9	24.05	71.4	24.71
	-7.0	-8.0	77.9	22.02	77.6	22.70	77.0	23.38	77.0	23.72	76.7	24.06	76.2	24.72	75.9	25.39
	-5.0	-6.0	82.6	22.68	82.1	23.36	81.6	24.04	81.3	24.38	81.0	24.72	80.7	25.40	78.7	25.45
	-3.0	-4.0	87.2	23.36	86.7	24.04	86.1	24.72	85.8	25.06	85.6	25.40	85.0	26.10	79.0	24.23
	-1.0	-2.0	92.0	24.02	91.4	24.72	90.7	25.40	90.4	25.74	90.1	26.10	85.7	25.09	79.2	23.10
	0.0	-1.0	94.2	24.36	93.6	25.06	93.0	25.74	92.8	26.08	92.5	26.42	85.9	24.49	79.2	22.55
	2.0	1.0	99.0	25.04	98.4	25.74	97.6	26.42	96.0	26.21	92.6	25.26	86.1	23.38	79.5	21.54
	5.0	4.0	106.4	26.06	105.6	26.77	100.0	25.36	96.6	24.49	93.3	23.60	86.5	21.87	80.0	20.15
	7.0	6.0	111.0	26.77	106.7	25.98	100.0	24.28	96.6	23.44	93.3	22.60	86.5	20.93	80.0	19.30
	9.0	7.8	113.3	26.66	106.7	24.99	100.0	23.36	96.6	22.55	93.3	21.74	86.5	20.14	80.0	18.59
	12.0	10.6	113.1	25.11	106.7	23.56	100.0	22.02	96.6	21.26	93.3	20.50	86.5	19.01	80.0	17.54
	15.0	13.5	113.3	23.66	106.7	22.19	100.0	20.75	96.6	20.02	93.3	19.32	86.5	17.93	80.0	16.54
90.0 (90%)	-19.3	-20.0	51.7	18.72	51.4	19.37	51.3	20.00	51.1	20.33	51.1	20.65	50.8	21.30	50.7	21.93
	-15.0	-16.0	59.9	20.10	59.7	20.76	59.4	21.41	59.3	21.72	59.1	22.06	58.8	22.71	58.5	23.35
	-12.0	-13.0	66.4	21.15	66.1	21.80	65.8	22.46	65.5	22.80	65.5	23.11	65.0	23.77	64.7	24.44
	-9.0	-10.0	73.0	22.20	72.5	22.86	72.2	23.53	71.9	23.87	71.9	24.19	71.4	24.86	70.7	25.30
	-7.0	-8.0	77.3	22.91	77.0	23.59	76.5	24.24	76.4	24.58	76.2	24.92	75.6	25.60	70.7	24.01
	-5.0	-6.0	81.9	23.62	81.5	24.30	81.0	24.98	80.7	25.31	80.5	25.65	76.8	24.79	71.0	22.85
	-3.0	-4.0	86.4	24.35	85.8	25.03	85.3	25.71	85.0	26.05	83.0	25.47	77.1	23.60	71.0	21.74
	-1.0	-2.0	90.9	25.08	90.4	25.76	89.1	26.09	86.1	25.17	83.2	24.28	77.1	22.50	71.2	20.74
	0.0	-1.0	93.3	25.45	92.7	26.13	89.1	25.48	86.2	24.59	83.2	23.72	77.3	21.99	71.3	20.26
	2.0	1.0	97.9	26.19	95.3	26.02	89.4	24.32	86.4	23.48	83.5	22.64	77.4	20.99	71.5	19.37
	5.0	4.0	101.9	25.91	96.0	24.31	89.9	22.74	86.9	21.95	84.0	21.17	77.9	19.65	72.0	18.13
	7.0	6.0	101.9	24.78	95.8	23.26	89.9	21.76	87.0	21.01	84.0	20.27	77.9	18.81	72.0	17.36
	9.0	7.8	101.9	23.85	96.0	22.39	89.9	20.95	87.0	20.22	84.0	19.51	77.9	18.12	72.0	16.73
	12.0	10.6	101.9	22.48	95.8	21.10	89.9	19.74	87.0	19.08	84.0	18.41	77.9	17.09	72.0	15.79
	15.0	13.5	101.9	21.17	96.0	19.89	89.9	18.63	87.0	18.00	84.0	17.38	77.9	16.12	72.0	14.92
80.0 (80%)	-19.3	-20.0	51.4	19.44	51.3	20.07	51.1	20.72	51.0	21.04	50.8	21.35	50.5	22.00	50.5	22.63
	-15.0	-16.0	59.6	20.94	59.4	21.57	59.1	22.22	59.0	22.56	58.8	22.87	58.5	23.52	58.2	24.18
	-12.0	-13.0	66.0	22.07	65.5	22.72	65.2	23.37	65.2	23.71	64.9	24.03	64.6	24.68	62.4	24.35
	-9.0	-10.0	72.4	23.22	71.9	23.87	71.6	24.55	71.4	24.87	71.1	25.20	68.0	24.34	62.7	22.45
	-7.0	-8.0	76.7	24.00	76.2	24.66	75.9	25.33	75.6	25.65	73.4	24.93	68.1	23.12	62.9	21.33
	-5.0	-6.0	81.0	24.79	80.7	25.45	78.7	25.45	76.1	24.58	73.6	23.71	68.3	21.98	63.0	20.28
	-3.0	-4.0	85.5	25.58	84.3	25.89	79.0	24.23	76.3	23.39	73.7	22.58	68.5	20.93	63.2	19.33
	-1.0	-2.0	89.6	26.29	84.5	24.67	79.2	23.10	76.6	22.31	73.9	21.52	68.6	19.97	63.3	18.43
	0.0	-1.0	89.9	25.67	84.6	24.11	79.2	22.55	76.6	21.78	73.9	21.02	68.6	19.50	63.5	18.03
	2.0	1.0	90.3	24.50	84.8	23.01	79.5	21.54	76.8	20.81	74.2	20.10	68.8	18.66	63.7	17.22
	5.0	4.0	90.7	22.90	85.3	21.51	80.0	20.15	77.3	19.47	74.7	18.81	69.3	17.45	64.0	16.14
	7.0	6.0	90.7	21.92	85.3	20.61	80.0	19.30	77.3	18.65	74.7	18.02	69.3	16.73	64.0	15.48
	9.0	7.8	90.7	21.10	85.3	19.82	80.0	18.59	77.3	17.96	74.7	17.34	69.3	16.11	64.0	14.90
	12.0	10.6	90.7	19.90	85.3	18.72	79.8	17.54	77.3	16.96	74.7	16.36	69.3	15.23	64.0	14.08
	15.0	13.5	90.7	18.76	85.3	17.64	79.8	16.54	77.3	15.99	74.7	15.44	69.3	14.37	64.0	13.32
70.0 (70%)	-19.3	-20.0	51.1	20.33	51.0	20.98	50.8	21.61	50.8	21.92	50.5	22.24	50.5	22.89	50.2	23.52
	-15.0	-16.0	59.1	21.98	58.8	22.63	58.6	23.26	58.5	23.60	58.3	23.91	58.2	24.56	54.4	23.18
	-12.0	-13.0	65.3	23.24	65.0	23.89	64.7	24.54	64.6	24.86	63.8	24.85	59.2	23.06	54.7	21.28
	-9.0	-10.0	71.6	24.52	71.1	25.17	68.6	24.60	66.4	23.76	64.0	22.92	59.5	21.29	54.9	19.66
	-7.0	-8.0	75.9	25.36	73.4	24.93	68.8	23.33	66.4	22.54	64.3	21.78	59.5	20.21	55.0	18.68
	-5.0	-6.0	78.2	25.24	73.6	23.71	68.9	22.19	66.7	21.46	64.3	20.70	59.8	19.23	55.2	17.78
	-3.0	-4.0	78.4	24.02	73.7	22.58	69.1	21.14	66.7	20.43	64.5	19.72	59.8	18.33	55.2	16.94
	-1.0	-2.0	78.5	22.89	73.9	21.52	69.3	20.16	67.0	19.48	64.6	18.82	60.0	17.49	55.5	16.17
	0.0	-1.0	78.7	22.36	73.9	21.02	69.4	19.71	67.0	19.05	64.8	18.40	60.0	17.09	55.5	15.81
	2.0	1.0	78.7	21.36	74.2	20.10	69.4	18.82	67.2	18.21	64.8	17.58	60.3	16.35	55.7	15.12
	5.0	4.0	79.2	19.99	74.7	18.81	69.9	17.63	67.5	17.05	65.3	16.47	60.6	15.32	56.0	14.17
	7.0	6.0	79.2	19.14	74.7	18.02	69.9	16.89	67.5	16.34	65.3	15.79	60.6	14.69	56.0	13.62
	9.0	7.8	79.2	18.43	74.7	17.34	69.9	16.26	67.5	15.74	65.3	15.21	60.6	14.16	56.0	13.12
	12.0	10.6	79.2	17.38	74.7	16.36	69.9	15.37	67.5	14.87	65.3	14.37	60.6	13.38	56.0	12.41
	15.0	13.5	79.2	16.41	74.7	15.44	69.9	14.50	67.5	14.05	65.3	13.58	60.6	12.64	56.0	11.73
60.0 (60%)	-19.3	-20.0	50.8	21.53	50.5	22.16	50.5	22.80	50.2	23.12	50.2	23.43	49.9	24.06	46.4	22.45
	-15.0	-16.0	58.5	23.36	58.3	24.01	58.0	24.64	56.3	24.00	54.4	23.18	50.7	21.53	46.7	19.89
	-12.0	-13.0	64.6	24.77	62.4	24.35	58.7	22.80	56.6	22.04	54.7	21.28	50.7	19.78	46.9	18.28
	-9.0	-10.0	66.7	23.87	62.7	22.45	58.7	21.05	56.8	20.34	54.9	19.66	51.0	18.27	47.0	16.90
	-7.0	-8.0	66.7	22.67	62.9	21.33	59.0	19.99	56.9	19.34	55.0	18.68	51.0	17.37	47.2	16.06
	-5.0	-6.0	67.0	21.56	63.0	20.28	59.0	19.02	57.1	18.39	55.2	17.78	51.2	16.53	47.2	15.32
	-3.0	-4.0	67.2	20.53	63.2	19.33	59.2	18.12	57.1	17.54	55.2	16.94	51.3	15.76	47.3	14.60
	-1.0	-2.0	67.2	19.58	63.3	18.43	59.3	17.30	57.4	16.75	55.5	16.17	51.5	15.07	47.5	13.95
	0.0	-1.0	67.3	19.14	63.5	18.03	59.5	16.91	57.4	16.36	55.5	15.81	51.5	14.73	47.5	13.65
	2.0	1.0	67.5	18.29	63.7	17.22	59.7	16.17	57.6	15.64	55.7	15.12	51.7	14.10	47.5	13.07
	5.0	4.0	68.0	17.13	64.0	16.14	60.0	15.16	57.9	14.67	56.0	14.17	52.0	13.23	48.0	12.26
	7.0	6.0	68.0	16.42	64.0	15.48	60.0	14.53	57.9	14.06	56.0	13.62	52.0	12.68	48.0	11.78
	9.0	7.8	68.0	15.81	64.0	14.90	60.0	14.01	57.9	13.56	56.0	13.12	52.0	12.23	48.0	11.36
	12.0	10.6	68.0	14.94	64.0	14.08	60.0	13.25	57.9	12.83	56.0	12.41	52.0	11.57	48.0	10.76
	15.0	13.5	68.0	14.11	63.8	13.32	60.0	12.51	57.9	12.12	56.0	11.73	52.0	10.96	48.0	10.18
50.0 (50%)	-19.3	-20.0	50.2	23.17	50.0	23.79	48.3	23.37	46.7	22.60	45.1	21.82	41.9	20.29	38.7	18.76
	-15.0	-16.0	55.2	23.45	51.8	22.08	48.6	20.71	47.0	20.03	45.4	19.35	42.2	18.00	38.9	16.66
	-12.0	-13.0	55.3	21.54	52.0	20.28	48.8	19.04	47.2	18.41	45.6	17.80	42.2	16.57	39.0	15.34
	-9.0	-10.0	55.5	19.87	52.3	18.72	49.1	17.58	47.3	17.01	45.7	16.45	42.4	15.33	39.2	14.20
	-7.0	-8.0	55.7	18.89	52.3	17.79	49.1	16.71	47.5	16.19	45.9	15.64	42.5	14.58	39.2	13.51
	-5.0	-6.0	55.8	17.99	52.5	16.94	49.1	15.92	47.5	15.42	45.9	14.90	42.7	13.90	39.3	12.88
	-3.0	-4.0	56.0	17.15	52.6	16.15	49.4	15.18	47.7	14.71	45.9	14.21	42.7	13.27	39.5	12.32
	-1.0	-2.0	56.0	16.36	52.8	15.44	49.4	14.50	47.8	14.05	46.2	13.58	42.9	12.68	39.5	11.77
	0.0	-1.0	56.1	15.99	52.8	15.09	49.4	14.18	47.8	13.73	46.2	13.29	42.9	12.40	39.5	11.53
	2.0	1.0	56.3	15.30	53.1	14.44	49.6	13.57	48.0	13.15	46.4	12.73	43.0	11.87	39.9	11.03
	5.0	4.0	56.6	14.35	53.3	13.54	49.9	12.73	48.3	12.34	46.7	11.95	43.2	11.16	40.0	10.37
	7.0	6.0	56.6	13.75	53.3	12.99	49.9	12.23	48.3	11.84	46.7	11.47	43.2	10.71	40.0	9.98
	9.0	7.8	56.6	13.27	53.3	12.52	49.9	11.81	48.3	11.44	46.7	11.07	43.2	10.34	40.0	9.64
	12.0	10.6	56.6	12.54	53.3	11.86	49.9	11.18	48.3	10.84	46.7	10.50	43.2	9.82	40.0	9.14
	15.0	13.5	56.6	11.86	53.3	11.23	49.9	10.57	48.3	10.26	46.7	9.94	43.2	9.29	40.0	8.67

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ*306LALHH

● Capacity : 107.5 kW (34HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
161.3 (150%)	-19.3	-20.0	56.3	17.89	56.1	18.60	55.9	19.30	55.8	19.66	55.7	20.01	55.5	20.72	55.4	21.43
	-15.0	-16.0	65.6	18.94	65.4	19.65	65.1	20.38	65.0	20.74	64.8	21.10	64.5	21.82	64.3	22.55
	-12.0	-13.0	72.9	19.72	72.6	20.46	72.3	21.17	72.0	21.54	72.0	21.91	71.6	22.65	71.3	23.38
	-9.0	-10.0	80.5	20.49	80.0	21.24	79.7	21.98	79.5	22.35	79.3	22.73	78.9	23.47	78.5	24.22
	-7.0	-8.0	85.7	21.02	85.2	21.76	84.8	22.52	84.6	22.89	84.3	23.27	83.8	24.02	83.5	24.77
	-5.0	-6.0	90.9	21.54	90.4	22.29	89.9	23.05	89.7	23.42	89.4	23.81	88.9	24.57	88.3	25.33
	-3.0	-4.0	96.3	22.06	95.7	22.82	95.2	23.59	94.9	23.97	94.6	24.34	94.1	25.12	93.5	25.88
	-1.0	-2.0	101.7	22.57	101.1	23.35	100.4	24.12	100.1	24.51	99.8	24.89	99.2	25.67	98.6	26.45
	0.0	-1.0	104.5	22.83	103.8	23.62	103.2	24.39	102.9	24.78	102.5	25.16	101.8	25.94	101.2	26.73
	2.0	1.0	110.0	23.37	109.3	24.14	108.6	24.93	108.2	25.32	107.8	25.71	107.2	26.50	106.5	27.28
	5.0	4.0	118.7	24.15	117.9	24.94	117.1	25.74	116.7	26.14	116.3	26.54	115.5	27.33	114.7	28.14
	7.0	6.0	124.2	24.68	123.3	25.48	122.5	26.28	121.9	26.69	121.5	27.08	120.7	27.90	119.8	28.70
	9.0	7.8	129.0	25.16	128.1	25.96	127.2	26.78	126.8	27.18	126.2	27.59	125.3	28.41	124.4	29.22
	12.0	10.6	136.8	25.90	135.7	26.73	134.7	27.56	134.2	27.97	133.7	28.37	132.5	29.20	129.0	29.09
	15.0	13.5	144.6	26.68	143.6	27.52	142.5	28.36	141.9	28.78	141.4	29.19	139.7	29.86	129.0	27.40
150.5 (140%)	-19.3	-20.0	56.2	18.16	56.0	18.86	55.8	19.57	55.7	19.92	55.7	20.28	55.4	21.00	55.2	21.69
	-15.0	-16.0	65.4	19.26	65.2	19.97	65.1	20.70	64.8	21.06	64.8	21.42	64.5	22.14	64.2	22.86
	-12.0	-13.0	72.8	20.09	72.5	20.80	72.0	21.54	72.0	21.91	71.7	22.28	71.5	23.01	71.2	23.73
	-9.0	-10.0	80.3	20.91	80.0	21.64	79.5	22.37	79.2	22.74	79.1	23.12	78.6	23.87	78.2	24.61
	-7.0	-8.0	85.4	21.46	85.0	22.20	84.5	22.95	84.3	23.32	84.0	23.69	83.6	24.45	83.2	25.19
	-5.0	-6.0	90.6	22.00	90.1	22.75	89.5	23.51	89.4	23.88	89.1	24.26	88.6	25.03	88.0	25.78
	-3.0	-4.0	95.9	22.55	95.3	23.31	94.9	24.07	94.6	24.46	94.3	24.83	93.7	25.60	93.1	26.37
	-1.0	-2.0	101.3	23.11	100.7	23.87	100.1	24.65	99.8	25.02	99.4	25.41	98.9	26.19	98.1	26.96
	0.0	-1.0	104.1	23.38	103.3	24.14	102.7	24.93	102.4	25.31	102.1	25.71	101.5	26.47	100.7	27.25
	2.0	1.0	109.5	23.94	108.8	24.72	108.1	25.50	107.8	25.89	107.3	26.28	106.6	27.06	105.9	27.85
	5.0	4.0	118.2	24.77	117.3	25.56	116.5	26.36	116.1	26.76	115.6	27.15	114.9	27.95	114.0	28.74
	7.0	6.0	123.4	25.34	122.5	26.14	121.7	26.94	121.3	27.34	120.8	27.74	119.9	28.53	119.0	29.34
	9.0	7.8	128.2	25.85	127.3	26.65	126.5	27.45	126.0	27.87	125.4	28.27	124.5	29.08	120.3	28.68
	12.0	10.6	135.7	26.65	134.8	27.47	133.7	28.28	133.3	28.70	132.7	29.10	130.4	29.44	120.3	27.02
	15.0	13.5	143.7	27.49	142.5	28.31	141.4	29.14	140.8	29.56	140.2	29.97	130.4	27.73	120.3	25.46
139.8 (130%)	-19.3	-20.0	56.2	18.46	56.0	19.18	55.7	19.89	55.7	20.23	55.6	20.59	55.4	21.30	55.1	22.01
	-15.0	-16.0	65.4	19.63	65.1	20.35	64.8	21.07	64.8	21.42	64.5	21.79	64.3	22.51	64.0	23.22
	-12.0	-13.0	72.6	20.50	72.3	21.22	72.0	21.95	71.7	22.32	71.6	22.69	71.3	23.41	70.9	24.14
	-9.0	-10.0	80.0	21.37	79.7	22.10	79.2	22.84	79.0	23.21	78.8	23.58	78.5	24.32	78.0	25.06
	-7.0	-8.0	85.1	21.94	84.7	22.69	84.3	23.43	84.0	23.81	83.7	24.18	83.3	24.93	82.8	25.68
	-5.0	-6.0	90.3	22.53	89.8	23.28	89.3	24.03	89.0	24.41	88.8	24.79	88.3	25.54	87.8	26.30
	-3.0	-4.0	95.5	23.12	94.9	23.88	94.4	24.63	94.1	25.02	93.8	25.40	93.3	26.16	92.7	26.92
	-1.0	-2.0	100.8	23.71	100.1	24.47	99.6	25.24	99.3	25.62	98.9	26.00	98.4	26.77	97.7	27.54
	0.0	-1.0	103.5	24.00	102.9	24.77	102.2	25.54	101.9	25.92	101.5	26.31	101.0	27.08	100.3	27.85
	2.0	1.0	108.9	24.59	108.2	25.37	107.5	26.14	107.1	26.54	106.7	26.93	106.1	27.70	105.3	28.48
	5.0	4.0	117.4	25.49	116.5	26.28	115.8	27.06	115.4	27.45	115.0	27.85	114.2	28.64	111.8	28.80
	7.0	6.0	122.7	26.09	121.8	26.88	121.0	27.68	120.5	28.08	119.9	28.48	119.1	29.27	111.8	27.56
	9.0	7.8	127.3	26.63	126.5	27.44	125.6	28.24	125.0	28.65	124.5	29.05	121.1	28.87	111.8	26.51
	12.0	10.6	134.8	27.50	133.7	28.31	132.7	29.12	132.2	29.53	130.4	29.44	121.1	27.19	111.8	24.99
	15.0	13.5	142.3	28.39	141.3	29.22	139.7	29.86	135.0	28.79	130.4	27.73	121.1	25.62	111.8	23.56
129.0 (120%)	-19.3	-20.0	56.0	18.83	55.9	19.54	55.7	20.26	55.5	20.60	55.4	20.95	55.2	21.66	55.1	22.36
	-15.0	-16.0	65.1	20.06	64.9	20.77	64.7	21.49	64.5	21.86	64.4	22.22	64.1	22.94	63.8	23.65
	-12.0	-13.0	72.3	20.98	72.0	21.71	71.7	22.43	71.6	22.80	71.4	23.16	71.0	23.89	70.7	24.62
	-9.0	-10.0	79.7	21.90	79.3	22.63	78.9	23.37	78.8	23.74	78.5	24.12	78.2	24.86	77.7	25.59
	-7.0	-8.0	84.8	22.52	84.3	23.26	83.8	24.01	83.7	24.38	83.5	24.76	82.9	25.50	82.5	26.25
	-5.0	-6.0	89.8	23.14	89.4	23.89	88.8	24.64	88.6	25.01	88.3	25.40	87.8	26.14	87.3	26.90
	-3.0	-4.0	95.0	23.77	94.5	24.52	93.9	25.28	93.7	25.65	93.4	26.05	92.8	26.80	92.3	27.55
	-1.0	-2.0	100.4	24.40	99.6	25.16	99.0	25.92	98.7	26.31	98.4	26.69	97.8	27.45	97.1	28.22
	0.0	-1.0	103.0	24.71	102.3	25.48	101.5	26.24	101.3	26.63	101.0	27.02	100.3	27.78	99.7	28.55
	2.0	1.0	108.2	25.34	107.5	26.12	106.8	26.90	106.5	27.28	106.1	27.67	105.3	28.45	102.6	28.33
	5.0	4.0	116.5	26.31	115.8	27.09	115.0	27.88	114.5	28.27	114.1	28.67	111.8	28.80	103.2	26.48
	7.0	6.0	121.7	26.95	120.8	27.74	119.9	28.53	119.5	28.93	119.0	29.33	111.8	27.56	103.2	25.34
	9.0	7.8	126.3	27.54	125.3	28.33	124.5	29.13	124.0	29.53	120.4	28.68	111.8	26.51	103.2	24.39
	12.0	10.6	133.5	28.46	132.5	29.28	129.0	29.09	124.6	28.06	120.4	27.02	111.8	24.99	103.2	23.00
	15.0	13.5	141.0	29.43	137.6	29.36	129.0	27.40	124.6	26.42	120.4	25.46	111.8	23.56	103.2	21.68
118.3 (110%)	-19.3	-20.0	55.9	19.27	55.7	19.98	55.5	20.68	55.4	21.02	55.4	21.38	55.1	22.08	54.9	22.79
	-15.0	-16.0	65.1	20.57	64.8	21.28	64.5	22.00	64.3	22.36	64.2	22.71	64.0	23.42	63.7	24.15
	-12.0	-13.0	72.0	21.54	71.7	22.28	71.5	22.99	71.3	23.36	71.2	23.72	70.8	24.44	70.5	25.17
	-9.0	-10.0	79.4	22.54	79.0	23.26	78.6	24.00	78.4	24.37	78.2	24.74	77.7	25.48	77.4	26.22
	-7.0	-8.0	84.3	23.19	84.0	23.94	83.5	24.68	83.2	25.05	82.9	25.42	82.5	26.16	82.1	26.90
	-5.0	-6.0	89.4	23.86	88.9	24.61	88.3	25.36	88.1	25.73	87.8	26.11	87.4	26.85	86.8	27.60
	-3.0	-4.0	94.5	24.53	93.9	25.28	93.4	26.05	93.1	26.42	92.8	26.79	92.3	27.54	91.6	28.30
	-1.0	-2.0	99.6	25.20	99.0	25.96	98.4	26.73	98.1	27.11	97.8	27.48	97.1	28.24	93.6	27.73
	0.0	-1.0	102.2	25.54	101.5	26.31	101.0	27.07	100.6	27.45	100.3	27.84	99.5	28.60	93.7	27.09
	2.0	1.0	107.4	26.22	106.7	27.00	106.0	27.76	105.6	28.16	105.3	28.54	101.8	28.12	94.0	25.88
	5.0	4.0	115.5	27.27	114.7	28.05	113.9	28.82	113.5	29.22	110.4	28.41	102.4	26.28	94.6	24.19
	7.0	6.0	120.5	27.96	119.7	28.75	118.2	29.25	114.2	28.21	110.4	27.19	102.4	25.16	94.6	23.17
	9.0	7.8	125.0	28.60	124.2	29.39	118.2	28.13	114.2	27.14	110.4	26.16	102.4	24.22	94.6	22.30
	12.0	10.6	132.1	29.59	126.1	28.39	118.2	26.51	114.2	25.59	110.4	24.66	102.4	22.84	94.6	21.04
	15.0	13.5	133.9	28.54	126.1	26.75	118.2	24.98	114.2	24.11	110.4	23.25	102.4	21.54	94.6	19.85

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ✳306LALHH

● Capacity : 107.5 kW (34HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
107.5 (100%)	-19.3	-20.0	55.8	19.77	55.6	20.49	55.4	21.19	55.4	21.54	55.2	21.89	55.0	22.60	54.8	23.30
	-15.0	-16.0	64.8	21.17	64.5	21.88	64.3	22.59	64.1	22.96	64.0	23.31	63.7	24.02	63.4	24.74
	-12.0	-13.0	71.8	22.23	71.5	22.94	71.2	23.67	71.0	24.02	70.8	24.39	70.5	25.11	70.2	25.84
	-9.0	-10.0	78.9	23.29	78.6	24.01	78.2	24.74	78.0	25.11	77.7	25.48	77.4	26.21	76.9	26.93
	-7.0	-8.0	83.8	23.99	83.5	24.73	82.9	25.47	82.8	25.84	82.5	26.21	82.0	26.94	81.7	27.68
	-5.0	-6.0	88.8	24.71	88.3	25.46	87.8	26.20	87.5	26.57	87.2	26.94	86.8	27.69	84.7	27.69
	-3.0	-4.0	93.8	25.45	93.3	26.19	92.7	26.94	92.3	27.31	92.1	27.68	91.5	28.44	84.9	26.36
	-1.0	-2.0	98.9	26.17	98.2	26.93	97.6	27.68	97.3	28.05	97.0	28.43	92.2	27.30	85.1	25.14
	0.0	-1.0	101.3	26.54	100.7	27.30	100.0	28.05	99.8	28.42	99.4	28.77	92.3	26.66	85.2	24.55
	2.0	1.0	106.5	27.28	105.8	28.04	105.0	28.79	103.2	28.54	99.6	27.50	92.5	25.46	85.4	23.46
	5.0	4.0	114.4	28.39	113.6	29.17	107.5	27.63	103.9	26.67	100.3	25.71	93.1	23.82	86.0	21.95
	7.0	6.0	119.3	29.16	114.7	28.30	107.5	26.45	103.9	25.53	100.3	24.62	93.1	22.81	86.0	21.02
	9.0	7.8	121.8	29.04	114.7	27.23	107.5	25.45	103.9	24.57	100.3	23.69	93.1	21.95	86.0	20.25
	12.0	10.6	121.7	27.37	114.7	25.67	107.5	24.00	103.9	23.17	100.3	22.34	93.1	20.72	86.0	19.11
	15.0	13.5	121.8	25.79	114.7	24.19	107.5	22.62	103.9	21.83	100.3	21.07	93.1	19.54	86.0	18.03
96.8 (90%)	-19.3	-20.0	55.7	20.41	55.4	21.11	55.2	21.81	55.1	22.16	55.1	22.51	54.8	23.22	54.6	23.91
	-15.0	-16.0	64.5	21.90	64.3	22.62	64.0	23.33	63.8	23.68	63.7	24.04	63.4	24.75	63.1	25.46
	-12.0	-13.0	71.5	23.04	71.1	23.76	70.8	24.48	70.6	24.85	70.5	25.19	70.1	25.91	69.7	26.64
	-9.0	-10.0	78.5	24.19	78.1	24.92	77.7	25.64	77.4	26.01	77.4	26.37	76.9	27.10	76.0	27.51
	-7.0	-8.0	83.2	24.96	82.8	25.70	82.4	26.42	82.2	26.79	82.0	27.16	81.4	27.90	76.0	26.12
	-5.0	-6.0	88.1	25.74	87.6	26.48	87.1	27.22	86.8	27.58	86.6	27.95	82.6	26.97	76.3	24.86
	-3.0	-4.0	93.0	26.53	92.3	27.27	91.8	28.02	91.5	28.39	89.2	27.72	82.8	25.68	76.4	23.67
	-1.0	-2.0	97.8	27.32	97.3	28.07	95.8	28.39	92.5	27.40	89.4	26.43	82.9	24.49	76.6	22.58
	0.0	-1.0	100.3	27.73	99.7	28.47	95.8	27.73	92.7	26.77	89.4	25.82	83.1	23.93	76.7	22.06
	2.0	1.0	105.3	28.53	102.5	28.33	96.1	26.48	92.9	25.57	89.7	24.65	83.2	22.86	76.9	21.09
	5.0	4.0	109.6	28.22	103.2	26.48	96.7	24.77	93.4	23.91	90.3	23.06	83.8	21.40	77.4	19.75
	7.0	6.0	109.6	27.00	103.1	25.34	96.7	23.70	93.5	22.89	90.3	22.09	83.8	20.50	77.4	18.92
	9.0	7.8	109.6	25.98	103.2	24.39	96.7	22.82	93.5	22.04	90.3	21.26	83.8	19.74	77.4	18.23
	12.0	10.6	109.6	24.49	103.1	23.00	96.7	21.52	93.5	20.79	90.3	20.07	83.8	18.63	77.4	17.21
	15.0	13.5	109.6	23.08	103.2	21.68	96.7	20.30	93.5	19.62	90.3	18.94	83.8	17.58	77.4	16.26
86.0 (80%)	-19.3	-20.0	55.4	21.19	55.2	21.88	55.0	22.58	54.9	22.94	54.8	23.28	54.5	23.98	54.4	24.67
	-15.0	-16.0	64.2	22.82	64.0	23.52	63.7	24.23	63.5	24.59	63.4	24.93	63.1	25.64	62.7	26.36
	-12.0	-13.0	71.0	24.06	70.6	24.77	70.2	25.48	70.2	25.84	69.9	26.20	69.6	26.91	67.1	26.46
	-9.0	-10.0	77.9	25.31	77.4	26.02	77.1	26.76	76.9	27.11	76.6	27.47	73.1	26.47	67.4	24.41
	-7.0	-8.0	82.5	26.15	82.1	26.88	81.7	27.61	81.4	27.96	78.9	27.12	73.2	25.15	67.6	23.20
	-5.0	-6.0	87.2	27.01	86.8	27.74	84.7	27.69	81.9	26.74	79.1	25.79	73.4	23.92	67.8	22.07
	-3.0	-4.0	92.0	27.88	90.6	28.18	84.9	26.36	82.0	25.45	79.3	24.57	73.6	22.78	67.9	21.04
	-1.0	-2.0	96.4	28.61	90.8	26.86	85.1	25.14	82.3	24.28	79.4	23.42	73.8	21.74	68.1	20.07
	0.0	-1.0	96.6	27.95	90.9	26.24	85.2	24.55	82.4	23.71	79.5	22.89	73.8	21.24	68.2	19.63
	2.0	1.0	96.9	26.68	91.1	25.06	85.4	23.46	82.5	22.66	79.8	21.88	74.0	20.32	68.4	18.76
	5.0	4.0	97.5	24.95	91.7	23.44	86.0	21.95	83.1	21.21	80.3	20.48	74.5	19.01	68.8	17.58
	7.0	6.0	97.5	23.88	91.7	22.45	86.0	21.02	83.1	20.32	80.3	19.63	74.5	18.23	68.8	16.86
	9.0	7.8	97.5	22.99	91.7	21.60	86.0	20.25	83.1	19.57	80.3	18.90	74.5	17.56	68.8	16.24
	12.0	10.6	97.5	21.69	91.7	20.40	85.9	19.11	83.1	18.48	80.3	17.84	74.5	16.59	68.8	15.35
	15.0	13.5	97.5	20.45	91.7	19.23	85.9	18.03	83.1	17.43	80.3	16.84	74.5	15.67	68.8	14.52
75.3 (70%)	-19.3	-20.0	55.1	22.17	54.9	22.87	54.7	23.56	54.7	23.91	54.5	24.26	54.4	24.96	54.1	25.65
	-15.0	-16.0	63.7	23.96	63.4	24.67	63.2	25.37	63.0	25.73	62.9	26.07	62.7	26.78	58.5	25.17
	-12.0	-13.0	70.4	25.34	70.0	26.04	69.7	26.75	69.5	27.11	68.6	27.01	63.7	25.06	58.8	23.13
	-9.0	-10.0	77.1	26.73	76.6	27.44	73.8	26.74	71.3	25.83	68.8	24.93	63.9	23.15	59.0	21.37
	-7.0	-8.0	81.7	27.65	78.9	27.12	73.9	25.38	71.4	24.52	69.1	23.69	64.0	21.99	59.1	20.32
	-5.0	-6.0	84.1	27.45	79.1	25.79	74.1	24.15	71.7	23.35	69.1	22.53	64.3	20.93	59.3	19.34
	-3.0	-4.0	84.2	26.14	79.3	24.57	74.3	23.01	71.7	22.24	69.3	21.47	64.3	19.95	59.4	18.44
	-1.0	-2.0	84.4	24.92	79.4	23.42	74.5	21.95	72.0	21.21	69.5	20.49	64.5	19.04	59.6	17.61
	0.0	-1.0	84.6	24.34	79.5	22.89	74.6	21.45	72.1	20.74	69.6	20.03	64.5	18.61	59.6	17.22
	2.0	1.0	84.6	23.26	79.8	21.88	74.7	20.50	72.2	19.83	69.7	19.14	64.8	17.80	59.8	16.47
	5.0	4.0	85.2	21.77	80.3	20.48	75.2	19.20	72.6	18.57	70.2	17.94	65.2	16.69	60.2	15.44
	7.0	6.0	85.2	20.85	80.3	19.63	75.2	18.40	72.6	17.80	70.2	17.20	65.2	16.00	60.2	14.83
	9.0	7.8	85.2	20.08	80.3	18.90	75.2	17.72	72.6	17.15	70.2	16.57	65.2	15.43	60.2	14.30
	12.0	10.6	85.2	18.95	80.3	17.84	75.2	16.75	72.6	16.21	70.2	15.66	65.2	14.59	60.2	13.53
	15.0	13.5	85.2	17.89	80.3	16.84	75.2	15.81	72.6	15.31	70.2	14.80	65.2	13.78	60.2	12.79
64.5 (60%)	-19.3	-20.0	54.8	23.48	54.5	24.17	54.4	24.86	54.2	25.21	54.1	25.55	53.7	26.16	49.9	24.36
	-15.0	-16.0	63.1	25.48	62.9	26.18	62.5	26.81	60.6	26.07	58.5	25.17	54.5	23.39	50.2	21.60
	-12.0	-13.0	69.6	27.01	67.1	26.46	63.1	24.78	60.9	23.96	58.8	23.13	54.5	21.50	50.4	19.88
	-9.0	-10.0	71.7	25.96	67.4	24.42	63.2	22.89	61.1	22.12	59.0	21.37	54.8	19.87	50.6	18.38
	-7.0	-8.0	71.8	24.66	67.6	23.20	63.4	21.74	61.2	21.03	59.1	20.32	54.9	18.89	50.7	17.48
	-5.0	-6.0	72.0	23.46	67.8	22.07	63.5	20.70	61.4	20.01	59.3	19.34	55.0	17.99	50.8	16.67
	-3.0	-4.0	72.2	22.34	67.9	21.04	63.6	19.73	61.4	19.09	59.4	18.44	55.2	17.16	50.9	15.89
	-1.0	-2.0	72.3	21.32	68.1	20.07	63.8	18.83	61.7	18.23	59.6	17.61	55.3	16.40	51.1	15.19
	0.0	-1.0	72.4	20.84	68.2	19.62	63.9	18.41	61.7	17.82	59.6	17.22	55.4	16.04	51.1	14.86
	2.0	1.0	72.6	19.92	68.4	18.76	64.1	17.61	61.9	17.03	59.8	16.47	55.5	15.35	51.1	14.23
	5.0	4.0	73.1	18.66	68.8	17.58	64.5	16.51	62.3	15.98	60.2	15.44	55.9	14.41	51.6	13.36
	7.0	6.0	73.1	17.89	68.8	16.86	64.5	15.83	62.3	15.32	60.2	14.83	55.9	13.82	51.6	12.83
	9.0	7.8	73.1	17.23	68.8	16.24	64.5	15.27	62.3	14.78	60.2	14.30	55.9	13.33	51.6	12.38
	12.0	10.6	73.1	16.28	68.8	15.35	64.5	14.44	62.3	13.98	60.2	13.53	55.9	12.62	51.6	11.73
	15.0	13.5	73.1	15.38	68.7	14.52	64.5	13.64	62.3	13.22	60.2	12.79	55.9	11.94	51.6	11.10
53.8 (50%)	-19.3	-20.0	54.2	25.28	54.0	25.96	52.0	25.36	50.2	24.52	48.5	23.69	45.1	22.02	41.6	20.37
	-15.0	-16.0	59.3	25.47	55.7	23.98	52.3	22.49	50.5	21.76	48.8	21.02	45.4	19.56	41.8	18.10
	-12.0	-13.0	59.5	23.41	55.9	22.05	52.5	20.69	50.7	20.01	49.0	19.34	45.4	18.01	42.0	16.68
	-9.0	-10.0	59.7	21.61	56.2	20.36	52.7	19.12	50.9	18.50	49.2	17.89	45.6	16.67	42.1	15.45
	-7.0	-8.0	59.8	20.55	56.3	19.36	52.8	18.18	51.0	17.61	49.3	17.02	45.7	15.86	42.2	14.70
	-5.0	-6.0	60.0	19.57	56.4	18.43	52.8	17.32	51.1	16.77	49.4	16.22	45.9	15.12	42.3	14.02
	-3.0	-4.0	60.2	18.66	56.6	17.58	53.1	16.53	51.2	16.01	49.4	15.47	45.9	14.44	42.4	13.41
	-1.0	-2.0	60.2	17.81	56.7	16.81	53.1	15.79	51.4	15.30	49.7	14.79	46.1	13.80	42.5	12.82
	0.0	-1.0	60.3	17.41	56.8	16.43	53.2	15.44	51.4	14.95	49.7	14.47	46.1	13.50	42.5	12.55
	2.0	1.0	60.5	16.66	57.0	15.72	53.3	14.78	51.6	14.32	49.8	13.86	46.2	12.93	42.7	12.02
	5.0	4.0	60.9	15.63	57.3	14.75	53.7	13.87	51.9	13.45	50.2	13.02	46.5	12.16	43.0	11.30
	7.0	6.0	60.9	14.99	57.3	14.15	53.7	13.32	51.9	12.91	50.2	12.50	46.5	11.67	43.0	10.87
	9.0	7.8	60.9	14.46	57.3	13.65	53.7	12.86	51.9	12.46	50.2	12.06	46.5	11.27	43.0	10.50
	12.0	10.6	60.9	13.67	57.3	12.93	53.7	12.18	51.9	11.81	50.2	11.44	46.5	10.70	43.0	9.96
	15.0	13.5	60.9	12.93	57.3	12.24	53.7	11.52	51.9	11.18	50.2	10.83	46.5	10.13	43.0	9.45

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ*324LALHH

● Capacity : 115.0 kW (36HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
172.5 (150%)	-19.3	-20.0	60.3	19.36	60.0	20.13	59.9	20.88	59.7	21.28	59.7	21.66	59.4	22.43	59.4	23.20
	-15.0	-16.0	70.2	20.49	70.0	21.26	69.7	22.06	69.5	22.44	69.4	22.83	69.1	23.61	68.9	24.41
	-12.0	-13.0	78.0	21.34	77.7	22.14	77.4	22.91	77.1	23.31	77.1	23.71	76.6	24.51	76.3	25.31
	-9.0	-10.0	86.1	22.17	85.6	22.99	85.3	23.79	85.1	24.19	84.8	24.59	84.5	25.39	84.0	26.21
	-7.0	-8.0	91.6	22.74	91.2	23.54	90.7	24.37	90.5	24.77	90.2	25.19	89.7	25.99	89.4	26.81
	-5.0	-6.0	97.2	23.30	96.7	24.12	96.1	24.94	95.9	25.34	95.6	25.77	95.1	26.59	94.5	27.41
	-3.0	-4.0	103.0	23.87	102.3	24.69	101.8	25.52	101.5	25.94	101.2	26.34	100.7	27.19	100.1	28.01
	-1.0	-2.0	108.7	24.42	108.2	25.27	107.4	26.10	107.1	26.52	106.8	26.94	106.1	27.77	105.5	28.62
	0.0	-1.0	111.8	24.70	111.0	25.55	110.4	26.39	110.0	26.82	109.7	27.22	108.9	28.07	108.3	28.92
	2.0	1.0	117.7	25.28	116.9	26.12	116.1	26.97	115.8	27.40	115.3	27.82	114.7	28.67	114.0	29.52
	5.0	4.0	126.9	26.13	126.1	26.98	125.3	27.85	124.8	28.28	124.3	28.72	123.5	29.57	122.7	30.45
	7.0	6.0	132.8	26.70	131.8	27.56	131.0	28.43	130.4	28.88	129.9	29.30	129.1	30.18	128.1	31.05
	9.0	7.8	137.9	27.21	136.9	28.08	136.1	28.98	135.6	29.40	135.0	29.85	134.0	30.73	133.0	31.62
	12.0	10.6	146.2	28.01	145.1	28.91	144.0	29.81	143.5	30.26	143.0	30.70	141.7	31.60	138.0	31.48
	15.0	13.5	154.6	28.86	153.5	29.76	152.3	30.68	151.7	31.13	151.2	31.58	149.5	32.32	138.0	29.67
161.0 (140%)	-19.3	-20.0	60.2	19.66	60.0	20.41	59.7	21.18	59.7	21.56	59.7	21.95	59.4	22.73	59.1	23.48
	-15.0	-16.0	70.0	20.84	69.9	21.61	69.7	22.41	69.4	22.79	69.4	23.18	69.1	23.96	68.8	24.75
	-12.0	-13.0	77.9	21.74	77.6	22.51	77.1	23.31	77.1	23.71	76.8	24.11	76.6	24.91	76.3	25.68
	-9.0	-10.0	85.9	22.62	85.6	23.42	85.1	24.21	84.8	24.61	84.6	25.03	84.2	25.83	83.7	26.63
	-7.0	-8.0	91.3	23.22	91.0	24.02	90.4	24.84	90.2	25.24	89.9	25.64	89.4	26.46	89.1	27.26
	-5.0	-6.0	96.9	23.80	96.4	24.62	95.8	25.44	95.6	25.84	95.3	26.26	94.8	27.09	94.2	27.89
	-3.0	-4.0	102.6	24.40	102.0	25.22	101.5	26.04	101.2	26.47	100.9	26.87	100.2	27.71	99.6	28.54
	-1.0	-2.0	108.4	25.00	107.7	25.82	107.1	26.67	106.8	27.07	106.3	27.49	105.8	28.34	105.0	29.17
	0.0	-1.0	111.3	25.30	110.5	26.12	109.9	26.97	109.6	27.39	109.2	27.82	108.6	28.64	107.8	29.49
	2.0	1.0	117.1	25.90	116.4	26.75	115.6	27.59	115.3	28.02	114.8	28.44	114.0	29.29	113.4	30.14
	5.0	4.0	126.4	26.80	125.4	27.65	124.6	28.52	124.2	28.95	123.7	29.37	122.9	30.25	121.9	31.10
	7.0	6.0	132.0	27.41	131.0	28.28	130.2	29.15	129.7	29.58	129.2	30.02	128.3	30.87	127.3	31.75
	9.0	7.8	137.1	27.96	136.1	28.83	135.3	29.70	134.8	30.15	134.2	30.58	133.2	31.47	128.6	31.04
	12.0	10.6	145.1	28.83	144.1	29.71	143.0	30.60	142.5	31.05	141.9	31.48	139.5	31.86	128.6	29.25
	15.0	13.5	153.6	29.74	152.3	30.63	151.2	31.53	150.6	31.98	149.9	32.42	139.5	30.02	128.6	27.57
149.5 (130%)	-19.3	-20.0	60.2	19.98	60.0	20.76	59.7	21.53	59.7	21.90	59.6	22.28	59.4	23.05	59.1	23.83
	-15.0	-16.0	70.0	21.24	69.7	22.03	69.4	22.81	69.4	23.18	69.1	23.58	68.9	24.36	68.6	25.13
	-12.0	-13.0	77.7	22.19	77.4	22.96	77.1	23.76	76.8	24.16	76.6	24.56	76.3	25.33	76.0	26.13
	-9.0	-10.0	85.6	23.12	85.3	23.91	84.8	24.71	84.5	25.11	84.3	25.51	84.0	26.33	83.5	27.13
	-7.0	-8.0	91.0	23.74	90.7	24.56	90.2	25.36	89.9	25.76	89.6	26.16	89.1	26.98	88.6	27.79
	-5.0	-6.0	96.6	24.37	96.1	25.19	95.6	26.01	95.3	26.41	95.0	26.82	94.5	27.64	94.0	28.46
	-3.0	-4.0	102.2	25.02	101.5	25.84	101.0	26.66	100.7	27.07	100.4	27.49	99.9	28.31	99.3	29.14
	-1.0	-2.0	107.9	25.65	107.1	26.47	106.6	27.32	106.3	27.72	105.8	28.14	105.3	28.97	104.5	29.81
	0.0	-1.0	110.7	25.97	110.0	26.80	109.4	27.64	109.1	28.04	108.6	28.47	108.1	29.31	107.3	30.14
	2.0	1.0	116.4	26.60	115.8	27.45	115.0	28.29	114.5	28.72	114.2	29.14	113.5	29.97	112.7	30.82
	5.0	4.0	125.6	27.58	124.6	28.43	123.8	29.28	123.5	29.70	123.0	30.14	122.2	30.99	119.6	31.16
	7.0	6.0	131.2	28.23	130.2	29.08	129.4	29.95	128.9	30.38	128.3	30.82	127.5	31.67	119.6	29.82
	9.0	7.8	136.1	28.81	135.3	29.68	134.3	30.55	133.7	31.00	133.2	31.43	129.6	31.24	119.6	28.69
	12.0	10.6	144.1	29.74	143.0	30.63	141.9	31.50	141.4	31.95	139.5	31.86	129.6	29.43	119.6	27.05
	15.0	13.5	152.2	30.71	151.0	31.61	149.5	32.32	144.4	31.17	139.5	30.02	129.6	27.74	119.6	25.50
138.0 (120%)	-19.3	-20.0	60.0	20.38	59.9	21.15	59.7	21.93	59.4	22.30	59.4	22.68	59.1	23.45	59.1	24.20
	-15.0	-16.0	69.7	21.71	69.5	22.48	69.2	23.26	69.1	23.66	68.9	24.05	68.6	24.83	68.3	25.60
	-12.0	-13.0	77.4	22.71	77.1	23.49	76.8	24.28	76.6	24.68	76.5	25.06	76.0	25.86	75.7	26.65
	-9.0	-10.0	85.3	23.69	84.8	24.49	84.5	25.29	84.3	25.69	84.0	26.11	83.7	26.91	83.2	27.70
	-7.0	-8.0	90.7	24.37	90.2	25.17	89.7	25.99	89.6	26.39	89.4	26.79	88.8	27.59	88.3	28.41
	-5.0	-6.0	96.1	25.04	95.6	25.86	95.0	26.66	94.8	27.06	94.5	27.49	94.0	28.29	93.4	29.11
	-3.0	-4.0	101.7	25.72	101.2	26.54	100.4	27.36	100.2	27.76	99.9	28.19	99.3	29.01	98.8	29.81
	-1.0	-2.0	107.4	26.40	106.6	27.22	106.0	28.04	105.6	28.47	105.3	28.89	104.7	29.71	103.9	30.54
	0.0	-1.0	110.2	26.74	109.4	27.57	108.6	28.39	108.4	28.82	108.1	29.24	107.3	30.06	106.7	30.89
	2.0	1.0	115.8	27.42	115.0	28.27	114.3	29.10	114.0	29.52	113.5	29.94	112.7	30.79	109.7	30.64
	5.0	4.0	124.6	28.47	123.8	29.32	123.0	30.17	122.5	30.59	122.1	31.02	119.6	31.16	110.4	28.65
	7.0	6.0	130.2	29.15	129.2	30.02	128.3	30.87	127.8	31.30	127.3	31.74	119.6	29.82	110.4	27.42
	9.0	7.8	135.1	29.80	134.0	30.65	133.2	31.52	132.7	31.95	128.8	31.04	119.6	28.69	110.4	26.39
	12.0	10.6	142.7	30.78	141.7	31.68	138.0	31.48	133.4	30.38	128.8	29.25	119.6	27.05	110.4	24.90
	15.0	13.5	150.7	31.84	147.2	31.79	138.0	29.67	133.4	28.60	128.8	27.57	119.6	25.50	110.4	23.47
126.5 (110%)	-19.3	-20.0	59.9	20.86	59.7	21.63	59.4	22.38	59.4	22.75	59.4	23.15	59.1	23.90	58.8	24.67
	-15.0	-16.0	69.7	22.26	69.4	23.03	69.1	23.81	68.9	24.20	68.8	24.58	68.6	25.35	68.3	26.15
	-12.0	-13.0	77.1	23.31	76.8	24.11	76.6	24.88	76.3	25.28	76.3	25.68	75.8	26.45	75.5	27.25
	-9.0	-10.0	85.0	24.39	84.5	25.18	84.2	25.98	84.0	26.38	83.7	26.78	83.2	27.58	82.9	28.38
	-7.0	-8.0	90.2	25.09	89.9	25.91	89.4	26.71	89.1	27.11	88.8	27.51	88.3	28.31	88.0	29.11
	-5.0	-6.0	95.6	25.82	95.1	26.64	94.5	27.44	94.3	27.84	94.0	28.26	93.5	29.06	92.9	29.88
	-3.0	-4.0	101.2	26.54	100.4	27.36	99.9	28.19	99.6	28.59	99.3	28.99	98.8	29.81	98.0	30.63
	-1.0	-2.0	106.6	27.27	106.0	28.09	105.3	28.92	105.0	29.34	104.7	29.74	103.9	30.56	100.2	29.98
	0.0	-1.0	109.4	27.64	108.6	28.47	108.1	29.29	107.6	29.71	107.3	30.12	106.5	30.96	100.2	29.30
	2.0	1.0	114.8	28.37	114.2	29.22	113.4	30.04	113.0	30.47	112.7	30.89	108.9	30.42	100.5	27.99
	5.0	4.0	123.5	29.50	122.7	30.35	121.9	31.19	121.4	31.62	118.1	30.73	109.6	28.43	101.2	26.17
	7.0	6.0	128.9	30.25	128.1	31.10	126.5	31.65	122.2	30.52	118.1	29.42	109.6	27.22	101.2	25.07
	9.0	7.8	133.7	30.95	132.9	31.80	126.5	30.44	122.2	29.37	118.1	28.31	109.6	26.21	101.2	24.13
	12.0	10.6	141.2	32.01	134.9	30.73	126.5	28.70	122.2	27.70	118.1	26.70	109.6	24.73	101.2	22.78
	15.0	13.5	143.2	30.90	134.9	28.95	126.5	27.04	122.2	26.10	118.1	25.17	109.6	23.32	101.2	21.49

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ*324LALHH

● Capacity : 115.0 kW (36HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
115.0 (100%)	-19.3	-20.0	59.7	21.40	59.6	22.18	59.4	22.93	59.4	23.32	59.1	23.70	58.9	24.47	58.8	25.22
	-15.0	-16.0	69.4	22.91	69.1	23.68	68.9	24.45	68.6	24.85	68.6	25.23	68.3	26.00	68.0	26.79
	-12.0	-13.0	76.9	24.06	76.6	24.83	76.3	25.63	76.0	26.00	75.8	26.40	75.5	27.18	75.2	27.97
	-9.0	-10.0	84.5	25.21	84.2	25.98	83.7	26.78	83.5	27.18	83.2	27.58	82.9	28.37	82.4	29.15
	-7.0	-8.0	89.7	25.96	89.4	26.76	88.8	27.56	88.6	27.96	88.3	28.36	87.8	29.16	87.5	29.97
	-5.0	-6.0	95.0	26.74	94.5	27.56	94.0	28.36	93.7	28.76	93.4	29.16	92.9	29.98	90.7	29.93
	-3.0	-4.0	100.4	27.54	99.9	28.34	99.3	29.16	98.8	29.56	98.6	29.96	98.0	30.78	90.8	28.49
	-1.0	-2.0	105.8	28.32	105.0	29.14	104.5	29.96	104.2	30.36	103.9	30.76	98.7	29.51	91.0	27.18
	0.0	-1.0	108.4	28.72	107.8	29.54	107.0	30.36	106.8	30.76	106.3	31.12	98.7	28.83	91.2	26.55
	2.0	1.0	114.0	29.52	113.2	30.34	112.4	31.16	110.4	30.87	106.6	29.74	98.9	27.54	91.3	25.38
	5.0	4.0	122.4	30.72	121.6	31.57	115.0	29.90	111.2	28.85	107.3	27.82	99.7	25.77	92.0	23.75
	7.0	6.0	127.6	31.55	122.7	30.62	115.0	28.62	111.2	27.62	107.3	26.64	99.7	24.69	92.0	22.74
	9.0	7.8	130.3	31.42	122.7	29.47	115.0	27.54	111.2	26.59	107.3	25.64	99.7	23.76	92.0	21.91
	12.0	10.6	130.3	29.63	122.7	27.78	115.0	25.98	111.2	25.08	107.3	24.18	99.7	22.43	92.0	20.68
	15.0	13.5	130.3	27.92	122.7	26.19	115.0	24.49	111.2	23.64	107.3	22.82	99.7	21.15	92.0	19.52
103.5 (90%)	-19.3	-20.0	59.7	22.10	59.4	22.85	59.1	23.62	59.1	23.99	59.1	24.37	58.8	25.14	58.5	25.89
	-15.0	-16.0	69.1	23.70	68.9	24.48	68.6	25.25	68.3	25.64	68.3	26.02	68.0	26.79	67.7	27.57
	-12.0	-13.0	76.6	24.93	76.1	25.72	75.8	26.50	75.7	26.90	75.5	27.27	75.2	28.05	74.7	28.84
	-9.0	-10.0	84.0	26.18	83.7	26.98	83.2	27.75	82.9	28.15	82.9	28.55	82.4	29.34	81.3	29.72
	-7.0	-8.0	89.1	27.01	88.6	27.81	88.3	28.60	88.0	29.00	87.8	29.40	87.2	30.20	81.3	28.23
	-5.0	-6.0	94.3	27.86	93.7	28.66	93.2	29.46	92.9	29.85	92.7	30.25	88.4	29.15	81.6	26.87
	-3.0	-4.0	99.6	28.71	98.8	29.51	98.3	30.33	98.0	30.73	95.4	29.97	88.5	27.76	81.8	25.60
	-1.0	-2.0	104.7	29.56	104.2	30.38	102.5	30.69	98.9	29.63	95.6	28.58	88.7	26.48	82.0	24.42
	0.0	-1.0	107.3	30.01	106.7	30.81	102.5	29.98	99.2	28.95	95.6	27.92	88.9	25.87	82.1	23.86
	2.0	1.0	112.7	30.87	109.7	30.64	102.8	28.64	99.4	27.66	95.9	26.66	89.0	24.73	82.3	22.81
	5.0	4.0	117.3	30.53	110.4	28.65	103.5	26.80	99.9	25.87	96.6	24.95	89.7	23.15	82.8	21.37
	7.0	6.0	117.3	29.22	110.4	27.42	103.5	25.64	100.0	24.77	96.6	23.91	89.7	22.19	82.8	20.48
	9.0	7.8	117.3	28.11	110.4	26.39	103.5	24.69	100.0	23.86	96.6	23.01	89.7	21.36	82.8	19.73
	12.0	10.6	117.3	26.50	110.4	24.90	103.5	23.30	100.0	22.50	96.6	21.73	89.7	20.17	82.8	18.63
	15.0	13.5	117.3	24.99	110.4	23.47	103.5	21.97	100.0	21.24	96.6	20.50	89.7	19.04	82.8	17.60
92.0 (80%)	-19.3	-20.0	59.4	22.94	59.1	23.69	58.9	24.44	58.8	24.84	58.8	25.21	58.5	25.96	58.3	26.71
	-15.0	-16.0	68.8	24.70	68.6	25.47	68.3	26.24	68.0	26.62	68.0	26.99	67.7	27.76	67.2	28.54
	-12.0	-13.0	76.0	26.05	75.7	26.82	75.2	27.59	75.2	27.97	74.9	28.37	74.6	29.14	71.8	28.57
	-9.0	-10.0	83.4	27.40	82.9	28.17	82.6	28.97	82.4	29.35	82.1	29.74	78.2	28.60	72.1	26.37
	-7.0	-8.0	88.3	28.30	88.0	29.10	87.5	29.89	87.2	30.27	84.4	29.31	78.3	27.18	72.3	25.07
	-5.0	-6.0	93.4	29.23	92.9	30.03	90.7	29.93	87.7	28.90	84.6	27.87	78.5	25.86	72.6	23.86
	-3.0	-4.0	98.5	30.18	96.9	30.47	90.8	28.49	87.7	27.51	84.9	26.56	78.7	24.63	72.6	22.75
	-1.0	-2.0	103.2	30.93	97.1	29.05	91.0	27.18	88.0	26.25	84.9	25.32	79.0	23.51	72.9	21.71
	0.0	-1.0	103.3	30.23	97.2	28.37	91.2	26.55	88.2	25.64	85.1	24.76	79.0	22.98	72.9	21.23
	2.0	1.0	103.5	28.86	97.4	27.11	91.3	25.38	88.2	24.51	85.4	23.66	79.2	21.98	73.1	20.30
	5.0	4.0	104.3	27.00	98.1	25.37	92.0	23.75	88.9	22.95	85.9	22.15	79.7	20.57	73.6	19.02
	7.0	6.0	104.3	25.84	98.1	24.29	92.0	22.74	88.9	21.99	85.9	21.24	79.7	19.73	73.6	18.24
	9.0	7.8	104.3	24.88	98.1	23.38	92.0	21.91	88.9	21.18	85.9	20.46	79.7	19.01	73.6	17.58
	12.0	10.6	104.3	23.48	98.1	22.08	92.0	20.68	88.9	20.00	85.9	19.32	79.7	17.95	73.6	16.62
	15.0	13.5	104.3	22.14	98.1	20.82	92.0	19.52	88.9	18.87	85.9	18.24	79.7	16.97	73.6	15.72
80.5 (70%)	-19.3	-20.0	59.1	24.01	58.8	24.76	58.6	25.51	58.6	25.90	58.5	26.28	58.3	27.03	58.0	27.78
	-15.0	-16.0	68.3	25.94	68.0	26.71	67.8	27.48	67.5	27.86	67.5	28.23	67.2	29.00	62.6	27.16
	-12.0	-13.0	75.5	27.44	75.0	28.19	74.7	28.96	74.4	29.36	73.4	29.17	68.2	27.06	62.9	24.98
	-9.0	-10.0	82.6	28.94	82.1	29.71	79.0	28.88	76.2	27.90	73.6	26.94	68.3	25.01	63.1	23.08
	-7.0	-8.0	87.5	29.94	84.4	29.31	79.0	27.43	76.4	26.50	73.9	25.60	68.5	23.77	63.2	21.96
	-5.0	-6.0	90.0	29.66	84.6	27.87	79.3	26.11	76.7	25.24	73.9	24.36	68.8	22.63	63.4	20.90
	-3.0	-4.0	90.0	28.26	84.9	26.56	79.5	24.88	76.7	24.05	74.1	23.22	68.8	21.57	63.6	19.94
	-1.0	-2.0	90.3	26.95	84.9	25.32	79.7	23.74	77.0	22.94	74.4	22.16	69.0	20.59	63.7	19.05
	0.0	-1.0	90.5	26.32	85.1	24.76	79.8	23.19	77.2	22.43	74.4	21.66	69.0	20.13	63.7	18.63
	2.0	1.0	90.5	25.16	85.4	23.66	80.0	22.18	77.2	21.45	74.6	20.70	69.3	19.25	63.9	17.82
	5.0	4.0	91.2	23.55	85.9	22.15	80.5	20.77	77.7	20.09	75.1	19.41	69.8	18.06	64.4	16.71
	7.0	6.0	91.2	22.56	85.9	21.24	80.5	19.91	77.7	19.26	75.1	18.61	69.8	17.31	64.4	16.04
	9.0	7.8	91.2	21.73	85.9	20.46	80.5	19.18	77.7	18.56	75.1	17.93	69.8	16.70	64.4	15.48
	12.0	10.6	91.2	20.52	85.9	19.32	80.5	18.13	77.7	17.55	75.1	16.95	69.8	15.80	64.4	14.65
	15.0	13.5	91.2	19.37	85.9	18.24	80.5	17.12	77.7	16.57	75.1	16.02	69.8	14.92	64.4	13.85
69.0 (60%)	-19.3	-20.0	58.8	25.43	58.5	26.18	58.3	26.92	58.2	27.30	58.0	27.67	57.5	28.26	53.4	26.27
	-15.0	-16.0	67.7	27.60	67.5	28.35	67.0	28.98	64.9	28.14	62.6	27.16	58.3	25.25	53.7	23.31
	-12.0	-13.0	74.6	29.25	71.8	28.57	67.5	26.76	65.2	25.88	62.9	24.98	58.3	23.22	53.9	21.48
	-9.0	-10.0	76.7	28.05	72.1	26.39	67.7	24.73	65.4	23.90	63.1	23.08	58.6	21.47	54.2	19.86
	-7.0	-8.0	76.9	26.65	72.3	25.07	67.8	23.49	65.5	22.72	63.2	21.96	58.8	20.41	54.2	18.90
	-5.0	-6.0	77.0	25.36	72.6	23.86	68.0	22.38	65.7	21.63	63.4	20.90	58.8	19.45	54.4	18.02
	-3.0	-4.0	77.2	24.15	72.6	22.75	68.0	21.34	65.7	20.64	63.6	19.94	59.1	18.56	54.5	17.18
	-1.0	-2.0	77.4	23.06	72.9	21.71	68.3	20.36	66.0	19.71	63.7	19.05	59.1	17.73	54.7	16.43
	0.0	-1.0	77.5	22.54	72.9	21.21	68.3	19.91	66.0	19.28	63.7	18.63	59.3	17.35	54.7	16.07
	2.0	1.0	77.7	21.55	73.1	20.30	68.5	19.05	66.2	18.42	63.9	17.82	59.3	16.60	54.7	15.39
	5.0	4.0	78.2	20.19	73.6	19.02	69.0	17.86	66.7	17.29	64.4	16.71	59.8	15.59	55.2	14.46
	7.0	6.0	78.2	19.36	73.6	18.24	69.0	17.13	66.7	16.58	64.4	16.04	59.8	14.96	55.2	13.88
	9.0	7.8	78.2	18.65	73.6	17.58	69.0	16.53	66.7	16.00	64.4	15.48	59.8	14.43	55.2	13.40
	12.0	10.6	78.2	17.62	73.6	16.62	69.0	15.63	66.7	15.13	64.4	14.65	59.8	13.67	55.2	12.70
	15.0	13.5	78.2	16.65	73.6	15.72	69.0	14.77	66.7	14.32	64.4	13.85	59.8	12.92	55.2	12.02
57.5 (50%)	-19.3	-20.0	58.2	27.39	58.0	28.13	55.7	27.35	53.7	26.44	51.9	25.56	48.3	23.75	44.5	21.98
	-15.0	-16.0	63.4	27.49	59.6	25.88	56.0	24.27	54.0	23.49	52.2	22.69	48.6	21.12	44.7	19.54
	-12.0	-13.0	63.7	25.28	59.8	23.82	56.2	22.34	54.2	21.61	52.4	20.88	48.6	19.45	45.0	18.02
	-9.0	-10.0	63.9	23.35	60.1	22.00	56.3	20.66	54.5	19.99	52.7	19.33	48.8	18.01	45.0	16.70
	-7.0	-8.0	63.9	22.21	60.3	20.93	56.5	19.65	54.5	19.03	52.7	18.40	48.9	17.14	45.2	15.89
	-5.0	-6.0	64.2	21.15	60.3	19.92	56.5	18.72	54.7	18.12	52.9	17.54	49.1	16.34	45.3	15.16
	-3.0	-4.0	64.4	20.17	60.6	19.01	56.8	17.88	54.7	17.31	52.9	16.73	49.1	15.61	45.3	14.50
	-1.0	-2.0	64.4	19.26	60.6	18.18	56.8	17.08	55.0	16.55	53.2	16.00	49.3	14.92	45.5	13.87
	0.0	-1.0	64.5	18.83	60.8	17.77	57.0	16.70	55.0	16.17	53.2	15.65	49.3	14.60	45.5	13.57
	2.0	1.0	64.7	18.02	60.9	17.00	57.0	15.99	55.2	15.49	53.2	14.99	49.4	13.99	45.5	13.01
	5.0	4.0	65.2	16.91	61.3	15.96	57.5	15.01	55.5	14.56	53.7	14.09	49.8	13.16	46.0	12.23
	7.0	6.0	65.2	16.23	61.3	15.31	57.5	14.41	55.5	13.98	53.7	13.53	49.8	12.63	46.0	11.76
	9.0	7.8	65.2	15.65	61.3	14.78	57.5	13.91	55.5	13.48	53.7	13.05	49.8	12.20	46.0	11.36
	12.0	10.6	65.2	14.80	61.3	14.00	57.5	13.18	55.5	12.78	53.7	12.38	49.8	11.58	46.0	10.78
	15.0	13.5	65.2	14.00	61.3	13.25	57.5	12.47	55.5	12.10	53.7	11.72	49.8	10.97	46.0	10.23

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ*360LALHH

● Capacity : 127.5 kW (40HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
191.3 (150%)	-19.3	-20.0	66.8	21.78	66.6	22.65	66.5	23.50	66.3	23.94	66.2	24.36	66.0	25.23	65.9	26.10
	-15.0	-16.0	77.9	23.05	77.6	23.92	77.3	24.81	77.1	25.24	77.0	25.69	76.7	26.56	76.4	27.45
	-12.0	-13.0	86.4	24.00	86.1	24.90	85.8	25.77	85.5	26.22	85.5	26.67	85.0	27.57	84.7	28.46
	-9.0	-10.0	95.5	24.93	94.9	25.85	94.6	26.75	94.3	27.20	94.1	27.66	93.7	28.56	93.2	29.48
	-7.0	-8.0	101.5	25.58	101.1	26.48	100.6	27.40	100.3	27.85	100.0	28.32	99.4	29.23	99.1	30.15
	-5.0	-6.0	107.7	26.20	107.1	27.12	106.6	28.05	106.3	28.50	106.0	28.97	105.4	29.90	104.8	30.83
	-3.0	-4.0	114.2	26.84	113.4	27.77	112.8	28.70	112.5	29.17	112.2	29.62	111.6	30.57	111.0	31.50
	-1.0	-2.0	120.5	27.46	119.8	28.41	119.0	29.34	118.7	29.82	118.4	30.29	117.6	31.23	117.0	32.18
	0.0	-1.0	123.8	27.77	123.0	28.73	122.4	29.68	121.9	30.15	121.5	30.61	120.7	31.56	120.1	32.52
	2.0	1.0	130.3	28.42	129.5	29.37	128.7	30.33	128.3	30.80	127.8	31.28	127.2	32.24	126.3	33.19
	5.0	4.0	140.6	29.37	139.7	30.33	138.8	31.31	138.3	31.79	137.8	32.29	136.9	33.25	136.0	34.23
	7.0	6.0	147.1	30.02	146.0	30.98	145.1	31.96	144.5	32.46	144.0	32.94	143.1	33.93	142.0	34.91
	9.0	7.8	152.8	30.59	151.7	31.57	150.7	32.57	150.2	33.06	149.6	33.56	148.5	34.55	147.4	35.55
	12.0	10.6	161.9	31.49	160.7	32.50	159.6	33.51	159.0	34.01	158.4	34.51	157.0	35.52	153.0	35.41
	15.0	13.5	171.2	32.44	170.1	33.46	168.7	34.49	168.1	35.00	167.5	35.50	165.7	36.36	153.0	33.37
178.5 (140%)	-19.3	-20.0	66.8	22.11	66.5	22.96	66.3	23.83	66.2	24.25	66.2	24.70	65.9	25.57	65.7	26.41
	-15.0	-16.0	77.6	23.44	77.5	24.31	77.3	25.20	77.0	25.63	77.0	26.08	76.7	26.95	76.4	27.84
	-12.0	-13.0	86.4	24.45	86.1	25.32	85.5	26.22	85.5	26.67	85.2	27.12	84.9	28.01	84.6	28.89
	-9.0	-10.0	95.2	25.44	94.9	26.33	94.3	27.23	94.0	27.68	93.8	28.15	93.4	29.06	92.9	29.96
	-7.0	-8.0	101.2	26.11	100.8	27.01	100.3	27.93	100.0	28.38	99.7	28.83	99.2	29.76	98.8	30.66
	-5.0	-6.0	107.4	26.76	106.8	27.68	106.2	28.61	106.0	29.06	105.7	29.53	105.1	30.46	104.5	31.37
	-3.0	-4.0	113.6	27.43	113.0	28.36	112.5	29.29	112.2	29.76	111.9	30.21	111.1	31.16	110.5	32.09
	-1.0	-2.0	120.1	28.11	119.3	29.04	118.7	29.99	118.4	30.44	117.9	30.92	117.3	31.87	116.4	32.80
	0.0	-1.0	123.3	28.44	122.4	29.37	121.8	30.33	121.5	30.80	121.0	31.28	120.4	32.21	119.5	33.16
	2.0	1.0	129.8	29.12	128.9	30.07	128.1	31.03	127.8	31.50	127.2	31.98	126.4	32.93	125.7	33.89
	5.0	4.0	140.0	30.13	138.9	31.09	138.0	32.07	137.7	32.55	137.1	33.03	136.3	34.00	135.2	34.96
	7.0	6.0	146.2	30.81	145.1	31.79	144.2	32.77	143.7	33.25	143.1	33.75	142.2	34.71	141.1	35.69
	9.0	7.8	151.9	31.43	150.8	32.41	149.9	33.39	149.3	33.90	148.7	34.38	147.6	35.38	142.6	34.90
	12.0	10.6	160.7	32.41	159.6	33.40	158.4	34.40	157.9	34.91	157.3	35.39	154.7	35.83	142.6	32.90
	15.0	13.5	170.1	33.42	168.7	34.43	167.5	35.44	166.9	35.95	166.1	36.46	154.7	33.77	142.6	31.01
165.8 (130%)	-19.3	-20.0	66.8	22.48	66.5	23.35	66.2	24.22	66.2	24.64	66.2	25.07	65.9	25.94	65.6	26.80
	-15.0	-16.0	77.6	23.89	77.3	24.78	77.0	25.65	77.0	26.08	76.7	26.53	76.4	27.40	76.1	28.27
	-12.0	-13.0	86.1	24.95	85.8	25.83	85.5	26.72	85.2	27.17	85.0	27.62	84.7	28.50	84.3	29.39
	-9.0	-10.0	94.9	26.00	94.6	26.90	94.0	27.80	93.8	28.25	93.5	28.70	93.2	29.61	92.6	30.51
	-7.0	-8.0	100.9	26.70	100.5	27.62	100.0	28.52	99.7	28.98	99.4	29.43	98.9	30.35	98.3	31.25
	-5.0	-6.0	107.1	27.41	106.5	28.33	105.9	29.25	105.6	29.71	105.4	30.16	104.8	31.08	104.2	32.01
	-3.0	-4.0	113.3	28.13	112.5	29.06	111.9	29.98	111.6	30.44	111.3	30.91	110.7	31.84	110.1	32.76
	-1.0	-2.0	119.5	28.84	118.7	29.77	118.1	30.71	117.8	31.17	117.3	31.64	116.7	32.57	115.9	33.52
	0.0	-1.0	122.7	29.20	121.9	30.13	121.2	31.08	120.9	31.54	120.4	32.01	119.8	32.96	119.0	33.89
	2.0	1.0	129.0	29.91	128.3	30.86	127.5	31.81	127.0	32.29	126.6	32.77	125.8	33.70	124.9	34.65
	5.0	4.0	139.1	31.00	138.0	31.96	137.2	32.91	136.8	33.39	136.3	33.89	135.4	34.85	132.6	35.02
	7.0	6.0	145.4	31.73	144.3	32.69	143.4	33.67	142.8	34.15	142.2	34.65	141.3	35.61	132.6	33.53
	9.0	7.8	150.8	32.38	149.9	33.37	148.8	34.35	148.2	34.85	147.6	35.33	143.6	35.13	132.6	32.26
	12.0	10.6	159.6	33.43	158.4	34.43	157.3	35.42	156.7	35.92	154.7	35.83	143.6	33.10	132.6	30.43
	15.0	13.5	168.6	34.52	167.3	35.53	165.7	36.36	160.1	35.06	154.7	33.77	143.6	31.21	132.6	28.69
153.0 (120%)	-19.3	-20.0	66.5	22.93	66.5	23.80	66.2	24.67	66.0	25.09	65.9	25.51	65.7	26.38	65.6	27.23
	-15.0	-16.0	77.3	24.42	77.0	25.29	76.8	26.16	76.7	26.61	76.5	27.06	76.2	27.93	75.9	28.80
	-12.0	-13.0	85.8	25.54	85.5	26.42	85.2	27.31	85.0	27.76	84.9	28.19	84.4	29.08	84.1	29.98
	-9.0	-10.0	94.6	26.65	94.1	27.54	93.7	28.44	93.5	28.89	93.2	29.36	92.9	30.26	92.3	31.16
	-7.0	-8.0	100.6	27.40	100.0	28.30	99.4	29.22	99.4	29.67	99.1	30.13	98.5	31.03	98.0	31.95
	-5.0	-6.0	106.5	28.16	106.0	29.08	105.4	29.99	105.1	30.44	104.8	30.91	104.2	31.81	103.7	32.74
	-3.0	-4.0	112.7	28.92	112.1	29.84	111.4	30.77	111.1	31.22	110.8	31.70	110.2	32.62	109.6	33.53
	-1.0	-2.0	119.0	29.68	118.1	30.61	117.5	31.54	117.0	32.01	116.7	32.48	116.1	33.41	115.3	34.34
	0.0	-1.0	122.1	30.07	121.3	31.00	120.4	31.93	120.1	32.40	119.8	32.88	119.0	33.81	118.4	34.74
	2.0	1.0	128.3	30.83	127.5	31.78	126.6	32.72	126.3	33.19	125.8	33.67	124.9	34.62	121.6	34.44
	5.0	4.0	138.0	32.01	137.2	32.96	136.3	33.92	135.7	34.40	135.4	34.88	132.6	35.02	122.4	32.21
	7.0	6.0	144.2	32.78	143.1	33.75	142.2	34.71	141.7	35.19	141.1	35.69	132.6	33.53	122.4	30.83
	9.0	7.8	149.6	33.50	148.5	34.46	147.6	35.44	147.0	35.92	142.8	34.90	132.6	32.26	122.4	29.68
	12.0	10.6	158.2	34.61	157.0	35.61	153.0	35.41	147.8	34.16	142.8	32.90	132.6	30.43	122.4	28.01
	15.0	13.5	167.0	35.78	163.2	35.76	153.0	33.37	147.8	32.17	142.8	31.01	132.6	28.69	122.4	26.41
140.3 (110%)	-19.3	-20.0	66.5	23.46	66.2	24.33	66.0	25.18	65.9	25.60	65.9	26.04	65.6	26.89	65.4	27.76
	-15.0	-16.0	77.3	25.04	77.0	25.91	76.7	26.78	76.4	27.23	76.4	27.65	76.1	28.52	75.8	29.41
	-12.0	-13.0	85.5	26.22	85.2	27.12	84.9	27.99	84.7	28.44	84.6	28.88	84.1	29.76	83.8	30.65
	-9.0	-10.0	94.3	27.43	93.8	28.32	93.4	29.22	93.1	29.67	92.9	30.12	92.3	31.02	92.0	31.92
	-7.0	-8.0	100.0	28.22	99.7	29.14	99.1	30.04	98.8	30.49	98.5	30.94	98.0	31.84	97.6	32.74
	-5.0	-6.0	106.0	29.03	105.4	29.95	104.8	30.86	104.5	31.31	104.2	31.78	103.7	32.68	103.1	33.60
	-3.0	-4.0	112.1	29.85	111.4	30.77	110.8	31.70	110.5	32.15	110.2	32.60	109.6	33.52	108.8	34.45
	-1.0	-2.0	118.1	30.66	117.5	31.59	116.7	32.52	116.4	32.99	116.1	33.44	115.3	34.37	111.0	33.69
	0.0	-1.0	121.2	31.08	120.4	32.01	119.8	32.94	119.3	33.41	119.0	33.87	118.1	34.81	111.1	32.92
	2.0	1.0	127.3	31.90	126.6	32.85	125.8	33.78	125.2	34.26	124.9	34.73	120.7	34.18	111.4	31.46
	5.0	4.0	136.9	33.17	136.0	34.12	135.1	35.07	134.6	35.55	130.9	34.55	121.5	31.96	112.2	29.43
	7.0	6.0	142.8	34.01	141.9	34.97	140.2	35.58	135.4	34.32	130.9	33.08	121.5	30.61	112.2	28.19
	9.0	7.8	148.2	34.79	147.3	35.75	140.2	34.23	135.4	33.02	130.9	31.84	121.5	29.48	112.2	27.15
	12.0	10.6	156.5	35.98	149.6	34.56	140.2	32.28	135.4	31.16	130.9	30.03	121.5	27.81	112.2	25.62
	15.0	13.5	158.7	34.75	149.6	32.57	140.2	30.43	135.4	29.36	130.9	28.32	121.5	26.24	112.2	24.19

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ*360LALHH

● Capacity : 127.5 kW (40HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
127.5 (100%)	-19.3	-20.0	66.3	24.08	66.2	24.95	65.9	25.80	65.9	26.24	65.7	26.66	65.4	27.53	65.3	28.38
	-15.0	-16.0	77.0	25.77	76.7	26.64	76.4	27.51	76.2	27.96	76.1	28.38	75.8	29.25	75.5	30.14
	-12.0	-13.0	85.2	27.06	84.9	27.93	84.6	28.82	84.4	29.25	84.1	29.70	83.8	30.57	83.5	31.47
	-9.0	-10.0	93.7	28.35	93.4	29.23	92.9	30.12	92.6	30.57	92.3	31.02	92.0	31.92	91.4	32.79
	-7.0	-8.0	99.4	29.20	99.1	30.10	98.5	31.00	98.3	31.45	98.0	31.90	97.4	32.79	97.1	33.71
	-5.0	-6.0	105.4	30.07	104.8	30.99	104.2	31.89	103.9	32.34	103.6	32.79	103.1	33.71	100.5	33.61
	-3.0	-4.0	111.3	30.97	110.7	31.87	110.1	32.79	109.6	33.24	109.3	33.69	108.7	34.62	100.6	32.01
	-1.0	-2.0	117.3	31.84	116.5	32.77	115.8	33.69	115.5	34.14	115.2	34.60	109.3	33.16	100.9	30.54
	0.0	-1.0	120.1	32.29	119.5	33.22	118.7	34.14	118.4	34.59	117.9	35.00	109.4	32.39	101.1	29.83
	2.0	1.0	126.3	33.19	125.5	34.12	124.6	35.04	122.4	34.69	118.1	33.43	109.7	30.95	101.2	28.53
	5.0	4.0	135.7	34.54	134.8	35.49	127.5	33.61	123.2	32.44	119.0	31.28	110.4	28.98	102.0	26.70
	7.0	6.0	141.4	35.47	136.0	34.43	127.5	32.18	123.2	31.06	119.0	29.96	110.4	27.76	102.0	25.58
	9.0	7.8	144.5	35.33	136.0	33.13	127.5	30.97	123.2	29.90	119.0	28.83	110.4	26.72	102.0	24.65
	12.0	10.6	144.4	33.32	136.0	31.25	127.5	29.22	123.2	28.21	119.0	27.20	110.4	25.23	102.0	23.27
	15.0	13.5	144.5	31.41	136.0	29.47	127.5	27.56	123.2	26.60	119.0	25.67	110.4	23.80	102.0	21.97
114.8 (90%)	-19.3	-20.0	66.2	24.86	65.9	25.71	65.7	26.57	65.6	27.00	65.6	27.42	65.3	28.29	65.1	29.13
	-15.0	-16.0	76.7	26.67	76.4	27.54	76.1	28.41	75.9	28.85	75.8	29.28	75.5	30.15	75.2	31.01
	-12.0	-13.0	84.9	28.05	84.4	28.94	84.1	29.81	84.0	30.26	83.8	30.68	83.4	31.55	82.9	32.45
	-9.0	-10.0	93.2	29.45	92.8	30.34	92.3	31.22	92.0	31.67	92.0	32.11	91.4	33.01	90.1	33.37
	-7.0	-8.0	98.8	30.38	98.3	31.28	97.9	32.17	97.7	32.62	97.4	33.07	96.8	33.97	90.1	31.70
	-5.0	-6.0	104.5	31.33	104.0	32.23	103.4	33.13	103.1	33.58	102.8	34.03	98.0	32.74	90.4	30.18
	-3.0	-4.0	110.4	32.29	109.6	33.19	109.0	34.11	108.7	34.56	105.7	33.66	98.1	31.19	90.6	28.76
	-1.0	-2.0	116.1	33.25	115.5	34.17	113.6	34.48	109.7	33.29	106.0	32.11	98.3	29.75	90.9	27.44
	0.0	-1.0	119.0	33.75	118.4	34.65	113.6	33.69	109.9	32.53	106.0	31.38	98.6	29.08	90.9	26.82
	2.0	1.0	124.9	34.71	121.5	34.44	113.9	32.19	110.2	31.09	106.3	29.97	98.6	27.80	91.2	25.64
	5.0	4.0	130.0	34.32	122.4	32.21	114.7	30.13	110.8	29.09	107.1	28.05	99.4	26.03	91.8	24.03
	7.0	6.0	130.0	32.85	122.3	30.83	114.7	28.84	110.8	27.85	107.1	26.89	99.4	24.95	91.8	23.04
	9.0	7.8	130.0	31.62	122.4	29.68	114.7	27.77	110.8	26.83	107.1	25.88	99.4	24.03	91.8	22.20
	12.0	10.6	130.0	29.82	122.3	28.01	114.7	26.21	110.8	25.32	107.1	24.44	99.4	22.70	91.8	20.96
	15.0	13.5	130.0	28.12	122.4	26.41	114.7	24.73	110.8	23.91	107.1	23.07	99.4	21.43	91.8	19.81
102.0 (80%)	-19.3	-20.0	65.9	25.82	65.7	26.66	65.4	27.51	65.4	27.95	65.3	28.37	65.0	29.22	64.8	30.06
	-15.0	-16.0	76.4	27.79	76.1	28.65	75.8	29.52	75.6	29.95	75.5	30.37	75.2	31.24	74.7	32.11
	-12.0	-13.0	84.4	29.30	84.0	30.17	83.5	31.04	83.5	31.47	83.2	31.91	82.9	32.78	79.6	32.06
	-9.0	-10.0	92.6	30.82	92.0	31.69	91.7	32.59	91.4	33.01	91.1	33.46	86.7	32.10	79.9	29.60
	-7.0	-8.0	98.0	31.84	97.6	32.73	97.1	33.63	96.8	34.05	93.5	32.91	86.7	30.52	80.2	28.16
	-5.0	-6.0	103.6	32.88	103.1	33.77	100.5	33.61	97.1	32.46	93.8	31.31	87.0	29.05	80.4	26.80
	-3.0	-4.0	109.3	33.94	107.4	34.22	100.6	32.01	97.2	30.91	94.0	29.84	87.3	27.67	80.5	25.56
	-1.0	-2.0	114.4	34.76	107.7	32.64	100.9	30.54	97.5	29.50	94.1	28.46	87.5	26.43	80.7	24.40
	0.0	-1.0	114.5	33.96	107.7	31.89	101.1	29.83	97.7	28.82	94.3	27.83	87.5	25.83	80.8	23.87
	2.0	1.0	114.9	32.44	108.0	30.47	101.2	28.53	97.8	27.55	94.6	26.60	87.8	24.71	81.1	22.82
	5.0	4.0	115.6	30.35	108.8	28.52	102.0	26.70	98.6	25.80	95.2	24.91	88.4	23.13	81.6	21.39
	7.0	6.0	115.6	29.06	108.8	27.32	102.0	25.58	98.6	24.73	95.2	23.89	88.4	22.20	81.6	20.52
	9.0	7.8	115.6	27.99	108.8	26.30	102.0	24.65	98.6	23.83	95.2	23.01	88.4	21.38	81.6	19.78
	12.0	10.6	115.6	26.41	108.8	24.84	101.9	23.27	98.6	22.51	95.2	21.74	88.4	20.21	81.6	18.71
	15.0	13.5	115.6	24.92	108.8	23.43	101.9	21.97	98.6	21.24	95.2	20.53	88.4	19.10	81.6	17.70
89.3 (70%)	-19.3	-20.0	65.6	27.02	65.4	27.87	65.1	28.71	65.1	29.15	65.0	29.57	64.8	30.42	64.5	31.26
	-15.0	-16.0	75.8	29.19	75.5	30.06	75.2	30.92	75.0	31.35	74.9	31.77	74.7	32.64	69.4	30.47
	-12.0	-13.0	83.7	30.87	83.2	31.72	82.9	32.59	82.7	33.03	81.3	32.73	75.6	30.37	69.7	28.03
	-9.0	-10.0	91.7	32.56	91.1	33.43	87.5	32.42	84.5	31.32	81.6	30.24	75.7	28.08	70.0	25.92
	-7.0	-8.0	97.1	33.68	93.5	32.91	87.6	30.80	84.7	29.76	81.9	28.75	75.9	26.69	70.0	24.67
	-5.0	-6.0	99.7	33.31	93.8	31.31	87.8	29.33	85.0	28.35	81.9	27.36	76.2	25.42	70.3	23.49
	-3.0	-4.0	99.8	31.75	94.0	29.84	88.1	27.95	85.0	27.02	82.2	26.09	76.2	24.24	70.5	22.41
	-1.0	-2.0	100.0	30.28	94.1	28.46	88.4	26.68	85.3	25.78	82.4	24.91	76.5	23.14	70.6	21.42
	0.0	-1.0	100.3	29.58	94.3	27.83	88.4	26.07	85.5	25.22	82.5	24.35	76.5	22.63	70.6	20.94
	2.0	1.0	100.3	28.28	94.6	26.60	88.6	24.93	85.6	24.12	82.7	23.28	76.8	21.65	70.9	20.04
	5.0	4.0	101.1	26.48	95.2	24.91	89.2	23.36	86.1	22.60	83.3	21.84	77.3	20.32	71.4	18.80
	7.0	6.0	101.1	25.38	95.2	23.89	89.2	22.40	86.1	21.67	83.3	20.94	77.3	19.48	71.4	18.05
	9.0	7.8	101.1	24.45	95.2	23.01	89.2	21.58	86.1	20.88	83.3	20.18	77.3	18.80	71.4	17.42
	12.0	10.6	101.1	23.09	95.2	21.74	89.2	20.40	86.1	19.75	83.3	19.08	77.3	17.78	71.4	16.49
	15.0	13.5	101.1	21.80	95.2	20.53	89.2	19.27	86.1	18.66	83.3	18.04	77.3	16.80	71.4	15.59
76.5 (60%)	-19.3	-20.0	65.3	28.62	65.0	29.46	64.8	30.31	64.7	30.73	64.5	31.15	64.0	31.83	59.2	29.44
	-15.0	-16.0	75.2	31.06	74.9	31.91	74.4	32.63	71.9	31.56	69.4	30.47	64.6	28.32	59.5	26.16
	-12.0	-13.0	82.9	32.92	79.6	32.06	74.8	30.03	72.2	29.04	69.7	28.03	64.6	26.06	59.8	24.11
	-9.0	-10.0	85.0	31.48	79.9	29.62	75.0	27.77	72.5	26.84	70.0	25.92	64.9	24.11	60.0	22.31
	-7.0	-8.0	85.2	29.93	80.2	28.16	75.1	26.39	72.5	25.52	70.0	24.67	65.1	22.93	60.1	21.23
	-5.0	-6.0	85.3	28.49	80.4	26.80	75.3	25.14	72.8	24.30	70.3	23.49	65.2	21.85	60.3	20.25
	-3.0	-4.0	85.6	27.14	80.5	25.56	75.4	23.98	72.8	23.20	70.5	22.41	65.4	20.86	60.3	19.32
	-1.0	-2.0	85.8	25.92	80.7	24.40	75.6	22.89	73.1	22.16	70.6	21.42	65.5	19.94	60.6	18.47
	0.0	-1.0	85.8	25.33	80.8	23.85	75.7	22.38	73.1	21.67	70.6	20.94	65.7	19.51	60.6	18.08
	2.0	1.0	86.1	24.23	81.1	22.82	76.0	21.42	73.4	20.72	70.9	20.04	65.8	18.67	60.6	17.32
	5.0	4.0	86.7	22.71	81.6	21.39	76.5	20.10	73.9	19.45	71.4	18.80	66.3	17.54	61.2	16.27
	7.0	6.0	86.7	21.78	81.6	20.52	76.5	19.28	73.9	18.66	71.4	18.05	66.3	16.83	61.2	15.63
	9.0	7.8	86.7	20.99	81.6	19.78	76.5	18.60	73.9	18.01	71.4	17.42	66.3	16.24	61.2	15.09
	12.0	10.6	86.7	19.84	81.6	18.71	76.5	17.59	73.9	17.03	71.4	16.49	66.3	15.39	61.2	14.30
	15.0	13.5	86.7	18.74	81.5	17.70	76.5	16.63	73.9	16.12	71.4	15.59	66.3	14.56	61.2	13.54
63.8 (50%)	-19.3	-20.0	64.7	30.83	64.4	31.67	61.7	30.65	59.5	29.64	57.5	28.64	53.5	26.62	49.3	24.64
	-15.0	-16.0	70.3	30.83	66.0	29.03	62.0	27.23	59.8	26.35	57.8	25.45	53.8	23.70	49.6	21.93
	-12.0	-13.0	70.5	28.37	66.3	26.73	62.3	25.08	60.1	24.26	58.1	23.45	53.8	21.84	49.8	20.23
	-9.0	-10.0	70.8	26.22	66.6	24.70	62.4	23.21	60.3	22.45	58.3	21.72	54.1	20.23	49.9	18.76
	-7.0	-8.0	70.9	24.95	66.8	23.51	62.6	22.08	60.4	21.38	58.4	20.67	54.1	19.27	50.1	17.86
	-5.0	-6.0	71.1	23.77	66.9	22.39	62.6	21.04	60.6	20.37	58.6	19.71	54.4	18.37	50.1	17.04
	-3.0	-4.0	71.4	22.67	67.1	21.37	62.9	20.10	60.7	19.46	58.6	18.81	54.4	17.55	50.2	16.31
	-1.0	-2.0	71.4	21.65	67.2	20.44	62.9	19.20	60.9	18.61	58.9	17.99	54.7	16.79	50.4	15.60
	0.0	-1.0	71.4	21.17	67.4	19.99	63.1	18.78	60.9	18.19	58.9	17.60	54.7	16.42	50.4	15.27
	2.0	1.0	71.7	20.27	67.5	19.12	63.2	17.99	61.2	17.43	59.0	16.87	54.7	15.74	50.6	14.64
	5.0	4.0	72.2	19.03	68.0	17.96	63.7	16.89	61.5	16.38	59.5	15.85	55.2	14.81	51.0	13.77
	7.0	6.0	72.2	18.26	68.0	17.23	63.7	16.22	61.5	15.73	59.5	15.23	55.2	14.22	51.0	13.24
	9.0	7.8	72.2	17.62	68.0	16.63	63.7	15.66	61.5	15.18	59.5	14.70	55.2	13.74	51.0	12.79
	12.0	10.6	72.2	16.66	68.0	15.76	63.7	14.84	61.5	14.39	59.5	13.94	55.2	13.04	51.0	12.14
	15.0	13.5	72.2	15.76	68.0	14.92	63.7	14.05	61.5	13.63	59.5	13.21	55.2	12.36	51.0	11.52

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ*378LALHH

● Capacity : 135.0 kW (42HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
202.5 (150%)	-19.3	-20.0	70.8	23.25	70.5	24.18	70.5	25.08	70.2	25.56	70.2	26.01	69.9	26.94	69.9	27.87
	-15.0	-16.0	82.5	24.60	82.2	25.53	81.9	26.49	81.6	26.94	81.6	27.42	81.3	28.35	81.0	29.31
	-12.0	-13.0	91.5	25.62	91.2	26.58	90.9	27.51	90.6	27.99	90.6	28.47	90.0	29.43	89.7	30.39
	-9.0	-10.0	101.1	26.61	100.5	27.60	100.2	28.56	99.9	29.04	99.6	29.52	99.3	30.48	98.7	31.47
	-7.0	-8.0	107.4	27.30	107.1	28.26	106.5	29.25	106.2	29.73	105.9	30.24	105.3	31.20	105.0	32.19
	-5.0	-6.0	114.0	27.96	113.4	28.95	112.8	29.94	112.5	30.42	112.2	30.93	111.6	31.92	111.0	32.91
	-3.0	-4.0	120.9	28.65	120.0	29.64	119.4	30.63	119.1	31.14	118.8	31.62	118.2	32.64	117.6	33.63
	-1.0	-2.0	127.5	29.31	126.9	30.33	126.0	31.32	125.7	31.83	125.4	32.34	124.5	33.33	123.9	34.35
	0.0	-1.0	131.1	29.64	130.2	30.66	129.6	31.68	129.0	32.19	128.7	32.67	127.8	33.69	127.2	34.71
	2.0	1.0	138.0	30.33	137.1	31.35	136.2	32.37	135.9	32.88	135.3	33.39	134.7	34.41	133.8	35.43
	5.0	4.0	148.8	31.35	147.9	32.37	147.0	33.42	146.4	33.93	145.8	34.47	144.9	35.49	144.0	36.54
	7.0	6.0	155.7	32.04	154.5	33.06	153.6	34.11	153.0	34.65	152.4	35.16	151.5	36.21	150.3	37.26
	9.0	7.8	161.7	32.64	160.5	33.69	159.6	34.77	159.0	35.28	158.4	35.82	157.2	36.87	156.0	37.95
	12.0	10.6	171.3	33.60	170.1	34.68	168.9	35.76	168.3	36.30	167.7	36.84	166.2	37.92	162.0	37.80
	15.0	13.5	181.2	34.62	180.0	35.70	178.5	36.81	177.9	37.35	177.3	37.89	175.5	38.82	162.0	35.64
189.0 (140%)	-19.3	-20.0	70.8	23.61	70.5	24.51	70.2	25.44	70.2	25.89	70.2	26.37	69.9	27.30	69.6	28.20
	-15.0	-16.0	82.2	25.02	82.2	25.95	81.9	26.91	81.6	27.36	81.6	27.84	81.3	28.77	81.0	29.73
	-12.0	-13.0	91.5	26.10	91.2	27.03	90.6	27.99	90.6	28.47	90.3	28.95	90.0	29.91	89.7	30.84
	-9.0	-10.0	100.8	27.15	100.5	28.11	99.9	29.07	99.6	29.55	99.3	30.06	99.0	31.02	98.4	31.98
	-7.0	-8.0	107.1	27.87	106.8	28.83	106.2	29.82	105.9	30.30	105.6	30.78	105.0	31.77	104.7	32.73
	-5.0	-6.0	113.7	28.56	113.1	29.55	112.5	30.54	112.2	31.02	111.9	31.53	111.3	32.52	110.7	33.48
	-3.0	-4.0	120.3	29.28	119.7	30.27	119.1	31.26	118.8	31.77	118.5	32.25	117.6	33.27	117.0	34.26
	-1.0	-2.0	127.2	30.00	126.3	30.99	125.7	32.01	125.4	32.49	124.8	33.00	124.2	34.02	123.3	35.01
	0.0	-1.0	130.5	30.36	129.6	31.35	129.0	32.37	128.7	32.88	128.1	33.39	127.5	34.38	126.6	35.40
	2.0	1.0	137.4	31.08	136.5	32.10	135.6	33.12	135.3	33.63	134.7	34.14	133.8	35.16	133.2	36.18
	5.0	4.0	148.2	32.16	147.0	33.18	146.1	34.23	145.8	34.74	145.2	35.25	144.3	36.30	143.1	37.32
	7.0	6.0	154.8	32.88	153.6	33.93	152.7	34.98	152.1	35.49	151.5	36.03	150.6	37.05	149.4	38.10
	9.0	7.8	160.8	33.54	159.6	34.59	158.7	35.64	158.1	36.18	157.5	36.69	156.3	37.77	150.9	37.26
	12.0	10.6	170.1	34.59	168.9	35.64	167.7	36.72	167.1	37.26	166.5	37.77	163.8	38.25	150.9	35.13
	15.0	13.5	180.0	35.67	178.5	36.75	177.3	37.83	176.7	38.37	175.8	38.91	163.8	36.06	150.9	33.12
175.5 (130%)	-19.3	-20.0	70.8	24.00	70.5	24.93	70.2	25.86	70.2	26.31	70.2	26.76	69.9	27.69	69.6	28.62
	-15.0	-16.0	82.2	25.50	81.9	26.46	81.6	27.39	81.6	27.84	81.3	28.32	81.0	29.25	80.7	30.18
	-12.0	-13.0	91.2	26.64	90.9	27.57	90.6	28.53	90.3	29.01	90.0	29.49	89.7	30.42	89.4	31.38
	-9.0	-10.0	100.5	27.75	100.2	28.71	99.6	29.67	99.3	30.15	99.0	30.63	98.7	31.62	98.1	32.58
	-7.0	-8.0	106.8	28.50	106.5	29.49	105.9	30.45	105.6	30.93	105.3	31.41	104.7	32.40	104.1	33.36
	-5.0	-6.0	113.4	29.25	112.8	30.24	112.2	31.23	111.9	31.71	111.6	32.19	111.0	33.18	110.4	34.17
	-3.0	-4.0	120.0	30.03	119.1	31.02	118.5	32.01	118.2	32.49	117.9	33.00	117.3	33.99	116.7	34.98
	-1.0	-2.0	126.6	30.78	125.7	31.77	125.1	32.79	124.8	33.27	124.2	33.78	123.6	34.77	122.7	35.79
	0.0	-1.0	129.9	31.17	129.0	32.16	128.4	33.18	128.1	33.66	127.5	34.17	126.9	35.19	126.0	36.18
	2.0	1.0	136.5	31.92	135.9	32.94	135.0	33.96	134.4	34.47	134.1	34.98	133.2	35.97	132.3	36.99
	5.0	4.0	147.3	33.09	146.1	34.11	145.2	35.13	144.9	35.64	144.3	36.18	143.4	37.20	140.4	37.38
	7.0	6.0	153.9	33.87	152.7	34.89	151.8	35.94	151.2	36.45	150.6	36.99	149.7	38.01	140.4	35.79
	9.0	7.8	159.6	34.56	158.7	35.61	157.5	36.66	156.9	37.20	156.3	37.71	152.1	37.50	140.4	34.44
	12.0	10.6	168.9	35.67	167.7	36.75	166.5	37.80	165.9	38.34	163.8	38.25	152.1	35.34	140.4	32.49
	15.0	13.5	178.5	36.84	177.0	37.92	175.5	38.82	169.5	37.44	163.8	36.06	152.1	33.33	140.4	30.63
162.0 (120%)	-19.3	-20.0	70.5	24.48	70.5	25.41	70.2	26.34	69.9	26.79	69.9	27.24	69.6	28.17	69.6	29.07
	-15.0	-16.0	81.9	26.07	81.6	27.00	81.3	27.93	81.3	28.41	81.0	28.89	80.7	29.82	80.4	30.75
	-12.0	-13.0	90.9	27.27	90.6	28.20	90.3	29.16	90.0	29.64	90.0	30.09	89.4	31.05	89.1	32.01
	-9.0	-10.0	100.2	28.44	99.6	29.40	99.3	30.36	99.0	30.84	98.7	31.35	98.4	32.31	97.8	33.27
	-7.0	-8.0	106.5	29.25	105.9	30.21	105.3	31.20	105.3	31.68	105.0	32.16	104.4	33.12	103.8	34.11
	-5.0	-6.0	112.8	30.06	112.2	31.05	111.6	32.01	111.3	32.49	111.0	33.00	110.4	33.96	109.8	34.95
	-3.0	-4.0	119.4	30.87	118.8	31.86	117.9	32.85	117.6	33.33	117.3	33.84	116.7	34.83	116.1	35.79
	-1.0	-2.0	126.0	31.68	125.1	32.67	124.5	33.66	123.9	34.17	123.6	34.68	123.0	35.67	122.1	36.66
	0.0	-1.0	129.3	32.10	128.4	33.09	127.5	34.08	127.2	34.59	126.9	35.10	126.0	36.09	125.4	37.08
	2.0	1.0	135.9	32.91	135.0	33.93	134.1	34.92	133.8	35.43	133.2	35.94	132.3	36.96	128.7	36.75
	5.0	4.0	146.1	34.17	145.2	35.19	144.3	36.21	143.7	36.72	143.4	37.23	140.4	37.38	129.6	34.38
	7.0	6.0	152.7	34.98	151.5	36.03	150.6	37.05	150.0	37.56	149.4	38.10	140.4	35.79	129.6	32.91
	9.0	7.8	158.4	35.76	157.2	36.78	156.3	37.83	155.7	38.34	151.2	37.26	140.4	34.44	129.6	31.68
	12.0	10.6	167.4	36.93	166.2	38.01	162.0	37.80	156.6	36.48	151.2	35.13	140.4	32.49	129.6	29.91
	15.0	13.5	176.7	38.19	172.8	38.19	162.0	35.64	156.6	34.35	151.2	33.12	140.4	30.63	129.6	28.20
148.5 (110%)	-19.3	-20.0	70.5	25.05	70.2	25.98	69.9	26.88	69.9	27.33	69.9	27.81	69.6	28.71	69.3	29.64
	-15.0	-16.0	81.9	26.73	81.6	27.66	81.3	28.59	81.0	29.07	81.0	29.52	80.7	30.45	80.4	31.41
	-12.0	-13.0	90.6	27.99	90.3	28.95	90.0	29.88	89.7	30.36	89.7	30.84	89.1	31.77	88.8	32.73
	-9.0	-10.0	99.9	29.28	99.3	30.24	99.0	31.20	98.7	31.68	98.4	32.16	97.8	33.12	97.5	34.08
	-7.0	-8.0	105.9	30.12	105.6	31.11	105.0	32.07	104.7	32.55	104.4	33.03	103.8	33.99	103.5	34.95
	-5.0	-6.0	112.2	30.99	111.6	31.98	111.0	32.94	110.7	33.42	110.4	33.93	109.8	34.89	109.2	35.88
	-3.0	-4.0	118.8	31.86	117.9	32.85	117.3	33.84	117.0	34.32	116.7	34.80	116.1	35.79	115.2	36.78
	-1.0	-2.0	125.1	32.73	124.5	33.72	123.6	34.71	123.3	35.22	123.0	35.70	122.1	36.69	117.6	35.94
	0.0	-1.0	128.4	33.18	127.5	34.17	126.9	35.16	126.3	35.67	126.0	36.15	125.1	37.17	117.6	35.13
	2.0	1.0	134.7	34.05	134.1	35.07	133.2	36.06	132.6	36.57	132.3	37.08	127.8	36.48	117.9	33.57
	5.0	4.0	144.9	35.40	144.0	36.42	143.1	37.44	142.5	37.95	138.6	36.87	128.7	34.11	118.8	31.41
	7.0	6.0	151.2	36.30	150.3	37.32	148.5	37.98	143.4	36.63	138.6	35.31	128.7	32.67	118.8	30.09
	9.0	7.8	156.9	37.14	156.0	38.16	148.5	36.54	143.4	35.25	138.6	33.99	128.7	31.47	118.8	28.98
	12.0	10.6	165.6	38.40	158.4	36.90	148.5	34.47	143.4	33.27	138.6	32.07	128.7	29.70	118.8	27.36
	15.0	13.5	168.0	37.11	158.4	34.77	148.5	32.49	143.4	31.35	138.6	30.24	128.7	28.02	118.8	25.83

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ∗378LALHH

● Capacity : 135.0 kW (42HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
135.0 (100%)	-19.3	-20.0	70.2	25.71	70.2	26.64	69.9	27.54	69.9	28.02	69.6	28.47	69.3	29.40	69.3	30.30
	-15.0	-16.0	81.6	27.51	81.3	28.44	81.0	29.37	80.7	29.85	80.7	30.30	80.4	31.23	80.1	32.19
	-12.0	-13.0	90.3	28.89	90.0	29.82	89.7	30.78	89.4	31.23	89.1	31.71	88.8	32.64	88.5	33.60
	-9.0	-10.0	99.3	30.27	99.0	31.20	98.4	32.16	98.1	32.64	97.8	33.12	97.5	34.08	96.9	35.01
	-7.0	-8.0	105.3	31.17	105.0	32.13	104.4	33.09	104.1	33.57	103.8	34.05	103.2	35.01	102.9	36.00
	-5.0	-6.0	111.6	32.10	111.0	33.09	110.4	34.05	110.1	34.53	109.8	35.01	109.2	36.00	106.5	35.85
	-3.0	-4.0	117.9	33.06	117.3	34.02	116.7	35.01	116.1	35.49	115.8	35.97	115.2	36.96	106.5	34.14
	-1.0	-2.0	124.2	33.99	123.3	34.98	122.7	35.97	122.4	36.45	122.1	36.93	115.8	35.37	106.8	32.58
	0.0	-1.0	127.2	34.47	126.6	35.46	125.7	36.45	125.4	36.93	124.8	37.35	115.8	34.56	107.1	31.83
	2.0	1.0	133.8	35.43	132.9	36.42	132.0	37.41	129.6	37.02	125.1	35.67	116.1	33.03	107.1	30.45
	5.0	4.0	143.7	36.87	142.8	37.89	135.0	35.88	130.5	34.62	126.0	33.39	117.0	30.93	108.0	28.50
	7.0	6.0	149.7	37.86	144.0	36.75	135.0	34.35	130.5	33.15	126.0	31.98	117.0	29.64	108.0	27.30
	9.0	7.8	153.0	37.71	144.0	35.37	135.0	33.06	130.5	31.92	126.0	30.78	117.0	28.53	108.0	26.31
	12.0	10.6	153.0	35.58	144.0	33.36	135.0	31.20	130.5	30.12	126.0	29.04	117.0	26.94	108.0	24.84
	15.0	13.5	153.0	33.54	144.0	31.47	135.0	29.43	130.5	28.41	126.0	27.42	117.0	25.41	108.0	23.46
121.5 (90%)	-19.3	-20.0	70.2	26.55	69.9	27.45	69.6	28.38	69.6	28.83	69.6	29.28	69.3	30.21	69.0	31.11
	-15.0	-16.0	81.3	28.47	81.0	29.40	80.7	30.33	80.4	30.81	80.4	31.26	80.1	32.19	79.8	33.12
	-12.0	-13.0	90.0	29.94	89.4	30.90	89.1	31.83	89.1	32.31	88.8	32.76	88.5	33.69	87.9	34.65
	-9.0	-10.0	98.7	31.44	98.4	32.40	97.8	33.33	97.5	33.81	97.5	34.29	96.9	35.25	95.4	35.58
	-7.0	-8.0	104.7	32.43	104.1	33.39	103.8	34.35	103.5	34.83	103.2	35.31	102.6	36.27	95.4	33.81
	-5.0	-6.0	110.7	33.45	110.1	34.41	109.5	35.37	109.2	35.85	108.9	36.33	103.8	34.92	95.7	32.19
	-3.0	-4.0	117.0	34.47	116.1	35.43	115.5	36.42	115.2	36.90	111.9	35.91	103.8	33.27	96.0	30.69
	-1.0	-2.0	123.0	35.49	122.4	36.48	120.3	36.78	116.1	35.52	112.2	34.26	104.1	31.74	96.3	29.28
	0.0	-1.0	126.0	36.03	125.4	36.99	120.3	35.94	116.4	34.71	112.2	33.48	104.4	31.02	96.3	28.62
	2.0	1.0	132.3	37.05	128.7	36.75	120.6	34.35	116.7	33.18	112.5	31.98	104.4	29.67	96.6	27.36
	5.0	4.0	137.7	36.63	129.6	34.38	121.5	32.16	117.3	31.05	113.4	29.94	105.3	27.78	97.2	25.65
	7.0	6.0	137.7	35.07	129.6	32.91	121.5	30.78	117.3	29.73	113.4	28.71	105.3	26.64	97.2	24.60
	9.0	7.8	137.7	33.75	129.6	31.68	121.5	29.64	117.3	28.65	113.4	27.63	105.3	25.65	97.2	23.70
	12.0	10.6	137.7	31.83	129.6	29.91	121.5	27.99	117.3	27.03	113.4	26.10	105.3	24.24	97.2	22.38
	15.0	13.5	137.7	30.03	129.6	28.20	121.5	26.40	117.3	25.53	113.4	24.63	105.3	22.89	97.2	21.15
108.0 (80%)	-19.3	-20.0	69.9	27.57	69.6	28.47	69.3	29.37	69.3	29.85	69.3	30.30	69.0	31.20	68.7	32.10
	-15.0	-16.0	81.0	29.67	80.7	30.60	80.4	31.53	80.1	31.98	80.1	32.43	79.8	33.36	79.2	34.29
	-12.0	-13.0	89.4	31.29	89.1	32.22	88.5	33.15	88.5	33.60	88.2	34.08	87.9	35.01	84.3	34.17
	-9.0	-10.0	98.1	32.91	97.5	33.84	97.2	34.80	96.9	35.25	96.6	35.73	91.8	34.23	84.6	31.56
	-7.0	-8.0	103.8	33.99	103.5	34.95	102.9	35.91	102.6	36.36	99.0	35.10	91.8	32.55	84.9	30.03
	-5.0	-6.0	109.8	35.10	109.2	36.06	106.5	35.85	102.9	34.62	99.3	33.39	92.1	30.99	85.2	28.59
	-3.0	-4.0	115.8	36.24	113.7	36.51	106.5	34.14	102.9	32.97	99.6	31.83	92.4	29.52	85.2	27.27
	-1.0	-2.0	121.2	37.08	114.0	34.83	106.8	32.58	103.2	31.47	99.6	30.36	92.7	28.20	85.5	26.04
	0.0	-1.0	121.2	36.24	114.0	34.02	107.1	31.83	103.5	30.75	99.9	29.70	92.7	27.57	85.5	25.47
	2.0	1.0	121.5	34.62	114.3	32.52	107.1	30.45	103.5	29.40	100.2	28.38	93.0	26.37	85.8	24.36
	5.0	4.0	122.4	32.40	115.2	30.45	108.0	28.50	104.4	27.54	100.8	26.58	93.6	24.69	86.4	22.83
	7.0	6.0	122.4	31.02	115.2	29.16	108.0	27.30	104.4	26.40	100.8	25.50	93.6	23.70	86.4	21.90
	9.0	7.8	122.4	29.88	115.2	28.08	108.0	26.31	104.4	25.44	100.8	24.57	93.6	22.83	86.4	21.12
	12.0	10.6	122.4	28.20	115.2	26.52	108.0	24.84	104.4	24.03	100.8	23.22	93.6	21.57	86.4	19.98
	15.0	13.5	122.4	26.61	115.2	25.02	108.0	23.46	104.4	22.68	100.8	21.93	93.6	20.40	86.4	18.90
94.5 (70%)	-19.3	-20.0	69.6	28.86	69.3	29.76	69.0	30.66	69.0	31.14	69.0	31.59	68.7	32.49	68.4	33.39
	-15.0	-16.0	80.4	31.17	80.1	32.10	79.8	33.03	79.5	33.48	79.5	33.93	79.2	34.86	73.5	32.46
	-12.0	-13.0	88.8	32.97	88.2	33.87	87.9	34.80	87.6	35.28	86.1	34.89	80.1	32.37	73.8	29.88
	-9.0	-10.0	97.2	34.77	96.6	35.70	92.7	34.56	89.4	33.39	86.4	32.25	80.1	29.94	74.1	27.63
	-7.0	-8.0	102.9	35.97	99.0	35.10	92.7	32.85	89.7	31.74	86.7	30.66	80.4	28.47	74.1	26.31
	-5.0	-6.0	105.6	35.52	99.3	33.39	93.0	31.29	90.0	30.24	86.7	29.19	80.7	27.12	74.4	25.05
	-3.0	-4.0	105.6	33.87	99.6	31.83	93.3	29.82	90.0	28.83	87.0	27.84	80.7	25.86	74.7	23.91
	-1.0	-2.0	105.9	32.31	99.6	30.36	93.6	28.47	90.3	27.51	87.3	26.58	81.0	24.69	74.7	22.86
	0.0	-1.0	106.2	31.56	99.9	29.70	93.6	27.81	90.6	26.91	87.3	25.98	81.0	24.15	74.7	22.35
	2.0	1.0	106.2	30.18	100.2	28.38	93.9	26.61	90.6	25.74	87.6	24.84	81.3	23.10	75.0	21.39
	5.0	4.0	107.1	28.26	100.8	26.58	94.5	24.93	91.2	24.12	88.2	23.31	81.9	21.69	75.6	20.07
	7.0	6.0	107.1	27.09	100.8	25.50	94.5	23.91	91.2	23.13	88.2	22.35	81.9	20.79	75.6	19.26
	9.0	7.8	107.1	26.10	100.8	24.57	94.5	23.04	91.2	22.29	88.2	21.54	81.9	20.07	75.6	18.60
	12.0	10.6	107.1	24.66	100.8	23.22	94.5	21.78	91.2	21.09	88.2	20.37	81.9	18.99	75.6	17.61
	15.0	13.5	107.1	23.28	100.8	21.93	94.5	20.58	91.2	19.92	88.2	19.26	81.9	17.94	75.6	16.65
81.0 (60%)	-19.3	-20.0	69.3	30.57	69.0	31.47	68.7	32.37	68.7	32.82	68.4	33.27	67.8	33.93	62.7	31.35
	-15.0	-16.0	79.8	33.18	79.5	34.08	78.9	34.80	76.2	33.63	73.5	32.46	68.4	30.18	63.0	27.87
	-12.0	-13.0	87.9	35.16	84.3	34.17	79.2	32.01	76.5	30.96	73.8	29.88	68.4	27.78	63.3	25.71
	-9.0	-10.0	90.0	33.57	84.6	31.59	79.5	29.61	76.8	28.62	74.1	27.63	68.7	25.71	63.6	23.79
	-7.0	-8.0	90.3	31.92	84.9	30.03	79.5	28.14	76.8	27.21	74.1	26.31	69.0	24.45	63.6	22.65
	-5.0	-6.0	90.3	30.39	85.2	28.59	79.8	26.82	77.1	25.92	74.4	25.05	69.0	23.31	63.9	21.60
	-3.0	-4.0	90.6	28.95	85.2	27.27	79.8	25.59	77.1	24.75	74.7	23.91	69.3	22.26	63.9	20.61
	-1.0	-2.0	90.9	27.66	85.5	26.04	80.1	24.42	77.4	23.64	74.7	22.86	69.3	21.27	64.2	19.71
	0.0	-1.0	90.9	27.03	85.5	25.44	80.1	23.88	77.4	23.13	74.7	22.35	69.6	20.82	64.2	19.29
	2.0	1.0	91.2	25.86	85.8	24.36	80.4	22.86	77.7	22.11	75.0	21.39	69.6	19.92	64.2	18.48
	5.0	4.0	91.8	24.24	86.4	22.83	81.0	21.45	78.3	20.76	75.6	20.07	70.2	18.72	64.8	17.37
	7.0	6.0	91.8	23.25	86.4	21.90	81.0	20.58	78.3	19.92	75.6	19.26	70.2	17.97	64.8	16.68
	9.0	7.8	91.8	22.41	86.4	21.12	81.0	19.86	78.3	19.23	75.6	18.60	70.2	17.34	64.8	16.11
	12.0	10.6	91.8	21.18	86.4	19.98	81.0	18.78	78.3	18.18	75.6	17.61	70.2	16.44	64.8	15.27
	15.0	13.5	91.8	20.01	86.4	18.90	81.0	17.76	78.3	17.22	75.6	16.65	70.2	15.54	64.8	14.46
67.5 (50%)	-19.3	-20.0	68.7	32.94	68.4	33.84	65.4	32.64	63.0	31.56	60.9	30.51	56.7	28.35	52.2	26.25
	-15.0	-16.0	74.4	32.85	69.9	30.93	65.7	29.01	63.3	28.08	61.2	27.12	57.0	25.26	52.5	23.37
	-12.0	-13.0	74.7	30.24	70.2	28.50	66.0	26.73	63.6	25.86	61.5	24.99	57.0	23.28	52.8	21.57
	-9.0	-10.0	75.0	27.96	70.5	26.34	66.0	24.75	63.9	23.94	61.8	23.16	57.3	21.57	52.8	20.01
	-7.0	-8.0	75.0	26.61	70.8	25.08	66.3	23.55	63.9	22.80	61.8	22.05	57.3	20.55	53.1	19.05
	-5.0	-6.0	75.3	25.35	70.8	23.88	66.3	22.44	64.2	21.72	62.1	21.03	57.6	19.59	53.1	18.18
	-3.0	-4.0	75.6	24.18	71.1	22.80	66.6	21.45	64.2	20.76	62.1	20.07	57.6	18.72	53.1	17.40
	-1.0	-2.0	75.6	23.10	71.1	21.81	66.6	20.49	64.5	19.86	62.4	19.20	57.9	17.91	53.4	16.65
	0.0	-1.0	75.6	22.59	71.4	21.33	66.9	20.04	64.5	19.41	62.4	18.78	57.9	17.52	53.4	16.29
	2.0	1.0	75.9	21.63	71.4	20.40	66.9	19.20	64.8	18.60	62.4	18.00	57.9	16.80	53.4	15.63
	5.0	4.0	76.5	20.31	72.0	19.17	67.5	18.03	65.1	17.49	63.0	16.92	58.5	15.81	54.0	14.70
	7.0	6.0	76.5	19.50	72.0	18.39	67.5	17.31	65.1	16.80	63.0	16.26	58.5	15.18	54.0	14.13
	9.0	7.8	76.5	18.81	72.0	17.76	67.5	16.71	65.1	16.20	63.0	15.69	58.5	14.67	54.0	13.65
	12.0	10.6	76.5	17.79	72.0	16.83	67.5	15.84	65.1	15.36	63.0	14.88	58.5	13.92	54.0	12.96
	15.0	13.5	76.5	16.83	72.0	15.93	67.5	15.00	65.1	14.55	63.0	14.10	58.5	13.20	54.0	12.30

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ∗396LALHH

● Capacity : 140.0 kW (44HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
210.0 (150%)	-19.3	-20.0	73.4	24.00	73.2	24.96	73.1	25.90	72.8	26.39	72.8	26.86	72.5	27.82	72.4	28.78
	-15.0	-16.0	85.5	25.40	85.2	26.37	84.9	27.36	84.7	27.83	84.6	28.32	84.3	29.29	84.0	30.28
	-12.0	-13.0	94.9	26.46	94.6	27.45	94.3	28.42	94.0	28.92	93.9	29.41	93.4	30.40	93.0	31.40
	-9.0	-10.0	104.8	27.49	104.3	28.51	103.9	29.50	103.6	30.00	103.3	30.50	102.9	31.50	102.4	32.51
	-7.0	-8.0	111.4	28.20	111.0	29.20	110.4	30.22	110.1	30.72	109.8	31.24	109.2	32.24	108.8	33.26
	-5.0	-6.0	118.3	28.88	117.6	29.91	117.0	30.93	116.7	31.43	116.4	31.96	115.8	32.98	115.2	34.01
	-3.0	-4.0	125.3	29.59	124.5	30.62	123.9	31.65	123.5	32.17	123.2	32.68	122.6	33.72	121.9	34.75
	-1.0	-2.0	132.3	30.28	131.6	31.33	130.7	32.36	130.4	32.89	130.0	33.42	129.2	34.45	128.5	35.50
	0.0	-1.0	135.9	30.63	135.0	31.68	134.4	32.73	133.8	33.26	133.5	33.77	132.6	34.82	131.9	35.87
	2.0	1.0	143.1	31.34	142.2	32.39	141.3	33.45	140.9	33.98	140.4	34.51	139.6	35.56	138.7	36.62
	5.0	4.0	154.3	32.39	153.4	33.45	152.4	34.54	151.8	35.07	151.3	35.62	150.3	36.68	149.3	37.77
	7.0	6.0	161.4	33.10	160.3	34.17	159.3	35.26	158.7	35.81	158.1	36.34	157.1	37.43	155.9	38.52
	9.0	7.8	167.7	33.73	166.5	34.82	165.5	35.93	164.9	36.47	164.3	37.02	163.0	38.11	161.8	39.23
	12.0	10.6	177.7	34.73	176.4	35.84	175.1	36.96	174.5	37.52	173.9	38.08	172.4	39.19	168.0	39.08
	15.0	13.5	188.0	35.78	186.7	36.90	185.1	38.05	184.5	38.61	183.8	39.17	181.9	40.13	168.0	36.83
196.0 (140%)	-19.3	-20.0	73.4	24.37	73.1	25.31	72.9	26.27	72.8	26.74	72.8	27.23	72.5	28.19	72.2	29.13
	-15.0	-16.0	85.3	25.84	85.2	26.80	84.9	27.79	84.6	28.26	84.6	28.76	84.3	29.72	83.9	30.71
	-12.0	-13.0	94.9	26.95	94.5	27.92	94.0	28.91	93.9	29.41	93.6	29.90	93.3	30.90	93.0	31.87
	-9.0	-10.0	104.5	28.04	104.2	29.04	103.6	30.04	103.3	30.53	103.0	31.05	102.7	32.05	102.1	33.04
	-7.0	-8.0	111.1	28.78	110.7	29.78	110.1	30.80	109.8	31.30	109.5	31.80	108.9	32.82	108.5	33.82
	-5.0	-6.0	117.9	29.51	117.3	30.53	116.7	31.55	116.4	32.05	116.1	32.58	115.5	33.60	114.8	34.60
	-3.0	-4.0	124.8	30.25	124.1	31.28	123.5	32.30	123.2	32.83	122.9	33.33	122.0	34.38	121.4	35.40
	-1.0	-2.0	131.9	30.99	131.0	32.02	130.3	33.07	130.0	33.58	129.5	34.10	128.8	35.15	127.9	36.19
	0.0	-1.0	135.3	31.37	134.4	32.40	133.8	33.45	133.4	33.97	132.9	34.50	132.2	35.53	131.3	36.59
	2.0	1.0	142.5	32.11	141.6	33.17	140.6	34.22	140.3	34.75	139.7	35.28	138.8	36.33	138.1	37.39
	5.0	4.0	153.6	33.23	152.5	34.29	151.5	35.37	151.2	35.90	150.6	36.43	149.6	37.52	148.4	38.58
	7.0	6.0	160.5	33.98	159.3	35.06	158.4	36.15	157.8	36.68	157.2	37.23	156.2	38.30	155.0	39.39
	9.0	7.8	166.8	34.66	165.6	35.75	164.5	36.84	163.9	37.39	163.3	37.93	162.1	39.04	156.6	38.51
	12.0	10.6	176.5	35.75	175.2	36.84	173.9	37.95	173.3	38.51	172.7	39.05	169.8	39.54	156.6	36.31
	15.0	13.5	186.7	36.87	185.2	37.98	183.9	39.10	183.2	39.66	182.4	40.22	169.8	37.26	156.6	34.22
182.0 (130%)	-19.3	-20.0	73.4	24.79	73.1	25.74	72.8	26.70	72.8	27.17	72.7	27.64	72.5	28.60	72.2	29.56
	-15.0	-16.0	85.2	26.34	84.9	27.32	84.6	28.29	84.6	28.76	84.3	29.25	84.0	30.22	83.7	31.19
	-12.0	-13.0	94.6	27.51	94.2	28.48	93.9	29.47	93.6	29.97	93.4	30.46	93.0	31.43	92.7	32.42
	-9.0	-10.0	104.2	28.67	103.9	29.66	103.3	30.66	103.0	31.15	102.7	31.65	102.3	32.67	101.8	33.66
	-7.0	-8.0	110.8	29.44	110.4	30.46	109.8	31.46	109.5	31.96	109.2	32.46	108.6	33.48	108.0	34.48
	-5.0	-6.0	117.6	30.22	117.0	31.24	116.3	32.27	116.0	32.77	115.7	33.27	115.1	34.29	114.5	35.31
	-3.0	-4.0	124.4	31.02	123.6	32.05	122.9	33.07	122.6	33.57	122.3	34.10	121.6	35.12	121.0	36.15
	-1.0	-2.0	131.3	31.80	130.4	32.83	129.7	33.88	129.4	34.38	128.9	34.91	128.2	35.94	127.3	36.99
	0.0	-1.0	134.7	32.20	133.8	33.23	133.1	34.28	132.8	34.79	132.3	35.31	131.6	36.37	130.7	37.40
	2.0	1.0	141.6	32.99	140.9	34.04	140.0	35.09	139.4	35.62	139.1	36.15	138.1	37.18	137.2	38.24
	5.0	4.0	152.7	34.19	151.6	35.25	150.6	36.31	150.2	36.84	149.7	37.39	148.7	38.45	145.6	38.64
	7.0	6.0	159.6	35.00	158.4	36.06	157.4	37.15	156.8	37.68	156.2	38.23	155.2	39.29	145.6	36.99
	9.0	7.8	165.6	35.72	164.5	36.81	163.3	37.89	162.7	38.45	162.1	38.98	157.7	38.76	145.6	35.60
	12.0	10.6	175.2	36.87	173.9	37.98	172.7	39.07	172.0	39.63	169.8	39.54	157.7	36.53	145.6	33.57
	15.0	13.5	185.1	38.08	183.6	39.20	182.0	40.13	175.8	38.70	169.8	37.26	157.7	34.44	145.6	31.65
168.0 (120%)	-19.3	-20.0	73.1	25.28	73.1	26.24	72.8	27.20	72.5	27.67	72.5	28.14	72.2	29.10	72.1	30.04
	-15.0	-16.0	85.0	26.92	84.7	27.89	84.4	28.85	84.3	29.35	84.0	29.84	83.7	30.80	83.4	31.77
	-12.0	-13.0	94.3	28.16	94.0	29.13	93.6	30.12	93.3	30.62	93.3	31.09	92.7	32.08	92.4	33.07
	-9.0	-10.0	103.9	29.38	103.3	30.38	103.0	31.37	102.7	31.87	102.4	32.39	102.0	33.38	101.4	34.38
	-7.0	-8.0	110.4	30.22	109.8	31.22	109.2	32.23	109.2	32.73	108.9	33.23	108.3	34.23	107.7	35.25
	-5.0	-6.0	117.0	31.06	116.4	32.08	115.8	33.08	115.5	33.58	115.1	34.10	114.5	35.10	113.9	36.12
	-3.0	-4.0	123.8	31.90	123.2	32.92	122.3	33.94	122.0	34.44	121.7	34.97	121.0	35.99	120.4	37.00
	-1.0	-2.0	130.6	32.74	129.8	33.76	129.1	34.79	128.5	35.31	128.2	35.84	127.5	36.86	126.6	37.89
	0.0	-1.0	134.0	33.17	133.2	34.19	132.3	35.22	131.9	35.75	131.6	36.27	130.7	37.30	130.0	38.33
	2.0	1.0	140.9	34.01	140.0	35.06	139.1	36.09	138.7	36.62	138.2	37.15	137.2	38.20	133.5	37.98
	5.0	4.0	151.6	35.31	150.6	36.37	149.6	37.42	149.1	37.95	148.7	38.48	145.6	38.64	134.4	35.53
	7.0	6.0	158.3	36.16	157.2	37.24	156.2	38.30	155.6	38.83	155.0	39.38	145.6	36.99	134.4	34.01
	9.0	7.8	164.3	36.96	163.1	38.02	162.1	39.10	161.5	39.64	156.8	38.51	145.6	35.60	134.4	32.74
	12.0	10.6	173.6	38.18	172.4	39.29	168.0	39.08	162.4	37.70	156.8	36.31	145.6	33.57	134.4	30.90
	15.0	13.5	183.3	39.48	179.2	39.47	168.0	36.83	162.4	35.50	156.8	34.22	145.6	31.65	134.4	29.13
154.0 (110%)	-19.3	-20.0	73.1	25.87	72.8	26.83	72.5	27.76	72.5	28.23	72.4	28.72	72.2	29.66	71.9	30.62
	-15.0	-16.0	84.9	27.61	84.6	28.57	84.3	29.54	84.0	30.03	84.0	30.50	83.6	31.46	83.3	32.45
	-12.0	-13.0	94.0	28.92	93.6	29.90	93.3	30.87	93.0	31.37	93.0	31.86	92.4	32.83	92.1	33.82
	-9.0	-10.0	103.6	30.25	103.0	31.24	102.6	32.23	102.3	32.73	102.0	33.23	101.5	34.22	101.1	35.21
	-7.0	-8.0	109.9	31.12	109.5	32.14	108.9	33.14	108.6	33.63	108.3	34.13	107.7	35.13	107.3	36.13
	-5.0	-6.0	116.4	32.02	115.8	33.04	115.2	34.04	114.8	34.54	114.5	35.06	113.9	36.06	113.3	37.08
	-3.0	-4.0	123.2	32.92	122.3	33.94	121.7	34.97	121.3	35.47	121.0	35.97	120.4	36.99	119.5	38.01
	-1.0	-2.0	129.7	33.83	129.1	34.85	128.2	35.88	127.9	36.40	127.5	36.90	126.6	37.93	121.9	37.15
	0.0	-1.0	133.1	34.29	132.3	35.31	131.6	36.34	131.0	36.86	130.7	37.37	129.8	38.42	122.0	36.31
	2.0	1.0	139.7	35.19	139.0	36.24	138.1	37.27	137.6	37.80	137.2	38.32	132.5	37.71	122.3	34.69
	5.0	4.0	150.3	36.59	149.4	37.64	148.4	38.70	147.8	39.22	143.7	38.11	133.4	35.26	123.2	32.46
	7.0	6.0	156.9	37.52	155.9	38.58	154.0	39.26	148.7	37.87	143.7	36.49	133.4	33.76	123.2	31.09
	9.0	7.8	162.7	38.38	161.7	39.44	154.0	37.77	148.7	36.43	143.7	35.12	133.4	32.51	123.2	29.94
	12.0	10.6	171.8	39.70	164.2	38.14	154.0	35.62	148.7	34.38	143.7	33.13	133.4	30.68	123.2	28.26
	15.0	13.5	174.3	38.36	164.2	35.94	154.0	33.57	148.7	32.39	143.7	31.24	133.4	28.94	123.2	26.67

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AJ∗396LALHH

● Capacity : 140.0 kW (44HP)

Total rated cooling capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
140.0 (100%)	-19.3	-20.0	72.8	26.56	72.7	27.51	72.5	28.45	72.4	28.94	72.2	29.41	71.9	30.37	71.8	31.30
	-15.0	-16.0	84.6	28.42	84.3	29.38	84.0	30.35	83.7	30.84	83.7	31.31	83.4	32.27	83.0	33.26
	-12.0	-13.0	93.7	29.84	93.3	30.81	93.0	31.80	92.7	32.27	92.4	32.76	92.1	33.73	91.7	34.72
	-9.0	-10.0	103.0	31.27	102.6	32.24	102.0	33.23	101.8	33.73	101.5	34.22	101.1	35.22	100.5	36.19
	-7.0	-8.0	109.3	32.21	108.9	33.20	108.3	34.20	108.0	34.70	107.7	35.19	107.1	36.19	106.7	37.20
	-5.0	-6.0	115.7	33.17	115.1	34.19	114.5	35.19	114.2	35.69	113.9	36.18	113.3	37.20	110.4	37.05
	-3.0	-4.0	122.3	34.16	121.6	35.16	121.0	36.18	120.4	36.68	120.1	37.18	119.5	38.20	110.5	35.29
	-1.0	-2.0	128.8	35.13	127.9	36.15	127.2	37.17	126.9	37.67	126.6	38.18	120.1	36.56	110.8	33.67
	0.0	-1.0	132.0	35.62	131.3	36.65	130.4	37.67	130.0	38.17	129.4	38.61	120.1	35.72	111.0	32.90
	2.0	1.0	138.7	36.62	137.8	37.64	136.9	38.67	134.4	38.26	129.7	36.87	120.4	34.14	111.1	31.46
	5.0	4.0	149.0	38.11	148.0	39.16	140.0	37.08	135.3	35.78	130.6	34.50	121.3	31.96	112.0	29.44
	7.0	6.0	155.4	39.13	149.3	37.99	140.0	35.50	135.3	34.26	130.6	33.04	121.3	30.62	112.0	28.20
	9.0	7.8	158.6	38.98	149.3	36.56	140.0	34.16	135.3	32.98	130.6	31.80	121.3	29.47	112.0	27.17
	12.0	10.6	158.6	36.77	149.3	34.48	140.0	32.23	135.3	31.12	130.6	30.00	121.3	27.82	112.0	25.65
	15.0	13.5	158.6	34.65	149.3	32.51	140.0	30.40	135.3	29.35	130.6	28.32	121.3	26.24	112.0	24.22
126.0 (90%)	-19.3	-20.0	72.8	27.42	72.5	28.35	72.2	29.31	72.2	29.78	72.1	30.25	71.8	31.21	71.6	32.14
	-15.0	-16.0	84.3	29.41	84.0	30.37	83.7	31.34	83.4	31.83	83.4	32.30	83.0	33.26	82.7	34.22
	-12.0	-13.0	93.3	30.94	92.8	31.92	92.4	32.89	92.3	33.38	92.1	33.85	91.7	34.82	91.2	35.81
	-9.0	-10.0	102.4	32.49	102.0	33.48	101.4	34.44	101.1	34.94	101.1	35.43	100.5	36.42	98.9	36.78
	-7.0	-8.0	108.6	33.52	108.0	34.51	107.6	35.50	107.3	36.00	107.0	36.49	106.4	37.48	99.0	34.95
	-5.0	-6.0	114.8	34.57	114.2	35.56	113.6	36.56	113.3	37.06	113.0	37.55	107.6	36.09	99.3	33.26
	-3.0	-4.0	121.3	35.63	120.5	36.62	119.8	37.64	119.5	38.14	116.1	37.12	107.7	34.39	99.5	31.71
	-1.0	-2.0	127.6	36.68	126.9	37.70	124.7	38.03	120.4	36.72	116.4	35.41	108.0	32.80	99.8	30.25
	0.0	-1.0	130.7	37.24	130.0	38.24	124.8	37.15	120.7	35.88	116.4	34.60	108.2	32.06	99.9	29.57
	2.0	1.0	137.2	38.30	133.5	37.98	125.1	35.50	121.0	34.29	116.7	33.05	108.3	30.65	100.1	28.26
	5.0	4.0	142.8	37.86	134.4	35.53	126.0	33.23	121.7	32.08	117.6	30.94	109.2	28.70	100.8	26.49
	7.0	6.0	142.8	36.25	134.4	34.01	126.0	31.81	121.7	30.72	117.6	29.65	109.2	27.51	100.8	25.40
	9.0	7.8	142.8	34.88	134.4	32.74	126.0	30.62	121.7	29.59	117.6	28.54	109.2	26.49	100.8	24.47
	12.0	10.6	142.8	32.89	134.4	30.90	126.0	28.91	121.7	27.92	117.6	26.96	109.2	25.03	100.8	23.11
	15.0	13.5	142.8	31.02	134.4	29.13	126.0	27.27	121.7	26.36	117.6	25.43	109.2	23.63	100.8	21.83
112.0 (80%)	-19.3	-20.0	72.5	28.47	72.2	29.41	71.9	30.34	71.9	30.83	71.8	31.30	71.5	32.24	71.3	33.17
	-15.0	-16.0	83.9	30.65	83.6	31.61	83.3	32.57	83.1	33.04	83.0	33.51	82.7	34.47	82.2	35.43
	-12.0	-13.0	92.7	32.32	92.4	33.29	91.8	34.25	91.7	34.72	91.5	35.22	91.1	36.18	87.4	35.32
	-9.0	-10.0	101.7	34.01	101.1	34.97	100.8	35.96	100.5	36.43	100.2	36.93	95.2	35.38	87.8	32.62
	-7.0	-8.0	107.7	35.13	107.3	36.12	106.7	37.11	106.4	37.58	102.7	36.28	95.3	33.64	88.0	31.03
	-5.0	-6.0	113.9	36.28	113.2	37.27	110.4	37.05	106.7	35.78	103.0	34.51	95.5	32.02	88.3	29.54
	-3.0	-4.0	120.1	37.45	117.9	37.74	110.5	35.29	106.8	34.08	103.3	32.89	95.8	30.51	88.4	28.17
	-1.0	-2.0	125.7	38.33	118.2	36.00	110.8	33.67	107.1	32.52	103.3	31.38	96.1	29.13	88.7	26.89
	0.0	-1.0	125.7	37.46	118.3	35.16	111.0	32.90	107.3	31.78	103.6	30.68	96.1	28.48	88.7	26.30
	2.0	1.0	126.0	35.78	118.6	33.60	111.1	31.46	107.4	30.38	103.9	29.32	96.4	27.23	89.0	25.15
	5.0	4.0	126.9	33.48	119.4	31.46	112.0	29.44	108.2	28.45	104.5	27.46	97.0	25.50	89.6	23.57
	7.0	6.0	126.9	32.05	119.4	30.13	112.0	28.20	108.2	27.27	104.5	26.33	97.0	24.46	89.6	22.61
	9.0	7.8	126.9	30.87	119.4	29.01	112.0	27.17	108.2	26.27	104.5	25.37	97.0	23.57	89.6	21.80
	12.0	10.6	126.9	29.13	119.4	27.39	112.0	25.65	108.2	24.81	104.5	23.97	97.0	22.27	89.6	20.61
	15.0	13.5	126.9	27.48	119.4	25.84	112.0	24.22	108.2	23.42	104.5	22.63	97.0	21.05	89.6	19.49
98.0 (70%)	-19.3	-20.0	72.2	29.81	71.9	30.75	71.6	31.68	71.6	32.17	71.5	32.63	71.2	33.57	70.9	34.50
	-15.0	-16.0	83.4	32.21	83.0	33.17	82.7	34.13	82.5	34.60	82.4	35.06	82.1	36.02	76.2	33.56
	-12.0	-13.0	92.0	34.06	91.5	35.00	91.1	35.97	90.9	36.46	89.3	36.07	83.0	33.46	76.5	30.88
	-9.0	-10.0	100.8	35.93	100.2	36.89	96.1	35.73	92.8	34.52	89.6	33.33	83.1	30.93	76.8	28.55
	-7.0	-8.0	106.7	37.18	102.7	36.28	96.2	33.95	93.0	32.80	89.9	31.68	83.4	29.41	76.9	27.17
	-5.0	-6.0	109.5	36.72	103.0	34.51	96.5	32.33	93.3	31.24	90.0	30.16	83.7	28.01	77.2	25.87
	-3.0	-4.0	109.6	35.00	103.3	32.89	96.7	30.81	93.4	29.78	90.2	28.76	83.7	26.71	77.4	24.69
	-1.0	-2.0	109.9	33.39	103.3	31.38	97.0	29.41	93.7	28.42	90.5	27.45	84.0	25.50	77.5	23.60
	0.0	-1.0	110.1	32.62	103.6	30.68	97.1	28.73	93.9	27.79	90.6	26.83	84.0	24.94	77.5	23.07
	2.0	1.0	110.2	31.18	103.9	29.32	97.3	27.48	94.0	26.58	90.8	25.66	84.3	23.85	77.8	22.08
	5.0	4.0	111.0	29.19	104.5	27.46	98.0	25.75	94.6	24.90	91.4	24.06	84.9	22.38	78.4	20.71
	7.0	6.0	111.0	27.98	104.5	26.33	98.0	24.69	94.6	23.88	91.4	23.07	84.9	21.46	78.4	19.88
	9.0	7.8	111.0	26.95	104.5	25.37	98.0	23.79	94.6	23.01	91.4	22.23	84.9	20.71	78.4	19.18
	12.0	10.6	111.0	25.46	104.5	23.97	98.0	22.48	94.6	21.76	91.4	21.02	84.9	19.59	78.4	18.16
	15.0	13.5	111.0	24.03	104.5	22.63	98.0	21.24	94.6	20.56	91.4	19.87	84.9	18.51	78.4	17.17
84.0 (60%)	-19.3	-20.0	71.8	31.58	71.5	32.52	71.2	33.45	71.2	33.91	71.0	34.38	70.4	35.08	65.0	32.41
	-15.0	-16.0	82.7	34.28	82.4	35.22	81.8	35.98	79.0	34.76	76.2	33.56	70.9	31.19	65.3	28.80
	-12.0	-13.0	91.1	36.34	87.4	35.32	82.1	33.09	79.3	31.99	76.5	30.88	71.0	28.70	65.6	26.55
	-9.0	-10.0	93.3	34.70	87.8	32.64	82.4	30.59	79.6	29.57	76.8	28.55	71.3	26.56	65.9	24.57
	-7.0	-8.0	93.6	32.98	88.0	31.03	82.5	29.08	79.7	28.11	76.9	27.17	71.5	25.26	66.0	23.38
	-5.0	-6.0	93.7	31.40	88.3	29.54	82.7	27.70	79.9	26.78	77.2	25.87	71.6	24.07	66.2	22.29
	-3.0	-4.0	94.0	29.91	88.4	28.17	82.8	26.43	80.0	25.56	77.4	24.69	71.9	22.98	66.3	21.28
	-1.0	-2.0	94.2	28.57	88.7	26.89	83.1	25.22	80.3	24.41	77.5	23.60	71.9	21.96	66.5	20.34
	0.0	-1.0	94.3	27.92	88.7	26.28	83.1	24.66	80.3	23.88	77.5	23.07	72.1	21.49	66.6	19.90
	2.0	1.0	94.6	26.71	89.0	25.15	83.4	23.60	80.6	22.83	77.8	22.08	72.2	20.56	66.6	19.06
	5.0	4.0	95.2	25.03	89.6	23.57	84.0	22.14	81.1	21.43	78.4	20.71	72.8	19.31	67.2	17.91
	7.0	6.0	95.2	24.00	89.6	22.61	84.0	21.24	81.2	20.56	78.4	19.88	72.8	18.54	67.2	17.20
	9.0	7.8	95.2	23.13	89.6	21.80	84.0	20.49	81.2	19.83	78.4	19.18	72.8	17.88	67.2	16.61
	12.0	10.6	95.2	21.86	89.6	20.61	84.0	19.37	81.2	18.76	78.4	18.16	72.8	16.95	67.2	15.74
	15.0	13.5	95.2	20.65	89.6	19.49	84.0	18.32	81.2	17.75	78.4	17.17	72.8	16.02	67.2	14.90
70.0 (50%)	-19.3	-20.0	71.2	34.04	70.9	34.97	67.8	33.74	65.4	32.63	63.2	31.53	58.8	29.30	54.2	27.12
	-15.0	-16.0	77.2	33.96	72.5	31.97	68.1	29.98	65.7	29.01	63.5	28.02	59.1	26.09	54.4	24.14
	-12.0	-13.0	77.5	31.25	72.8	29.44	68.4	27.62	66.0	26.72	63.8	25.82	59.1	24.04	54.7	22.27
	-9.0	-10.0	77.8	28.89	73.1	27.21	68.5	25.56	66.3	24.73	64.1	23.91	59.4	22.27	54.8	20.65
	-7.0	-8.0	77.8	27.49	73.4	25.90	68.7	24.32	66.3	23.54	64.1	22.76	59.5	21.21	55.0	19.66
	-5.0	-6.0	78.1	26.18	73.4	24.66	68.8	23.17	66.6	22.43	64.4	21.70	59.7	20.22	55.1	18.76
	-3.0	-4.0	78.4	24.97	73.7	23.54	69.1	22.14	66.6	21.42	64.4	20.71	59.8	19.32	55.1	17.94
	-1.0	-2.0	78.4	23.85	73.8	22.51	69.1	21.15	66.9	20.49	64.7	19.81	60.0	18.48	55.4	17.17
	0.0	-1.0	78.5	23.33	74.0	22.01	69.3	20.68	66.9	20.03	64.7	19.38	60.0	18.08	55.4	16.80
	2.0	1.0	78.7	22.33	74.1	21.06	69.4	19.81	67.2	19.19	64.7	18.57	60.1	17.33	55.4	16.11
	5.0	4.0	79.3	20.96	74.6	19.78	70.0	18.60	67.5	18.03	65.3	17.45	60.6	16.30	56.0	15.15
	7.0	6.0	79.3	20.12	74.6	18.97	70.0	17.86	67.5	17.32	65.3	16.76	60.6	15.65	56.0	14.56
	9.0	7.8	79.3	19.40	74.6	18.32	70.0	17.23	67.5	16.70	65.3	16.18	60.6	15.12	56.0	14.07
	12.0	10.6	79.3	18.35	74.6	17.35	70.0	16.33	67.5	15.83	65.3	15.33	60.6	14.34	56.0	13.35
	15.0	13.5	79.3	17.36	74.6	16.42	70.0	15.46	67.5	14.99	65.3	14.53	60.6	13.60	56.0	12.67

TC : Total Capacity kW.

PI : Power Input kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

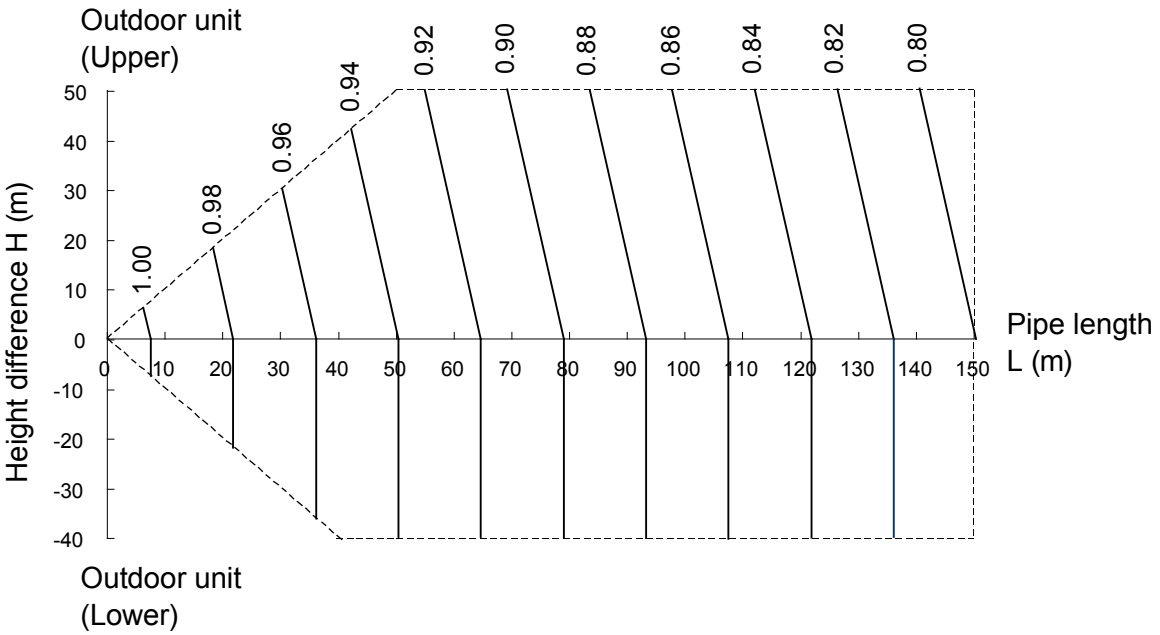
MODEL SELECTION

2-6. CAPACITY COMPENSATION COEFFICIENT

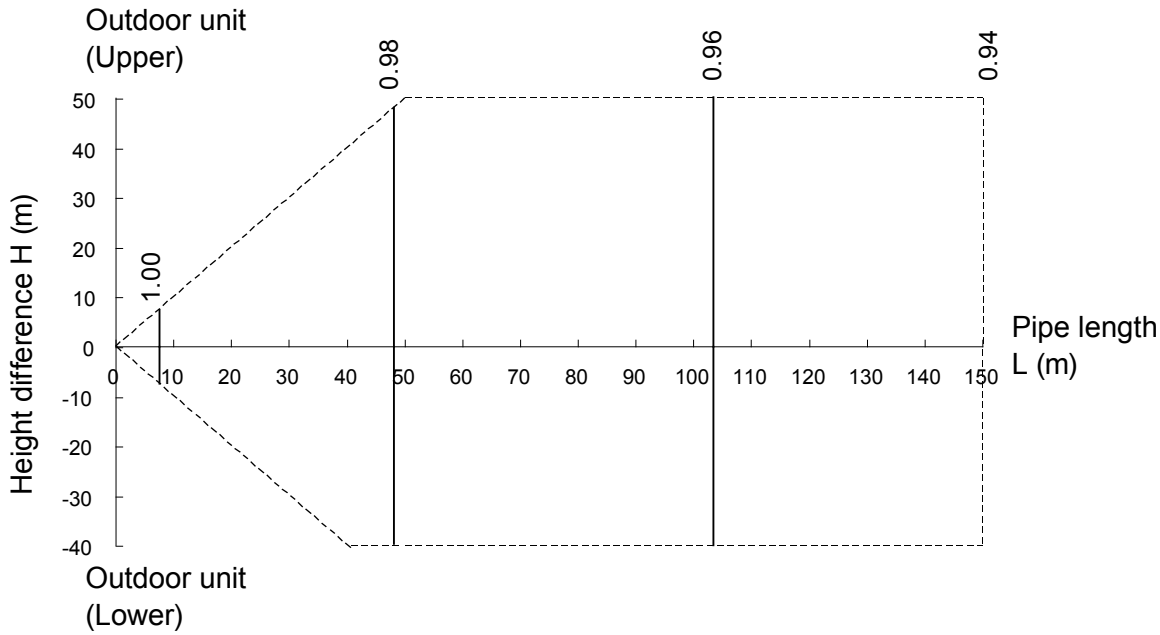
■ COMPENSATION COEFFICIENT OF PIPE LENGTH

The figures give the compensation coefficient of pipe length owing to installation position (pipe length, height difference). Pipe length and height difference are the length and the height difference between the master outdoor unit and indoor unit.

● Cooling



● Heating



■ COMPENSATION COEFFICIENT OF FROSTING / DEFROSTING (HEATING OPERATION)

To take the effects of accumulated frost and defrosting operation on heating capacity into consideration, the capacity of outdoor units should be corrected by compensation coefficient shown in the table below.

Outdoor temperature (°CDB / °CWB)	-15 / -16	-9 / -10	-7 / -8	0 / -1	2 / 1	5 / 4	7 / 6
Compensation coefficient	0.96	0.94	0.92	0.83	0.84	0.90	1.00

2-7. CAPACITY TABLE COOLING (INDOOR UNIT)

2-7-1. COMPACT CASSETTE TYPE

COOLING CAPACITY

■ MODEL : AUXB07

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	1.4	1.2	1.6	1.5	1.8	1.6	2.0	1.7	2.2	1.8	2.4	1.8	2.8	1.9	2.9	2.0
15	1.4	1.2	1.6	1.5	1.8	1.6	2.0	1.7	2.2	1.8	2.4	1.8	2.8	1.9	2.9	2.0
21	1.4	1.2	1.6	1.5	1.8	1.6	2.0	1.7	2.2	1.8	2.4	1.8	2.8	1.9	2.9	2.0
23	1.4	1.2	1.6	1.5	1.8	1.6	2.0	1.7	2.2	1.8	2.4	1.8	2.8	1.9	2.8	2.0
25	1.4	1.2	1.6	1.5	1.8	1.6	2.0	1.7	2.2	1.8	2.4	1.8	2.7	1.9	2.8	2.0
27	1.4	1.2	1.6	1.5	1.8	1.6	2.0	1.7	2.2	1.8	2.4	1.8	2.7	1.9	2.7	2.0
30	1.4	1.2	1.6	1.5	1.8	1.6	2.0	1.7	2.2	1.8	2.4	1.8	2.6	1.8	2.7	1.9
33	1.4	1.2	1.6	1.5	1.8	1.6	2.0	1.7	2.2	1.8	2.4	1.8	2.6	1.8	2.6	1.9
35	1.4	1.2	1.6	1.5	1.8	1.6	2.0	1.7	2.2	1.8	2.4	1.8	2.5	1.8	2.6	1.9
37	1.4	1.2	1.6	1.5	1.8	1.6	2.0	1.7	2.2	1.8	2.4	1.8	2.5	1.8	2.5	1.9
40	1.4	1.2	1.6	1.5	1.8	1.6	2.0	1.7	2.2	1.8	2.3	1.8	2.4	1.8	2.5	1.9
43	1.4	1.2	1.6	1.5	1.8	1.6	2.0	1.7	2.2	1.8	2.3	1.8	2.4	1.8	2.4	1.9
46	1.4	1.2	1.6	1.5	1.8	1.6	2.0	1.7	2.2	1.8	2.2	1.8	2.3	1.7	2.3	1.8

■ MODEL : AUXB09

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	1.8	1.4	2.1	1.7	2.3	1.8	2.6	2.0	2.8	2.1	3.0	2.1	3.5	2.2	3.8	2.4
15	1.8	1.4	2.1	1.7	2.3	1.8	2.6	2.0	2.8	2.1	3.0	2.1	3.5	2.2	3.8	2.4
21	1.8	1.4	2.1	1.7	2.3	1.8	2.6	2.0	2.8	2.1	3.0	2.1	3.5	2.2	3.7	2.3
23	1.8	1.4	2.1	1.7	2.3	1.8	2.6	2.0	2.8	2.1	3.0	2.1	3.5	2.2	3.6	2.3
25	1.8	1.4	2.1	1.7	2.3	1.8	2.6	2.0	2.8	2.1	3.0	2.1	3.5	2.2	3.5	2.3
27	1.8	1.4	2.1	1.7	2.3	1.8	2.6	2.0	2.8	2.1	3.0	2.1	3.4	2.2	3.5	2.3
30	1.8	1.4	2.1	1.7	2.3	1.8	2.6	2.0	2.8	2.1	3.0	2.1	3.4	2.1	3.4	2.2
33	1.8	1.4	2.1	1.7	2.3	1.8	2.6	2.0	2.8	2.1	3.0	2.1	3.3	2.1	3.3	2.2
35	1.8	1.4	2.1	1.7	2.3	1.8	2.6	2.0	2.8	2.1	3.0	2.1	3.2	2.1	3.3	2.2
37	1.8	1.4	2.1	1.7	2.3	1.8	2.6	2.0	2.8	2.1	3.0	2.1	3.2	2.1	3.2	2.2
40	1.8	1.4	2.1	1.7	2.3	1.8	2.6	2.0	2.8	2.1	3.0	2.1	3.1	2.0	3.1	2.1
43	1.8	1.4	2.1	1.7	2.3	1.8	2.6	2.0	2.8	2.1	2.9	2.0	3.0	2.0	3.1	2.1
46	1.8	1.4	2.1	1.7	2.3	1.8	2.6	2.0	2.8	2.0	2.8	2.0	2.9	2.0	3.0	2.1

■ MODEL : AUXB12

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	2.4	1.8	2.7	2.3	3.0	2.4	3.3	2.6	3.6	2.7	3.9	2.7	4.5	2.8	4.8	3.1
15	2.4	1.8	2.7	2.3	3.0	2.4	3.3	2.6	3.6	2.7	3.9	2.7	4.5	2.8	4.8	3.1
21	2.4	1.8	2.7	2.3	3.0	2.4	3.3	2.6	3.6	2.7	3.9	2.7	4.5	2.8	4.7	3.0
23	2.4	1.8	2.7	2.3	3.0	2.4	3.3	2.6	3.6	2.7	3.9	2.7	4.5	2.8	4.6	3.0
25	2.4	1.8	2.7	2.3	3.0	2.4	3.3	2.6	3.6	2.7	3.9	2.7	4.5	2.8	4.6	3.0
27	2.4	1.8	2.7	2.3	3.0	2.4	3.3	2.6	3.6	2.7	3.9	2.7	4.4	2.8	4.5	2.9
30	2.4	1.8	2.7	2.3	3.0	2.4	3.3	2.6	3.6	2.7	3.9	2.7	4.3	2.8	4.4	2.9
33	2.4	1.8	2.7	2.3	3.0	2.4	3.3	2.6	3.6	2.7	3.9	2.7	4.2	2.7	4.3	2.9
35	2.4	1.8	2.7	2.3	3.0	2.4	3.3	2.6	3.6	2.7	3.9	2.7	4.1	2.7	4.2	2.8
37	2.4	1.8	2.7	2.3	3.0	2.4	3.3	2.6	3.6	2.7	3.9	2.7	4.1	2.7	4.1	2.8
40	2.4	1.8	2.7	2.3	3.0	2.4	3.3	2.6	3.6	2.7	3.8	2.7	4.0	2.6	4.0	2.8
43	2.4	1.8	2.7	2.3	3.0	2.4	3.3	2.6	3.6	2.7	3.7	2.7	3.9	2.6	3.9	2.7
46	2.4	1.8	2.7	2.3	3.0	2.4	3.3	2.6	3.5	2.6	3.6	2.6	3.8	2.6	3.8	2.7

TC : Total Capacity kW.
SHC : Sensible Heat Capacity kW.

COOLING CAPACITY

■ MODEL : AUXB14

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	3.0	2.2	3.3	2.7	3.7	2.8	4.1	3.1	4.5	3.2	4.9	3.3	5.6	3.4	6.0	3.7
15	3.0	2.2	3.3	2.7	3.7	2.8	4.1	3.1	4.5	3.2	4.9	3.3	5.6	3.4	6.0	3.7
21	3.0	2.2	3.3	2.7	3.7	2.8	4.1	3.1	4.5	3.2	4.9	3.3	5.6	3.4	5.9	3.6
23	3.0	2.2	3.3	2.7	3.7	2.8	4.1	3.1	4.5	3.2	4.9	3.3	5.6	3.4	5.8	3.6
25	3.0	2.2	3.3	2.7	3.7	2.8	4.1	3.1	4.5	3.2	4.9	3.3	5.6	3.4	5.7	3.6
27	3.0	2.2	3.3	2.7	3.7	2.8	4.1	3.1	4.5	3.2	4.9	3.3	5.5	3.4	5.6	3.5
30	3.0	2.2	3.3	2.7	3.7	2.8	4.1	3.1	4.5	3.2	4.9	3.3	5.4	3.3	5.5	3.5
33	3.0	2.2	3.3	2.7	3.7	2.8	4.1	3.1	4.5	3.2	4.9	3.3	5.3	3.3	5.4	3.4
35	3.0	2.2	3.3	2.7	3.7	2.8	4.1	3.1	4.5	3.2	4.9	3.3	5.2	3.2	5.3	3.4
37	3.0	2.2	3.3	2.7	3.7	2.8	4.1	3.1	4.5	3.2	4.9	3.3	5.1	3.2	5.2	3.4
40	3.0	2.2	3.3	2.7	3.7	2.8	4.1	3.1	4.5	3.2	4.8	3.2	5.0	3.2	5.0	3.3
43	3.0	2.2	3.3	2.7	3.7	2.8	4.1	3.1	4.5	3.2	4.6	3.2	4.8	3.1	4.9	3.3
46	3.0	2.2	3.3	2.7	3.7	2.8	4.1	3.1	4.4	3.2	4.5	3.1	4.7	3.1	4.8	3.2

■ MODEL : AUXB18

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	3.7	2.6	4.2	3.2	4.6	3.4	5.1	3.7	5.6	3.9	6.1	4.0	7.0	4.2	7.5	4.5
15	3.7	2.6	4.2	3.2	4.6	3.4	5.1	3.7	5.6	3.9	6.1	4.0	7.0	4.2	7.5	4.5
21	3.7	2.6	4.2	3.2	4.6	3.4	5.1	3.7	5.6	3.9	6.1	4.0	7.0	4.2	7.3	4.4
23	3.7	2.6	4.2	3.2	4.6	3.4	5.1	3.7	5.6	3.9	6.1	4.0	7.0	4.2	7.2	4.3
25	3.7	2.6	4.2	3.2	4.6	3.4	5.1	3.7	5.6	3.9	6.1	4.0	7.0	4.1	7.1	4.3
27	3.7	2.6	4.2	3.2	4.6	3.4	5.1	3.7	5.6	3.9	6.1	4.0	6.8	4.1	7.0	4.2
30	3.7	2.6	4.2	3.2	4.6	3.4	5.1	3.7	5.6	3.9	6.1	4.0	6.7	4.0	6.8	4.2
33	3.7	2.6	4.2	3.2	4.6	3.4	5.1	3.7	5.6	3.9	6.1	4.0	6.5	4.0	6.7	4.1
35	3.7	2.6	4.2	3.2	4.6	3.4	5.1	3.7	5.6	3.9	6.1	4.0	6.4	3.9	6.5	4.1
37	3.7	2.6	4.2	3.2	4.6	3.4	5.1	3.7	5.6	3.9	6.1	4.0	6.3	3.9	6.4	4.0
40	3.7	2.6	4.2	3.2	4.6	3.4	5.1	3.7	5.6	3.9	5.9	3.9	6.2	3.8	6.3	4.0
43	3.7	2.6	4.2	3.2	4.6	3.4	5.1	3.7	5.6	3.9	5.8	3.8	6.0	3.8	6.1	3.9
46	3.7	2.6	4.2	3.2	4.6	3.4	5.1	3.7	5.5	3.8	5.6	3.8	5.8	3.7	5.9	3.8

■ MODEL : AUXB24

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	4.7	3.5	5.3	4.4	5.9	4.5	6.5	5.0	7.1	5.2	7.7	5.3	8.9	5.5	9.5	5.9
15	4.7	3.5	5.3	4.4	5.9	4.5	6.5	5.0	7.1	5.2	7.7	5.3	8.9	5.5	9.5	5.9
21	4.7	3.5	5.3	4.4	5.9	4.5	6.5	5.0	7.1	5.2	7.7	5.3	8.9	5.5	9.3	5.8
23	4.7	3.5	5.3	4.4	5.9	4.5	6.5	5.0	7.1	5.2	7.7	5.3	8.9	5.5	9.1	5.8
25	4.7	3.5	5.3	4.4	5.9	4.5	6.5	5.0	7.1	5.2	7.7	5.3	8.8	5.5	9.0	5.7
27	4.7	3.5	5.3	4.4	5.9	4.5	6.5	5.0	7.1	5.2	7.7	5.3	8.7	5.4	8.8	5.7
30	4.7	3.5	5.3	4.4	5.9	4.5	6.5	5.0	7.1	5.2	7.7	5.3	8.5	5.3	8.6	5.6
33	4.7	3.5	5.3	4.4	5.9	4.5	6.5	5.0	7.1	5.2	7.7	5.3	8.3	5.3	8.4	5.5
35	4.7	3.5	5.3	4.4	5.9	4.5	6.5	5.0	7.1	5.2	7.7	5.3	8.1	5.2	8.3	5.4
37	4.7	3.5	5.3	4.4	5.9	4.5	6.5	5.0	7.1	5.2	7.7	5.3	8.0	5.2	8.2	5.4
40	4.7	3.5	5.3	4.4	5.9	4.5	6.5	5.0	7.1	5.2	7.5	5.2	7.8	5.1	8.0	5.3
43	4.7	3.5	5.3	4.4	5.9	4.5	6.5	5.0	7.1	5.2	7.3	5.1	7.6	5.0	7.8	5.3
46	4.7	3.5	5.3	4.4	5.9	4.5	6.5	5.0	7.0	5.1	7.1	5.1	7.4	5.0	7.5	5.2

TC : Total Capacity kW.
SHC : Sensible Heat Capacity kW.

2-7-2. CASSETTE TYPE

COOLING CAPACITY

■ MODEL : AUXD18

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	3.7	3.1	4.2	3.9	4.6	4.1	5.1	4.5	5.6	4.6	6.1	4.7	7.0	4.8	7.5	5.2
15	3.7	3.1	4.2	3.9	4.6	4.1	5.1	4.5	5.6	4.6	6.1	4.7	7.0	4.8	7.5	5.2
21	3.7	3.1	4.2	3.9	4.6	4.1	5.1	4.5	5.6	4.6	6.1	4.7	7.0	4.8	7.3	5.2
23	3.7	3.1	4.2	3.9	4.6	4.1	5.1	4.5	5.6	4.6	6.1	4.7	7.0	4.8	7.2	5.1
25	3.7	3.1	4.2	3.9	4.6	4.1	5.1	4.5	5.6	4.6	6.1	4.7	7.0	4.8	7.1	5.1
27	3.7	3.1	4.2	3.9	4.6	4.1	5.1	4.5	5.6	4.6	6.1	4.7	6.8	4.8	7.0	5.0
30	3.7	3.1	4.2	3.9	4.6	4.1	5.1	4.5	5.6	4.6	6.1	4.7	6.7	4.7	6.8	5.0
33	3.7	3.1	4.2	3.9	4.6	4.1	5.1	4.5	5.6	4.6	6.1	4.7	6.5	4.7	6.7	4.9
35	3.7	3.1	4.2	3.9	4.6	4.1	5.1	4.5	5.6	4.6	6.1	4.7	6.4	4.6	6.5	4.9
37	3.7	3.1	4.2	3.9	4.6	4.1	5.1	4.5	5.6	4.6	6.1	4.7	6.3	4.6	6.4	4.9
40	3.7	3.1	4.2	3.9	4.6	4.1	5.1	4.5	5.6	4.6	5.9	4.6	6.2	4.5	6.3	4.8
43	3.7	3.1	4.2	3.9	4.6	4.1	5.1	4.5	5.6	4.6	5.8	4.6	6.0	4.5	6.1	4.8
46	3.7	3.1	4.2	3.9	4.6	4.1	5.1	4.5	5.5	4.6	5.6	4.5	5.8	4.4	5.9	4.7

■ MODEL : AUXD24

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	4.7	3.8	5.3	4.8	5.9	4.9	6.5	5.5	7.1	5.6	7.7	5.7	8.9	5.9	9.5	6.4
15	4.7	3.8	5.3	4.8	5.9	4.9	6.5	5.5	7.1	5.6	7.7	5.7	8.9	5.9	9.5	6.4
21	4.7	3.8	5.3	4.8	5.9	4.9	6.5	5.5	7.1	5.6	7.7	5.7	8.9	5.9	9.3	6.3
23	4.7	3.8	5.3	4.8	5.9	4.9	6.5	5.5	7.1	5.6	7.7	5.7	8.9	5.9	9.1	6.2
25	4.7	3.8	5.3	4.8	5.9	4.9	6.5	5.5	7.1	5.6	7.7	5.7	8.8	5.9	9.0	6.2
27	4.7	3.8	5.3	4.8	5.9	4.9	6.5	5.5	7.1	5.6	7.7	5.7	8.7	5.8	8.8	6.1
30	4.7	3.8	5.3	4.8	5.9	4.9	6.5	5.5	7.1	5.6	7.7	5.7	8.5	5.8	8.6	6.1
33	4.7	3.8	5.3	4.8	5.9	4.9	6.5	5.5	7.1	5.6	7.7	5.7	8.3	5.7	8.4	6.0
35	4.7	3.8	5.3	4.8	5.9	4.9	6.5	5.5	7.1	5.6	7.7	5.7	8.1	5.6	8.3	6.0
37	4.7	3.8	5.3	4.8	5.9	4.9	6.5	5.5	7.1	5.6	7.7	5.7	8.0	5.6	8.2	5.9
40	4.7	3.8	5.3	4.8	5.9	4.9	6.5	5.5	7.1	5.6	7.5	5.7	7.8	5.5	8.0	5.9
43	4.7	3.8	5.3	4.8	5.9	4.9	6.5	5.5	7.1	5.6	7.3	5.6	7.6	5.5	7.8	5.8
46	4.7	3.8	5.3	4.8	5.9	4.9	6.5	5.5	7.0	5.6	7.1	5.5	7.4	5.4	7.5	5.7

TC : Total Capacity kW.
SHC : Sensible Heat Capacity kW.

COOLING CAPACITY

■ MODEL : AUXA30

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	5.9	4.8	6.7	6.0	7.5	6.2	8.2	6.9	9.0	7.1	9.7	7.2	11.3	7.5	12.1	8.0
15	5.9	4.8	6.7	6.0	7.5	6.2	8.2	6.9	9.0	7.1	9.7	7.2	11.3	7.5	12.1	8.0
21	5.9	4.8	6.7	6.0	7.5	6.2	8.2	6.9	9.0	7.1	9.7	7.2	11.3	7.5	11.7	7.9
23	5.9	4.8	6.7	6.0	7.5	6.2	8.2	6.9	9.0	7.1	9.7	7.2	11.3	7.5	11.5	7.9
25	5.9	4.8	6.7	6.0	7.5	6.2	8.2	6.9	9.0	7.1	9.7	7.2	11.2	7.4	11.4	7.8
27	5.9	4.8	6.7	6.0	7.5	6.2	8.2	6.9	9.0	7.1	9.7	7.2	11.0	7.4	11.2	7.7
30	5.9	4.8	6.7	6.0	7.5	6.2	8.2	6.9	9.0	7.1	9.7	7.2	10.8	7.3	11.0	7.6
33	5.9	4.8	6.7	6.0	7.5	6.2	8.2	6.9	9.0	7.1	9.7	7.2	10.5	7.2	10.7	7.6
35	5.9	4.8	6.7	6.0	7.5	6.2	8.2	6.9	9.0	7.1	9.7	7.2	10.3	7.1	10.5	7.5
37	5.9	4.8	6.7	6.0	7.5	6.2	8.2	6.9	9.0	7.1	9.7	7.2	10.2	7.1	10.4	7.4
40	5.9	4.8	6.7	6.0	7.5	6.2	8.2	6.9	9.0	7.1	9.5	7.1	9.9	7.0	10.1	7.4
43	5.9	4.8	6.7	6.0	7.5	6.2	8.2	6.9	9.0	7.1	9.3	7.0	9.6	6.9	9.8	7.3
46	5.9	4.8	6.7	6.0	7.5	6.2	8.2	6.9	8.8	6.9	9.0	7.0	9.4	6.8	9.5	7.2

■ MODEL : AUXA36

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	7.4	5.7	8.3	7.1	9.3	7.4	10.2	8.2	11.2	8.4	12.1	8.6	14.0	8.9	15.0	9.6
15	7.4	5.7	8.3	7.1	9.3	7.4	10.2	8.2	11.2	8.4	12.1	8.6	14.0	8.9	15.0	9.6
21	7.4	5.7	8.3	7.1	9.3	7.4	10.2	8.2	11.2	8.4	12.1	8.6	14.0	8.9	14.6	9.5
23	7.4	5.7	8.3	7.1	9.3	7.4	10.2	8.2	11.2	8.4	12.1	8.6	14.0	8.9	14.4	9.3
25	7.4	5.7	8.3	7.1	9.3	7.4	10.2	8.2	11.2	8.4	12.1	8.6	13.9	8.9	14.2	9.3
27	7.4	5.7	8.3	7.1	9.3	7.4	10.2	8.2	11.2	8.4	12.1	8.6	13.7	8.8	14.0	9.2
30	7.4	5.7	8.3	7.1	9.3	7.4	10.2	8.2	11.2	8.4	12.1	8.6	13.4	8.7	13.6	9.1
33	7.4	5.7	8.3	7.1	9.3	7.4	10.2	8.2	11.2	8.4	12.1	8.6	13.1	8.6	13.3	9.0
35	7.4	5.7	8.3	7.1	9.3	7.4	10.2	8.2	11.2	8.4	12.1	8.6	12.8	8.5	13.1	8.9
37	7.4	5.7	8.3	7.1	9.3	7.4	10.2	8.2	11.2	8.4	12.1	8.6	12.6	8.4	12.9	8.8
40	7.4	5.7	8.3	7.1	9.3	7.4	10.2	8.2	11.2	8.4	11.8	8.5	12.3	8.3	12.6	8.7
43	7.4	5.7	8.3	7.1	9.3	7.4	10.2	8.2	11.2	8.4	11.5	8.4	12.0	8.2	12.2	8.6
46	7.4	5.7	8.3	7.1	9.3	7.4	10.2	8.2	11.0	8.2	11.2	8.2	11.7	8.1	11.9	8.5

■ MODEL : AUXA45

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	8.2	6.3	9.3	7.7	10.4	8.0	11.4	8.9	12.5	9.1	13.5	9.3	15.7	9.7	16.7	10.5
15	8.2	6.3	9.3	7.7	10.4	8.0	11.4	8.9	12.5	9.1	13.5	9.3	15.7	9.7	16.7	10.5
21	8.2	6.3	9.3	7.7	10.4	8.0	11.4	8.9	12.5	9.1	13.5	9.3	15.7	9.7	16.3	10.3
23	8.2	6.3	9.3	7.7	10.4	8.0	11.4	8.9	12.5	9.1	13.5	9.3	15.7	9.7	16.0	10.2
25	8.2	6.3	9.3	7.7	10.4	8.0	11.4	8.9	12.5	9.1	13.5	9.3	15.5	9.7	15.8	10.1
27	8.2	6.3	9.3	7.7	10.4	8.0	11.4	8.9	12.5	9.1	13.5	9.3	15.3	9.6	15.6	10.0
30	8.2	6.3	9.3	7.7	10.4	8.0	11.4	8.9	12.5	9.1	13.5	9.3	15.0	9.5	15.2	9.9
33	8.2	6.3	9.3	7.7	10.4	8.0	11.4	8.9	12.5	9.1	13.5	9.3	14.6	9.3	14.9	9.8
35	8.2	6.3	9.3	7.7	10.4	8.0	11.4	8.9	12.5	9.1	13.5	9.3	14.3	9.2	14.6	9.7
37	8.2	6.3	9.3	7.7	10.4	8.0	11.4	8.9	12.5	9.1	13.5	9.4	14.1	9.1	14.4	9.6
40	8.2	6.3	9.3	7.7	10.4	8.0	11.4	8.9	12.5	9.1	13.2	9.2	13.8	9.0	14.0	9.5
43	8.2	6.3	9.3	7.7	10.4	8.0	11.4	8.9	12.5	9.1	12.9	9.1	13.4	8.9	13.7	9.3
46	8.2	6.3	9.3	7.7	10.4	8.0	11.4	8.9	12.3	9.0	12.5	9.0	13.0	8.8	13.3	9.2

■ MODEL : AUXA54

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	9.2	6.8	10.4	8.4	11.6	8.8	12.8	9.7	14.0	10.0	15.2	10.2	17.6	10.7	18.8	11.5
15	9.2	6.8	10.4	8.4	11.6	8.8	12.8	9.7	14.0	10.0	15.2	10.2	17.6	10.7	18.8	11.5
21	9.2	6.8	10.4	8.4	11.6	8.8	12.8	9.7	14.0	10.0	15.2	10.2	17.6	10.7	18.3	11.3
23	9.2	6.8	10.4	8.4	11.6	8.8	12.8	9.7	14.0	10.0	15.2	10.2	17.6	10.7	18.0	11.1
25	9.2	6.8	10.4	8.4	11.6	8.8	12.8	9.7	14.0	10.0	15.2	10.2	17.4	10.6	17.7	11.0
27	9.2	6.8	10.4	8.4	11.6	8.8	12.8	9.7	14.0	10.0	15.2	10.2	17.1	10.5	17.5	10.9
30	9.2	6.8	10.4	8.4	11.6	8.8	12.8	9.7	14.0	10.0	15.2	10.2	16.8	10.4	17.1	10.8
33	9.2	6.8	10.4	8.4	11.6	8.8	12.8	9.7	14.0	10.0	15.2	10.2	16.4	10.2	16.7	10.6
35	9.2	6.8	10.4	8.4	11.6	8.8	12.8	9.7	14.0	10.0	15.2	10.2	16.1	10.1	16.4	10.5
37	9.2	6.8	10.4	8.4	11.6	8.8	12.8	9.7	14.0	10.0	15.2	10.2	15.8	10.0	16.1	10.4
40	9.2	6.8	10.4	8.4	11.6	8.8	12.8	9.7	14.0	10.0	14.8	10.1	15.4	9.9	15.7	10.3
43	9.2	6.8	10.4	8.4	11.6	8.8	12.8	9.7	14.0	10.0	14.4	9.9	15.0	9.7	15.3	10.2
46	9.2	6.8	10.4	8.4	11.6	8.8	12.8	9.7	13.8	9.8	14.0	9.8	14.6	9.6	14.9	10.0

TC : Total Capacity kW.
SHC : Sensible Heat Capacity kW.

2-7-3. COMPACT DUCT TYPE

COOLING CAPACITY

■ MODEL : ARXB07

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	1.4	1.1	1.6	1.3	1.8	1.4	2.0	1.5	2.2	1.6	2.4	1.6	2.8	1.7	2.9	1.8
15	1.4	1.1	1.6	1.3	1.8	1.4	2.0	1.5	2.2	1.6	2.4	1.6	2.8	1.7	2.9	1.8
21	1.4	1.1	1.6	1.3	1.8	1.4	2.0	1.5	2.2	1.6	2.4	1.6	2.8	1.7	2.9	1.8
23	1.4	1.1	1.6	1.3	1.8	1.4	2.0	1.5	2.2	1.6	2.4	1.6	2.8	1.7	2.8	1.7
25	1.4	1.1	1.6	1.3	1.8	1.4	2.0	1.5	2.2	1.6	2.4	1.6	2.7	1.7	2.8	1.7
27	1.4	1.1	1.6	1.3	1.8	1.4	2.0	1.5	2.2	1.6	2.4	1.6	2.7	1.6	2.7	1.7
30	1.4	1.1	1.6	1.3	1.8	1.4	2.0	1.5	2.2	1.6	2.4	1.6	2.6	1.6	2.7	1.7
33	1.4	1.1	1.6	1.3	1.8	1.4	2.0	1.5	2.2	1.6	2.4	1.6	2.6	1.6	2.6	1.7
35	1.4	1.1	1.6	1.3	1.8	1.4	2.0	1.5	2.2	1.6	2.4	1.6	2.5	1.6	2.6	1.6
37	1.4	1.1	1.6	1.3	1.8	1.4	2.0	1.5	2.2	1.6	2.4	1.6	2.5	1.6	2.5	1.6
40	1.4	1.1	1.6	1.3	1.8	1.4	2.0	1.5	2.2	1.6	2.3	1.6	2.4	1.5	2.5	1.6
43	1.4	1.1	1.6	1.3	1.8	1.4	2.0	1.5	2.2	1.6	2.3	1.6	2.4	1.5	2.4	1.6
46	1.4	1.1	1.6	1.3	1.8	1.4	2.0	1.5	2.2	1.5	2.2	1.5	2.3	1.5	2.3	1.6

■ MODEL : ARXB09

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	1.8	1.4	2.1	1.7	2.3	1.7	2.6	1.9	2.8	2.0	3.0	2.0	3.5	2.1	3.8	2.3
15	1.8	1.4	2.1	1.7	2.3	1.7	2.6	1.9	2.8	2.0	3.0	2.0	3.5	2.1	3.8	2.3
21	1.8	1.4	2.1	1.7	2.3	1.7	2.6	1.9	2.8	2.0	3.0	2.0	3.5	2.1	3.7	2.2
23	1.8	1.4	2.1	1.7	2.3	1.7	2.6	1.9	2.8	2.0	3.0	2.0	3.5	2.1	3.6	2.2
25	1.8	1.4	2.1	1.7	2.3	1.7	2.6	1.9	2.8	2.0	3.0	2.0	3.5	2.1	3.5	2.2
27	1.8	1.4	2.1	1.7	2.3	1.7	2.6	1.9	2.8	2.0	3.0	2.0	3.4	2.1	3.5	2.2
30	1.8	1.4	2.1	1.7	2.3	1.7	2.6	1.9	2.8	2.0	3.0	2.0	3.4	2.1	3.4	2.1
33	1.8	1.4	2.1	1.7	2.3	1.7	2.6	1.9	2.8	2.0	3.0	2.0	3.3	2.0	3.3	2.1
35	1.8	1.4	2.1	1.7	2.3	1.7	2.6	1.9	2.8	2.0	3.0	2.0	3.2	2.0	3.3	2.1
37	1.8	1.4	2.1	1.7	2.3	1.7	2.6	1.9	2.8	2.0	3.0	2.0	3.2	2.0	3.2	2.1
40	1.8	1.4	2.1	1.7	2.3	1.7	2.6	1.9	2.8	2.0	3.0	2.0	3.1	2.0	3.1	2.0
43	1.8	1.4	2.1	1.7	2.3	1.7	2.6	1.9	2.8	2.0	2.9	2.0	3.0	1.9	3.1	2.0
46	1.8	1.4	2.1	1.7	2.3	1.7	2.6	1.9	2.8	2.0	2.8	1.9	2.9	1.9	3.0	2.0

TC : Total Capacity kW.
SHC : Sensible Heat Capacity kW.

COOLING CAPACITY

■ MODEL : ARXB12

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	2.4	1.8	2.7	2.2	3.0	2.3	3.3	2.6	3.6	2.7	3.9	2.7	4.5	2.8	4.8	3.0
15	2.4	1.8	2.7	2.2	3.0	2.3	3.3	2.6	3.6	2.7	3.9	2.7	4.5	2.8	4.8	3.0
21	2.4	1.8	2.7	2.2	3.0	2.3	3.3	2.6	3.6	2.7	3.9	2.7	4.5	2.8	4.7	3.0
23	2.4	1.8	2.7	2.2	3.0	2.3	3.3	2.6	3.6	2.7	3.9	2.7	4.5	2.8	4.6	3.0
25	2.4	1.8	2.7	2.2	3.0	2.3	3.3	2.6	3.6	2.7	3.9	2.7	4.5	2.8	4.6	2.9
27	2.4	1.8	2.7	2.2	3.0	2.3	3.3	2.6	3.6	2.7	3.9	2.7	4.4	2.8	4.5	2.9
30	2.4	1.8	2.7	2.2	3.0	2.3	3.3	2.6	3.6	2.7	3.9	2.7	4.3	2.7	4.4	2.9
33	2.4	1.8	2.7	2.2	3.0	2.3	3.3	2.6	3.6	2.7	3.9	2.7	4.2	2.7	4.3	2.8
35	2.4	1.8	2.7	2.2	3.0	2.3	3.3	2.6	3.6	2.7	3.9	2.7	4.1	2.7	4.2	2.8
37	2.4	1.8	2.7	2.2	3.0	2.3	3.3	2.6	3.6	2.7	3.9	2.7	4.1	2.7	4.1	2.8
40	2.4	1.8	2.7	2.2	3.0	2.3	3.3	2.6	3.6	2.7	3.8	2.7	4.0	2.6	4.0	2.8
43	2.4	1.8	2.7	2.2	3.0	2.3	3.3	2.6	3.6	2.7	3.7	2.6	3.9	2.6	3.9	2.7
46	2.4	1.8	2.7	2.2	3.0	2.3	3.3	2.6	3.5	2.6	3.6	2.6	3.8	2.5	3.8	2.7

■ MODEL : ARXB14

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	3.0	2.4	3.3	2.9	3.7	3.0	4.1	3.4	4.5	3.4	4.9	3.5	5.6	3.6	6.0	3.9
15	3.0	2.4	3.3	2.9	3.7	3.0	4.1	3.4	4.5	3.4	4.9	3.5	5.6	3.6	6.0	3.9
21	3.0	2.4	3.3	2.9	3.7	3.0	4.1	3.4	4.5	3.4	4.9	3.5	5.6	3.6	5.9	3.9
23	3.0	2.4	3.3	2.9	3.7	3.0	4.1	3.4	4.5	3.4	4.9	3.5	5.6	3.6	5.8	3.8
25	3.0	2.4	3.3	2.9	3.7	3.0	4.1	3.4	4.5	3.4	4.9	3.5	5.6	3.6	5.7	3.8
27	3.0	2.4	3.3	2.9	3.7	3.0	4.1	3.4	4.5	3.4	4.9	3.5	5.5	3.6	5.6	3.8
30	3.0	2.4	3.3	2.9	3.7	3.0	4.1	3.4	4.5	3.4	4.9	3.5	5.4	3.5	5.5	3.7
33	3.0	2.4	3.3	2.9	3.7	3.0	4.1	3.4	4.5	3.4	4.9	3.5	5.3	3.5	5.4	3.7
35	3.0	2.4	3.3	2.9	3.7	3.0	4.1	3.4	4.5	3.4	4.9	3.5	5.2	3.5	5.3	3.6
37	3.0	2.4	3.3	2.9	3.7	3.0	4.1	3.4	4.5	3.4	4.9	3.5	5.1	3.4	5.2	3.6
40	3.0	2.4	3.3	2.9	3.7	3.0	4.1	3.4	4.5	3.4	4.8	3.5	5.0	3.4	5.0	3.6
43	3.0	2.4	3.3	2.9	3.7	3.0	4.1	3.4	4.5	3.4	4.6	3.4	4.8	3.4	4.9	3.5
46	3.0	2.4	3.3	2.9	3.7	3.0	4.1	3.4	4.4	3.4	4.5	3.4	4.7	3.3	4.8	3.5

■ MODEL : ARXB18

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	3.7	2.8	4.2	3.4	4.6	3.6	5.1	4.0	5.6	4.1	6.1	4.2	7.0	4.3	7.5	4.7
15	3.7	2.8	4.2	3.4	4.6	3.6	5.1	4.0	5.6	4.1	6.1	4.2	7.0	4.3	7.5	4.7
21	3.7	2.8	4.2	3.4	4.6	3.6	5.1	4.0	5.6	4.1	6.1	4.2	7.0	4.3	7.3	4.6
23	3.7	2.8	4.2	3.4	4.6	3.6	5.1	4.0	5.6	4.1	6.1	4.2	7.0	4.3	7.2	4.5
25	3.7	2.8	4.2	3.4	4.6	3.6	5.1	4.0	5.6	4.1	6.1	4.2	7.0	4.3	7.1	4.5
27	3.7	2.8	4.2	3.4	4.6	3.6	5.1	4.0	5.6	4.1	6.1	4.2	6.8	4.3	7.0	4.5
30	3.7	2.8	4.2	3.4	4.6	3.6	5.1	4.0	5.6	4.1	6.1	4.2	6.7	4.2	6.8	4.4
33	3.7	2.8	4.2	3.4	4.6	3.6	5.1	4.0	5.6	4.1	6.1	4.2	6.5	4.2	6.7	4.3
35	3.7	2.8	4.2	3.4	4.6	3.6	5.1	4.0	5.6	4.1	6.1	4.2	6.4	4.1	6.5	4.3
37	3.7	2.8	4.2	3.4	4.6	3.6	5.1	4.0	5.6	4.1	6.1	4.2	6.3	4.1	6.4	4.3
40	3.7	2.8	4.2	3.4	4.6	3.6	5.1	4.0	5.6	4.1	5.9	4.1	6.2	4.0	6.3	4.2
43	3.7	2.8	4.2	3.4	4.6	3.6	5.1	4.0	5.6	4.1	5.8	4.1	6.0	4.0	6.1	4.2
46	3.7	2.8	4.2	3.4	4.6	3.6	5.1	4.0	5.5	4.1	5.6	4.0	5.8	3.9	5.9	4.1

TC : Total Capacity kW.
SHC : Sensible Heat Capacity kW.

2-7-4. LOW STATIC PRESSURE DUCT TYPE

COOLING CAPACITY

■ MODEL : ARXB24

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	4.7	3.6	5.3	4.4	5.9	4.6	6.5	5.1	7.1	5.2	7.7	5.3	8.9	5.6	9.5	6.0
15	4.7	3.6	5.3	4.4	5.9	4.6	6.5	5.1	7.1	5.2	7.7	5.3	8.9	5.6	9.5	6.0
21	4.7	3.6	5.3	4.4	5.9	4.6	6.5	5.1	7.1	5.2	7.7	5.3	8.9	5.6	9.3	5.9
23	4.7	3.6	5.3	4.4	5.9	4.6	6.5	5.1	7.1	5.2	7.7	5.3	8.9	5.6	9.1	5.8
25	4.7	3.6	5.3	4.4	5.9	4.6	6.5	5.1	7.1	5.2	7.7	5.3	8.8	5.6	9.0	5.8
27	4.7	3.6	5.3	4.4	5.9	4.6	6.5	5.1	7.1	5.2	7.7	5.3	8.7	5.5	8.8	5.7
30	4.7	3.6	5.3	4.4	5.9	4.6	6.5	5.1	7.1	5.2	7.7	5.3	8.5	5.4	8.6	5.7
33	4.7	3.6	5.3	4.4	5.9	4.6	6.5	5.1	7.1	5.2	7.7	5.3	8.3	5.3	8.4	5.6
35	4.7	3.6	5.3	4.4	5.9	4.6	6.5	5.1	7.1	5.2	7.7	5.3	8.1	5.3	8.3	5.5
37	4.7	3.6	5.3	4.4	5.9	4.6	6.5	5.1	7.1	5.2	7.7	5.3	8.0	5.2	8.2	5.5
40	4.7	3.6	5.3	4.4	5.9	4.6	6.5	5.1	7.1	5.2	7.5	5.3	7.8	5.2	8.0	5.4
43	4.7	3.6	5.3	4.4	5.9	4.6	6.5	5.1	7.1	5.2	7.3	5.2	7.6	5.1	7.8	5.4
46	4.7	3.6	5.3	4.4	5.9	4.6	6.5	5.1	7.0	5.2	7.1	5.1	7.4	5.0	7.5	5.3

■ MODEL : ARXB30

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	5.9	4.6	6.7	5.6	7.5	5.9	8.2	6.5	9.0	6.7	9.7	6.8	11.3	7.1	12.1	7.6
15	5.9	4.6	6.7	5.6	7.5	5.9	8.2	6.5	9.0	6.7	9.7	6.8	11.3	7.1	12.1	7.6
21	5.9	4.6	6.7	5.6	7.5	5.9	8.2	6.5	9.0	6.7	9.7	6.8	11.3	7.1	11.7	7.5
23	5.9	4.6	6.7	5.6	7.5	5.9	8.2	6.5	9.0	6.7	9.7	6.8	11.3	7.1	11.5	7.4
25	5.9	4.6	6.7	5.6	7.5	5.9	8.2	6.5	9.0	6.7	9.7	6.8	11.2	7.1	11.4	7.4
27	5.9	4.6	6.7	5.6	7.5	5.9	8.2	6.5	9.0	6.7	9.7	6.8	11.0	7.0	11.2	7.3
30	5.9	4.6	6.7	5.6	7.5	5.9	8.2	6.5	9.0	6.7	9.7	6.8	10.8	6.9	11.0	7.2
33	5.9	4.6	6.7	5.6	7.5	5.9	8.2	6.5	9.0	6.7	9.7	6.8	10.5	6.8	10.7	7.1
35	5.9	4.6	6.7	5.6	7.5	5.9	8.2	6.5	9.0	6.7	9.7	6.8	10.3	6.7	10.5	7.0
37	5.9	4.6	6.7	5.6	7.5	5.9	8.2	6.5	9.0	6.7	9.7	6.8	10.2	6.7	10.4	7.0
40	5.9	4.6	6.7	5.6	7.5	5.9	8.2	6.5	9.0	6.7	9.5	6.7	9.9	6.6	10.1	6.9
43	5.9	4.6	6.7	5.6	7.5	5.9	8.2	6.5	9.0	6.7	9.3	6.6	9.6	6.5	9.8	6.8
46	5.9	4.6	6.7	5.6	7.5	5.9	8.2	6.5	8.8	6.6	9.0	6.5	9.4	6.4	9.5	6.7

■ MODEL : ARXB36

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	7.4	5.6	8.3	6.9	9.3	7.2	10.2	8.0	11.2	8.2	12.1	8.4	14.0	8.7	15.0	9.4
15	7.4	5.6	8.3	6.9	9.3	7.2	10.2	8.0	11.2	8.2	12.1	8.4	14.0	8.7	15.0	9.4
21	7.4	5.6	8.3	6.9	9.3	7.2	10.2	8.0	11.2	8.2	12.1	8.4	14.0	8.7	14.6	9.3
23	7.4	5.6	8.3	6.9	9.3	7.2	10.2	8.0	11.2	8.2	12.1	8.4	14.0	8.7	14.4	9.2
25	7.4	5.6	8.3	6.9	9.3	7.2	10.2	8.0	11.2	8.2	12.1	8.4	13.9	8.7	14.2	9.1
27	7.4	5.6	8.3	6.9	9.3	7.2	10.2	8.0	11.2	8.2	12.1	8.4	13.7	8.6	14.0	9.0
30	7.4	5.6	8.3	6.9	9.3	7.2	10.2	8.0	11.2	8.2	12.1	8.4	13.4	8.5	13.6	8.9
33	7.4	5.6	8.3	6.9	9.3	7.2	10.2	8.0	11.2	8.2	12.1	8.4	13.1	8.4	13.3	8.8
35	7.4	5.6	8.3	6.9	9.3	7.2	10.2	8.0	11.2	8.2	12.1	8.4	12.8	8.3	13.1	8.7
37	7.4	5.6	8.3	6.9	9.3	7.2	10.2	8.0	11.2	8.2	12.1	8.4	12.6	8.2	12.9	8.6
40	7.4	5.6	8.3	6.9	9.3	7.2	10.2	8.0	11.2	8.2	11.8	8.3	12.3	8.1	12.6	8.5
43	7.4	5.6	8.3	6.9	9.3	7.2	10.2	8.0	11.2	8.2	11.5	8.2	12.0	8.0	12.2	8.4
46	7.4	5.6	8.3	6.9	9.3	7.2	10.2	8.0	11.0	8.2	11.2	8.0	11.7	7.9	11.9	8.3

■ MODEL : ARXB45

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	8.2	6.4	9.3	7.9	10.4	8.2	11.4	9.0	12.5	9.3	13.5	9.5	15.7	9.9	16.7	10.6
15	8.2	6.4	9.3	7.9	10.4	8.2	11.4	9.0	12.5	9.3	13.5	9.5	15.7	9.9	16.7	10.6
21	8.2	6.4	9.3	7.9	10.4	8.2	11.4	9.0	12.5	9.3	13.5	9.5	15.7	9.9	16.3	10.5
23	8.2	6.4	9.3	7.9	10.4	8.2	11.4	9.0	12.5	9.3	13.5	9.5	15.7	9.9	16.0	10.4
25	8.2	6.4	9.3	7.9	10.4	8.2	11.4	9.0	12.5	9.3	13.5	9.5	15.5	9.8	15.8	10.3
27	8.2	6.4	9.3	7.9	10.4	8.2	11.4	9.0	12.5	9.3	13.5	9.5	15.3	9.7	15.6	10.2
30	8.2	6.4	9.3	7.9	10.4	8.2	11.4	9.0	12.5	9.3	13.5	9.5	15.0	9.6	15.2	10.0
33	8.2	6.4	9.3	7.9	10.4	8.2	11.4	9.0	12.5	9.3	13.5	9.5	14.6	9.5	14.9	9.9
35	8.2	6.4	9.3	7.9	10.4	8.2	11.4	9.0	12.5	9.3	13.5	9.5	14.3	9.4	14.6	9.8
37	8.2	6.4	9.3	7.9	10.4	8.2	11.4	9.0	12.5	9.3	13.5	9.5	14.1	9.3	14.4	9.7
40	8.2	6.4	9.3	7.9	10.4	8.2	11.4	9.0	12.5	9.3	13.2	9.4	13.8	9.2	14.0	9.6
43	8.2	6.4	9.3	7.9	10.4	8.2	11.4	9.0	12.5	9.3	12.9	9.3	13.4	9.0	13.7	9.5
46	8.2	6.4	9.3	7.9	10.4	8.2	11.4	9.0	12.3	9.2	12.5	9.1	13.0	8.9	13.3	9.4

TC : Total Capacity kW.

SHC : Sensible Heat Capacity kW.

2-7-5. DUCT TYPE

COOLING CAPACITY

■ MODEL : ARXA24

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	4.7	3.8	5.3	4.7	5.9	4.9	6.5	5.4	7.1	5.6	7.7	5.7	8.9	5.9	9.5	6.3
15	4.7	3.8	5.3	4.7	5.9	4.9	6.5	5.4	7.1	5.6	7.7	5.7	8.9	5.9	9.5	6.3
21	4.7	3.8	5.3	4.7	5.9	4.9	6.5	5.4	7.1	5.6	7.7	5.7	8.9	5.9	9.3	6.2
23	4.7	3.8	5.3	4.7	5.9	4.9	6.5	5.4	7.1	5.6	7.7	5.7	8.9	5.9	9.1	6.2
25	4.7	3.8	5.3	4.7	5.9	4.9	6.5	5.4	7.1	5.6	7.7	5.7	8.8	5.8	9.0	6.1
27	4.7	3.8	5.3	4.7	5.9	4.9	6.5	5.4	7.1	5.6	7.7	5.7	8.7	5.8	8.8	6.1
30	4.7	3.8	5.3	4.7	5.9	4.9	6.5	5.4	7.1	5.6	7.7	5.7	8.5	5.7	8.6	6.0
33	4.7	3.8	5.3	4.7	5.9	4.9	6.5	5.4	7.1	5.6	7.7	5.7	8.3	5.7	8.4	5.9
35	4.7	3.8	5.3	4.7	5.9	4.9	6.5	5.4	7.1	5.6	7.7	5.7	8.1	5.6	8.3	5.9
37	4.7	3.8	5.3	4.7	5.9	4.9	6.5	5.4	7.1	5.6	7.7	5.7	8.0	5.5	8.2	5.8
40	4.7	3.8	5.3	4.7	5.9	4.9	6.5	5.4	7.1	5.6	7.5	5.6	7.8	5.5	8.0	5.8
43	4.7	3.8	5.3	4.7	5.9	4.9	6.5	5.4	7.1	5.6	7.3	5.5	7.6	5.4	7.8	5.7
46	4.7	3.8	5.3	4.7	5.9	4.9	6.5	5.4	7.0	5.5	7.1	5.5	7.4	5.3	7.5	5.6

■ MODEL : ARXA30

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	5.9	4.4	6.7	5.4	7.5	5.6	8.2	6.2	9.0	6.4	9.7	6.5	11.3	6.8	12.1	7.3
15	5.9	4.4	6.7	5.4	7.5	5.6	8.2	6.2	9.0	6.4	9.7	6.5	11.3	6.8	12.1	7.3
21	5.9	4.4	6.7	5.4	7.5	5.6	8.2	6.2	9.0	6.4	9.7	6.5	11.3	6.8	11.7	7.2
23	5.9	4.4	6.7	5.4	7.5	5.6	8.2	6.2	9.0	6.4	9.7	6.5	11.3	6.8	11.5	7.1
25	5.9	4.4	6.7	5.4	7.5	5.6	8.2	6.2	9.0	6.4	9.7	6.5	11.2	6.8	11.4	7.0
27	5.9	4.4	6.7	5.4	7.5	5.6	8.2	6.2	9.0	6.4	9.7	6.5	11.0	6.7	11.2	7.0
30	5.9	4.4	6.7	5.4	7.5	5.6	8.2	6.2	9.0	6.4	9.7	6.5	10.8	6.6	11.0	6.9
33	5.9	4.4	6.7	5.4	7.5	5.6	8.2	6.2	9.0	6.4	9.7	6.5	10.5	6.5	10.7	6.8
35	5.9	4.4	6.7	5.4	7.5	5.6	8.2	6.2	9.0	6.4	9.7	6.5	10.3	6.4	10.5	6.7
37	5.9	4.4	6.7	5.4	7.5	5.6	8.2	6.2	9.0	6.4	9.7	6.5	10.2	6.4	10.4	6.6
40	5.9	4.4	6.7	5.4	7.5	5.6	8.2	6.2	9.0	6.4	9.5	6.4	9.9	6.3	10.1	6.6
43	5.9	4.4	6.7	5.4	7.5	5.6	8.2	6.2	9.0	6.4	9.3	6.3	9.6	6.2	9.8	6.5
46	5.9	4.4	6.7	5.4	7.5	5.6	8.2	6.2	8.8	6.3	9.0	6.2	9.4	6.1	9.5	6.4

■ MODEL : ARXA36

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	7.4	5.6	8.3	6.9	9.3	7.2	10.2	7.9	11.2	8.2	12.1	8.3	14.0	8.7	15.0	9.3
15	7.4	5.6	8.3	6.9	9.3	7.2	10.2	7.9	11.2	8.2	12.1	8.3	14.0	8.7	15.0	9.3
21	7.4	5.6	8.3	6.9	9.3	7.2	10.2	7.9	11.2	8.2	12.1	8.3	14.0	8.7	14.6	9.2
23	7.4	5.6	8.3	6.9	9.3	7.2	10.2	7.9	11.2	8.2	12.1	8.3	14.0	8.7	14.4	9.1
25	7.4	5.6	8.3	6.9	9.3	7.2	10.2	7.9	11.2	8.2	12.1	8.3	13.9	8.7	14.2	9.0
27	7.4	5.6	8.3	6.9	9.3	7.2	10.2	7.9	11.2	8.2	12.1	8.3	13.7	8.6	14.0	8.9
30	7.4	5.6	8.3	6.9	9.3	7.2	10.2	7.9	11.2	8.2	12.1	8.3	13.4	8.4	13.6	8.8
33	7.4	5.6	8.3	6.9	9.3	7.2	10.2	7.9	11.2	8.2	12.1	8.3	13.1	8.3	13.3	8.7
35	7.4	5.6	8.3	6.9	9.3	7.2	10.2	7.9	11.2	8.2	12.1	8.3	12.8	8.2	13.1	8.6
37	7.4	5.6	8.3	6.9	9.3	7.2	10.2	7.9	11.2	8.2	12.1	8.3	12.6	8.2	12.9	8.5
40	7.4	5.6	8.3	6.9	9.3	7.2	10.2	7.9	11.2	8.2	11.8	8.2	12.3	8.0	12.6	8.4
43	7.4	5.6	8.3	6.9	9.3	7.2	10.2	7.9	11.2	8.2	11.5	8.1	12.0	7.9	12.2	8.3
46	7.4	5.6	8.3	6.9	9.3	7.2	10.2	7.9	11.0	8.1	11.2	8.0	11.7	7.8	11.9	8.2

■ MODEL : ARXA45

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	8.2	6.1	9.3	7.5	10.4	7.8	11.4	8.6	12.5	8.9	13.5	9.1	15.7	9.5	16.7	10.2
15	8.2	6.1	9.3	7.5	10.4	7.8	11.4	8.6	12.5	8.9	13.5	9.1	15.7	9.5	16.7	10.2
21	8.2	6.1	9.3	7.5	10.4	7.8	11.4	8.6	12.5	8.9	13.5	9.1	15.7	9.5	16.3	10.0
23	8.2	6.1	9.3	7.5	10.4	7.8	11.4	8.6	12.5	8.9	13.5	9.1	15.7	9.5	16.0	9.9
25	8.2	6.1	9.3	7.5	10.4	7.8	11.4	8.6	12.5	8.9	13.5	9.1	15.5	9.4	15.8	9.8
27	8.2	6.1	9.3	7.5	10.4	7.8	11.4	8.6	12.5	8.9	13.5	9.1	15.3	9.3	15.6	9.7
30	8.2	6.1	9.3	7.5	10.4	7.8	11.4	8.6	12.5	8.9	13.5	9.1	15.0	9.2	15.2	9.6
33	8.2	6.1	9.3	7.5	10.4	7.8	11.4	8.6	12.5	8.9	13.5	9.1	14.6	9.1	14.9	9.4
35	8.2	6.1	9.3	7.5	10.4	7.8	11.4	8.6	12.5	8.9	13.5	9.1	14.3	8.9	14.6	9.3
37	8.2	6.1	9.3	7.5	10.4	7.8	11.4	8.6	12.5	8.9	13.5	9.1	14.1	8.9	14.4	9.3
40	8.2	6.1	9.3	7.5	10.4	7.8	11.4	8.6	12.5	8.9	13.2	9.0	13.8	8.7	14.0	9.1
43	8.2	6.1	9.3	7.5	10.4	7.8	11.4	8.6	12.5	8.9	12.9	8.8	13.4	8.6	13.7	9.0
46	8.2	6.1	9.3	7.5	10.4	7.8	11.4	8.6	12.3	8.8	12.5	8.7	13.0	8.5	13.3	8.9

TC : Total Capacity kW.
SHC : Sensible Heat Capacity kW.

2-7-6. HIGH STATIC PRESSURE DUCT TYPE

COOLING CAPACITY

■ MODEL : ARXC36

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	7.4	6.0	8.3	7.4	9.3	7.7	10.2	8.5	11.2	8.7	12.1	8.9	14.0	9.3	15.0	10.0
15	7.4	6.0	8.3	7.4	9.3	7.7	10.2	8.5	11.2	8.7	12.1	8.9	14.0	9.3	15.0	10.0
21	7.4	6.0	8.3	7.4	9.3	7.7	10.2	8.5	11.2	8.7	12.1	8.9	14.0	9.3	14.6	9.8
23	7.4	6.0	8.3	7.4	9.3	7.7	10.2	8.5	11.2	8.7	12.1	8.9	14.0	9.3	14.4	9.7
25	7.4	6.0	8.3	7.4	9.3	7.7	10.2	8.5	11.2	8.7	12.1	8.9	13.9	9.2	14.2	9.7
27	7.4	6.0	8.3	7.4	9.3	7.7	10.2	8.5	11.2	8.7	12.1	8.9	13.7	9.1	14.0	9.6
30	7.4	6.0	8.3	7.4	9.3	7.7	10.2	8.5	11.2	8.7	12.1	8.9	13.4	9.0	13.6	9.5
33	7.4	6.0	8.3	7.4	9.3	7.7	10.2	8.5	11.2	8.7	12.1	8.9	13.1	8.9	13.3	9.4
35	7.4	6.0	8.3	7.4	9.3	7.7	10.2	8.5	11.2	8.7	12.1	8.9	12.8	8.8	13.1	9.3
37	7.4	6.0	8.3	7.4	9.3	7.7	10.2	8.5	11.2	8.7	12.1	8.9	12.6	8.7	12.9	9.2
40	7.4	6.0	8.3	7.4	9.3	7.7	10.2	8.5	11.2	8.7	11.8	8.8	12.3	8.6	12.6	9.1
43	7.4	6.0	8.3	7.4	9.3	7.7	10.2	8.5	11.2	8.7	11.5	8.7	12.0	8.5	12.2	9.0
46	7.4	6.0	8.3	7.4	9.3	7.7	10.2	8.5	11.0	8.6	11.2	8.6	11.7	8.4	11.9	8.9

■ MODEL : ARXC45

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	8.2	7.3	9.3	9.2	10.4	9.5	11.4	10.5	12.5	10.8	13.5	10.9	15.7	11.3	16.7	12.2
15	8.2	7.3	9.3	9.2	10.4	9.5	11.4	10.5	12.5	10.8	13.5	10.9	15.7	11.3	16.7	12.2
21	8.2	7.3	9.3	9.2	10.4	9.5	11.4	10.5	12.5	10.8	13.5	10.9	15.7	11.3	16.3	12.0
23	8.2	7.3	9.3	9.2	10.4	9.5	11.4	10.5	12.5	10.8	13.5	10.9	15.7	11.3	16.0	11.9
25	8.2	7.3	9.3	9.2	10.4	9.5	11.4	10.5	12.5	10.8	13.5	10.9	15.5	11.2	15.8	11.8
27	8.2	7.3	9.3	9.2	10.4	9.5	11.4	10.5	12.5	10.8	13.5	10.9	15.3	11.1	15.6	11.8
30	8.2	7.3	9.3	9.2	10.4	9.5	11.4	10.5	12.5	10.8	13.5	10.9	15.0	11.0	15.2	11.6
33	8.2	7.3	9.3	9.2	10.4	9.5	11.4	10.5	12.5	10.8	13.5	10.9	14.6	10.9	14.9	11.5
35	8.2	7.3	9.3	9.2	10.4	9.5	11.4	10.5	12.5	10.8	13.5	10.9	14.3	10.8	14.6	11.4
37	8.2	7.3	9.3	9.2	10.4	9.5	11.4	10.5	12.5	10.8	13.5	10.9	14.1	10.7	14.4	11.4
40	8.2	7.3	9.3	9.2	10.4	9.5	11.4	10.5	12.5	10.8	13.2	10.8	13.8	10.6	14.0	11.3
43	8.2	7.3	9.3	9.2	10.4	9.5	11.4	10.5	12.5	10.8	12.9	10.7	13.4	10.5	13.7	11.2
46	8.2	7.3	9.3	9.2	10.4	9.5	11.4	10.5	12.3	10.6	12.5	10.6	13.0	10.4	13.3	11.1

■ MODEL : ARXC60

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	11.8	9.7	13.4	12.2	14.9	12.6	16.5	13.9	18.0	14.3	19.5	14.6	22.6	15.1	24.1	16.2
15	11.8	9.7	13.4	12.2	14.9	12.6	16.5	13.9	18.0	14.3	19.5	14.6	22.6	15.1	24.1	16.2
21	11.8	9.7	13.4	12.2	14.9	12.6	16.5	13.9	18.0	14.3	19.5	14.6	22.6	15.1	23.5	16.0
23	11.8	9.7	13.4	12.2	14.9	12.6	16.5	13.9	18.0	14.3	19.5	14.6	22.6	15.1	23.1	15.9
25	11.8	9.7	13.4	12.2	14.9	12.6	16.5	13.9	18.0	14.3	19.5	14.6	22.4	15.0	22.8	15.8
27	11.8	9.7	13.4	12.2	14.9	12.6	16.5	13.9	18.0	14.3	19.5	14.6	22.0	14.8	22.4	15.6
30	11.8	9.7	13.4	12.2	14.9	12.6	16.5	13.9	18.0	14.3	19.5	14.6	21.5	14.7	21.9	15.5
33	11.8	9.7	13.4	12.2	14.9	12.6	16.5	13.9	18.0	14.3	19.5	14.6	21.0	14.5	21.4	15.3
35	11.8	9.7	13.4	12.2	14.9	12.6	16.5	13.9	18.0	14.3	19.5	14.6	20.6	14.4	21.0	15.1
37	11.8	9.7	13.4	12.2	14.9	12.6	16.5	13.9	18.0	14.3	19.5	14.6	20.3	14.3	20.7	15.1
40	11.8	9.7	13.4	12.2	14.9	12.6	16.5	13.9	18.0	14.3	19.0	14.4	19.8	14.1	20.2	14.9
43	11.8	9.7	13.4	12.2	14.9	12.6	16.5	13.9	18.0	14.3	18.5	14.2	19.3	13.9	19.7	14.7
46	11.8	9.7	13.4	12.2	14.9	12.6	16.5	13.9	17.7	14.0	18.0	14.1	18.8	13.8	19.1	14.6

TC : Total Capacity kW.
SHC : Sensible Heat Capacity kW.

COOLING CAPACITY

■ MODEL : ARXC72

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	14.7	12.1	16.6	15.1	18.6	15.7	20.5	17.3	22.4	17.8	24.2	18.1	28.1	18.8	30.0	20.2
15	14.7	12.1	16.6	15.1	18.6	15.7	20.5	17.3	22.4	17.8	24.2	18.1	28.1	18.8	30.0	20.2
21	14.7	12.1	16.6	15.1	18.6	15.7	20.5	17.3	22.4	17.8	24.2	18.1	28.1	18.8	29.2	20.0
23	14.7	12.1	16.6	15.1	18.6	15.7	20.5	17.3	22.4	17.8	24.2	18.1	28.1	18.8	28.7	19.8
25	14.7	12.1	16.6	15.1	18.6	15.7	20.5	17.3	22.4	17.8	24.2	18.1	27.8	18.7	28.3	19.6
27	14.7	12.1	16.6	15.1	18.6	15.7	20.5	17.3	22.4	17.8	24.2	18.1	27.4	18.5	27.9	19.5
30	14.7	12.1	16.6	15.1	18.6	15.7	20.5	17.3	22.4	17.8	24.2	18.1	26.8	18.3	27.3	19.2
33	14.7	12.1	16.6	15.1	18.6	15.7	20.5	17.3	22.4	17.8	24.2	18.1	26.2	18.1	26.6	19.0
35	14.7	12.1	16.6	15.1	18.6	15.7	20.5	17.3	22.4	17.8	24.2	18.1	25.7	17.9	26.2	18.8
37	14.7	12.1	16.6	15.1	18.6	15.7	20.5	17.3	22.4	17.8	24.2	18.1	25.3	17.8	25.8	18.7
40	14.7	12.1	16.6	15.1	18.6	15.7	20.5	17.3	22.4	17.8	23.7	17.9	24.6	17.6	25.1	18.5
43	14.7	12.1	16.6	15.1	18.6	15.7	20.5	17.3	22.4	17.8	23.0	17.7	24.0	17.4	24.5	18.3
46	14.7	12.1	16.6	15.1	18.6	15.7	20.5	17.3	22.0	17.5	22.4	17.5	23.4	17.2	23.8	18.1

■ MODEL : ARXC90

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	16.4	12.6	18.6	15.6	20.7	16.2	22.9	17.9	25.0	18.4	27.1	18.8	31.3	19.6	33.5	21.1
15	16.4	12.6	18.6	15.6	20.7	16.2	22.9	17.9	25.0	18.4	27.1	18.8	31.3	19.6	33.5	21.1
21	16.4	12.6	18.6	15.6	20.7	16.2	22.9	17.9	25.0	18.4	27.1	18.8	31.3	19.6	32.6	20.8
23	16.4	12.6	18.6	15.6	20.7	16.2	22.9	17.9	25.0	18.4	27.1	18.8	31.3	19.6	32.1	20.5
25	16.4	12.6	18.6	15.6	20.7	16.2	22.9	17.9	25.0	18.4	27.1	18.8	31.1	19.5	31.6	20.3
27	16.4	12.6	18.6	15.6	20.7	16.2	22.9	17.9	25.0	18.4	27.1	18.8	30.5	19.3	31.2	20.2
30	16.4	12.6	18.6	15.6	20.7	16.2	22.9	17.9	25.0	18.4	27.1	18.8	29.9	19.0	30.4	19.9
33	16.4	12.6	18.6	15.6	20.7	16.2	22.9	17.9	25.0	18.4	27.1	18.8	29.2	18.8	29.7	19.6
35	16.4	12.6	18.6	15.6	20.7	16.2	22.9	17.9	25.0	18.4	27.1	18.8	28.7	18.6	29.2	19.4
37	16.4	12.6	18.6	15.6	20.7	16.2	22.9	17.9	25.0	18.4	27.1	18.8	28.2	18.4	28.8	19.3
40	16.4	12.6	18.6	15.6	20.7	16.2	22.9	17.9	25.0	18.4	26.4	18.6	27.5	18.2	28.0	19.1
43	16.4	12.6	18.6	15.6	20.7	16.2	22.9	17.9	25.0	18.4	25.7	18.3	26.8	17.9	27.3	18.8
46	16.4	12.6	18.6	15.6	20.7	16.2	22.9	17.9	24.6	18.1	25.0	18.1	26.1	17.7	26.5	18.6

TC : Total Capacity kW.
SHC : Sensible Heat Capacity kW.

2-7-7. FLOOR / CEILING TYPE

COOLING CAPACITY

■ MODEL : AB∗A12

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	2.4	1.9	2.7	2.3	3.0	2.4	3.3	2.7	3.6	2.7	3.9	2.8	4.5	2.9	4.8	3.1
15	2.4	1.9	2.7	2.3	3.0	2.4	3.3	2.7	3.6	2.7	3.9	2.8	4.5	2.9	4.8	3.1
21	2.4	1.9	2.7	2.3	3.0	2.4	3.3	2.7	3.6	2.7	3.9	2.8	4.5	2.9	4.7	3.1
23	2.4	1.9	2.7	2.3	3.0	2.4	3.3	2.7	3.6	2.7	3.9	2.8	4.5	2.9	4.6	3.1
25	2.4	1.9	2.7	2.3	3.0	2.4	3.3	2.7	3.6	2.7	3.9	2.8	4.5	2.9	4.6	3.0
27	2.4	1.9	2.7	2.3	3.0	2.4	3.3	2.7	3.6	2.7	3.9	2.8	4.4	2.9	4.5	3.0
30	2.4	1.9	2.7	2.3	3.0	2.4	3.3	2.7	3.6	2.7	3.9	2.8	4.3	2.8	4.4	3.0
33	2.4	1.9	2.7	2.3	3.0	2.4	3.3	2.7	3.6	2.7	3.9	2.8	4.2	2.8	4.3	2.9
35	2.4	1.9	2.7	2.3	3.0	2.4	3.3	2.7	3.6	2.7	3.9	2.8	4.1	2.8	4.2	2.9
37	2.4	1.9	2.7	2.3	3.0	2.4	3.3	2.7	3.6	2.7	3.9	2.8	4.1	2.7	4.1	2.9
40	2.4	1.9	2.7	2.3	3.0	2.4	3.3	2.7	3.6	2.7	3.8	2.8	4.0	2.7	4.0	2.9
43	2.4	1.9	2.7	2.3	3.0	2.4	3.3	2.7	3.6	2.7	3.7	2.7	3.9	2.7	3.9	2.8
46	2.4	1.9	2.7	2.3	3.0	2.4	3.3	2.7	3.5	2.7	3.6	2.7	3.8	2.6	3.8	2.8

■ MODEL : AB∗A14

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	2.6	2.0	3.0	2.5	3.3	2.6	3.7	2.8	4.0	2.9	4.3	3.0	5.0	3.1	5.4	3.3
15	2.6	2.0	3.0	2.5	3.3	2.6	3.7	2.8	4.0	2.9	4.3	3.0	5.0	3.1	5.4	3.3
21	2.6	2.0	3.0	2.5	3.3	2.6	3.7	2.8	4.0	2.9	4.3	3.0	5.0	3.1	5.2	3.3
23	2.6	2.0	3.0	2.5	3.3	2.6	3.7	2.8	4.0	2.9	4.3	3.0	5.0	3.1	5.1	3.2
25	2.6	2.0	3.0	2.5	3.3	2.6	3.7	2.8	4.0	2.9	4.3	3.0	5.0	3.1	5.1	3.2
27	2.6	2.0	3.0	2.5	3.3	2.6	3.7	2.8	4.0	2.9	4.3	3.0	4.9	3.1	5.0	3.2
30	2.6	2.0	3.0	2.5	3.3	2.6	3.7	2.8	4.0	2.9	4.3	3.0	4.8	3.0	4.9	3.1
33	2.6	2.0	3.0	2.5	3.3	2.6	3.7	2.8	4.0	2.9	4.3	3.0	4.7	3.0	4.8	3.1
35	2.6	2.0	3.0	2.5	3.3	2.6	3.7	2.8	4.0	2.9	4.3	3.0	4.6	2.9	4.7	3.1
37	2.6	2.0	3.0	2.5	3.3	2.6	3.7	2.8	4.0	2.9	4.3	3.0	4.5	2.9	4.6	3.0
40	2.6	2.0	3.0	2.5	3.3	2.6	3.7	2.8	4.0	2.9	4.2	2.9	4.4	2.9	4.5	3.0
43	2.6	2.0	3.0	2.5	3.3	2.6	3.7	2.8	4.0	2.9	4.1	2.9	4.3	2.8	4.4	3.0
46	2.6	2.0	3.0	2.5	3.3	2.6	3.7	2.8	3.9	2.9	4.0	2.9	4.2	2.8	4.2	2.9

■ MODEL : AB∗A18

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	3.7	2.7	4.2	3.3	4.6	3.5	5.1	3.8	5.6	4.0	6.1	4.1	7.0	4.2	7.5	4.5
15	3.7	2.7	4.2	3.3	4.6	3.5	5.1	3.8	5.6	4.0	6.1	4.1	7.0	4.2	7.5	4.5
21	3.7	2.7	4.2	3.3	4.6	3.5	5.1	3.8	5.6	4.0	6.1	4.1	7.0	4.2	7.3	4.5
23	3.7	2.7	4.2	3.3	4.6	3.5	5.1	3.8	5.6	4.0	6.1	4.1	7.0	4.2	7.2	4.4
25	3.7	2.7	4.2	3.3	4.6	3.5	5.1	3.8	5.6	4.0	6.1	4.1	7.0	4.2	7.1	4.4
27	3.7	2.7	4.2	3.3	4.6	3.5	5.1	3.8	5.6	4.0	6.1	4.1	6.8	4.2	7.0	4.3
30	3.7	2.7	4.2	3.3	4.6	3.5	5.1	3.8	5.6	4.0	6.1	4.1	6.7	4.1	6.8	4.3
33	3.7	2.7	4.2	3.3	4.6	3.5	5.1	3.8	5.6	4.0	6.1	4.1	6.5	4.0	6.7	4.2
35	3.7	2.7	4.2	3.3	4.6	3.5	5.1	3.8	5.6	4.0	6.1	4.1	6.4	4.0	6.5	4.2
37	3.7	2.7	4.2	3.3	4.6	3.5	5.1	3.8	5.6	4.0	6.1	4.1	6.3	4.0	6.4	4.1
40	3.7	2.7	4.2	3.3	4.6	3.5	5.1	3.8	5.6	4.0	5.9	4.0	6.2	3.9	6.3	4.1
43	3.7	2.7	4.2	3.3	4.6	3.5	5.1	3.8	5.6	4.0	5.8	3.9	6.0	3.8	6.1	4.0
46	3.7	2.7	4.2	3.3	4.6	3.5	5.1	3.8	5.5	3.9	5.6	3.9	5.8	3.8	5.9	4.0

■ MODEL : AB∗A24

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	4.7	3.3	5.3	4.0	5.9	4.2	6.5	4.6	7.1	4.8	7.7	4.9	8.9	5.2	9.5	5.6
15	4.7	3.3	5.3	4.0	5.9	4.2	6.5	4.6	7.1	4.8	7.7	4.9	8.9	5.2	9.5	5.6
21	4.7	3.3	5.3	4.0	5.9	4.2	6.5	4.6	7.1	4.8	7.7	4.9	8.9	5.2	9.3	5.5
23	4.7	3.3	5.3	4.0	5.9	4.2	6.5	4.6	7.1	4.8	7.7	4.9	8.9	5.2	9.1	5.4
25	4.7	3.3	5.3	4.0	5.9	4.2	6.5	4.6	7.1	4.8	7.7	4.9	8.8	5.2	9.0	5.3
27	4.7	3.3	5.3	4.0	5.9	4.2	6.5	4.6	7.1	4.8	7.7	4.9	8.7	5.1	8.8	5.3
30	4.7	3.3	5.3	4.0	5.9	4.2	6.5	4.6	7.1	4.8	7.7	4.9	8.5	5.0	8.6	5.2
33	4.7	3.3	5.3	4.0	5.9	4.2	6.5	4.6	7.1	4.8	7.7	4.9	8.3	4.9	8.4	5.1
35	4.7	3.3	5.3	4.0	5.9	4.2	6.5	4.6	7.1	4.8	7.7	4.9	8.1	4.9	8.3	5.1
37	4.7	3.3	5.3	4.0	5.9	4.2	6.5	4.6	7.1	4.8	7.7	4.9	8.0	4.8	8.2	5.0
40	4.7	3.3	5.3	4.0	5.9	4.2	6.5	4.6	7.1	4.8	7.5	4.9	7.8	4.7	8.0	4.9
43	4.7	3.3	5.3	4.0	5.9	4.2	6.5	4.6	7.1	4.8	7.3	4.8	7.6	4.7	7.8	4.9
46	4.7	3.3	5.3	4.0	5.9	4.2	6.5	4.6	7.0	4.7	7.1	4.7	7.4	4.6	7.5	4.8

TC : Total Capacity kW.
SHC : Sensible Heat Capacity kW.

2-7-8. CEILING TYPE

COOLING CAPACITY

■ MODEL : AB∗A30

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	5.9	4.6	6.7	5.7	7.5	5.9	8.2	6.6	9.0	6.8	9.7	6.9	11.3	7.2	12.1	7.7
15	5.9	4.6	6.7	5.7	7.5	5.9	8.2	6.6	9.0	6.8	9.7	6.9	11.3	7.2	12.1	7.7
21	5.9	4.6	6.7	5.7	7.5	5.9	8.2	6.6	9.0	6.8	9.7	6.9	11.3	7.2	11.7	7.6
23	5.9	4.6	6.7	5.7	7.5	5.9	8.2	6.6	9.0	6.8	9.7	6.9	11.3	7.2	11.5	7.5
25	5.9	4.6	6.7	5.7	7.5	5.9	8.2	6.6	9.0	6.8	9.7	6.9	11.2	7.1	11.4	7.5
27	5.9	4.6	6.7	5.7	7.5	5.9	8.2	6.6	9.0	6.8	9.7	6.9	11.0	7.1	11.2	7.4
30	5.9	4.6	6.7	5.7	7.5	5.9	8.2	6.6	9.0	6.8	9.7	6.9	10.8	7.0	11.0	7.3
33	5.9	4.6	6.7	5.7	7.5	5.9	8.2	6.6	9.0	6.8	9.7	6.9	10.5	6.9	10.7	7.2
35	5.9	4.6	6.7	5.7	7.5	5.9	8.2	6.6	9.0	6.8	9.7	6.9	10.3	6.8	10.5	7.1
37	5.9	4.6	6.7	5.7	7.5	5.9	8.2	6.6	9.0	6.8	9.7	6.9	10.2	6.8	10.4	7.1
40	5.9	4.6	6.7	5.7	7.5	5.9	8.2	6.6	9.0	6.8	9.5	6.8	9.9	6.7	10.1	7.0
43	5.9	4.6	6.7	5.7	7.5	5.9	8.2	6.6	9.0	6.8	9.3	6.7	9.6	6.6	9.8	6.9
46	5.9	4.6	6.7	5.7	7.5	5.9	8.2	6.6	8.8	6.6	9.0	6.6	9.4	6.5	9.5	6.8

■ MODEL : AB∗A36

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	7.4	5.5	8.3	6.8	9.3	7.1	10.2	7.9	11.2	8.1	12.1	8.3	14.0	8.7	15.0	9.3
15	7.4	5.5	8.3	6.8	9.3	7.1	10.2	7.9	11.2	8.1	12.1	8.3	14.0	8.7	15.0	9.3
21	7.4	5.5	8.3	6.8	9.3	7.1	10.2	7.9	11.2	8.1	12.1	8.3	14.0	8.7	14.6	9.2
23	7.4	5.5	8.3	6.8	9.3	7.1	10.2	7.9	11.2	8.1	12.1	8.3	14.0	8.7	14.4	9.0
25	7.4	5.5	8.3	6.8	9.3	7.1	10.2	7.9	11.2	8.1	12.1	8.3	13.9	8.6	14.2	9.0
27	7.4	5.5	8.3	6.8	9.3	7.1	10.2	7.9	11.2	8.1	12.1	8.3	13.7	8.5	14.0	8.9
30	7.4	5.5	8.3	6.8	9.3	7.1	10.2	7.9	11.2	8.1	12.1	8.3	13.4	8.4	13.6	8.8
33	7.4	5.5	8.3	6.8	9.3	7.1	10.2	7.9	11.2	8.1	12.1	8.3	13.1	8.3	13.3	8.6
35	7.4	5.5	8.3	6.8	9.3	7.1	10.2	7.9	11.2	8.1	12.1	8.3	12.8	8.2	13.1	8.6
37	7.4	5.5	8.3	6.8	9.3	7.1	10.2	7.9	11.2	8.1	12.1	8.3	12.6	8.1	12.9	8.5
40	7.4	5.5	8.3	6.8	9.3	7.1	10.2	7.9	11.2	8.1	11.8	8.2	12.3	8.0	12.6	8.4
43	7.4	5.5	8.3	6.8	9.3	7.1	10.2	7.9	11.2	8.1	11.5	8.1	12.0	7.9	12.2	8.3
46	7.4	5.5	8.3	6.8	9.3	7.1	10.2	7.9	11.0	8.0	11.2	7.9	11.7	7.8	11.9	8.2

■ MODEL : AB∗A45

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	8.2	6.2	9.3	7.6	10.4	7.9	11.4	8.8	12.5	9.0	13.5	9.3	15.7	9.7	16.7	10.4
15	8.2	6.2	9.3	7.6	10.4	7.9	11.4	8.8	12.5	9.0	13.5	9.3	15.7	9.7	16.7	10.4
21	8.2	6.2	9.3	7.6	10.4	7.9	11.4	8.8	12.5	9.0	13.5	9.3	15.7	9.7	16.3	10.2
23	8.2	6.2	9.3	7.6	10.4	7.9	11.4	8.8	12.5	9.0	13.5	9.3	15.7	9.7	16.0	10.1
25	8.2	6.2	9.3	7.6	10.4	7.9	11.4	8.8	12.5	9.0	13.5	9.3	15.5	9.6	15.8	10.0
27	8.2	6.2	9.3	7.6	10.4	7.9	11.4	8.8	12.5	9.0	13.5	9.3	15.3	9.5	15.6	9.9
30	8.2	6.2	9.3	7.6	10.4	7.9	11.4	8.8	12.5	9.0	13.5	9.3	15.0	9.4	15.2	9.8
33	8.2	6.2	9.3	7.6	10.4	7.9	11.4	8.8	12.5	9.0	13.5	9.3	14.6	9.2	14.9	9.6
35	8.2	6.2	9.3	7.6	10.4	7.9	11.4	8.8	12.5	9.0	13.5	9.3	14.3	9.1	14.6	9.5
37	8.2	6.2	9.3	7.6	10.4	7.9	11.4	8.8	12.5	9.0	13.5	9.3	14.1	9.1	14.4	9.5
40	8.2	6.2	9.3	7.6	10.4	7.9	11.4	8.8	12.5	9.0	13.2	9.1	13.8	8.9	14.0	9.3
43	8.2	6.2	9.3	7.6	10.4	7.9	11.4	8.8	12.5	9.0	12.9	9.0	13.4	8.8	13.7	9.2
46	8.2	6.2	9.3	7.6	10.4	7.9	11.4	8.8	12.3	8.9	12.5	8.9	13.0	8.7	13.3	9.1

■ MODEL : AB∗A54

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	9.2	7.1	10.4	8.8	11.6	9.1	12.8	10.1	14.0	10.4	15.2	10.6	17.6	11.1	18.8	11.9
15	9.2	7.1	10.4	8.8	11.6	9.1	12.8	10.1	14.0	10.4	15.2	10.6	17.6	11.1	18.8	11.9
21	9.2	7.1	10.4	8.8	11.6	9.1	12.8	10.1	14.0	10.4	15.2	10.6	17.6	11.1	18.3	11.7
23	9.2	7.1	10.4	8.8	11.6	9.1	12.8	10.1	14.0	10.4	15.2	10.6	17.6	11.1	18.0	11.6
25	9.2	7.1	10.4	8.8	11.6	9.1	12.8	10.1	14.0	10.4	15.2	10.6	17.4	11.0	17.7	11.5
27	9.2	7.1	10.4	8.8	11.6	9.1	12.8	10.1	14.0	10.4	15.2	10.6	17.1	10.9	17.5	11.4
30	9.2	7.1	10.4	8.8	11.6	9.1	12.8	10.1	14.0	10.4	15.2	10.6	16.8	10.7	17.1	11.2
33	9.2	7.1	10.4	8.8	11.6	9.1	12.8	10.1	14.0	10.4	15.2	10.6	16.4	10.6	16.7	11.1
35	9.2	7.1	10.4	8.8	11.6	9.1	12.8	10.1	14.0	10.4	15.2	10.6	16.1	10.5	16.4	11.0
37	9.2	7.1	10.4	8.8	11.6	9.1	12.8	10.1	14.0	10.4	15.2	10.6	15.8	10.4	16.1	10.9
40	9.2	7.1	10.4	8.8	11.6	9.1	12.8	10.1	14.0	10.4	14.8	10.5	15.4	10.3	15.7	10.8
43	9.2	7.1	10.4	8.8	11.6	9.1	12.8	10.1	14.0	10.4	14.4	10.3	15.0	10.1	15.3	10.6
46	9.2	7.1	10.4	8.8	11.6	9.1	12.8	10.1	13.8	10.2	14.0	10.2	14.6	10.0	14.9	10.5

TC : Total Capacity kW.
SHC : Sensible Heat Capacity kW.

2-7-9. COMPACT WALL MOUNTED TYPE (EEV internal model)

COOLING CAPACITY

■ MODEL : AS∗A07

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	1.4	1.2	1.6	1.6	1.8	1.6	2.0	1.8	2.2	1.8	2.4	1.9	2.8	1.9	2.9	2.1
15	1.4	1.2	1.6	1.6	1.8	1.6	2.0	1.8	2.2	1.8	2.4	1.9	2.8	1.9	2.9	2.1
21	1.4	1.2	1.6	1.6	1.8	1.6	2.0	1.8	2.2	1.8	2.4	1.9	2.8	1.9	2.9	2.0
23	1.4	1.2	1.6	1.6	1.8	1.6	2.0	1.8	2.2	1.8	2.4	1.9	2.8	1.9	2.8	2.0
25	1.4	1.2	1.6	1.6	1.8	1.6	2.0	1.8	2.2	1.8	2.4	1.9	2.7	1.9	2.8	2.0
27	1.4	1.2	1.6	1.6	1.8	1.6	2.0	1.8	2.2	1.8	2.4	1.9	2.7	1.9	2.7	2.0
30	1.4	1.2	1.6	1.6	1.8	1.6	2.0	1.8	2.2	1.8	2.4	1.9	2.6	1.9	2.7	2.0
33	1.4	1.2	1.6	1.6	1.8	1.6	2.0	1.8	2.2	1.8	2.4	1.9	2.6	1.9	2.6	2.0
35	1.4	1.2	1.6	1.6	1.8	1.6	2.0	1.8	2.2	1.8	2.4	1.9	2.5	1.8	2.6	1.9
37	1.4	1.2	1.6	1.6	1.8	1.6	2.0	1.8	2.2	1.8	2.4	1.9	2.5	1.8	2.5	1.9
40	1.4	1.2	1.6	1.6	1.8	1.6	2.0	1.8	2.2	1.8	2.3	1.8	2.4	1.8	2.5	1.9
43	1.4	1.2	1.6	1.6	1.8	1.6	2.0	1.8	2.2	1.8	2.3	1.8	2.4	1.8	2.4	1.9
46	1.4	1.2	1.6	1.6	1.8	1.6	2.0	1.8	2.2	1.8	2.2	1.8	2.3	1.8	2.3	1.9

■ MODEL : AS∗A09

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	1.8	1.5	2.1	1.9	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.5	2.3	3.8	2.5
15	1.8	1.5	2.1	1.9	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.5	2.3	3.8	2.5
21	1.8	1.5	2.1	1.9	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.5	2.3	3.7	2.5
23	1.8	1.5	2.1	1.9	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.5	2.3	3.6	2.5
25	1.8	1.5	2.1	1.9	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.5	2.3	3.5	2.4
27	1.8	1.5	2.1	1.9	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.4	2.3	3.5	2.4
30	1.8	1.5	2.1	1.9	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.4	2.3	3.4	2.4
33	1.8	1.5	2.1	1.9	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.3	2.2	3.3	2.4
35	1.8	1.5	2.1	1.9	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.2	2.2	3.3	2.3
37	1.8	1.5	2.1	1.9	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.2	2.2	3.2	2.3
40	1.8	1.5	2.1	1.9	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.1	2.2	3.1	2.3
43	1.8	1.5	2.1	1.9	2.3	1.9	2.6	2.1	2.8	2.2	2.9	2.2	3.0	2.2	3.1	2.3
46	1.8	1.5	2.1	1.9	2.3	1.9	2.6	2.1	2.8	2.2	2.8	2.2	2.9	2.1	3.0	2.2

■ MODEL : AS∗A12

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	2.4	1.8	2.7	2.3	3.0	2.3	3.3	2.6	3.6	2.7	3.9	2.7	4.5	2.8	4.8	3.0
15	2.4	1.8	2.7	2.3	3.0	2.3	3.3	2.6	3.6	2.7	3.9	2.7	4.5	2.8	4.8	3.0
21	2.4	1.8	2.7	2.3	3.0	2.3	3.3	2.6	3.6	2.7	3.9	2.7	4.5	2.8	4.7	3.0
23	2.4	1.8	2.7	2.3	3.0	2.3	3.3	2.6	3.6	2.7	3.9	2.7	4.5	2.8	4.6	3.0
25	2.4	1.8	2.7	2.3	3.0	2.3	3.3	2.6	3.6	2.7	3.9	2.7	4.5	2.8	4.6	2.9
27	2.4	1.8	2.7	2.3	3.0	2.3	3.3	2.6	3.6	2.7	3.9	2.7	4.4	2.8	4.5	2.9
30	2.4	1.8	2.7	2.3	3.0	2.3	3.3	2.6	3.6	2.7	3.9	2.7	4.3	2.8	4.4	2.9
33	2.4	1.8	2.7	2.3	3.0	2.3	3.3	2.6	3.6	2.7	3.9	2.7	4.2	2.7	4.3	2.8
35	2.4	1.8	2.7	2.3	3.0	2.3	3.3	2.6	3.6	2.7	3.9	2.7	4.1	2.7	4.2	2.8
37	2.4	1.8	2.7	2.3	3.0	2.3	3.3	2.6	3.6	2.7	3.9	2.7	4.1	2.7	4.1	2.8
40	2.4	1.8	2.7	2.3	3.0	2.3	3.3	2.6	3.6	2.7	3.8	2.7	4.0	2.6	4.0	2.8
43	2.4	1.8	2.7	2.3	3.0	2.3	3.3	2.6	3.6	2.7	3.7	2.6	3.9	2.6	3.9	2.7
46	2.4	1.8	2.7	2.3	3.0	2.3	3.3	2.6	3.5	2.6	3.6	2.6	3.8	2.6	3.8	2.7

■ MODEL : AS∗A14

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	3.0	2.2	3.3	2.8	3.7	2.9	4.1	3.2	4.5	3.3	4.9	3.3	5.6	3.5	6.0	3.7
15	3.0	2.2	3.3	2.8	3.7	2.9	4.1	3.2	4.5	3.3	4.9	3.3	5.6	3.5	6.0	3.7
21	3.0	2.2	3.3	2.8	3.7	2.9	4.1	3.2	4.5	3.3	4.9	3.3	5.6	3.5	5.9	3.7
23	3.0	2.2	3.3	2.8	3.7	2.9	4.1	3.2	4.5	3.3	4.9	3.3	5.6	3.5	5.8	3.6
25	3.0	2.2	3.3	2.8	3.7	2.9	4.1	3.2	4.5	3.3	4.9	3.3	5.6	3.5	5.7	3.6
27	3.0	2.2	3.3	2.8	3.7	2.9	4.1	3.2	4.5	3.3	4.9	3.3	5.5	3.4	5.6	3.6
30	3.0	2.2	3.3	2.8	3.7	2.9	4.1	3.2	4.5	3.3	4.9	3.3	5.4	3.4	5.5	3.5
33	3.0	2.2	3.3	2.8	3.7	2.9	4.1	3.2	4.5	3.3	4.9	3.3	5.3	3.3	5.4	3.5
35	3.0	2.2	3.3	2.8	3.7	2.9	4.1	3.2	4.5	3.3	4.9	3.3	5.2	3.3	5.3	3.4
37	3.0	2.2	3.3	2.8	3.7	2.9	4.1	3.2	4.5	3.3	4.9	3.3	5.1	3.3	5.2	3.4
40	3.0	2.2	3.3	2.8	3.7	2.9	4.1	3.2	4.5	3.3	4.8	3.3	5.0	3.2	5.0	3.4
43	3.0	2.2	3.3	2.8	3.7	2.9	4.1	3.2	4.5	3.3	4.6	3.3	4.8	3.2	4.9	3.3
46	3.0	2.2	3.3	2.8	3.7	2.9	4.1	3.2	4.4	3.2	4.5	3.2	4.7	3.1	4.8	3.3

TC : Total Capacity kW.
SHC : Sensible Heat Capacity kW.

2-7-10. COMPACT WALL MOUNTED TYPE (EEV external model)

COOLING CAPACITY

■ MODEL : AS∗E07

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	1.4	1.2	1.6	1.6	1.8	1.6	2.0	1.8	2.2	1.8	2.4	1.9	2.8	1.9	2.9	2.1
15	1.4	1.2	1.6	1.6	1.8	1.6	2.0	1.8	2.2	1.8	2.4	1.9	2.8	1.9	2.9	2.1
21	1.4	1.2	1.6	1.6	1.8	1.6	2.0	1.8	2.2	1.8	2.4	1.9	2.8	1.9	2.9	2.0
23	1.4	1.2	1.6	1.6	1.8	1.6	2.0	1.8	2.2	1.8	2.4	1.9	2.8	1.9	2.8	2.0
25	1.4	1.2	1.6	1.6	1.8	1.6	2.0	1.8	2.2	1.8	2.4	1.9	2.7	1.9	2.8	2.0
27	1.4	1.2	1.6	1.6	1.8	1.6	2.0	1.8	2.2	1.8	2.4	1.9	2.7	1.9	2.7	2.0
30	1.4	1.2	1.6	1.6	1.8	1.6	2.0	1.8	2.2	1.8	2.4	1.9	2.6	1.9	2.7	2.0
33	1.4	1.2	1.6	1.6	1.8	1.6	2.0	1.8	2.2	1.8	2.4	1.9	2.6	1.9	2.6	2.0
35	1.4	1.2	1.6	1.6	1.8	1.6	2.0	1.8	2.2	1.8	2.4	1.9	2.5	1.8	2.6	1.9
37	1.4	1.2	1.6	1.6	1.8	1.6	2.0	1.8	2.2	1.8	2.4	1.9	2.5	1.8	2.5	1.9
40	1.4	1.2	1.6	1.6	1.8	1.6	2.0	1.8	2.2	1.8	2.3	1.8	2.4	1.8	2.5	1.9
43	1.4	1.2	1.6	1.6	1.8	1.6	2.0	1.8	2.2	1.8	2.3	1.8	2.4	1.8	2.4	1.9
46	1.4	1.2	1.6	1.6	1.8	1.6	2.0	1.8	2.2	1.8	2.2	1.8	2.3	1.8	2.3	1.9

■ MODEL : AS∗E09

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	1.8	1.5	2.1	1.9	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.5	2.3	3.8	2.5
15	1.8	1.5	2.1	1.9	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.5	2.3	3.8	2.5
21	1.8	1.5	2.1	1.9	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.5	2.3	3.7	2.5
23	1.8	1.5	2.1	1.9	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.5	2.3	3.6	2.5
25	1.8	1.5	2.1	1.9	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.5	2.3	3.5	2.4
27	1.8	1.5	2.1	1.9	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.4	2.3	3.5	2.4
30	1.8	1.5	2.1	1.9	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.4	2.3	3.4	2.4
33	1.8	1.5	2.1	1.9	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.3	2.2	3.3	2.4
35	1.8	1.5	2.1	1.9	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.2	2.2	3.3	2.3
37	1.8	1.5	2.1	1.9	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.2	2.2	3.2	2.3
40	1.8	1.5	2.1	1.9	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.1	2.2	3.1	2.3
43	1.8	1.5	2.1	1.9	2.3	1.9	2.6	2.1	2.8	2.2	2.9	2.2	3.0	2.2	3.1	2.3
46	1.8	1.5	2.1	1.9	2.3	1.9	2.6	2.1	2.8	2.2	2.8	2.2	2.9	2.1	3.0	2.2

■ MODEL : AS∗E12

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	2.4	1.9	2.7	2.3	3.0	2.4	3.3	2.7	3.6	2.7	3.9	2.8	4.5	2.9	4.8	3.1
15	2.4	1.9	2.7	2.3	3.0	2.4	3.3	2.7	3.6	2.7	3.9	2.8	4.5	2.9	4.8	3.1
21	2.4	1.9	2.7	2.3	3.0	2.4	3.3	2.7	3.6	2.7	3.9	2.8	4.5	2.9	4.7	3.1
23	2.4	1.9	2.7	2.3	3.0	2.4	3.3	2.7	3.6	2.7	3.9	2.8	4.5	2.9	4.6	3.0
25	2.4	1.9	2.7	2.3	3.0	2.4	3.3	2.7	3.6	2.7	3.9	2.8	4.5	2.9	4.6	3.0
27	2.4	1.9	2.7	2.3	3.0	2.4	3.3	2.7	3.6	2.7	3.9	2.8	4.4	2.8	4.5	3.0
30	2.4	1.9	2.7	2.3	3.0	2.4	3.3	2.7	3.6	2.7	3.9	2.8	4.3	2.8	4.4	2.9
33	2.4	1.9	2.7	2.3	3.0	2.4	3.3	2.7	3.6	2.7	3.9	2.8	4.2	2.8	4.3	2.9
35	2.4	1.9	2.7	2.3	3.0	2.4	3.3	2.7	3.6	2.7	3.9	2.8	4.1	2.7	4.2	2.9
37	2.4	1.9	2.7	2.3	3.0	2.4	3.3	2.7	3.6	2.7	3.9	2.8	4.1	2.7	4.1	2.9
40	2.4	1.9	2.7	2.3	3.0	2.4	3.3	2.7	3.6	2.7	3.8	2.8	4.0	2.7	4.0	2.8
43	2.4	1.9	2.7	2.3	3.0	2.4	3.3	2.7	3.6	2.7	3.7	2.7	3.9	2.7	3.9	2.8
46	2.4	1.9	2.7	2.3	3.0	2.4	3.3	2.7	3.5	2.7	3.6	2.7	3.8	2.6	3.8	2.8

■ MODEL : AS∗E14

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	3.0	2.3	3.3	2.8	3.7	3.0	4.1	3.3	4.5	3.4	4.9	3.4	5.6	3.6	6.0	3.8
15	3.0	2.3	3.3	2.8	3.7	3.0	4.1	3.3	4.5	3.4	4.9	3.4	5.6	3.6	6.0	3.8
21	3.0	2.3	3.3	2.8	3.7	3.0	4.1	3.3	4.5	3.4	4.9	3.4	5.6	3.6	5.9	3.8
23	3.0	2.3	3.3	2.8	3.7	3.0	4.1	3.3	4.5	3.4	4.9	3.4	5.6	3.6	5.8	3.7
25	3.0	2.3	3.3	2.8	3.7	3.0	4.1	3.3	4.5	3.4	4.9	3.4	5.6	3.6	5.7	3.7
27	3.0	2.3	3.3	2.8	3.7	3.0	4.1	3.3	4.5	3.4	4.9	3.4	5.5	3.5	5.6	3.7
30	3.0	2.3	3.3	2.8	3.7	3.0	4.1	3.3	4.5	3.4	4.9	3.4	5.4	3.5	5.5	3.6
33	3.0	2.3	3.3	2.8	3.7	3.0	4.1	3.3	4.5	3.4	4.9	3.4	5.3	3.4	5.4	3.6
35	3.0	2.3	3.3	2.8	3.7	3.0	4.1	3.3	4.5	3.4	4.9	3.4	5.2	3.4	5.3	3.6
37	3.0	2.3	3.3	2.8	3.7	3.0	4.1	3.3	4.5	3.4	4.9	3.4	5.1	3.4	5.2	3.5
40	3.0	2.3	3.3	2.8	3.7	3.0	4.1	3.3	4.5	3.4	4.8	3.4	5.0	3.3	5.0	3.5
43	3.0	2.3	3.3	2.8	3.7	3.0	4.1	3.3	4.5	3.4	4.6	3.3	4.8	3.3	4.9	3.4
46	3.0	2.3	3.3	2.8	3.7	3.0	4.1	3.3	4.4	3.3	4.5	3.3	4.7	3.2	4.8	3.4

TC : Total Capacity kW.
SHC : Sensible Heat Capacity kW.

2-7-11. WALL MOUNTED TYPE

COOLING CAPACITY

■ MODEL : AS∗A18

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	3.7	2.8	4.2	3.5	4.6	3.6	5.1	4.0	5.6	4.1	6.1	4.2	7.0	4.4	7.5	4.7
15	3.7	2.8	4.2	3.5	4.6	3.6	5.1	4.0	5.6	4.1	6.1	4.2	7.0	4.4	7.5	4.7
21	3.7	2.8	4.2	3.5	4.6	3.6	5.1	4.0	5.6	4.1	6.1	4.2	7.0	4.4	7.3	4.6
23	3.7	2.8	4.2	3.5	4.6	3.6	5.1	4.0	5.6	4.1	6.1	4.2	7.0	4.4	7.2	4.6
25	3.7	2.8	4.2	3.5	4.6	3.6	5.1	4.0	5.6	4.1	6.1	4.2	7.0	4.3	7.1	4.5
27	3.7	2.8	4.2	3.5	4.6	3.6	5.1	4.0	5.6	4.1	6.1	4.2	6.8	4.3	7.0	4.5
30	3.7	2.8	4.2	3.5	4.6	3.6	5.1	4.0	5.6	4.1	6.1	4.2	6.7	4.2	6.8	4.4
33	3.7	2.8	4.2	3.5	4.6	3.6	5.1	4.0	5.6	4.1	6.1	4.2	6.5	4.2	6.7	4.4
35	3.7	2.8	4.2	3.5	4.6	3.6	5.1	4.0	5.6	4.1	6.1	4.2	6.4	4.1	6.5	4.3
37	3.7	2.8	4.2	3.5	4.6	3.6	5.1	4.0	5.6	4.1	6.1	4.2	6.3	4.1	6.4	4.3
40	3.7	2.8	4.2	3.5	4.6	3.6	5.1	4.0	5.6	4.1	5.9	4.1	6.2	4.0	6.3	4.2
43	3.7	2.8	4.2	3.5	4.6	3.6	5.1	4.0	5.6	4.1	5.8	4.1	6.0	4.0	6.1	4.2
46	3.7	2.8	4.2	3.5	4.6	3.6	5.1	4.0	5.5	4.0	5.6	4.0	5.8	3.9	5.9	4.1

■ MODEL : AS∗A24

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	4.7	3.5	5.3	4.3	5.9	4.5	6.5	4.9	7.1	5.1	7.7	5.2	8.9	5.4	9.5	5.8
15	4.7	3.5	5.3	4.3	5.9	4.5	6.5	4.9	7.1	5.1	7.7	5.2	8.9	5.4	9.5	5.8
21	4.7	3.5	5.3	4.3	5.9	4.5	6.5	4.9	7.1	5.1	7.7	5.2	8.9	5.4	9.3	5.7
23	4.7	3.5	5.3	4.3	5.9	4.5	6.5	4.9	7.1	5.1	7.7	5.2	8.9	5.4	9.1	5.7
25	4.7	3.5	5.3	4.3	5.9	4.5	6.5	4.9	7.1	5.1	7.7	5.2	8.8	5.4	9.0	5.6
27	4.7	3.5	5.3	4.3	5.9	4.5	6.5	4.9	7.1	5.1	7.7	5.2	8.7	5.3	8.8	5.6
30	4.7	3.5	5.3	4.3	5.9	4.5	6.5	4.9	7.1	5.1	7.7	5.2	8.5	5.3	8.6	5.5
33	4.7	3.5	5.3	4.3	5.9	4.5	6.5	4.9	7.1	5.1	7.7	5.2	8.3	5.2	8.4	5.4
35	4.7	3.5	5.3	4.3	5.9	4.5	6.5	4.9	7.1	5.1	7.7	5.2	8.1	5.1	8.3	5.4
37	4.7	3.5	5.3	4.3	5.9	4.5	6.5	4.9	7.1	5.1	7.7	5.2	8.0	5.1	8.2	5.3
40	4.7	3.5	5.3	4.3	5.9	4.5	6.5	4.9	7.1	5.1	7.5	5.1	7.8	5.0	8.0	5.2
43	4.7	3.5	5.3	4.3	5.9	4.5	6.5	4.9	7.1	5.1	7.3	5.1	7.6	4.9	7.8	5.2
46	4.7	3.5	5.3	4.3	5.9	4.5	6.5	4.9	7.0	5.0	7.1	5.0	7.4	4.9	7.5	5.1

■ MODEL : AS∗A30

Outdoor temperature	Indoor temperature															
	20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
10	5.3	3.8	5.9	4.7	6.6	4.9	7.3	5.4	8.0	5.6	8.7	5.8	10.0	6.0	10.7	6.5
15	5.3	3.8	5.9	4.7	6.6	4.9	7.3	5.4	8.0	5.6	8.7	5.8	10.0	6.0	10.7	6.5
21	5.3	3.8	5.9	4.7	6.6	4.9	7.3	5.4	8.0	5.6	8.7	5.8	10.0	6.0	10.4	6.4
23	5.3	3.8	5.9	4.7	6.6	4.9	7.3	5.4	8.0	5.6	8.7	5.8	10.0	6.0	10.3	6.3
25	5.3	3.8	5.9	4.7	6.6	4.9	7.3	5.4	8.0	5.6	8.7	5.8	9.9	6.0	10.1	6.2
27	5.3	3.8	5.9	4.7	6.6	4.9	7.3	5.4	8.0	5.6	8.7	5.8	9.8	5.9	10.0	6.2
30	5.3	3.8	5.9	4.7	6.6	4.9	7.3	5.4	8.0	5.6	8.7	5.8	9.6	5.8	9.7	6.1
33	5.3	3.8	5.9	4.7	6.6	4.9	7.3	5.4	8.0	5.6	8.7	5.8	9.3	5.7	9.5	6.0
35	5.3	3.8	5.9	4.7	6.6	4.9	7.3	5.4	8.0	5.6	8.7	5.8	9.2	5.7	9.3	5.9
37	5.3	3.8	5.9	4.7	6.6	4.9	7.3	5.4	8.0	5.6	8.7	5.8	9.0	5.6	9.2	5.9
40	5.3	3.8	5.9	4.7	6.6	4.9	7.3	5.4	8.0	5.6	8.5	5.7	8.8	5.5	9.0	5.8
43	5.3	3.8	5.9	4.7	6.6	4.9	7.3	5.4	8.0	5.6	8.2	5.6	8.6	5.5	8.7	5.7
46	5.3	3.8	5.9	4.7	6.6	4.9	7.3	5.4	7.9	5.5	8.0	5.5	8.3	5.4	8.5	5.6

TC : Total Capacity kW.
SHC : Sensible Heat Capacity kW.

2-8. CAPACITY TABLE HEATING (INDOOR UNIT)

2-8-1. COMPACT CASSETTE TYPE

HEATING CAPACITY

■ MODEL : AUXB07

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	1.5	1.4	1.4	1.4	1.4	1.4	1.4
-15.0	**-16.0**	1.7	1.7	1.7	1.7	1.7	1.7	1.7
-12.0	**-13.0**	1.9	1.9	1.9	1.8	1.8	1.8	1.8
-9.0	**-10.0**	2.1	2.1	2.0	2.0	2.0	2.0	2.0
-7.0	**-8.0**	2.2	2.2	2.2	2.2	2.2	2.1	2.1
-5.0	**-6.0**	2.3	2.3	2.3	2.3	2.3	2.3	2.2
-3.0	**-4.0**	2.4	2.4	2.4	2.4	2.4	2.4	2.2
-1.0	**-2.0**	2.6	2.6	2.5	2.5	2.5	2.4	2.2
0.0	**-1.0**	2.6	2.6	2.6	2.6	2.6	2.4	2.2
2.0	**1.0**	2.8	2.8	2.7	2.7	2.6	2.4	2.2
5.0	**4.0**	3.0	3.0	2.8	2.7	2.6	2.4	2.2
7.0	**6.0**	3.1	3.0	2.8	2.7	2.6	2.4	2.2
9.0	**7.8**	3.2	3.0	2.8	2.7	2.6	2.4	2.2
12.0	**10.6**	3.2	3.0	2.8	2.7	2.6	2.4	2.2
15.0	**13.5**	3.2	3.0	2.8	2.7	2.6	2.4	2.2

■ MODEL : AUXB09

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	1.7	1.7	1.7	1.7	1.6	1.6	1.6
-15.0	**-16.0**	1.9	1.9	1.9	1.9	1.9	1.9	1.9
-12.0	**-13.0**	2.1	2.1	2.1	2.1	2.1	2.1	2.1
-9.0	**-10.0**	2.4	2.3	2.3	2.3	2.3	2.3	2.3
-7.0	**-8.0**	2.5	2.5	2.5	2.5	2.5	2.4	2.4
-5.0	**-6.0**	2.6	2.6	2.6	2.6	2.6	2.6	2.5
-3.0	**-4.0**	2.8	2.8	2.8	2.8	2.7	2.7	2.5
-1.0	**-2.0**	2.9	2.9	2.9	2.9	2.9	2.7	2.5
0.0	**-1.0**	3.0	3.0	3.0	3.0	3.0	2.7	2.5
2.0	**1.0**	3.2	3.1	3.1	3.1	3.0	2.8	2.5
5.0	**4.0**	3.4	3.4	3.2	3.1	3.0	2.8	2.6
7.0	**6.0**	3.5	3.4	3.2	3.1	3.0	2.8	2.6
9.0	**7.8**	3.6	3.4	3.2	3.1	3.0	2.8	2.6
12.0	**10.6**	3.6	3.4	3.2	3.1	3.0	2.8	2.6
15.0	**13.5**	3.6	3.4	3.2	3.1	3.0	2.8	2.6

■ MODEL : AUXB12

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	2.1	2.1	2.1	2.1	2.1	2.1	2.1
-15.0	**-16.0**	2.5	2.5	2.5	2.4	2.4	2.4	2.4
-12.0	**-13.0**	2.7	2.7	2.7	2.7	2.7	2.7	2.7
-9.0	**-10.0**	3.0	3.0	3.0	3.0	3.0	3.0	2.9
-7.0	**-8.0**	3.2	3.2	3.2	3.2	3.1	3.1	3.1
-5.0	**-6.0**	3.4	3.4	3.4	3.3	3.3	3.3	3.2
-3.0	**-4.0**	3.6	3.6	3.5	3.5	3.5	3.5	3.2
-1.0	**-2.0**	3.8	3.7	3.7	3.7	3.7	3.5	3.2
0.0	**-1.0**	3.9	3.8	3.8	3.8	3.8	3.5	3.2
2.0	**1.0**	4.1	4.0	4.0	3.9	3.8	3.5	3.3
5.0	**4.0**	4.4	4.3	4.1	4.0	3.8	3.6	3.3
7.0	**6.0**	4.5	4.4	4.1	4.0	3.8	3.6	3.3
9.0	**7.8**	4.6	4.4	4.1	4.0	3.8	3.6	3.3
12.0	**10.6**	4.6	4.4	4.1	4.0	3.8	3.6	3.3
15.0	**13.5**	4.6	4.4	4.1	4.0	3.8	3.6	3.3

TC : Total Capacity kW.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AUXB14

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	2.6	2.6	2.6	2.6	2.6	2.6	2.6
-15.0	**-16.0**	3.0	3.0	3.0	3.0	3.0	3.0	3.0
-12.0	**-13.0**	3.3	3.3	3.3	3.3	3.3	3.3	3.3
-9.0	**-10.0**	3.7	3.7	3.6	3.6	3.6	3.6	3.6
-7.0	**-8.0**	3.9	3.9	3.9	3.9	3.8	3.8	3.8
-5.0	**-6.0**	4.1	4.1	4.1	4.1	4.1	4.0	3.9
-3.0	**-4.0**	4.4	4.3	4.3	4.3	4.3	4.3	4.0
-1.0	**-2.0**	4.6	4.6	4.5	4.5	4.5	4.3	4.0
0.0	**-1.0**	4.7	4.7	4.7	4.6	4.6	4.3	4.0
2.0	**1.0**	5.0	4.9	4.9	4.8	4.6	4.3	4.0
5.0	**4.0**	5.3	5.3	5.0	4.8	4.7	4.3	4.0
7.0	**6.0**	5.5	5.3	5.0	4.8	4.7	4.3	4.0
9.0	**7.8**	5.7	5.3	5.0	4.8	4.7	4.3	4.0
12.0	**10.6**	5.7	5.3	5.0	4.8	4.7	4.3	4.0
15.0	**13.5**	5.7	5.3	5.0	4.8	4.7	4.3	4.0

■ MODEL : AUXB18

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	3.3	3.3	3.3	3.3	3.2	3.2	3.2
-15.0	**-16.0**	3.8	3.8	3.8	3.8	3.8	3.7	3.7
-12.0	**-13.0**	4.2	4.2	4.2	4.2	4.2	4.1	4.1
-9.0	**-10.0**	4.6	4.6	4.6	4.6	4.6	4.5	4.5
-7.0	**-8.0**	4.9	4.9	4.9	4.9	4.8	4.8	4.8
-5.0	**-6.0**	5.2	5.2	5.2	5.1	5.1	5.1	5.0
-3.0	**-4.0**	5.5	5.5	5.4	5.4	5.4	5.4	5.0
-1.0	**-2.0**	5.8	5.8	5.7	5.7	5.7	5.4	5.0
0.0	**-1.0**	5.9	5.9	5.9	5.8	5.8	5.4	5.0
2.0	**1.0**	6.2	6.2	6.2	6.0	5.8	5.4	5.0
5.0	**4.0**	6.7	6.7	6.3	6.1	5.9	5.5	5.0
7.0	**6.0**	7.0	6.7	6.3	6.1	5.9	5.5	5.0
9.0	**7.8**	7.1	6.7	6.3	6.1	5.9	5.5	5.0
12.0	**10.6**	7.1	6.7	6.3	6.1	5.9	5.5	5.0
15.0	**13.5**	7.1	6.7	6.3	6.1	5.9	5.5	5.0

■ MODEL : AUXB24

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	4.2	4.1	4.1	4.1	4.1	4.1	4.1
-15.0	**-16.0**	4.8	4.8	4.8	4.8	4.8	4.7	4.7
-12.0	**-13.0**	5.4	5.3	5.3	5.3	5.3	5.3	5.2
-9.0	**-10.0**	5.9	5.9	5.8	5.8	5.8	5.8	5.7
-7.0	**-8.0**	6.2	6.2	6.2	6.2	6.1	6.1	6.1
-5.0	**-6.0**	6.6	6.6	6.6	6.5	6.5	6.5	6.3
-3.0	**-4.0**	7.0	6.9	6.9	6.9	6.9	6.8	6.3
-1.0	**-2.0**	7.4	7.3	7.3	7.2	7.2	6.9	6.3
0.0	**-1.0**	7.5	7.5	7.4	7.4	7.4	6.9	6.3
2.0	**1.0**	7.9	7.9	7.8	7.7	7.4	6.9	6.3
5.0	**4.0**	8.5	8.5	8.0	7.7	7.5	6.9	6.4
7.0	**6.0**	8.9	8.5	8.0	7.7	7.5	6.9	6.4
9.0	**7.8**	9.1	8.5	8.0	7.7	7.5	6.9	6.4
12.0	**10.6**	9.1	8.5	8.0	7.7	7.5	6.9	6.4
15.0	**13.5**	9.1	8.5	8.0	7.7	7.5	6.9	6.4

TC : Total Capacity kW.

MODEL SELECTION

2-8-2. CASSETTE TYPE

HEATING CAPACITY

■ MODEL : AUXD18

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	3.3	3.3	3.3	3.3	3.2	3.2	3.2
-15.0	**-16.0**	3.8	3.8	3.8	3.8	3.8	3.7	3.7
-12.0	**-13.0**	4.2	4.2	4.2	4.2	4.2	4.1	4.1
-9.0	**-10.0**	4.6	4.6	4.6	4.6	4.6	4.5	4.5
-7.0	**-8.0**	4.9	4.9	4.9	4.9	4.8	4.8	4.8
-5.0	**-6.0**	5.2	5.2	5.2	5.1	5.1	5.1	5.0
-3.0	**-4.0**	5.5	5.5	5.4	5.4	5.4	5.4	5.0
-1.0	**-2.0**	5.8	5.8	5.7	5.7	5.7	5.4	5.0
0.0	**-1.0**	5.9	5.9	5.9	5.8	5.8	5.4	5.0
2.0	**1.0**	6.2	6.2	6.2	6.0	5.8	5.4	5.0
5.0	**4.0**	6.7	6.7	6.3	6.1	5.9	5.5	5.0
7.0	**6.0**	7.0	6.7	6.3	6.1	5.9	5.5	5.0
9.0	**7.8**	7.1	6.7	6.3	6.1	5.9	5.5	5.0
12.0	**10.6**	7.1	6.7	6.3	6.1	5.9	5.5	5.0
15.0	**13.5**	7.1	6.7	6.3	6.1	5.9	5.5	5.0

■ MODEL : AUXD24

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	4.2	4.1	4.1	4.1	4.1	4.1	4.1
-15.0	**-16.0**	4.8	4.8	4.8	4.8	4.8	4.7	4.7
-12.0	**-13.0**	5.4	5.3	5.3	5.3	5.3	5.3	5.2
-9.0	**-10.0**	5.9	5.9	5.8	5.8	5.8	5.8	5.7
-7.0	**-8.0**	6.2	6.2	6.2	6.2	6.1	6.1	6.1
-5.0	**-6.0**	6.6	6.6	6.6	6.5	6.5	6.5	6.3
-3.0	**-4.0**	7.0	6.9	6.9	6.9	6.9	6.8	6.3
-1.0	**-2.0**	7.4	7.3	7.3	7.2	7.2	6.9	6.3
0.0	**-1.0**	7.5	7.5	7.4	7.4	7.4	6.9	6.3
2.0	**1.0**	7.9	7.9	7.8	7.7	7.4	6.9	6.3
5.0	**4.0**	8.5	8.5	8.0	7.7	7.5	6.9	6.4
7.0	**6.0**	8.9	8.5	8.0	7.7	7.5	6.9	6.4
9.0	**7.8**	9.1	8.5	8.0	7.7	7.5	6.9	6.4
12.0	**10.6**	9.1	8.5	8.0	7.7	7.5	6.9	6.4
15.0	**13.5**	9.1	8.5	8.0	7.7	7.5	6.9	6.4

TC : Total Capacity kW.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : AUXA30

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	5.2	5.2	5.2	5.2	5.1	5.1	5.1
-15.0	**-16.0**	6.0	6.0	6.0	6.0	6.0	5.9	5.9
-12.0	**-13.0**	6.7	6.7	6.6	6.6	6.6	6.6	6.5
-9.0	**-10.0**	7.4	7.3	7.3	7.3	7.2	7.2	7.2
-7.0	**-8.0**	7.8	7.8	7.7	7.7	7.7	7.7	7.6
-5.0	**-6.0**	8.3	8.2	8.2	8.2	8.1	8.1	7.9
-3.0	**-4.0**	8.7	8.7	8.6	8.6	8.6	8.5	7.9
-1.0	**-2.0**	9.2	9.1	9.1	9.0	9.0	8.6	7.9
0.0	**-1.0**	9.4	9.4	9.3	9.3	9.2	8.6	7.9
2.0	**1.0**	9.9	9.8	9.8	9.6	9.3	8.6	7.9
5.0	**4.0**	10.6	10.6	10.0	9.7	9.3	8.7	8.0
7.0	**6.0**	11.1	10.6	10.0	9.7	9.3	8.7	8.0
9.0	**7.8**	11.3	10.6	10.0	9.7	9.3	8.7	8.0
12.0	**10.6**	11.3	10.7	10.0	9.7	9.3	8.7	8.0
15.0	**13.5**	11.3	10.7	10.0	9.7	9.3	8.7	8.0

■ MODEL : AUXA36

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	6.5	6.5	6.5	6.5	6.4	6.4	6.4
-15.0	**-16.0**	7.5	7.5	7.5	7.5	7.5	7.4	7.4
-12.0	**-13.0**	8.4	8.3	8.3	8.3	8.3	8.2	8.2
-9.0	**-10.0**	9.2	9.2	9.1	9.1	9.0	9.0	9.0
-7.0	**-8.0**	9.8	9.7	9.6	9.6	9.6	9.6	9.5
-5.0	**-6.0**	10.3	10.3	10.2	10.2	10.2	10.1	9.8
-3.0	**-4.0**	10.9	10.8	10.8	10.8	10.7	10.7	9.9
-1.0	**-2.0**	11.5	11.4	11.3	11.3	11.3	10.7	9.9
0.0	**-1.0**	11.8	11.7	11.6	11.6	11.5	10.7	9.9
2.0	**1.0**	12.4	12.3	12.2	12.0	11.6	10.8	9.9
5.0	**4.0**	13.3	13.2	12.5	12.1	11.7	10.8	10.0
7.0	**6.0**	13.8	13.3	12.5	12.1	11.7	10.8	10.0
9.0	**7.8**	14.2	13.3	12.5	12.1	11.7	10.8	10.0
12.0	**10.6**	14.2	13.3	12.5	12.1	11.7	10.8	10.0
15.0	**13.5**	14.2	13.3	12.5	12.1	11.7	10.8	10.0

■ MODEL : AUXA45

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	7.3	7.2	7.2	7.2	7.2	7.2	7.2
-15.0	**-16.0**	8.4	8.4	8.4	8.4	8.4	8.3	8.3
-12.0	**-13.0**	9.4	9.3	9.3	9.2	9.2	9.2	9.2
-9.0	**-10.0**	10.3	10.3	10.2	10.2	10.1	10.1	10.0
-7.0	**-8.0**	10.9	10.9	10.8	10.8	10.8	10.7	10.7
-5.0	**-6.0**	11.6	11.5	11.5	11.4	11.4	11.3	11.0
-3.0	**-4.0**	12.2	12.1	12.1	12.0	12.0	12.0	11.1
-1.0	**-2.0**	12.9	12.8	12.7	12.7	12.6	12.0	11.1
0.0	**-1.0**	13.2	13.1	13.0	13.0	12.9	12.0	11.1
2.0	**1.0**	13.9	13.8	13.7	13.4	13.0	12.0	11.1
5.0	**4.0**	14.9	14.8	14.0	13.5	13.1	12.1	11.2
7.0	**6.0**	15.5	14.9	14.0	13.5	13.1	12.1	11.2
9.0	**7.8**	15.9	14.9	14.0	13.5	13.1	12.1	11.2
12.0	**10.6**	15.9	14.9	14.0	13.5	13.1	12.1	11.2
15.0	**13.5**	15.9	14.9	14.0	13.5	13.1	12.1	11.2

■ MODEL : AUXA54

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	8.3	8.3	8.3	8.3	8.2	8.2	8.2
-15.0	**-16.0**	9.7	9.6	9.6	9.5	9.5	9.5	9.5
-12.0	**-13.0**	10.7	10.7	10.6	10.6	10.6	10.5	10.5
-9.0	**-10.0**	11.8	11.7	11.6	11.6	11.6	11.5	11.5
-7.0	**-8.0**	12.5	12.4	12.3	12.3	12.3	12.2	12.2
-5.0	**-6.0**	13.2	13.2	13.1	13.1	13.0	13.0	12.6
-3.0	**-4.0**	14.0	13.9	13.8	13.8	13.7	13.7	12.6
-1.0	**-2.0**	14.7	14.6	14.5	14.5	14.4	13.7	12.6
0.0	**-1.0**	15.1	15.0	14.9	14.8	14.8	13.7	12.6
2.0	**1.0**	15.8	15.7	15.6	15.3	14.8	13.8	12.7
5.0	**4.0**	17.0	16.9	16.0	15.4	14.9	13.9	12.8
7.0	**6.0**	17.7	17.0	16.0	15.4	14.9	13.9	12.8
9.0	**7.8**	18.1	17.0	16.0	15.4	14.9	13.9	12.8
12.0	**10.6**	18.1	17.1	16.0	15.4	14.9	13.9	12.8
15.0	**13.5**	18.1	17.1	16.0	15.4	14.9	13.9	12.8

TC : Total Capacity kW.

2-8-3. COMPACT DUCT TYPE

HEATING CAPACITY

■ MODEL : ARXB07

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	1.5	1.4	1.4	1.4	1.4	1.4	1.4
-15.0	**-16.0**	1.7	1.7	1.7	1.7	1.7	1.7	1.7
-12.0	**-13.0**	1.9	1.9	1.9	1.8	1.8	1.8	1.8
-9.0	**-10.0**	2.1	2.1	2.0	2.0	2.0	2.0	2.0
-7.0	**-8.0**	2.2	2.2	2.2	2.2	2.2	2.1	2.1
-5.0	**-6.0**	2.3	2.3	2.3	2.3	2.3	2.3	2.2
-3.0	**-4.0**	2.4	2.4	2.4	2.4	2.4	2.4	2.2
-1.0	**-2.0**	2.6	2.6	2.5	2.5	2.5	2.4	2.2
0.0	**-1.0**	2.6	2.6	2.6	2.6	2.6	2.4	2.2
2.0	**1.0**	2.8	2.8	2.7	2.7	2.6	2.4	2.2
5.0	**4.0**	3.0	3.0	2.8	2.7	2.6	2.4	2.2
7.0	**6.0**	3.1	3.0	2.8	2.7	2.6	2.4	2.2
9.0	**7.8**	3.2	3.0	2.8	2.7	2.6	2.4	2.2
12.0	**10.6**	3.2	3.0	2.8	2.7	2.6	2.4	2.2
15.0	**13.5**	3.2	3.0	2.8	2.7	2.6	2.4	2.2

■ MODEL : ARXB09

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	1.7	1.7	1.7	1.7	1.6	1.6	1.6
-15.0	**-16.0**	1.9	1.9	1.9	1.9	1.9	1.9	1.9
-12.0	**-13.0**	2.1	2.1	2.1	2.1	2.1	2.1	2.1
-9.0	**-10.0**	2.4	2.3	2.3	2.3	2.3	2.3	2.3
-7.0	**-8.0**	2.5	2.5	2.5	2.5	2.5	2.4	2.4
-5.0	**-6.0**	2.6	2.6	2.6	2.6	2.6	2.6	2.5
-3.0	**-4.0**	2.8	2.8	2.8	2.8	2.7	2.7	2.5
-1.0	**-2.0**	2.9	2.9	2.9	2.9	2.9	2.7	2.5
0.0	**-1.0**	3.0	3.0	3.0	3.0	3.0	2.7	2.5
2.0	**1.0**	3.2	3.1	3.1	3.1	3.0	2.8	2.5
5.0	**4.0**	3.4	3.4	3.2	3.1	3.0	2.8	2.6
7.0	**6.0**	3.5	3.4	3.2	3.1	3.0	2.8	2.6
9.0	**7.8**	3.6	3.4	3.2	3.1	3.0	2.8	2.6
12.0	**10.6**	3.6	3.4	3.2	3.1	3.0	2.8	2.6
15.0	**13.5**	3.6	3.4	3.2	3.1	3.0	2.8	2.6

TC : Total Capacity kW.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : ARXB12

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	2.1	2.1	2.1	2.1	2.1	2.1	2.1
-15.0	**-16.0**	2.5	2.5	2.5	2.4	2.4	2.4	2.4
-12.0	**-13.0**	2.7	2.7	2.7	2.7	2.7	2.7	2.7
-9.0	**-10.0**	3.0	3.0	3.0	3.0	3.0	3.0	2.9
-7.0	**-8.0**	3.2	3.2	3.2	3.2	3.1	3.1	3.1
-5.0	**-6.0**	3.4	3.4	3.4	3.3	3.3	3.3	3.2
-3.0	**-4.0**	3.6	3.6	3.5	3.5	3.5	3.5	3.2
-1.0	**-2.0**	3.8	3.7	3.7	3.7	3.7	3.5	3.2
0.0	**-1.0**	3.9	3.8	3.8	3.8	3.8	3.5	3.2
2.0	**1.0**	4.1	4.0	4.0	3.9	3.8	3.5	3.3
5.0	**4.0**	4.4	4.3	4.1	4.0	3.8	3.6	3.3
7.0	**6.0**	4.5	4.4	4.1	4.0	3.8	3.6	3.3
9.0	**7.8**	4.6	4.4	4.1	4.0	3.8	3.6	3.3
12.0	**10.6**	4.6	4.4	4.1	4.0	3.8	3.6	3.3
15.0	**13.5**	4.6	4.4	4.1	4.0	3.8	3.6	3.3

■ MODEL : ARXB14

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	2.6	2.6	2.6	2.6	2.6	2.6	2.6
-15.0	**-16.0**	3.0	3.0	3.0	3.0	3.0	3.0	3.0
-12.0	**-13.0**	3.3	3.3	3.3	3.3	3.3	3.3	3.3
-9.0	**-10.0**	3.7	3.7	3.6	3.6	3.6	3.6	3.6
-7.0	**-8.0**	3.9	3.9	3.9	3.9	3.8	3.8	3.8
-5.0	**-6.0**	4.1	4.1	4.1	4.1	4.1	4.0	3.9
-3.0	**-4.0**	4.4	4.3	4.3	4.3	4.3	4.3	4.0
-1.0	**-2.0**	4.6	4.6	4.5	4.5	4.5	4.3	4.0
0.0	**-1.0**	4.7	4.7	4.7	4.6	4.6	4.3	4.0
2.0	**1.0**	5.0	4.9	4.9	4.8	4.6	4.3	4.0
5.0	**4.0**	5.3	5.3	5.0	4.8	4.7	4.3	4.0
7.0	**6.0**	5.5	5.3	5.0	4.8	4.7	4.3	4.0
9.0	**7.8**	5.7	5.3	5.0	4.8	4.7	4.3	4.0
12.0	**10.6**	5.7	5.3	5.0	4.8	4.7	4.3	4.0
15.0	**13.5**	5.7	5.3	5.0	4.8	4.7	4.3	4.0

■ MODEL : ARXB18

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	3.3	3.3	3.3	3.3	3.2	3.2	3.2
-15.0	**-16.0**	3.8	3.8	3.8	3.8	3.8	3.7	3.7
-12.0	**-13.0**	4.2	4.2	4.2	4.2	4.2	4.1	4.1
-9.0	**-10.0**	4.6	4.6	4.6	4.6	4.6	4.5	4.5
-7.0	**-8.0**	4.9	4.9	4.9	4.9	4.8	4.8	4.8
-5.0	**-6.0**	5.2	5.2	5.2	5.1	5.1	5.1	5.0
-3.0	**-4.0**	5.5	5.5	5.4	5.4	5.4	5.4	5.0
-1.0	**-2.0**	5.8	5.8	5.7	5.7	5.7	5.4	5.0
0.0	**-1.0**	5.9	5.9	5.9	5.8	5.8	5.4	5.0
2.0	**1.0**	6.2	6.2	6.2	6.0	5.8	5.4	5.0
5.0	**4.0**	6.7	6.7	6.3	6.1	5.9	5.5	5.0
7.0	**6.0**	7.0	6.7	6.3	6.1	5.9	5.5	5.0
9.0	**7.8**	7.1	6.7	6.3	6.1	5.9	5.5	5.0
12.0	**10.6**	7.1	6.7	6.3	6.1	5.9	5.5	5.0
15.0	**13.5**	7.1	6.7	6.3	6.1	5.9	5.5	5.0

TC : Total Capacity kW.

2-8-4. LOW STATIC PRESSURE DUCT TYPE

HEATING CAPACITY

■ MODEL : ARXB24

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	4.2	4.1	4.1	4.1	4.1	4.1	4.1
-15.0	**-16.0**	4.8	4.8	4.8	4.8	4.8	4.7	4.7
-12.0	**-13.0**	5.4	5.3	5.3	5.3	5.3	5.3	5.2
-9.0	**-10.0**	5.9	5.9	5.8	5.8	5.8	5.8	5.7
-7.0	**-8.0**	6.2	6.2	6.2	6.2	6.1	6.1	6.1
-5.0	**-6.0**	6.6	6.6	6.6	6.5	6.5	6.5	6.3
-3.0	**-4.0**	7.0	6.9	6.9	6.9	6.9	6.8	6.3
-1.0	**-2.0**	7.4	7.3	7.3	7.2	7.2	6.9	6.3
0.0	**-1.0**	7.5	7.5	7.4	7.4	7.4	6.9	6.3
2.0	**1.0**	7.9	7.9	7.8	7.7	7.4	6.9	6.3
5.0	**4.0**	8.5	8.5	8.0	7.7	7.5	6.9	6.4
7.0	**6.0**	8.9	8.5	8.0	7.7	7.5	6.9	6.4
9.0	**7.8**	9.1	8.5	8.0	7.7	7.5	6.9	6.4
12.0	**10.6**	9.1	8.5	8.0	7.7	7.5	6.9	6.4
15.0	**13.5**	9.1	8.5	8.0	7.7	7.5	6.9	6.4

■ MODEL : ARXB30

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	5.2	5.2	5.2	5.2	5.1	5.1	5.1
-15.0	**-16.0**	6.0	6.0	6.0	6.0	6.0	5.9	5.9
-12.0	**-13.0**	6.7	6.7	6.6	6.6	6.6	6.6	6.5
-9.0	**-10.0**	7.4	7.3	7.3	7.3	7.2	7.2	7.2
-7.0	**-8.0**	7.8	7.8	7.7	7.7	7.7	7.7	7.6
-5.0	**-6.0**	8.3	8.2	8.2	8.2	8.1	8.1	7.9
-3.0	**-4.0**	8.7	8.7	8.6	8.6	8.6	8.5	7.9
-1.0	**-2.0**	9.2	9.1	9.1	9.0	9.0	8.6	7.9
0.0	**-1.0**	9.4	9.4	9.3	9.3	9.2	8.6	7.9
2.0	**1.0**	9.9	9.8	9.8	9.6	9.3	8.6	7.9
5.0	**4.0**	10.6	10.6	10.0	9.7	9.3	8.7	8.0
7.0	**6.0**	11.1	10.6	10.0	9.7	9.3	8.7	8.0
9.0	**7.8**	11.3	10.6	10.0	9.7	9.3	8.7	8.0
12.0	**10.6**	11.3	10.7	10.0	9.7	9.3	8.7	8.0
15.0	**13.5**	11.3	10.7	10.0	9.7	9.3	8.7	8.0

■ MODEL : ARXB36

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	6.5	6.5	6.5	6.5	6.4	6.4	6.4
-15.0	**-16.0**	7.5	7.5	7.5	7.5	7.5	7.4	7.4
-12.0	**-13.0**	8.4	8.3	8.3	8.3	8.3	8.2	8.2
-9.0	**-10.0**	9.2	9.2	9.1	9.1	9.0	9.0	9.0
-7.0	**-8.0**	9.8	9.7	9.6	9.6	9.6	9.6	9.5
-5.0	**-6.0**	10.3	10.3	10.2	10.2	10.2	10.1	9.8
-3.0	**-4.0**	10.9	10.8	10.8	10.8	10.7	10.7	9.9
-1.0	**-2.0**	11.5	11.4	11.3	11.3	11.3	10.7	9.9
0.0	**-1.0**	11.8	11.7	11.6	11.6	11.5	10.7	9.9
2.0	**1.0**	12.4	12.3	12.2	12.0	11.6	10.8	9.9
5.0	**4.0**	13.3	13.2	12.5	12.1	11.7	10.8	10.0
7.0	**6.0**	13.8	13.3	12.5	12.1	11.7	10.8	10.0
9.0	**7.8**	14.2	13.3	12.5	12.1	11.7	10.8	10.0
12.0	**10.6**	14.2	13.3	12.5	12.1	11.7	10.8	10.0
15.0	**13.5**	14.2	13.3	12.5	12.1	11.7	10.8	10.0

■ MODEL : ARXB45

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	7.3	7.2	7.2	7.2	7.2	7.2	7.2
-15.0	**-16.0**	8.4	8.4	8.4	8.4	8.4	8.3	8.3
-12.0	**-13.0**	9.4	9.3	9.3	9.2	9.2	9.2	9.2
-9.0	**-10.0**	10.3	10.3	10.2	10.2	10.1	10.1	10.0
-7.0	**-8.0**	10.9	10.9	10.8	10.8	10.8	10.7	10.7
-5.0	**-6.0**	11.6	11.5	11.5	11.4	11.4	11.3	11.0
-3.0	**-4.0**	12.2	12.1	12.1	12.0	12.0	12.0	11.1
-1.0	**-2.0**	12.9	12.8	12.7	12.7	12.6	12.0	11.1
0.0	**-1.0**	13.2	13.1	13.0	13.0	12.9	12.0	11.1
2.0	**1.0**	13.9	13.8	13.7	13.4	13.0	12.0	11.1
5.0	**4.0**	14.9	14.8	14.0	13.5	13.1	12.1	11.2
7.0	**6.0**	15.5	14.9	14.0	13.5	13.1	12.1	11.2
9.0	**7.8**	15.9	14.9	14.0	13.5	13.1	12.1	11.2
12.0	**10.6**	15.9	14.9	14.0	13.5	13.1	12.1	11.2
15.0	**13.5**	15.9	14.9	14.0	13.5	13.1	12.1	11.2

TC : Total Capacity kW.

2-8-5. DUCT TYPE

HEATING CAPACITY

■ MODEL : ARXA24

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	4.2	4.1	4.1	4.1	4.1	4.1	4.1
-15.0	**-16.0**	4.8	4.8	4.8	4.8	4.8	4.7	4.7
-12.0	**-13.0**	5.4	5.3	5.3	5.3	5.3	5.3	5.2
-9.0	**-10.0**	5.9	5.9	5.8	5.8	5.8	5.8	5.7
-7.0	**-8.0**	6.2	6.2	6.2	6.2	6.1	6.1	6.1
-5.0	**-6.0**	6.6	6.6	6.6	6.5	6.5	6.5	6.3
-3.0	**-4.0**	7.0	6.9	6.9	6.9	6.9	6.8	6.3
-1.0	**-2.0**	7.4	7.3	7.3	7.2	7.2	6.9	6.3
0.0	**-1.0**	7.5	7.5	7.4	7.4	7.4	6.9	6.3
2.0	**1.0**	7.9	7.9	7.8	7.7	7.4	6.9	6.3
5.0	**4.0**	8.5	8.5	8.0	7.7	7.5	6.9	6.4
7.0	**6.0**	8.9	8.5	8.0	7.7	7.5	6.9	6.4
9.0	**7.8**	9.1	8.5	8.0	7.7	7.5	6.9	6.4
12.0	**10.6**	9.1	8.5	8.0	7.7	7.5	6.9	6.4
15.0	**13.5**	9.1	8.5	8.0	7.7	7.5	6.9	6.4

■ MODEL : ARXA30

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	5.2	5.2	5.2	5.2	5.1	5.1	5.1
-15.0	**-16.0**	6.0	6.0	6.0	6.0	6.0	5.9	5.9
-12.0	**-13.0**	6.7	6.7	6.6	6.6	6.6	6.6	6.5
-9.0	**-10.0**	7.4	7.3	7.3	7.3	7.2	7.2	7.2
-7.0	**-8.0**	7.8	7.8	7.7	7.7	7.7	7.7	7.6
-5.0	**-6.0**	8.3	8.2	8.2	8.2	8.1	8.1	7.9
-3.0	**-4.0**	8.7	8.7	8.6	8.6	8.6	8.5	7.9
-1.0	**-2.0**	9.2	9.1	9.1	9.0	9.0	8.6	7.9
0.0	**-1.0**	9.4	9.4	9.3	9.3	9.2	8.6	7.9
2.0	**1.0**	9.9	9.8	9.8	9.6	9.3	8.6	7.9
5.0	**4.0**	10.6	10.6	10.0	9.7	9.3	8.7	8.0
7.0	**6.0**	11.1	10.6	10.0	9.7	9.3	8.7	8.0
9.0	**7.8**	11.3	10.6	10.0	9.7	9.3	8.7	8.0
12.0	**10.6**	11.3	10.7	10.0	9.7	9.3	8.7	8.0
15.0	**13.5**	11.3	10.7	10.0	9.7	9.3	8.7	8.0

■ MODEL : ARXA36

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	6.5	6.5	6.5	6.5	6.4	6.4	6.4
-15.0	**-16.0**	7.5	7.5	7.5	7.5	7.5	7.4	7.4
-12.0	**-13.0**	8.4	8.3	8.3	8.3	8.3	8.2	8.2
-9.0	**-10.0**	9.2	9.2	9.1	9.1	9.0	9.0	9.0
-7.0	**-8.0**	9.8	9.7	9.6	9.6	9.6	9.6	9.5
-5.0	**-6.0**	10.3	10.3	10.2	10.2	10.2	10.1	9.8
-3.0	**-4.0**	10.9	10.8	10.8	10.8	10.7	10.7	9.9
-1.0	**-2.0**	11.5	11.4	11.3	11.3	11.3	10.7	9.9
0.0	**-1.0**	11.8	11.7	11.6	11.6	11.5	10.7	9.9
2.0	**1.0**	12.4	12.3	12.2	12.0	11.6	10.8	9.9
5.0	**4.0**	13.3	13.2	12.5	12.1	11.7	10.8	10.0
7.0	**6.0**	13.8	13.3	12.5	12.1	11.7	10.8	10.0
9.0	**7.8**	14.2	13.3	12.5	12.1	11.7	10.8	10.0
12.0	**10.6**	14.2	13.3	12.5	12.1	11.7	10.8	10.0
15.0	**13.5**	14.2	13.3	12.5	12.1	11.7	10.8	10.0

■ MODEL : ARXA45

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	7.3	7.2	7.2	7.2	7.2	7.2	7.2
-15.0	**-16.0**	8.4	8.4	8.4	8.4	8.4	8.3	8.3
-12.0	**-13.0**	9.4	9.3	9.3	9.2	9.2	9.2	9.2
-9.0	**-10.0**	10.3	10.3	10.2	10.2	10.1	10.1	10.0
-7.0	**-8.0**	10.9	10.9	10.8	10.8	10.8	10.7	10.7
-5.0	**-6.0**	11.6	11.5	11.5	11.4	11.4	11.3	11.0
-3.0	**-4.0**	12.2	12.1	12.1	12.0	12.0	12.0	11.1
-1.0	**-2.0**	12.9	12.8	12.7	12.7	12.6	12.0	11.1
0.0	**-1.0**	13.2	13.1	13.0	13.0	12.9	12.0	11.1
2.0	**1.0**	13.9	13.8	13.7	13.4	13.0	12.0	11.1
5.0	**4.0**	14.9	14.8	14.0	13.5	13.1	12.1	11.2
7.0	**6.0**	15.5	14.9	14.0	13.5	13.1	12.1	11.2
9.0	**7.8**	15.9	14.9	14.0	13.5	13.1	12.1	11.2
12.0	**10.6**	15.9	14.9	14.0	13.5	13.1	12.1	11.2
15.0	**13.5**	15.9	14.9	14.0	13.5	13.1	12.1	11.2

TC : Total Capacity kW.

2-8-6. HIGH STATIC PRESSURE DUCT TYPE

HEATING CAPACITY

■ MODEL : ARXC36

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	6.5	6.5	6.5	6.5	6.4	6.4	6.4
-15.0	**-16.0**	7.5	7.5	7.5	7.5	7.5	7.4	7.4
-12.0	**-13.0**	8.4	8.3	8.3	8.3	8.3	8.2	8.2
-9.0	**-10.0**	9.2	9.2	9.1	9.1	9.0	9.0	9.0
-7.0	**-8.0**	9.8	9.7	9.6	9.6	9.6	9.6	9.5
-5.0	**-6.0**	10.3	10.3	10.2	10.2	10.2	10.1	9.8
-3.0	**-4.0**	10.9	10.8	10.8	10.8	10.7	10.7	9.9
-1.0	**-2.0**	11.5	11.4	11.3	11.3	11.3	10.7	9.9
0.0	**-1.0**	11.8	11.7	11.6	11.6	11.5	10.7	9.9
2.0	**1.0**	12.4	12.3	12.2	12.0	11.6	10.8	9.9
5.0	**4.0**	13.3	13.2	12.5	12.1	11.7	10.8	10.0
7.0	**6.0**	13.8	13.3	12.5	12.1	11.7	10.8	10.0
9.0	**7.8**	14.2	13.3	12.5	12.1	11.7	10.8	10.0
12.0	**10.6**	14.2	13.3	12.5	12.1	11.7	10.8	10.0
15.0	**13.5**	14.2	13.3	12.5	12.1	11.7	10.8	10.0

■ MODEL : ARXC45

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	7.3	7.2	7.2	7.2	7.2	7.2	7.2
-15.0	**-16.0**	8.4	8.4	8.4	8.4	8.4	8.3	8.3
-12.0	**-13.0**	9.4	9.3	9.3	9.2	9.2	9.2	9.2
-9.0	**-10.0**	10.3	10.3	10.2	10.2	10.1	10.1	10.0
-7.0	**-8.0**	10.9	10.9	10.8	10.8	10.8	10.7	10.7
-5.0	**-6.0**	11.6	11.5	11.5	11.4	11.4	11.3	11.0
-3.0	**-4.0**	12.2	12.1	12.1	12.0	12.0	12.0	11.1
-1.0	**-2.0**	12.9	12.8	12.7	12.7	12.6	12.0	11.1
0.0	**-1.0**	13.2	13.1	13.0	13.0	12.9	12.0	11.1
2.0	**1.0**	13.9	13.8	13.7	13.4	13.0	12.0	11.1
5.0	**4.0**	14.9	14.8	14.0	13.5	13.1	12.1	11.2
7.0	**6.0**	15.5	14.9	14.0	13.5	13.1	12.1	11.2
9.0	**7.8**	15.9	14.9	14.0	13.5	13.1	12.1	11.2
12.0	**10.6**	15.9	14.9	14.0	13.5	13.1	12.1	11.2
15.0	**13.5**	15.9	14.9	14.0	13.5	13.1	12.1	11.2

■ MODEL : ARXC60

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	10.4	10.3	10.3	10.3	10.3	10.3	10.2
-15.0	**-16.0**	12.1	12.0	12.0	11.9	11.9	11.9	11.9
-12.0	**-13.0**	13.4	13.3	13.3	13.2	13.2	13.1	13.1
-9.0	**-10.0**	14.7	14.7	14.5	14.5	14.5	14.4	14.3
-7.0	**-8.0**	15.6	15.6	15.4	15.4	15.4	15.3	15.2
-5.0	**-6.0**	16.5	16.4	16.4	16.3	16.3	16.2	15.7
-3.0	**-4.0**	17.5	17.3	17.3	17.2	17.1	17.1	15.8
-1.0	**-2.0**	18.4	18.3	18.2	18.1	18.0	17.1	15.8
0.0	**-1.0**	18.9	18.7	18.6	18.5	18.5	17.1	15.8
2.0	**1.0**	19.8	19.7	19.6	19.2	18.5	17.2	15.9
5.0	**4.0**	21.3	21.1	20.0	19.3	18.7	17.3	16.0
7.0	**6.0**	22.2	21.3	20.0	19.3	18.7	17.3	16.0
9.0	**7.8**	22.7	21.3	20.0	19.3	18.7	17.3	16.0
12.0	**10.6**	22.7	21.3	20.0	19.3	18.7	17.3	16.0
15.0	**13.5**	22.7	21.3	20.0	19.3	18.7	17.3	16.0

TC : Total Capacity kW.

MODEL SELECTION

HEATING CAPACITY

■ MODEL : ARXC72

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	13.0	12.9	12.9	12.9	12.9	12.9	12.8
-15.0	**-16.0**	15.1	15.0	15.0	14.9	14.9	14.8	14.8
-12.0	**-13.0**	16.7	16.7	16.6	16.5	16.5	16.4	16.3
-9.0	**-10.0**	18.4	18.3	18.2	18.2	18.1	18.0	17.9
-7.0	**-8.0**	19.5	19.4	19.3	19.3	19.2	19.1	19.0
-5.0	**-6.0**	20.6	20.6	20.5	20.4	20.3	20.2	19.7
-3.0	**-4.0**	21.8	21.7	21.6	21.5	21.4	21.3	19.8
-1.0	**-2.0**	23.0	22.9	22.7	22.6	22.5	21.4	19.8
0.0	**-1.0**	23.6	23.4	23.3	23.2	23.1	21.4	19.8
2.0	**1.0**	24.8	24.6	24.4	24.0	23.2	21.5	19.8
5.0	**4.0**	26.6	26.4	25.0	24.1	23.3	21.7	20.0
7.0	**6.0**	27.7	26.6	25.0	24.1	23.3	21.7	20.0
9.0	**7.8**	28.3	26.6	25.0	24.1	23.3	21.7	20.0
12.0	**10.6**	28.3	26.7	25.0	24.1	23.3	21.7	20.0
15.0	**13.5**	28.3	26.7	25.0	24.1	23.3	21.7	20.0

■ MODEL : ARXC90

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	14.6	14.5	14.5	14.5	14.4	14.4	14.3
-15.0	**-16.0**	16.9	16.8	16.8	16.7	16.7	16.6	16.6
-12.0	**-13.0**	18.8	18.7	18.6	18.5	18.5	18.4	18.3
-9.0	**-10.0**	20.6	20.5	20.4	20.4	20.3	20.2	20.1
-7.0	**-8.0**	21.9	21.8	21.6	21.6	21.5	21.4	21.3
-5.0	**-6.0**	23.1	23.0	22.9	22.8	22.8	22.7	22.0
-3.0	**-4.0**	24.4	24.3	24.2	24.1	24.0	23.9	22.1
-1.0	**-2.0**	25.8	25.6	25.4	25.3	25.2	24.0	22.1
0.0	**-1.0**	26.4	26.2	26.0	26.0	25.9	24.0	22.1
2.0	**1.0**	27.7	27.6	27.4	26.8	26.0	24.1	22.2
5.0	**4.0**	29.8	29.6	28.0	27.0	26.1	24.3	22.4
7.0	**6.0**	31.0	29.8	28.0	27.0	26.1	24.3	22.4
9.0	**7.8**	31.7	29.8	28.0	27.0	26.1	24.3	22.4
12.0	**10.6**	31.7	29.9	28.0	27.0	26.1	24.3	22.4
15.0	**13.5**	31.7	29.9	28.0	27.0	26.1	24.3	22.4

TC : Total Capacity kW.

2-8-7. FLOOR / CEILING TYPE

HEATING CAPACITY

■ MODEL : AB∗A12

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	2.1	2.1	2.1	2.1	2.1	2.1	2.1
-15.0	**-16.0**	2.5	2.5	2.5	2.4	2.4	2.4	2.4
-12.0	**-13.0**	2.7	2.7	2.7	2.7	2.7	2.7	2.7
-9.0	**-10.0**	3.0	3.0	3.0	3.0	3.0	3.0	2.9
-7.0	**-8.0**	3.2	3.2	3.2	3.2	3.1	3.1	3.1
-5.0	**-6.0**	3.4	3.4	3.4	3.3	3.3	3.3	3.2
-3.0	**-4.0**	3.6	3.6	3.5	3.5	3.5	3.5	3.2
-1.0	**-2.0**	3.8	3.7	3.7	3.7	3.7	3.5	3.2
0.0	**-1.0**	3.9	3.8	3.8	3.8	3.8	3.5	3.2
2.0	**1.0**	4.1	4.0	4.0	3.9	3.8	3.5	3.3
5.0	**4.0**	4.4	4.3	4.1	4.0	3.8	3.6	3.3
7.0	**6.0**	4.5	4.4	4.1	4.0	3.8	3.6	3.3
9.0	**7.8**	4.6	4.4	4.1	4.0	3.8	3.6	3.3
12.0	**10.6**	4.6	4.4	4.1	4.0	3.8	3.6	3.3
15.0	**13.5**	4.6	4.4	4.1	4.0	3.8	3.6	3.3

■ MODEL : AB∗A14

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	2.3	2.3	2.3	2.3	2.3	2.3	2.3
-15.0	**-16.0**	2.7	2.7	2.7	2.7	2.7	2.7	2.7
-12.0	**-13.0**	3.0	3.0	3.0	3.0	3.0	3.0	2.9
-9.0	**-10.0**	3.3	3.3	3.3	3.3	3.3	3.2	3.2
-7.0	**-8.0**	3.5	3.5	3.5	3.5	3.5	3.4	3.4
-5.0	**-6.0**	3.7	3.7	3.7	3.7	3.7	3.6	3.5
-3.0	**-4.0**	3.9	3.9	3.9	3.9	3.9	3.8	3.6
-1.0	**-2.0**	4.1	4.1	4.1	4.1	4.1	3.9	3.6
0.0	**-1.0**	4.2	4.2	4.2	4.2	4.2	3.9	3.6
2.0	**1.0**	4.5	4.4	4.4	4.3	4.2	3.9	3.6
5.0	**4.0**	4.8	4.8	4.5	4.3	4.2	3.9	3.6
7.0	**6.0**	5.0	4.8	4.5	4.3	4.2	3.9	3.6
9.0	**7.8**	5.1	4.8	4.5	4.3	4.2	3.9	3.6
12.0	**10.6**	5.1	4.8	4.5	4.3	4.2	3.9	3.6
15.0	**13.5**	5.1	4.8	4.5	4.3	4.2	3.9	3.6

■ MODEL : AB∗A18

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	3.3	3.3	3.3	3.3	3.2	3.2	3.2
-15.0	**-16.0**	3.8	3.8	3.8	3.8	3.8	3.7	3.7
-12.0	**-13.0**	4.2	4.2	4.2	4.2	4.2	4.1	4.1
-9.0	**-10.0**	4.6	4.6	4.6	4.6	4.6	4.5	4.5
-7.0	**-8.0**	4.9	4.9	4.9	4.9	4.8	4.8	4.8
-5.0	**-6.0**	5.2	5.2	5.2	5.1	5.1	5.1	5.0
-3.0	**-4.0**	5.5	5.5	5.4	5.4	5.4	5.4	5.0
-1.0	**-2.0**	5.8	5.8	5.7	5.7	5.7	5.4	5.0
0.0	**-1.0**	5.9	5.9	5.9	5.8	5.8	5.4	5.0
2.0	**1.0**	6.2	6.2	6.2	6.0	5.8	5.4	5.0
5.0	**4.0**	6.7	6.7	6.3	6.1	5.9	5.5	5.0
7.0	**6.0**	7.0	6.7	6.3	6.1	5.9	5.5	5.0
9.0	**7.8**	7.1	6.7	6.3	6.1	5.9	5.5	5.0
12.0	**10.6**	7.1	6.7	6.3	6.1	5.9	5.5	5.0
15.0	**13.5**	7.1	6.7	6.3	6.1	5.9	5.5	5.0

■ MODEL : AB∗A24

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	4.2	4.1	4.1	4.1	4.1	4.1	4.1
-15.0	**-16.0**	4.8	4.8	4.8	4.8	4.8	4.7	4.7
-12.0	**-13.0**	5.4	5.3	5.3	5.3	5.3	5.3	5.2
-9.0	**-10.0**	5.9	5.9	5.8	5.8	5.8	5.8	5.7
-7.0	**-8.0**	6.2	6.2	6.2	6.2	6.1	6.1	6.1
-5.0	**-6.0**	6.6	6.6	6.6	6.5	6.5	6.5	6.3
-3.0	**-4.0**	7.0	6.9	6.9	6.9	6.9	6.8	6.3
-1.0	**-2.0**	7.4	7.3	7.3	7.2	7.2	6.9	6.3
0.0	**-1.0**	7.5	7.5	7.4	7.4	7.4	6.9	6.3
2.0	**1.0**	7.9	7.9	7.8	7.7	7.4	6.9	6.3
5.0	**4.0**	8.5	8.5	8.0	7.7	7.5	6.9	6.4
7.0	**6.0**	8.9	8.5	8.0	7.7	7.5	6.9	6.4
9.0	**7.8**	9.1	8.5	8.0	7.7	7.5	6.9	6.4
12.0	**10.6**	9.1	8.5	8.0	7.7	7.5	6.9	6.4
15.0	**13.5**	9.1	8.5	8.0	7.7	7.5	6.9	6.4

TC : Total Capacity kW.

MODEL SELECTION

2-8-8. CEILING TYPE

HEATING CAPACITY

■ MODEL : AB∗A30

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	5.2	5.2	5.2	5.2	5.1	5.1	5.1
-15.0	**-16.0**	6.0	6.0	6.0	6.0	6.0	5.9	5.9
-12.0	**-13.0**	6.7	6.7	6.6	6.6	6.6	6.6	6.5
-9.0	**-10.0**	7.4	7.3	7.3	7.3	7.2	7.2	7.2
-7.0	**-8.0**	7.8	7.8	7.7	7.7	7.7	7.7	7.6
-5.0	**-6.0**	8.3	8.2	8.2	8.2	8.1	8.1	7.9
-3.0	**-4.0**	8.7	8.7	8.6	8.6	8.6	8.5	7.9
-1.0	**-2.0**	9.2	9.1	9.1	9.0	9.0	8.6	7.9
0.0	**-1.0**	9.4	9.4	9.3	9.3	9.2	8.6	7.9
2.0	**1.0**	9.9	9.8	9.8	9.6	9.3	8.6	7.9
5.0	**4.0**	10.6	10.6	10.0	9.7	9.3	8.7	8.0
7.0	**6.0**	11.1	10.6	10.0	9.7	9.3	8.7	8.0
9.0	**7.8**	11.3	10.6	10.0	9.7	9.3	8.7	8.0
12.0	**10.6**	11.3	10.7	10.0	9.7	9.3	8.7	8.0
15.0	**13.5**	11.3	10.7	10.0	9.7	9.3	8.7	8.0

■ MODEL : AB∗A36

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	6.5	6.5	6.5	6.5	6.4	6.4	6.4
-15.0	**-16.0**	7.5	7.5	7.5	7.5	7.5	7.4	7.4
-12.0	**-13.0**	8.4	8.3	8.3	8.3	8.3	8.2	8.2
-9.0	**-10.0**	9.2	9.2	9.1	9.1	9.0	9.0	9.0
-7.0	**-8.0**	9.8	9.7	9.6	9.6	9.6	9.6	9.5
-5.0	**-6.0**	10.3	10.3	10.2	10.2	10.2	10.1	9.8
-3.0	**-4.0**	10.9	10.8	10.8	10.8	10.7	10.7	9.9
-1.0	**-2.0**	11.5	11.4	11.3	11.3	11.3	10.7	9.9
0.0	**-1.0**	11.8	11.7	11.6	11.6	11.5	10.7	9.9
2.0	**1.0**	12.4	12.3	12.2	12.0	11.6	10.8	9.9
5.0	**4.0**	13.3	13.2	12.5	12.1	11.7	10.8	10.0
7.0	**6.0**	13.8	13.3	12.5	12.1	11.7	10.8	10.0
9.0	**7.8**	14.2	13.3	12.5	12.1	11.7	10.8	10.0
12.0	**10.6**	14.2	13.3	12.5	12.1	11.7	10.8	10.0
15.0	**13.5**	14.2	13.3	12.5	12.1	11.7	10.8	10.0

■ MODEL : AB∗A45

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	7.3	7.2	7.2	7.2	7.2	7.2	7.2
-15.0	**-16.0**	8.4	8.4	8.4	8.4	8.4	8.3	8.3
-12.0	**-13.0**	9.4	9.3	9.3	9.2	9.2	9.2	9.2
-9.0	**-10.0**	10.3	10.3	10.2	10.2	10.1	10.1	10.0
-7.0	**-8.0**	10.9	10.9	10.8	10.8	10.8	10.7	10.7
-5.0	**-6.0**	11.6	11.5	11.5	11.4	11.4	11.3	11.0
-3.0	**-4.0**	12.2	12.1	12.1	12.0	12.0	12.0	11.1
-1.0	**-2.0**	12.9	12.8	12.7	12.7	12.6	12.0	11.1
0.0	**-1.0**	13.2	13.1	13.0	13.0	12.9	12.0	11.1
2.0	**1.0**	13.9	13.8	13.7	13.4	13.0	12.0	11.1
5.0	**4.0**	14.9	14.8	14.0	13.5	13.1	12.1	11.2
7.0	**6.0**	15.5	14.9	14.0	13.5	13.1	12.1	11.2
9.0	**7.8**	15.9	14.9	14.0	13.5	13.1	12.1	11.2
12.0	**10.6**	15.9	14.9	14.0	13.5	13.1	12.1	11.2
15.0	**13.5**	15.9	14.9	14.0	13.5	13.1	12.1	11.2

■ MODEL : AB∗A54

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	8.3	8.3	8.3	8.3	8.2	8.2	8.2
-15.0	**-16.0**	9.7	9.6	9.6	9.5	9.5	9.5	9.5
-12.0	**-13.0**	10.7	10.7	10.6	10.6	10.6	10.5	10.5
-9.0	**-10.0**	11.8	11.7	11.6	11.6	11.6	11.5	11.5
-7.0	**-8.0**	12.5	12.4	12.3	12.3	12.3	12.2	12.2
-5.0	**-6.0**	13.2	13.2	13.1	13.1	13.0	13.0	12.6
-3.0	**-4.0**	14.0	13.9	13.8	13.8	13.7	13.7	12.6
-1.0	**-2.0**	14.7	14.6	14.5	14.5	14.4	13.7	12.6
0.0	**-1.0**	15.1	15.0	14.9	14.8	14.8	13.7	12.6
2.0	**1.0**	15.8	15.7	15.6	15.3	14.8	13.8	12.7
5.0	**4.0**	17.0	16.9	16.0	15.4	14.9	13.9	12.8
7.0	**6.0**	17.7	17.0	16.0	15.4	14.9	13.9	12.8
9.0	**7.8**	18.1	17.0	16.0	15.4	14.9	13.9	12.8
12.0	**10.6**	18.1	17.1	16.0	15.4	14.9	13.9	12.8
15.0	**13.5**	18.1	17.1	16.0	15.4	14.9	13.9	12.8

TC : Total Capacity kW.

2-8-9. COMPACT WALL MOUNTED TYPE (EEV internal model)

HEATING CAPACITY

■ MODEL : AS∗A07

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	1.5	1.4	1.4	1.4	1.4	1.4	1.4
-15.0	**-16.0**	1.7	1.7	1.7	1.7	1.7	1.7	1.7
-12.0	**-13.0**	1.9	1.9	1.9	1.8	1.8	1.8	1.8
-9.0	**-10.0**	2.1	2.1	2.0	2.0	2.0	2.0	2.0
-7.0	**-8.0**	2.2	2.2	2.2	2.2	2.2	2.1	2.1
-5.0	**-6.0**	2.3	2.3	2.3	2.3	2.3	2.3	2.2
-3.0	**-4.0**	2.4	2.4	2.4	2.4	2.4	2.4	2.2
-1.0	**-2.0**	2.6	2.6	2.5	2.5	2.5	2.4	2.2
0.0	**-1.0**	2.6	2.6	2.6	2.6	2.6	2.4	2.2
2.0	**1.0**	2.8	2.8	2.7	2.7	2.6	2.4	2.2
5.0	**4.0**	3.0	3.0	2.8	2.7	2.6	2.4	2.2
7.0	**6.0**	3.1	3.0	2.8	2.7	2.6	2.4	2.2
9.0	**7.8**	3.2	3.0	2.8	2.7	2.6	2.4	2.2
12.0	**10.6**	3.2	3.0	2.8	2.7	2.6	2.4	2.2
15.0	**13.5**	3.2	3.0	2.8	2.7	2.6	2.4	2.2

■ MODEL : AS∗A09

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	1.7	1.7	1.7	1.7	1.6	1.6	1.6
-15.0	**-16.0**	1.9	1.9	1.9	1.9	1.9	1.9	1.9
-12.0	**-13.0**	2.1	2.1	2.1	2.1	2.1	2.1	2.1
-9.0	**-10.0**	2.4	2.3	2.3	2.3	2.3	2.3	2.3
-7.0	**-8.0**	2.5	2.5	2.5	2.5	2.5	2.4	2.4
-5.0	**-6.0**	2.6	2.6	2.6	2.6	2.6	2.6	2.5
-3.0	**-4.0**	2.8	2.8	2.8	2.8	2.7	2.7	2.5
-1.0	**-2.0**	2.9	2.9	2.9	2.9	2.9	2.7	2.5
0.0	**-1.0**	3.0	3.0	3.0	3.0	3.0	2.7	2.5
2.0	**1.0**	3.2	3.1	3.1	3.1	3.0	2.8	2.5
5.0	**4.0**	3.4	3.4	3.2	3.1	3.0	2.8	2.6
7.0	**6.0**	3.5	3.4	3.2	3.1	3.0	2.8	2.6
9.0	**7.8**	3.6	3.4	3.2	3.1	3.0	2.8	2.6
12.0	**10.6**	3.6	3.4	3.2	3.1	3.0	2.8	2.6
15.0	**13.5**	3.6	3.4	3.2	3.1	3.0	2.8	2.6

■ MODEL : AS∗A12

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	2.1	2.1	2.1	2.1	2.1	2.1	2.1
-15.0	**-16.0**	2.5	2.5	2.5	2.4	2.4	2.4	2.4
-12.0	**-13.0**	2.7	2.7	2.7	2.7	2.7	2.7	2.7
-9.0	**-10.0**	3.0	3.0	3.0	3.0	3.0	3.0	2.9
-7.0	**-8.0**	3.2	3.2	3.2	3.2	3.1	3.1	3.1
-5.0	**-6.0**	3.4	3.4	3.4	3.3	3.3	3.3	3.2
-3.0	**-4.0**	3.6	3.6	3.5	3.5	3.5	3.5	3.2
-1.0	**-2.0**	3.8	3.7	3.7	3.7	3.7	3.5	3.2
0.0	**-1.0**	3.9	3.8	3.8	3.8	3.8	3.5	3.2
2.0	**1.0**	4.1	4.0	4.0	3.9	3.8	3.5	3.3
5.0	**4.0**	4.4	4.3	4.1	4.0	3.8	3.6	3.3
7.0	**6.0**	4.5	4.4	4.1	4.0	3.8	3.6	3.3
9.0	**7.8**	4.6	4.4	4.1	4.0	3.8	3.6	3.3
12.0	**10.6**	4.6	4.4	4.1	4.0	3.8	3.6	3.3
15.0	**13.5**	4.6	4.4	4.1	4.0	3.8	3.6	3.3

■ MODEL : AS∗A14

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	2.6	2.6	2.6	2.6	2.6	2.6	2.6
-15.0	**-16.0**	3.0	3.0	3.0	3.0	3.0	3.0	3.0
-12.0	**-13.0**	3.3	3.3	3.3	3.3	3.3	3.3	3.3
-9.0	**-10.0**	3.7	3.7	3.6	3.6	3.6	3.6	3.6
-7.0	**-8.0**	3.9	3.9	3.9	3.9	3.8	3.8	3.8
-5.0	**-6.0**	4.1	4.1	4.1	4.1	4.1	4.0	3.9
-3.0	**-4.0**	4.4	4.3	4.3	4.3	4.3	4.3	4.0
-1.0	**-2.0**	4.6	4.6	4.5	4.5	4.5	4.3	4.0
0.0	**-1.0**	4.7	4.7	4.7	4.6	4.6	4.3	4.0
2.0	**1.0**	5.0	4.9	4.9	4.8	4.6	4.3	4.0
5.0	**4.0**	5.3	5.3	5.0	4.8	4.7	4.3	4.0
7.0	**6.0**	5.5	5.3	5.0	4.8	4.7	4.3	4.0
9.0	**7.8**	5.7	5.3	5.0	4.8	4.7	4.3	4.0
12.0	**10.6**	5.7	5.3	5.0	4.8	4.7	4.3	4.0
15.0	**13.5**	5.7	5.3	5.0	4.8	4.7	4.3	4.0

TC : Total Capacity kW.

2-8-10. COMPACT WALL MOUNTED TYPE (EEV external model)

HEATING CAPACITY

■ MODEL : AS∗E07

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	1.5	1.4	1.4	1.4	1.4	1.4	1.4
-15.0	**-16.0**	1.7	1.7	1.7	1.7	1.7	1.7	1.7
-12.0	**-13.0**	1.9	1.9	1.9	1.8	1.8	1.8	1.8
-9.0	**-10.0**	2.1	2.1	2.0	2.0	2.0	2.0	2.0
-7.0	**-8.0**	2.2	2.2	2.2	2.2	2.2	2.1	2.1
-5.0	**-6.0**	2.3	2.3	2.3	2.3	2.3	2.3	2.2
-3.0	**-4.0**	2.4	2.4	2.4	2.4	2.4	2.4	2.2
-1.0	**-2.0**	2.6	2.6	2.5	2.5	2.5	2.4	2.2
0.0	**-1.0**	2.6	2.6	2.6	2.6	2.6	2.4	2.2
2.0	**1.0**	2.8	2.8	2.7	2.7	2.6	2.4	2.2
5.0	**4.0**	3.0	3.0	2.8	2.7	2.6	2.4	2.2
7.0	**6.0**	3.1	3.0	2.8	2.7	2.6	2.4	2.2
9.0	**7.8**	3.2	3.0	2.8	2.7	2.6	2.4	2.2
12.0	**10.6**	3.2	3.0	2.8	2.7	2.6	2.4	2.2
15.0	**13.5**	3.2	3.0	2.8	2.7	2.6	2.4	2.2

■ MODEL : AS∗E09

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	1.7	1.7	1.7	1.7	1.6	1.6	1.6
-15.0	**-16.0**	1.9	1.9	1.9	1.9	1.9	1.9	1.9
-12.0	**-13.0**	2.1	2.1	2.1	2.1	2.1	2.1	2.1
-9.0	**-10.0**	2.4	2.3	2.3	2.3	2.3	2.3	2.3
-7.0	**-8.0**	2.5	2.5	2.5	2.5	2.5	2.4	2.4
-5.0	**-6.0**	2.6	2.6	2.6	2.6	2.6	2.6	2.5
-3.0	**-4.0**	2.8	2.8	2.8	2.8	2.7	2.7	2.5
-1.0	**-2.0**	2.9	2.9	2.9	2.9	2.9	2.7	2.5
0.0	**-1.0**	3.0	3.0	3.0	3.0	3.0	2.7	2.5
2.0	**1.0**	3.2	3.1	3.1	3.1	3.0	2.8	2.5
5.0	**4.0**	3.4	3.4	3.2	3.1	3.0	2.8	2.6
7.0	**6.0**	3.5	3.4	3.2	3.1	3.0	2.8	2.6
9.0	**7.8**	3.6	3.4	3.2	3.1	3.0	2.8	2.6
12.0	**10.6**	3.6	3.4	3.2	3.1	3.0	2.8	2.6
15.0	**13.5**	3.6	3.4	3.2	3.1	3.0	2.8	2.6

■ MODEL : AS∗E12

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	2.1	2.1	2.1	2.1	2.1	2.1	2.1
-15.0	**-16.0**	2.5	2.5	2.5	2.4	2.4	2.4	2.4
-12.0	**-13.0**	2.7	2.7	2.7	2.7	2.7	2.7	2.7
-9.0	**-10.0**	3.0	3.0	3.0	3.0	3.0	3.0	2.9
-7.0	**-8.0**	3.2	3.2	3.2	3.2	3.1	3.1	3.1
-5.0	**-6.0**	3.4	3.4	3.4	3.3	3.3	3.3	3.2
-3.0	**-4.0**	3.6	3.6	3.5	3.5	3.5	3.5	3.2
-1.0	**-2.0**	3.8	3.7	3.7	3.7	3.7	3.5	3.2
0.0	**-1.0**	3.9	3.8	3.8	3.8	3.8	3.5	3.2
2.0	**1.0**	4.1	4.0	4.0	3.9	3.8	3.5	3.3
5.0	**4.0**	4.4	4.3	4.1	4.0	3.8	3.6	3.3
7.0	**6.0**	4.5	4.4	4.1	4.0	3.8	3.6	3.3
9.0	**7.8**	4.6	4.4	4.1	4.0	3.8	3.6	3.3
12.0	**10.6**	4.6	4.4	4.1	4.0	3.8	3.6	3.3
15.0	**13.5**	4.6	4.4	4.1	4.0	3.8	3.6	3.3

■ MODEL : AS∗E14

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	2.6	2.6	2.6	2.6	2.6	2.6	2.6
-15.0	**-16.0**	3.0	3.0	3.0	3.0	3.0	3.0	3.0
-12.0	**-13.0**	3.3	3.3	3.3	3.3	3.3	3.3	3.3
-9.0	**-10.0**	3.7	3.7	3.6	3.6	3.6	3.6	3.6
-7.0	**-8.0**	3.9	3.9	3.9	3.9	3.8	3.8	3.8
-5.0	**-6.0**	4.1	4.1	4.1	4.1	4.1	4.0	3.9
-3.0	**-4.0**	4.4	4.3	4.3	4.3	4.3	4.3	4.0
-1.0	**-2.0**	4.6	4.6	4.5	4.5	4.5	4.3	4.0
0.0	**-1.0**	4.7	4.7	4.7	4.6	4.6	4.3	4.0
2.0	**1.0**	5.0	4.9	4.9	4.8	4.6	4.3	4.0
5.0	**4.0**	5.3	5.3	5.0	4.8	4.7	4.3	4.0
7.0	**6.0**	5.5	5.3	5.0	4.8	4.7	4.3	4.0
9.0	**7.8**	5.7	5.3	5.0	4.8	4.7	4.3	4.0
12.0	**10.6**	5.7	5.3	5.0	4.8	4.7	4.3	4.0
15.0	**13.5**	5.7	5.3	5.0	4.8	4.7	4.3	4.0

TC : Total Capacity kW.

2-8-11. WALL MOUNTED TYPE

HEATING CAPACITY

■ MODEL : AS∗A18

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	3.3	3.3	3.3	3.3	3.2	3.2	3.2
-15.0	**-16.0**	3.8	3.8	3.8	3.8	3.8	3.7	3.7
-12.0	**-13.0**	4.2	4.2	4.2	4.2	4.2	4.1	4.1
-9.0	**-10.0**	4.6	4.6	4.6	4.6	4.6	4.5	4.5
-7.0	**-8.0**	4.9	4.9	4.9	4.9	4.8	4.8	4.8
-5.0	**-6.0**	5.2	5.2	5.2	5.1	5.1	5.1	5.0
-3.0	**-4.0**	5.5	5.5	5.4	5.4	5.4	5.4	5.0
-1.0	**-2.0**	5.8	5.8	5.7	5.7	5.7	5.4	5.0
0.0	**-1.0**	5.9	5.9	5.9	5.8	5.8	5.4	5.0
2.0	**1.0**	6.2	6.2	6.2	6.0	5.8	5.4	5.0
5.0	**4.0**	6.7	6.7	6.3	6.1	5.9	5.5	5.0
7.0	**6.0**	7.0	6.7	6.3	6.1	5.9	5.5	5.0
9.0	**7.8**	7.1	6.7	6.3	6.1	5.9	5.5	5.0
12.0	**10.6**	7.1	6.7	6.3	6.1	5.9	5.5	5.0
15.0	**13.5**	7.1	6.7	6.3	6.1	5.9	5.5	5.0

■ MODEL : AS∗A24

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	4.2	4.1	4.1	4.1	4.1	4.1	4.1
-15.0	**-16.0**	4.8	4.8	4.8	4.8	4.8	4.7	4.7
-12.0	**-13.0**	5.4	5.3	5.3	5.3	5.3	5.3	5.2
-9.0	**-10.0**	5.9	5.9	5.8	5.8	5.8	5.8	5.7
-7.0	**-8.0**	6.2	6.2	6.2	6.2	6.1	6.1	6.1
-5.0	**-6.0**	6.6	6.6	6.6	6.5	6.5	6.5	6.3
-3.0	**-4.0**	7.0	6.9	6.9	6.9	6.9	6.8	6.3
-1.0	**-2.0**	7.4	7.3	7.3	7.2	7.2	6.9	6.3
0.0	**-1.0**	7.5	7.5	7.4	7.4	7.4	6.9	6.3
2.0	**1.0**	7.9	7.9	7.8	7.7	7.4	6.9	6.3
5.0	**4.0**	8.5	8.5	8.0	7.7	7.5	6.9	6.4
7.0	**6.0**	8.9	8.5	8.0	7.7	7.5	6.9	6.4
9.0	**7.8**	9.1	8.5	8.0	7.7	7.5	6.9	6.4
12.0	**10.6**	9.1	8.5	8.0	7.7	7.5	6.9	6.4
15.0	**13.5**	9.1	8.5	8.0	7.7	7.5	6.9	6.4

■ MODEL : AS∗A30

Outdoor Temperature		Indoor temperature						
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB	26°CDB
(°CDB)	(°CWB)	TC	TC	TC	TC	TC	TC	TC
-19.3	**-20.0**	4.6	4.6	4.6	4.6	4.5	4.5	4.5
-15.0	**-16.0**	5.3	5.3	5.3	5.3	5.3	5.2	5.2
-12.0	**-13.0**	5.9	5.9	5.8	5.8	5.8	5.8	5.8
-9.0	**-10.0**	6.5	6.5	6.4	6.4	6.4	6.3	6.3
-7.0	**-8.0**	6.9	6.8	6.8	6.8	6.8	6.7	6.7
-5.0	**-6.0**	7.3	7.2	7.2	7.2	7.2	7.1	6.9
-3.0	**-4.0**	7.7	7.6	7.6	7.6	7.5	7.5	7.0
-1.0	**-2.0**	8.1	8.0	8.0	8.0	7.9	7.5	7.0
0.0	**-1.0**	8.3	8.2	8.2	8.2	8.1	7.5	7.0
2.0	**1.0**	8.7	8.7	8.6	8.4	8.2	7.6	7.0
5.0	**4.0**	9.4	9.3	8.8	8.5	8.2	7.6	7.0
7.0	**6.0**	9.7	9.4	8.8	8.5	8.2	7.6	7.0
9.0	**7.8**	10.0	9.4	8.8	8.5	8.2	7.6	7.0
12.0	**10.6**	10.0	9.4	8.8	8.5	8.2	7.6	7.0
15.0	**13.5**	10.0	9.4	8.8	8.5	8.2	7.6	7.0

TC : Total Capacity kW.

Refrigerant R410A
INVERTER

AIRSTAGE™ V-II
Variable Refrigerant Flow System

3. OUTDOOR UNITS

3-1. SPECIFICATIONS

3-1-1. SPACE SAVING COMBINATION

Nominal system capacity			HP	8	10	12
Model name				AJ∗A72LALH	AJ∗A90LALH	AJ∗108LALH
Power source				3N ~ 400 V, 50Hz		
Available voltage range				342 to 456V		
Capacity	Cooling		kW	22.4	28.0	33.5
	Heating			25.0	31.5	37.5
Input power	Cooling		kW	5.51	7.73	9.62
	Heating			5.72	7.83	9.28
EER	Cooling		W / W	4.07	3.62	3.48
COP	Heating			4.37	4.02	4.04
Fan	Type x Quantity			Propeller fan x 1		
	Airflow rate	High	m^3 / h	11,100	11,100	11,100
	External static pressure (Max)		Pa	80	80	80
	Motor	Type x Quantity		DC motor × 1		
		Output	W	600	600	600
Sound pressure level	Cooling		dB(A)	56	58	58
	Heating			58	59	60
Heat exchanger	Length		mm	1,750	1,750	1,750
	Fin pitch			1.45	1.45	1.45
	Rows x Stages			3 x 60		
	Face area		m^2	2.2	2.2	2.2
	Pipe type (Material)			Grooved H-pin (Copper)		
	Fin	Type (Material)		Corrugate (Aluminium)		
		Surface treatment		Corrosion resistance (Blue fin)		
Compressor	Type x Quantity			Rotary(inv) x 1	Rotary(inv) x 1	Rotary(inv) x 1 Scroll x 1
	Motor output		kW	3.9	3.9	3.9 + 4.5
	Crankcase heater		W	25	25	25 + 35
Refrigerant	Type			R410A		
	Charge		kg	11.2	11.2	11.8
Refrigerant oil	Type			PVE		
Enclosure	Material			Painted galvanized steel		
	Colour			Beige (10YR 7.5/1.0NN)		
Dimensions (H x W x D)	Net		mm	1,690 × 930 × 765	1,690 × 930 × 765	1,690 × 930 × 765
	Gross			1,811 × 1,002 × 928	1,811 × 1,002 × 928	1,811 × 1,002 × 928
Weight	Net		kg	220	220	275
	Gross			248	248	303
Connection pipe	Pipe diameter	Liquid	mm	12.70	12.70	12.70
		Gas		22.22	22.22	28.58
	Method	Liquid		Brazing		
		Gas		Brazing		
	Max. length		m	150		
	Max. height difference			50 / 40 (Outdoor unit : Upper / Lower)		
Operation temperature range	Cooling		°CDB	-15 to 46 *1		
	Heating			-20 to 21		
Defrost method				Reversed cycle		
Compressor capacity control (Steps / Range)				71 Steps / 30 - 100%		127 Steps / 19 - 100%
Connectable indoor units			Number	15	16	17

Note : Specifications are based on the following conditions.
Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.
Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m.

*1 : In case of use multiple outdoor units : -5 to 46°C

Nominal system capacity			HP	14	16
Model name				AJ∗126LALH	AJ∗144LALH
Power source				3N ~ 400 V, 50Hz	
Available voltage range				342 to 456V	
Capacity	Cooling		kW	40.0	45.0
	Heating			45.0	50.0
Input power	Cooling		kW	11.53	14.17
	Heating			11.45	12.60
EER	Cooling		W / W	3.47	3.18
COP	Heating			3.93	3.97
Fan	Type x Quantity			Propeller fan x 1	
	Airflow rate	High	m^3 / h	13,000	13,000
	External static pressure (Max)		Pa	80	80
	Motor	Type x Quantity		DC motor × 1	
		Output	W	600	600
Sound pressure level	Cooling		dB(A)	60	61
	Heating			61	61
Heat exchanger	Length		mm	2,060	2,060
	Fin pitch			1.45	1.45
	Rows x Stages			3 x 60	
	Face area		m^2	2.6	2.6
	Pipe type (Material)			Grooved H-pin (Copper)	
	Fin	Type (Material)		Corrugate (Aluminium)	
		Surface treatment		Corrosion resistance (Blue fin)	
Compressor	Type x Quantity			Rotary(inv) x 1 Scroll x 1	Rotary(inv) x 1 Scroll x 1
	Motor output		kW	3.9 + 4.5	3.9 + 4.5
	Crankcase heater		W	25 + 35	25 + 35
Refrigerant	Type			R410A	
	Charge		kg	11.8	11.8
Refrigerant oil	Type			PVE	
Enclosure	Material			Painted galvanized steel	
	Colour			Beige (10YR 7.5/1.0NN)	
Dimensions (H x W x D)	Net		mm	1,690 x 1,240 x 765	1,690 x 1,240 x 765
	Gross			1,811 × 1,312 × 928	1,811 × 1,312 × 928
Weight	Net		kg	296	296
	Gross			326	326
Connection pipe	Pipe diameter	Liquid	mm	12.70	12.70
		Gas		28.58	28.58
	Method	Liquid		Brazing	
		Gas		Brazing	
	Max. length		m	150	
	Max. height difference			50 / 40 (Outdoor unit : Upper / Lower)	
Operation temperature range	Cooling		°CDB	-15 to 46 *1	
	Heating			-20 to 21	
Defrost method				Reversed cycle	
Compressor capacity control (Steps / Range)				127 Steps / 19 - 100%	
Connectable indoor units			Number	21	24

Note : Specifications are based on the following conditions.
Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.
Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m.

*1 : In case of use multiple outdoor units : -5 to 46°C

OUTDOOR UNITS

Nominal system capacity			HP	18	20	22	24
Set model name				AJ∗162LALH	AJ∗180LALH	AJ∗198LALH	AJ∗216LALH
Model name (combination)				AJ∗A90LALH AJ∗A72LALH	AJ∗108LALH AJ∗A72LALH	AJ∗108LALH AJ∗A90LALH	AJ∗108LALH AJ∗108LALH
Power source				3N ~ 400 V, 50Hz			
Available voltage range				342 to 456 V			
Capacity	Cooling		kW	50.4	55.9	61.5	67.0
	Heating			56.5	62.5	69.0	75.0
Input power	Cooling		kW	13.24	15.13	17.35	19.24
	Heating			13.55	15.00	17.11	18.56
EER	Cooling		W / W	3.81	3.69	3.54	3.48
COP	Heating			4.17	4.17	4.03	4.04
Fan	Type x Quantity			Propeller fan x 2			
	Airflow rate	High	m^3 / h	11,100 × 2	11,100 × 2	11,100 × 2	11,100 × 2
	External static pressure (Max)		Pa	80	80	80	80
	Motor	Type x Quantity		DC motor × 2			
		Output	W	600 x 2	600 x 2	600 x 2	600 x 2
Sound pressure level	Cooling		dB(A)	60	60	61	61
	Heating			62	62	63	63
Heat exchanger	Length		mm	1,750×2	1,750×2	1,750×2	1,750×2
	Fin pitch			1.45	1.45	1.45	1.45
	Rows x Stages			3 x 60			
	Face area		m^2	2.2×2	2.2×2	2.2×2	2.2×2
	Pipe type (Material)			Grooved H-pin (Copper)			
	Fin	Type (Material)		Corrugate (Aluminium)			
		Surface treatment		Corrosion resistance (Blue fin)			
Compressor	Type x Quantity			Rotary(inv) x 2	Rotary(inv) x 2 Scroll x 1	Rotary(inv) x 2 Scroll x 1	Rotary(inv) x 2 Scroll x 2
	Motor output		kW	3.9×2	3.9×2 + 4.5	3.9×2 + 4.5	3.9×2 + 4.5×2
	Crankcase heater		W	25×2	25×2 + 35	25×2 + 35	25×2 + 35×2
Refrigerant	Type			R410A			
	Charge		kg	11.2×2	11.8 + 11.2	11.8 + 11.2	11.8×2
Refrigerant oil	Type			PVE			
Enclosure	Material			Painted galvanized steel			
	Colour			Beige (10YR 7.5/1.0NN)			
Dimensions (H x W x D)	Net		mm	(1,690×930×765) × 2	(1,690×930×765) ×2	(1,690×930×765) ×2	(1,690×930×765) ×2
	Gross			(1,811×1,002×928) ×2	(1,811×1,002×928) ×2	(1,811×1,002×928) ×2	(1,811×1,002×928) ×2
Weight	Net		kg	220+220	275+220	275+220	275+275
	Gross			248+248	303+248	303+248	303+303
Connection pipe	Pipe diameter	Liquid	mm	15.88	15.88	15.88	15.88
		Gas		28.58	28.58	34.92	34.92
	Method	Liquid		Brazing			
		Gas		Brazing			
	Max. length		m	150			
	Max. height difference			50 / 40 (Outdoor unit : Upper / Lower)			
Operation temperature range	Cooling		°CDB	-5 to 46			
	Heating			-20 to 21			
Defrost method				Reversed cycle			
Connectable indoor units			Number	32	32	32	35

Note : Specifications are based on the following conditions.

Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.

Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.

Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m.

OUTDOOR UNITS

Nominal system capacity			HP	26	28	30	32
Set model name				AJ∗234LALH	AJ∗252LALH	AJ∗270LALH	AJ∗288LALH
Model name (combination)				AJ∗126LALH AJ∗108LALH	AJ∗144LALH AJ∗108LALH	AJ∗144LALH AJ∗126LALH	AJ∗144LALH AJ∗144LALH
Power source				3N ~ 400 V, 50Hz			
Available voltage range				342 to 456 V			
Capacity	Cooling		kW	73.5	78.5	85.0	90.0
	Heating			82.5	87.5	95.0	100.0
Input power	Cooling		kW	21.15	23.79	25.70	28.34
	Heating			20.73	21.88	24.05	25.20
EER	Cooling		W / W	3.48	3.30	3.31	3.18
COP	Heating			3.98	4.00	3.95	3.97
Fan	Type x Quantity			Propeller fan x 2			
	Airflow rate	High	m^3 / h	13,000 + 11,100	13,000 + 11,100	13,000 × 2	13,000 × 2
	External static pressure (Max)		Pa	80	80	80	80
	Motor	Type x Quantity		DC motor × 2			
		Output	W	600 x 2	600 x 2	600 x 2	600 x 2
Sound pressure level	Cooling		dB(A)	62	63	64	64
	Heating			64	64	64	64
Heat exchanger	Length		mm	2,060 + 1,750	2,060 + 1,750	2,060×2	2,060×2
	Fin pitch			1.45	1.45	1.45	1.45
	Rows x Stages			(3 x 60) x 2			
	Face area		m^2	2.6 + 2.2	2.6 + 2.2	2.6×2	2.6×2
	Pipe type (Material)			Grooved H-pin (Copper)			
	Fin	Type (Material)		Corrugate (Aluminium)			
		Surface treatment		Corrosion resistance (Blue fin)			
Compressor	Type x Quantity			Rotary(inv) x 2 Scroll x 2	Rotary(inv) x 2 Scroll x 2	Rotary(inv) x 2 Scroll x 2	Rotary(inv) x 2 Scroll x 2
	Motor output		kW	3.9×2 + 4.5×2	3.9×2 + 4.5×2	3.9×2 + 4.5×2	3.9×2 + 4.5×2
	Crankcase heater		W	25×2 + 35×2	25×2 + 35×2	25×2 + 35×2	25×2 + 35×2
Refrigerant	Type			R410A			
	Charge		kg	11.8×2	11.8×2	11.8×2	11.8×2
Refrigerant oil	Type			PVE			
Enclosure	Material			Painted galvanized steel			
	Colour			Beige (10YR 7.5/1.0NN)			
Dimensions (H x W x D)	Net		mm	1,690×1,240×765 1,690×930×765	1,690×1,240×765 1,690×930×765	(1,690×1,240×765) ×2	(1,690×1,240×765) ×2
	Gross			1,811×1,312×928 1,811×1,002×928	1,811×1,312×928 1,811×1,002×928	(1,811×1,312×928) ×2	(1,811×1,312×928) ×2
Weight	Net		kg	296+275	296+275	296+296	296+296
	Gross			326+303	326+303	326+326	326+326
Connection pipe	Pipe diameter	Liquid	mm	15.88	15.88	19.05	19.05
		Gas		34.92	34.92	34.92	34.92
	Method	Liquid		Brazing			
		Gas		Brazing			
	Max. length		m	150			
	Max. height difference			50 / 40 (Outdoor unit : Upper / Lower)			
Operation temperature range	Cooling		°CDB	-5 to 46			
	Heating			-20 to 21			
Defrost method				Reversed cycle			
Connectable indoor units			Number	39	42	45	48

Note : Specifications are based on the following conditions.

Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.

Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.

Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m.

OUTDOOR UNITS

Nominal system capacity			HP	34	36	38	40
Set model name				AJ∗306LALH	AJ∗324LALH	AJ∗342LALH	AJ∗360LALH
Model name (combination)				AJ∗108LALH AJ∗108LALH AJ∗A90LALH	AJ∗108LALH AJ∗108LALH AJ∗108LALH	AJ∗126LALH AJ∗108LALH AJ∗108LALH	AJ∗144LALH AJ∗108LALH AJ∗108LALH
Power source				3N ~ 400 V, 50Hz			
Available voltage range				342 to 456 V			
Capacity	Cooling		kW	95.0	100.5	107.0	112.0
	Heating			106.5	112.5	120.0	125.0
Input power	Cooling		kW	26.97	28.86	30.77	33.41
	Heating			26.39	27.84	30.01	31.16
EER	Cooling		W / W	3.52	3.48	3.48	3.35
COP	Heating			4.04	4.04	4.00	4.01
Fan	Type x Quantity			Propeller fan x 3			
	Airflow rate	High	m^3 / h	11,100×3	11,100×3	13,000 + 11,100×2	13,000 + 11,100×2
	External static pressure (Max)		Pa	80	80	80	80
	Motor	Type x Quantity		DC motor × 3			
		Output	W	600 x 3	600 x 3	600 x 3	600 x 3
Sound pressure level	Cooling		dB(A)	63	63	64	64
	Heating			64	65	65	65
Heat exchanger	Length		mm	1,750×3	1,750×3	2,060 + 1,750×2	2,060 + 1,750×2
	Fin pitch			1.45	1.45	1.45	1.45
	Rows x Stages			(3 x 60) x 3			
	Face area		m^2	2.2×3	2.2×3	2.6 + 2.2×2	2.6 + 2.2×2
	Pipe type (Material)			Grooved H-pin (Copper)			
	Fin	Type (Material)		Corrugate (Aluminium)			
		Surface treatment		Corrosion resistance (Blue fin)			
Compressor	Type x Quantity			Rotary(inv) x 3 Scroll x 2	Rotary(inv) x 3 Scroll x 3	Rotary(inv) x 3 Scroll x 3	Rotary(inv) x 3 Scroll x 3
	Motor output		kW	3.9×3 + 4.5×2	3.9×3 + 4.5×3	3.9×3 + 4.5×3	3.9×3 + 4.5×3
	Crankcase heater		W	25×3 + 35×2	25×3 + 35×3	25×3 + 35×3	25×3 + 35×3
Refrigerant	Type			R410A			
	Charge		kg	11.8×2 + 11.2	11.8×3	11.8×3	11.8×3
Refrigerant oil	Type			PVE			
Enclosure	Material			Painted galvanized steel			
	Colour			Beige (10YR 7.5/1.0NN)			
Dimensions (H x W x D)	Net		mm	(1,690×930×765)×3	(1,690×930×765)×3	(1,690×1,240×765) (1,690×930×765)×2	(1,690×1,240×765) (1,690×930×765)×2
	Gross			(1,811×1,002×928)×3	(1,811×1,002×928)×3	(1,811×1,312×928) (1,811×1,002×928)×2	(1,811×1,312×928) (1,811×1,002×928)×2
Weight	Net		kg	275+275+220	275+275+275	296+275+275	296+275+275
	Gross			303+303+248	303+303+303	326+303+303	326+303+303
Connection pipe	Pipe diameter	Liquid	mm	19.05	19.05	19.05	19.05
		Gas		34.92	41.27	41.27	41.27
	Method	Liquid		Brazing			
		Gas		Brazing			
	Max. length		m	150			
	Max. height difference			50 / 40 (Outdoor unit : Upper / Lower)			
Operation temperature range	Cooling		°CDB	-5 to 46			
	Heating			-20 to 21			
Defrost method				Reversed cycle			
Connectable indoor units			Number	48	48	48	48

Note : Specifications are based on the following conditions.

Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.

Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.

Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m.

OUTDOOR UNITS

Nominal system capacity			HP	42	44	46	48
Set model name				AJ∗378LALH	AJ∗396LALH	AJ∗414LALH	AJ∗432LALH
Model name (combination)				AJ∗144LALH AJ∗126LALH AJ∗108LALH	AJ∗144LALH AJ∗144LALH AJ∗108LALH	AJ∗144LALH AJ∗144LALH AJ∗126LALH	AJ∗144LALH AJ∗144LALH AJ∗144LALH
Power source				3N ~ 400 V, 50Hz			
Available voltage range				342 to 456 V			
Capacity	Cooling		kW	118.5	123.5	130.0	135.0
	Heating			132.5	137.5	145.0	150.0
Input power	Cooling		kW	35.32	37.96	39.87	42.51
	Heating			33.33	34.48	36.65	37.80
EER	Cooling		W / W	3.36	3.25	3.26	3.18
COP	Heating			3.98	3.99	3.96	3.97
Fan	Type x Quantity			Propeller fan x 3			
	Airflow rate	High	m^3 / h	13,000×2 + 11,100	13,000×2 + 11,100	13,000×3	13,000×3
	External static pressure (Max)		Pa	80	80	80	80
	Motor	Type x Quantity		DC motor × 3			
		Output	W	600 x 3	600 x 3	600 x 3	600 x 3
Sound pressure level	Cooling		dB(A)	65	65	65	66
	Heating			65	65	66	66
Heat exchanger	Length		mm	2,060×2 + 1,750	2,060×2 + 1,750	2,060×3	2,060×3
	Fin pitch			1.45	1.45	1.45	1.45
	Rows x Stages			(3 x 60) x 3			
	Face area		m^2	2.6×2 + 2.2	2.6×2 + 2.2	2.6×3	2.6×3
	Pipe type (Material)			Grooved H-pin (Copper)			
	Fin	Type (Material)		Corrugate (Aluminium)			
		Surface treatment		Corrosion resistance (Blue fin)			
Compressor	Type x Quantity			Rotary(inv) x 3 Scroll x 3	Rotary(inv) x 3 Scroll x 3	Rotary(inv) x 3 Scroll x 3	Rotary(inv) x 3 Scroll x 3
	Motor output		kW	3.9×3 + 4.5×3	3.9×3 + 4.5×3	3.9×3 + 4.5×3	3.9×3 + 4.5×3
	Crankcase heater		W	25×3 + 35×3	25×3 + 35×3	25×3 + 35×3	25×3 + 35×3
Refrigerant	Type			R410A			
	Charge		kg	11.8×3	11.8×3	11.8×3	11.8×3
Refrigerant oil	Type			PVE			
Enclosure	Material			Painted galvanized steel			
	Colour			Beige (10YR 7.5/1.0NN)			
Dimensions (H x W x D)	Net		mm	(1,690×1,240×765)×2 (1,690×930×765)	(1,690×1,240×765)×2 (1,690×930×765)	(1,690×1,240×765)×3	(1,690×1,240×765)×3
	Gross			(1,811×1,312×928)×2 (1,811×1,002×928)	(1,811×1,312×928)×2 (1,811×1,002×928)	(1,811×1,312×928)×3	(1,811×1,312×928)×3
Weight	Net		kg	296+296+275	296+296+275	296+296+296	296+296+296
	Gross			326+326+303	326+326+303	326+326+326	326+326+326
Connection pipe	Pipe diameter	Liquid	mm	19.05	19.05	19.05	19.05
		Gas		41.27	41.27	41.27	41.27
	Method	Liquid		Brazing			
		Gas		Brazing			
	Max. length		m	150			
	Max. height difference			50 / 40 (Outdoor unit : Upper / Lower)			
Operation temperature range	Cooling		°CDB	-5 to 46			
	Heating			-20 to 21			
Defrost method				Reversed cycle			
Connectable indoor units			Number	48	48	48	48

Note : Specifications are based on the following conditions.

Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.

Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.

Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m.

3-1-2. ENERGY EFFICIENCY COMBINATION

Nominal system capacity				HP	16	22
Set model name					AJ∗144LALHH	AJ∗198LALHH
Model name (combination)					AJ∗A72LALH AJ∗A72LALH	AJ∗126LALH AJ∗A72LALH
Power source					3N ~ 400 V, 50Hz	
Available voltage range					342 to 456V	
Capacity	Cooling			kW	44.8	62.4
	Heating				50.0	70.0
Input power	Cooling			kW	11.02	17.04
	Heating				11.44	17.17
EER	Cooling			W / W	4.07	3.66
COP	Heating				4.37	4.08
Fan	Type x Quantity				Propeller fan x 2	
	Airflow rate	High		m^3 / h	11,100 × 2	13,000 + 11,100
	External static pressure (Max)			Pa	80	80
	Motor	Type x Quantity			DC motor × 2	
		Output		W	600 x 2	600 x 2
Sound pressure level	Cooling			dB(A)	59	61
	Heating				59	62
Heat exchanger	Length			mm	1,750×2	2,060 + 1,750
	Fin pitch				1.45	1.45
	Rows x Stages				(3 x 60) x 2	
	Face area			m^2	2.2×2	2.6 + 2.2
	Pipe type (Material)				Grooved H-pin (Copper)	
	Fin	Type (Material)			Corrugate (Aluminium)	
		Surface treatment			Corrosion resistance (Blue fin)	
Compressor	Type x Quantity				Rotary(inv) x 2	Rotary(inv) x 2 Scroll x 1
	Motor output			kW	3.9×2	3.9×2 + 4.5
	Crankcase heater			W	25×2	25×2 + 35
Refrigerant	Type				R410A	
	Charge			kg	11.2×2	11.8 + 11.2
Refrigerant oil	Type				PVE	
Enclosure	Material				Painted galvanized steel	
	Colour				Beige (10YR 7.5/1.0NN)	
Dimensions (H x W x D)	Net			mm	(1,690×930×765)×2	(1,690×1,240×765) (1,690×930×765)
	Gross				(1,811×1,002×928)×2	(1,811×1,312×928) (1,811×1,002×928)
Weight	Net			kg	220+220	296+220
	Gross				248+248	326+248
Connection pipe	Pipe diameter	Liquid		mm	12.70	15.88
		Gas			28.58	34.92
	Method	Liquid			Brazing	
		Gas			Brazing	
	Max. length			m	150	
	Max. height difference				50 / 40 (Outdoor unit : Upper / Lower)	
Operation temperature range	Cooling			°CDB	-5 to 46	
	Heating				-20 to 21	
Defrost method					Reversed cycle	
Connectable indoor units				Number	30	33

Note : Specifications are based on the following conditions.
Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.
Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m.

OUTDOOR UNITS

OUTDOOR UNITS

Nominal system capacity			HP	24	26	28	30
Set model name				AJ∗216LALHH	AJ∗234LALHH	AJ∗252LALHH	AJ∗270LALHH
Model name (combination)				AJ∗A72LALH AJ∗A72LALH AJ∗A72LALH	AJ∗A90LALH AJ∗A72LALH AJ∗A72LALH	AJ∗108LALH AJ∗A72LALH AJ∗A72LALH	AJ∗126LALH AJ∗A72LALH AJ∗A72LALH
Power source				3N ~ 400 V, 50Hz			
Available voltage range				342 to 456 V			
Capacity	Cooling		kW	67.2	72.8	78.3	84.8
	Heating			75.0	81.5	87.5	95.0
Input power	Cooling		kW	16.53	18.75	20.64	22.55
	Heating			17.16	19.27	20.72	22.89
EER	Cooling		W / W	4.07	3.88	3.79	3.76
COP	Heating			4.37	4.23	4.22	4.15
Fan	Type x Quantity			Propeller fan x 3			
	Airflow rate	High	m^3 / h	11,100 × 3	11,100 × 3	11,100 × 3	13,000 + 11,100×2
	External static pressure (Max)		Pa	80	80	80	80
	Motor	Type x Quantity		DC motor × 3			
		Output	W	600 x 3	600 x 3	600 x 3	600 x 3
Sound pressure level	Cooling		dB(A)	61	62	62	63
	Heating			61	62	63	63
Heat exchanger	Length		mm	1,750×3	1,750×3	1,750×3	2,060 + 1,750×2
	Fin pitch			1.45	1.45	1.45	1.45
	Rows x Stages			(3 x 60) x 2			
	Face area		m^2	2.2×3	2.2×3	2.2×3	2.6 + 2.2×2
	Pipe type (Material)			Grooved H-pin (Copper)			
	Fin	Type (Material)		Corrugate (Aluminium)			
		Surface treatment		Corrosion resistance (Blue fin)			
Compressor	Type x Quantity			Rotary(inv) x 3	Rotary(inv) x 3	Rotary(inv) x 3 Scroll x 1	Rotary(inv) x 3 Scroll x 1
	Motor output		kW	3.9×3	3.9×3	3.9×3 + 4.5	3.9×3 + 4.5
	Crankcase heater		W	25×3	25×3	25×3 + 35	25×3 + 35
Refrigerant	Type			R410A			
	Charge		kg	11.2×3	11.2×3	11.8 + 11.2×2	11.8 + 11.2×2
Refrigerant oil	Type			PVE			
Enclosure	Material			Painted galvanized steel			
	Colour			Beige (10YR 7.5/1.0NN)			
Dimensions (H x W x D)	Net		mm	(1,690×930×765)×3	(1,690×930×765)×3	(1,690×930×765)×3	(1,690×1,240×765) (1,690×930×765)×2
	Gross			(1,811×1,002×928)×3	(1,811×1,002×928)×3	(1,811×1,002×928)×3	(1,811×1,312×928) (1,811×1,002×928)×2
Weight	Net		kg	220+220+220	220+220+220	275+220+220	296+220+220
	Gross			248+248+248	248+248+248	303+248+248	326+248+248
Connection pipe	Pipe diameter	Liquid	mm	15.88	15.88	15.88	19.05
		Gas		34.92	34.92	34.92	34.92
	Method	Liquid		Brazing			
		Gas		Brazing			
	Max. length		m	150			
	Max. height difference			50 / 40 (Outdoor unit : Upper / Lower)			
Operation temperature range	Cooling		°CDB	-5 to 46			
	Heating			-20 to 21			
Defrost method				Reversed cycle			
Connectable indoor units			Number	36	39	42	45

Note : Specifications are based on the following conditions.

Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.

Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.

Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m.

OUTDOOR UNITS

Nominal system capacity			HP	32	34	36
Set model name				AJ∗288LALHH	AJ∗306LALHH	AJ∗324LALHH
Model name (combination)				AJ∗108LALH AJ∗108LALH AJ∗A72LALH	AJ∗126LALH AJ∗108LALH AJ∗A72LALH	AJ∗126LALH AJ∗126LALH AJ∗A72LALH
Power source				3N ~ 400 V, 50Hz		
Available voltage range				342 to 456 V		
Capacity	Cooling		kW	89.4	95.9	102.4
	Heating			100.0	107.5	115.0
Input power	Cooling		kW	24.75	26.66	28.57
	Heating			24.28	26.45	28.62
EER	Cooling		W / W	3.61	3.60	3.58
COP	Heating			4.12	4.06	4.02
Fan	Type x Quantity			Propeller fan x 3		
	Airflow rate	High	m^3 / h	11,100x3	13,000 + 11,100x2	13,000×2 + 11,100
	External static pressure (Max)		Pa	80	80	80
	Motor	Type x Quantity		DC motor × 3		
		Output	W	600 x 3	600 x 3	600 x 3
Sound pressure level	Cooling		dB(A)	62	63	64
	Heating			64	64	65
Heat exchanger	Length		mm	1,750×3	2,060 + 1,750×2	2,060×2 + 1,750
	Fin pitch			1.45	1.45	1.45
	Rows x Stages			(3 x 60) x 3		
	Face area		m^2	2.2×3	2.6 + 2.2×2	2.6×2 + 2.2
	Pipe type (Material)			Grooved H-pin (Copper)		
	Fin	Type (Material)		Corrugate (Aluminium)		
		Surface treatment		Corrosion resistance (Blue fin)		
Compressor	Type x Quantity			Rotary(inv) x 3 Scroll x 2	Rotary(inv) x 3 Scroll x 2	Rotary(inv) x 3 Scroll x 2
	Motor output		kW	3.9×3 + 4.5x2	3.9×3 + 4.5×2	3.9×3 + 4.5×2
	Crankcase heater		W	25×3 + 35x2	25×3 + 35×2	25×3 + 35×2
Refrigerant	Type			R410A		
	Charge		kg	11.8x2 + 11.2	11.8×2 + 11.2	11.8×2 + 11.2
Refrigerant oil	Type			PVE		
Enclosure	Material			Painted galvanized steel		
	Colour			Beige (10YR 7.5/1.0NN)		
Dimensions (H x W x D)	Net		mm	(1,690×930×765)×3	(1,690×1,240×765) (1,690×930×765)×2	(1,690×1,240×765)×2 (1,690×930×765)
	Gross			(1,811×1,002×928)×3	(1,811×1,312×928) (1,811×1,002×928)×2	(1,811×1,312×928)×2 (1,811×1,002×928)
Weight	Net		kg	275+275+220	296+275+220	296+296+220
	Gross			303+303+248	326+303+248	326+326+248
Connection pipe	Pipe diameter	Liquid	mm	19.05	19.05	19.05
		Gas		34.92	34.92	41.27
	Method	Liquid		Brazing		
		Gas		Brazing		
	Max. length		m	150		
	Max. height difference			50 / 40 (Outdoor unit : Upper / Lower)		
Operation temperature range	Cooling		°CDB	-5 to 46		
	Heating			-20 to 21		
Defrost method				Reversed cycle		
Connectable indoor units			Number	48	48	48

Note : Specifications are based on the following conditions.

Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.

Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.

Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m.

OUTDOOR UNITS

Nominal system capacity				HP	40	42	44
Set model name					AJ∗360LALHH	AJ∗378LALHH	AJ∗396LALHH
Model name (combination)					AJ∗126LALH AJ∗126LALH AJ∗108LALH	AJ∗126LALH AJ∗126LALH AJ∗126LALH	AJ∗144LALH AJ∗126LALH AJ∗126LALH
Power source					3N ~ 400 V, 50Hz		
Available voltage range					342 to 456V		
Capacity	Cooling			kW	113.5	120.0	125.0
	Heating				127.5	135.0	140.0
Input power	Cooling			kW	32.68	34.59	37.23
	Heating				32.18	34.35	35.50
EER	Cooling			W / W	3.47	3.47	3.36
COP	Heating				3.96	3.93	3.94
Fan	Type x Quantity				Propeller fan x 3		
	Airflow rate	High		m^3 / h	13,000×2 + 11,100	13,000 × 3	13,000 × 3
	External static pressure (Max)			Pa	80	80	80
	Motor	Type x Quantity			DC motor × 3		
		Output		W	600 x 3	600 x 3	600 x 3
Sound pressure level	Cooling			dB(A)	64	65	65
	Heating				65	66	66
Heat exchanger	Length			mm	2,060×2 + 1,750	2,060×3	2,060×3
	Fin pitch				1.45	1.45	1.45
	Rows x Stages				(3 x 60) x 3		
	Face area			m^2	2.6×2 + 2.2	2.6×3	2.6×3
	Pipe type (Material)				Grooved H-pin (Copper)		
	Fin	Type (Material)			Corrugate (Aluminium)		
		Surface treatment			Corrosion resistance (Blue fin)		
Compressor	Type x Quantity				Rotary(inv) x 3 Scroll x 3	Rotary(inv) x 3 Scroll x 3	Rotary(inv) x 3 Scroll x 3
	Motor output			kW	3.9×3 + 4.5×3	3.9×3 + 4.5×3	3.9×3 + 4.5×3
	Crankcase heater			W	25×3 + 35×3	25×3 + 35×3	25×3 + 35×3
Refrigerant	Type				R410A		
	Charge			kg	11.8×3	11.8×3	11.8×3
Refrigerant oil	Type				PVE		
Enclosure	Material				Painted galvanized steel		
	Colour				Beige (10YR 7.5/1.0NN)		
Dimensions (H x W x D)	Net			mm	(1,690×1,240×765)×2 (1,690×930×765)	(1,690×1,240×765)×3	(1,690×1,240×765)×3
	Gross				(1,811×1,312×928)×2 (1,811×1,002×928)	(1,811×1,312×928)×3	(1,811×1,312×928)×3
Weight	Net			kg	296+296+275	296+296+296	296+296+296
	Gross				326+326+303	326+326+326	326+326+326
Connection pipe	Pipe diameter	Liquid		mm	19.05	19.05	19.05
		Gas			41.27	41.27	41.27
	Method	Liquid			Brazing		
		Gas			Brazing		
	Max. length			m	150		
	Max. height difference				50 / 40 (Outdoor unit : Upper / Lower)		
Operation temperature range	Cooling			°CDB	-5 to 46		
	Heating				-20 to 21		
Defrost method					Reversed cycle		
Connectable indoor units				Number	48	48	48

Note : Specifications are based on the following conditions.

Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.

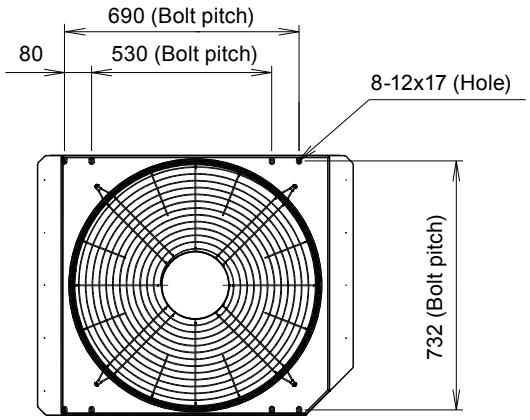
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.

Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m.

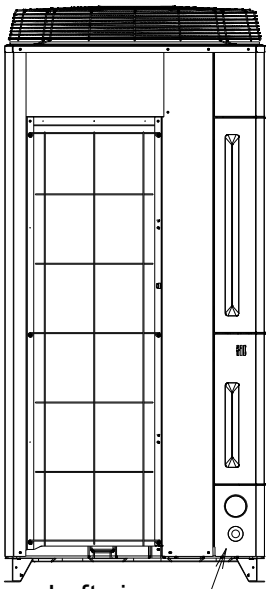
3-2. DIMENSIONS

3-2-1. SINGLE UNIT

■ MODELS : AJ∗A72LALH, AJ∗A90LALH, AJ∗108LALH (Unit : mm)

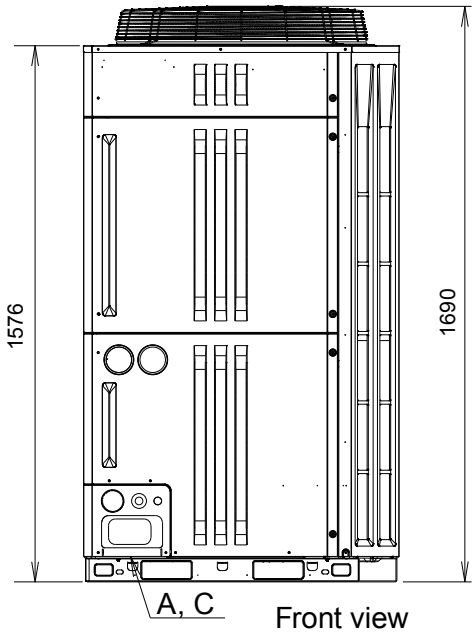


Top view



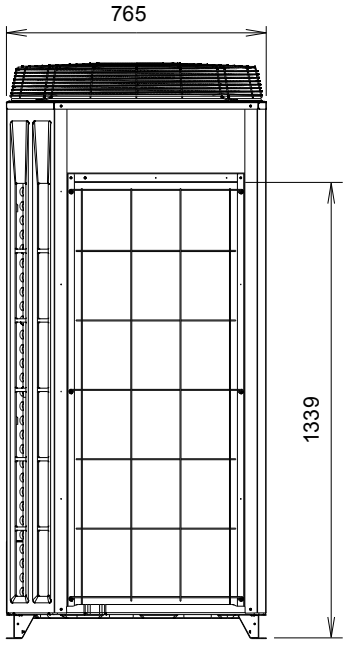
Left view

B

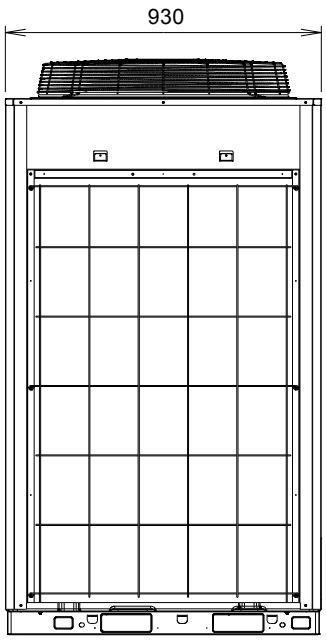


A, C

Front view



Right view

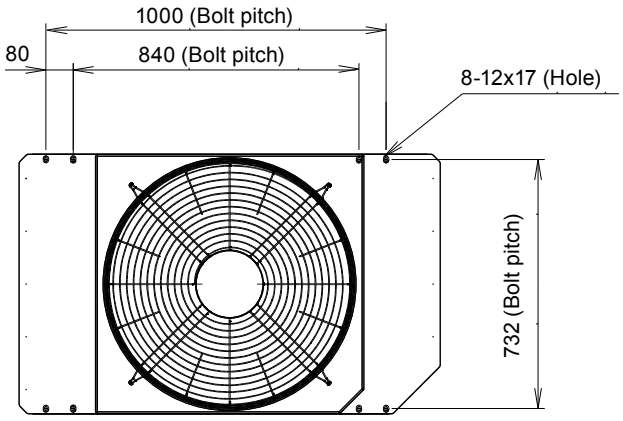


Rear view

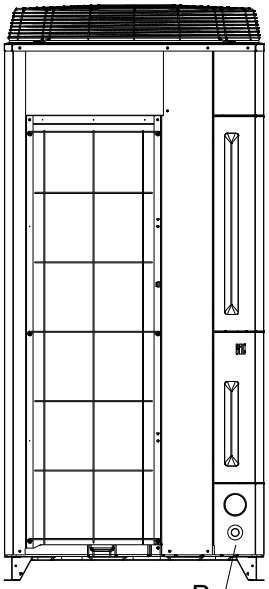
OUTDOOR UNITS

■ MODELS : AJ∗126LALH, AJ∗144LALH

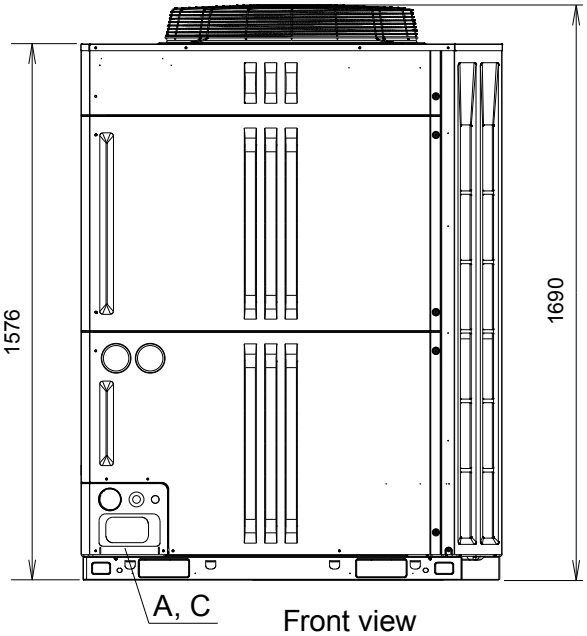
(Unit : mm)



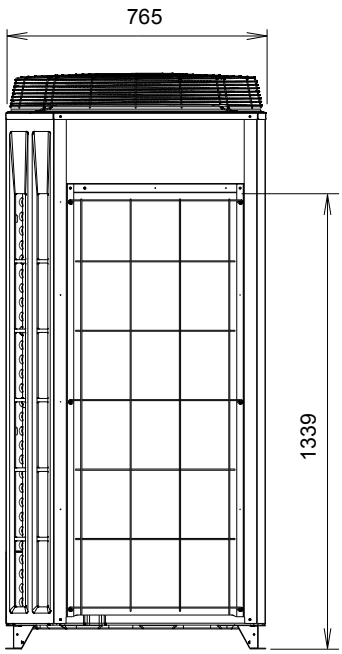
Top view



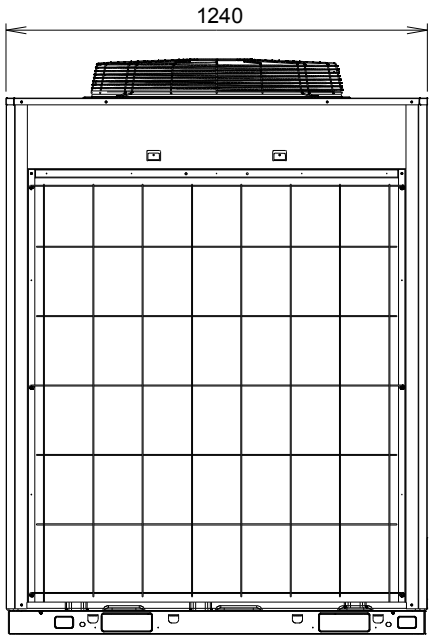
Left view



Front view



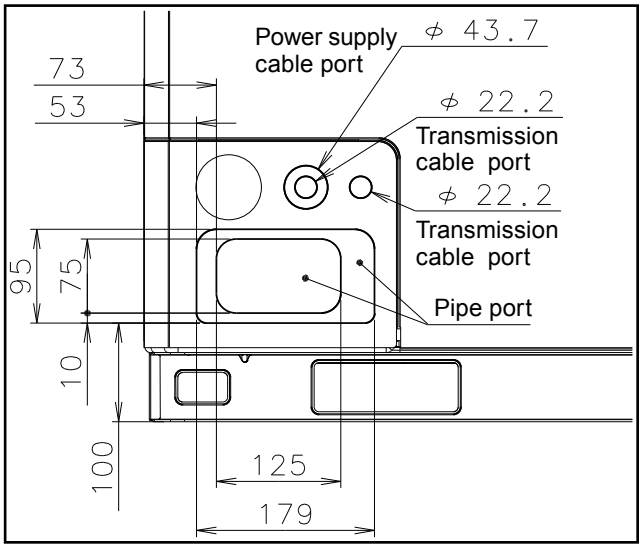
Right view



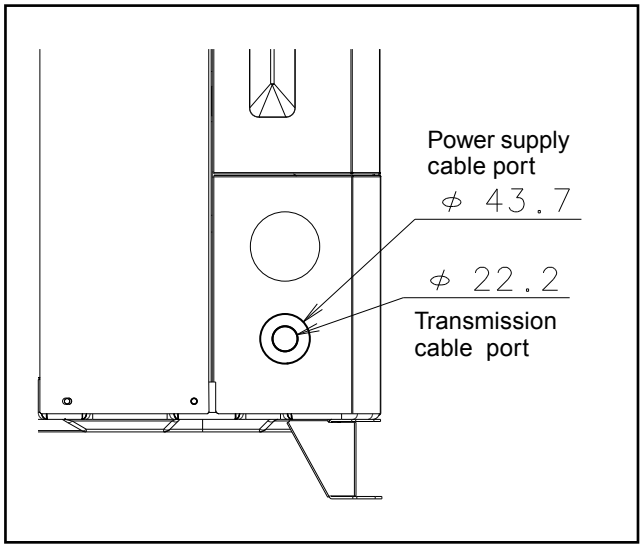
Rear view

■ KNOCKOUT HOLE POSITION

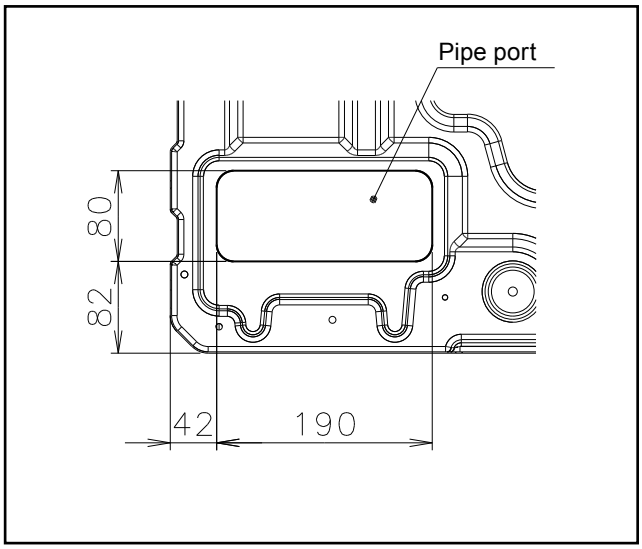
(Unit : mm)



Detail A : Front view



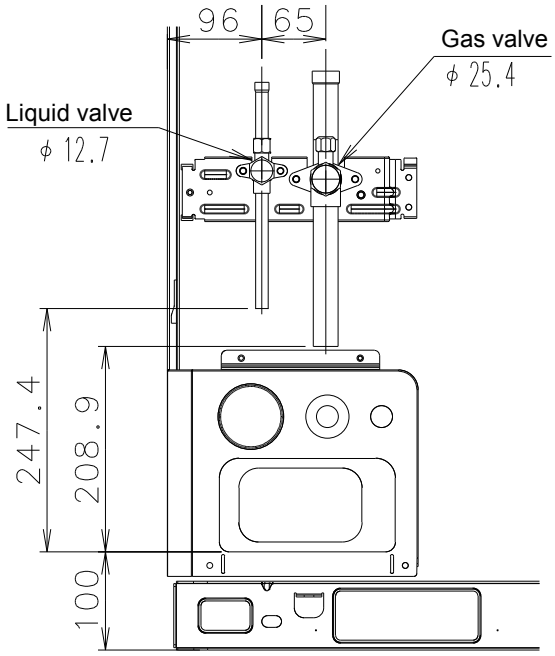
Detail B : Left view



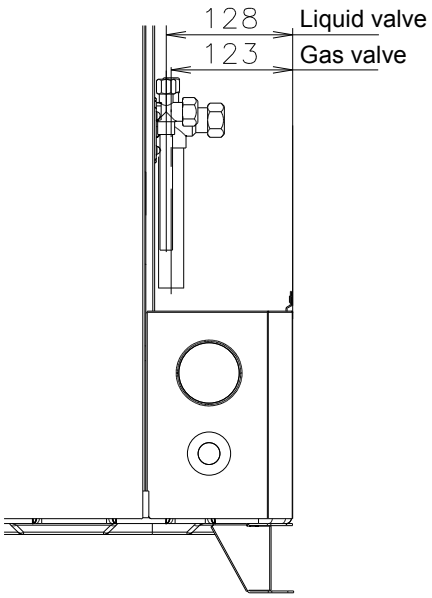
Detail C : Top view

■ VALVE POSITION

(Unit : mm)

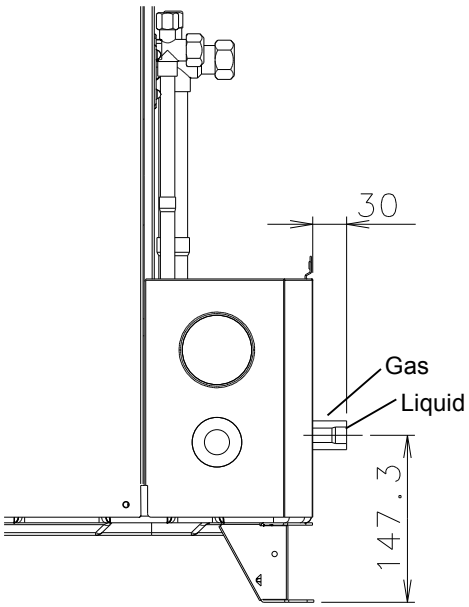


D : Front view

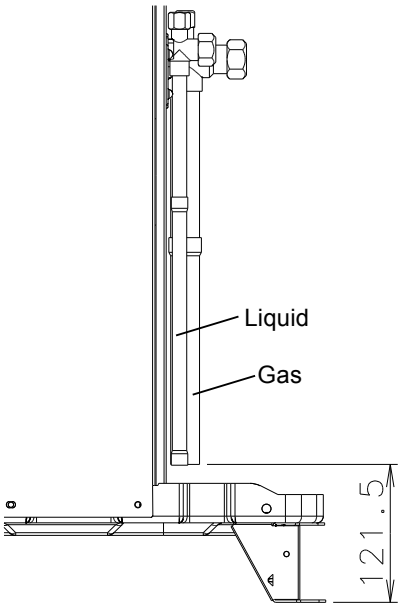


E : Left view

■ ACCESSORY PIPE



F : Left view
(Accessory pipe A setting)

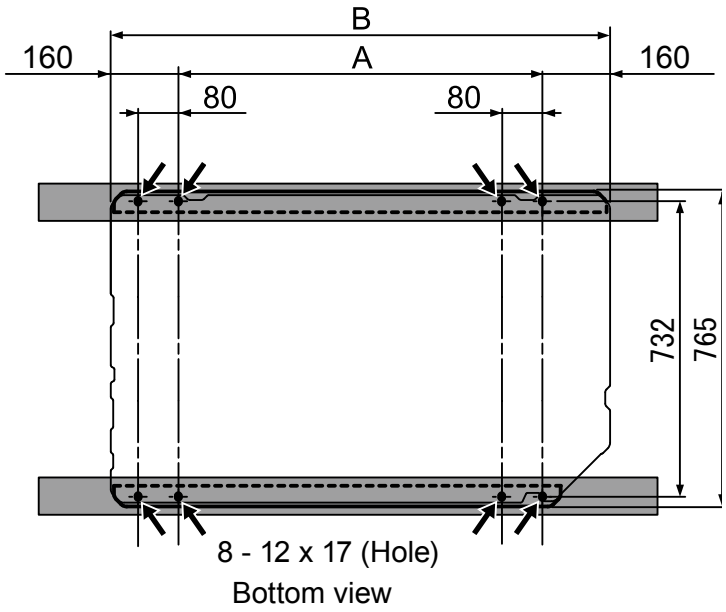


G : Left view
(Accessory pipe B setting)

OUTDOOR UNITS

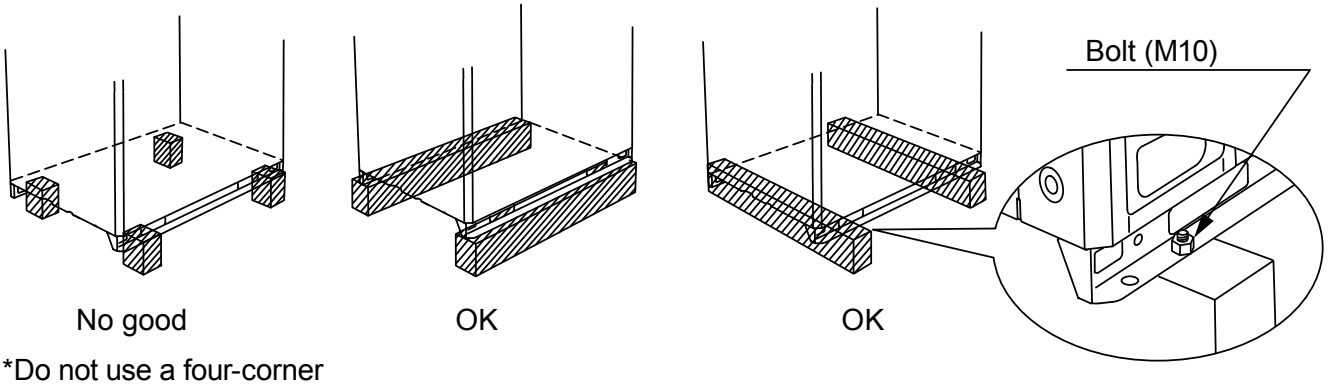
■ INSTALLATION (FOUNDATION)

(Unit : mm)



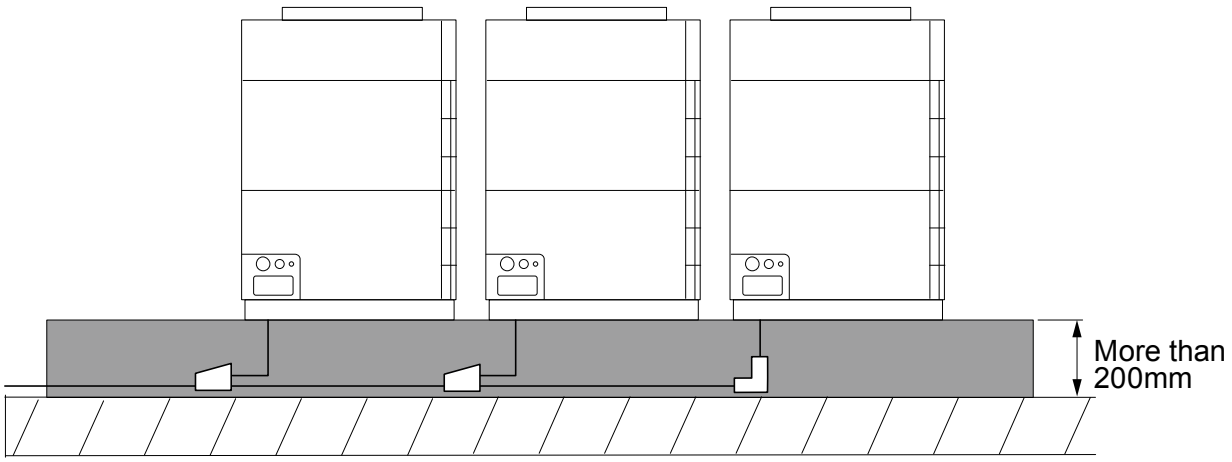
Model	A	B
AJ∗A72LALH	610	930
AJ∗A90LALH	610	930
AJ∗108LALH	610	930
AJ∗126LALH	920	1240
AJ∗144LALH	920	1240

Installation example



No good OK OK

*Do not use a four-corner support foundation.

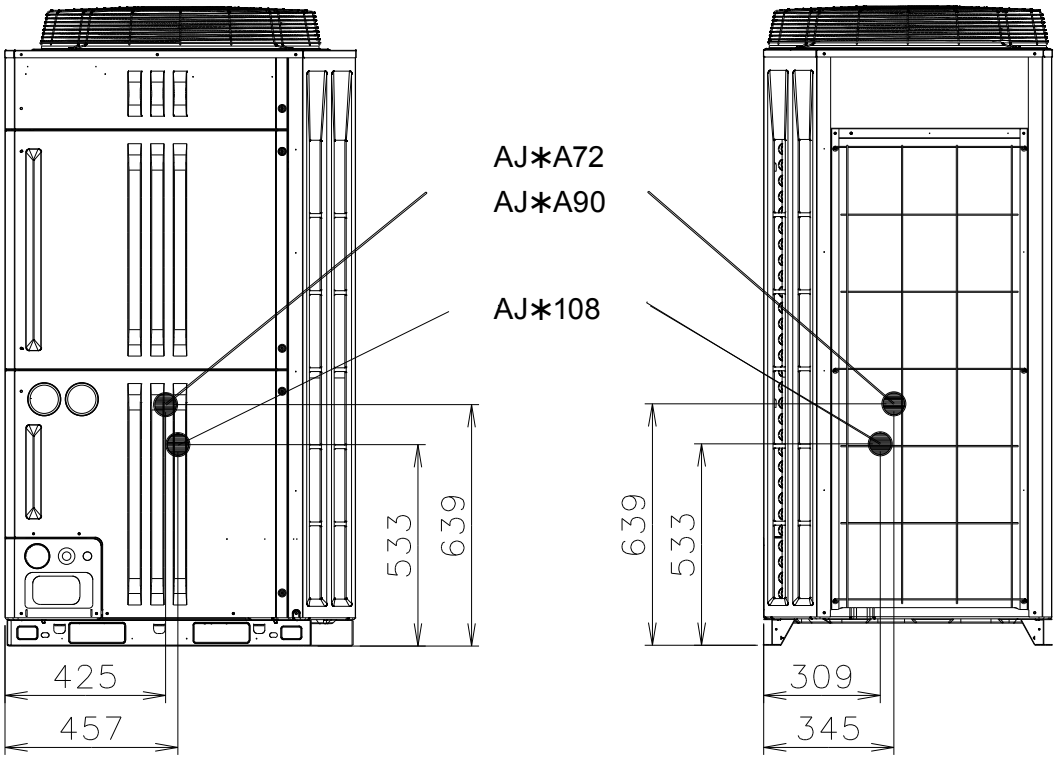


When installing pipe from the bottom of the outdoor units, the required space under the outdoor unit ≥ 200mm.

■ CENTER OF GRAVITY POSITION

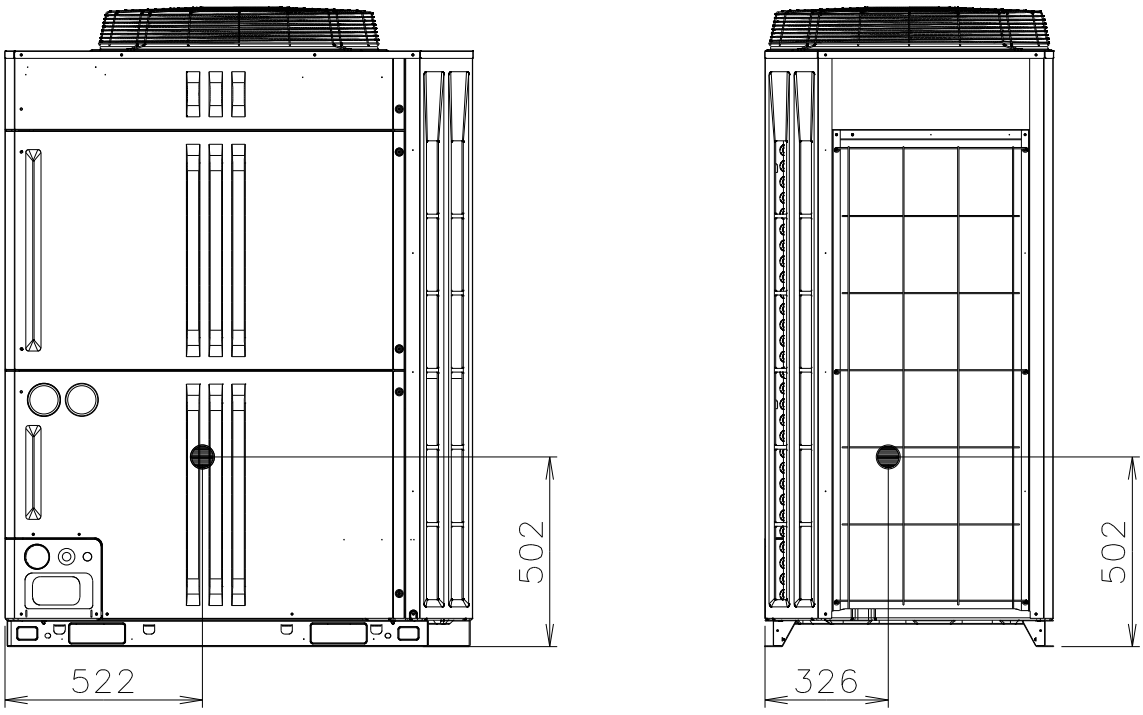
● Models : AJ∗A72LALH, AJ∗A90LALH, AJ∗108LALH

(Unit : mm)



● : Center of gravity

● Models : AJ∗126LALH, AJ∗144LALH



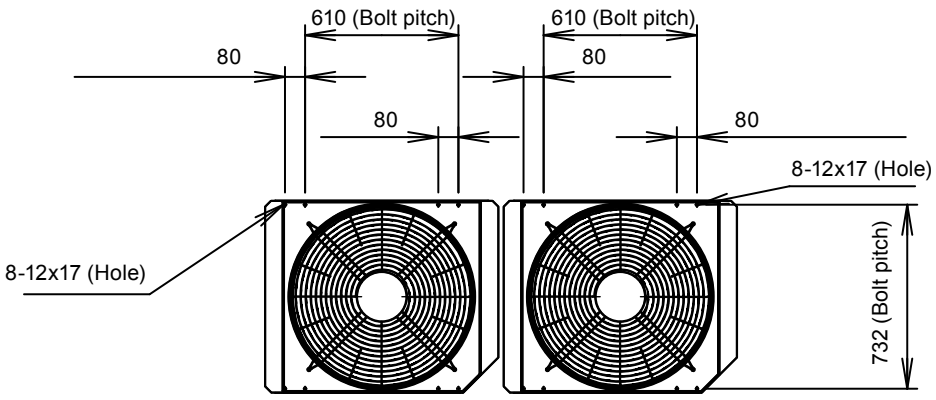
● : Center of gravity

3-2-2. COMBINATION

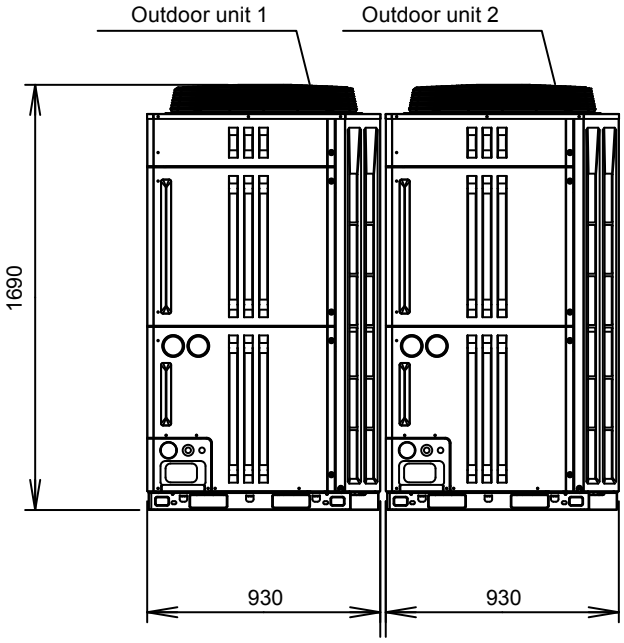
Combination	Set model name	Outdoor unit1	Outdoor unit2
Space Saving	AJ∗162LALH (18HP)	10HP	8HP
Space Saving	AJ∗180LALH (20HP)	12HP	8HP
Space Saving	AJ∗198LALH (22HP)	12HP	10HP
Space Saving	AJ∗216LALH (24HP)	12HP	12HP
Energy Efficiency	AJ∗144LALHH (16HP)	8HP	8HP

OUTDOOR UNITS

(Unit : mm)



Top view

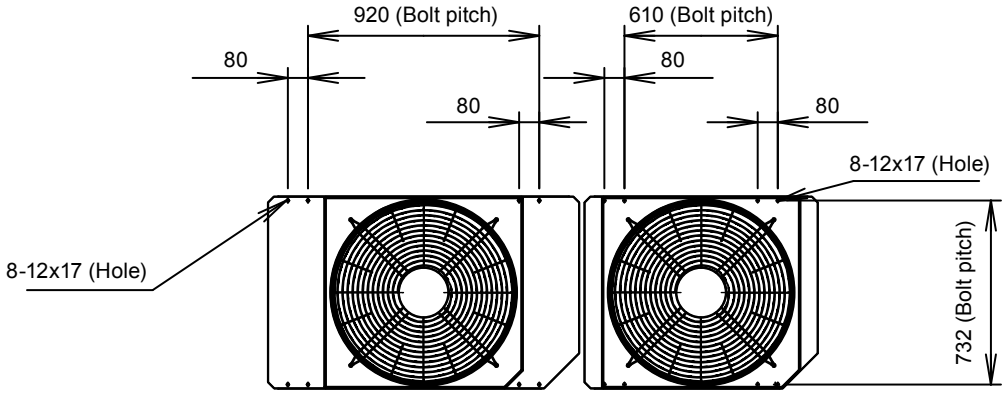


Front view

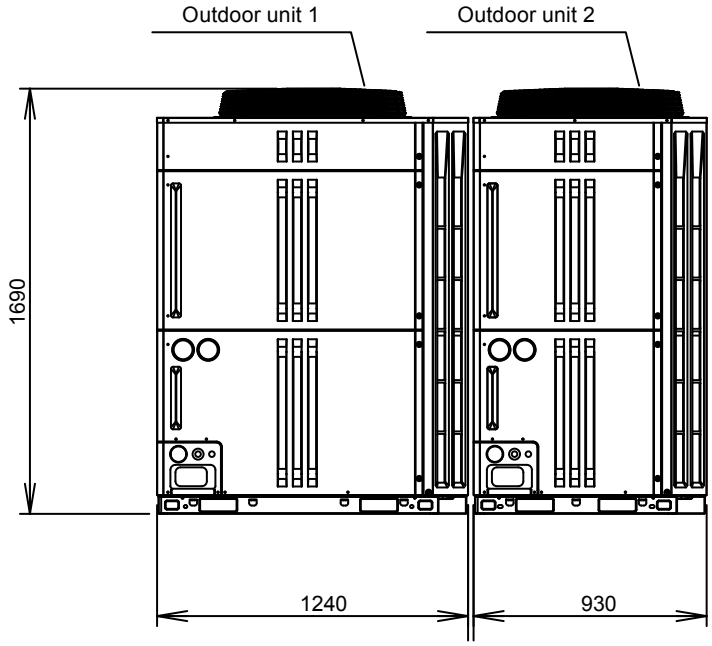
Combination	Set model name	Outdoor unit1	Outdoor unit2
Space Saving	AJ∗234LALH (26HP)	14HP	12HP
Space Saving	AJ∗252LALH (28HP)	16HP	12HP
Energy Efficiency	AJ∗198LALHH (22HP)	14HP	8HP

OUTDOOR UNITS

(Unit : mm)



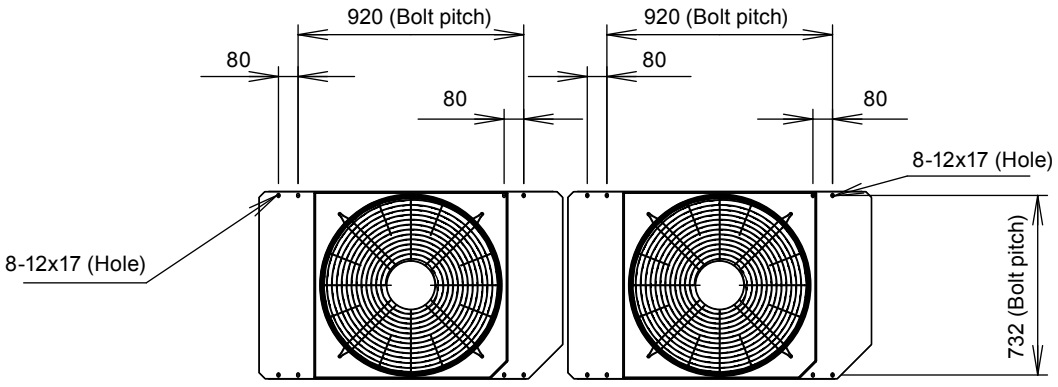
Top view



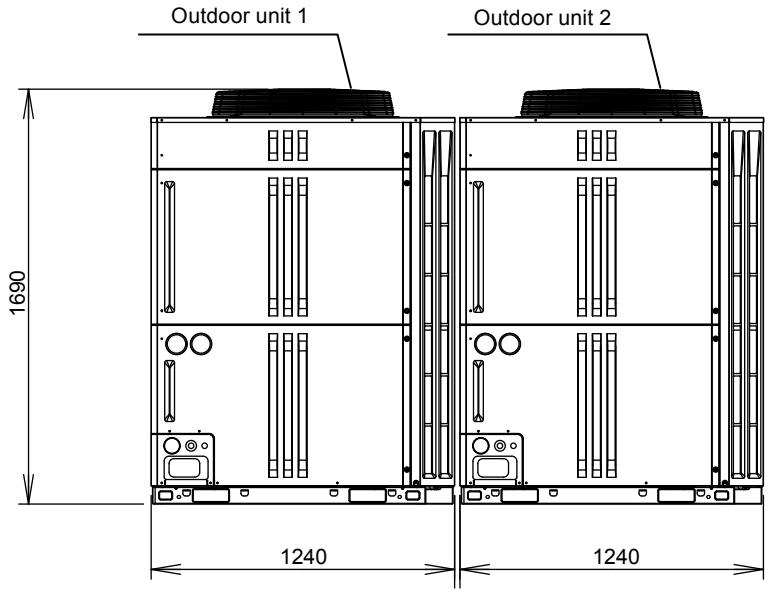
Front view

Combination	Set model name	Outdoor unit1	Outdoor unit2
Space Saving	AJ∗270LALH (30HP)	16HP	14HP
Space Saving	AJ∗288LALH (32HP)	16HP	16HP

(Unit : mm)



Top view

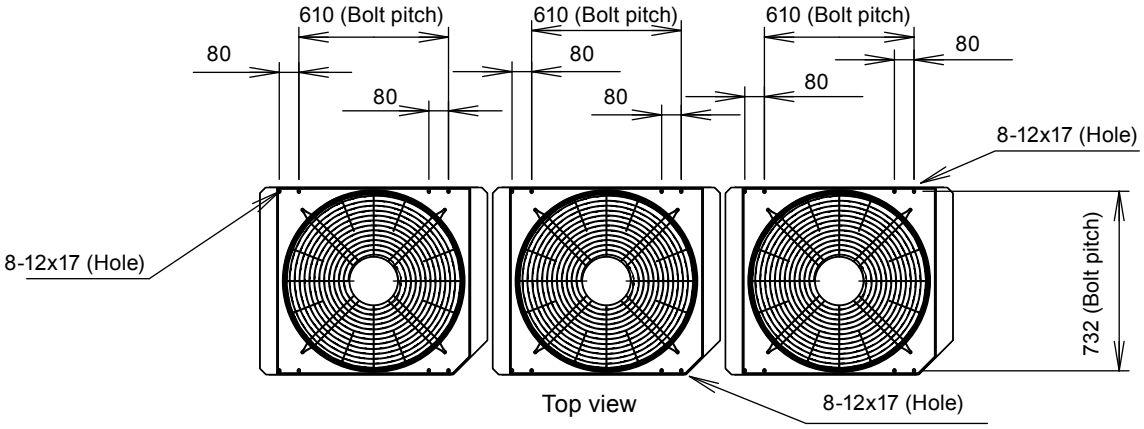


Front view

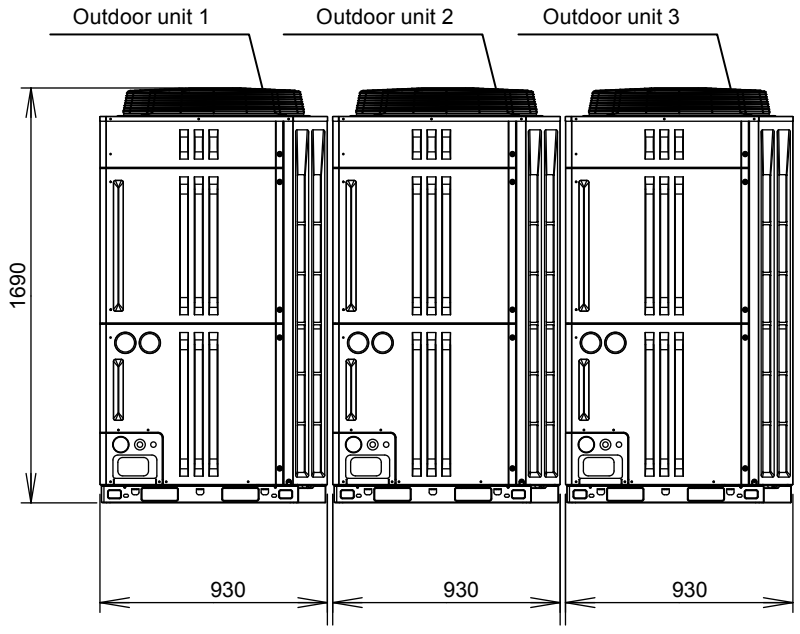
Combination	Set model name	Outdoor unit1	Outdoor unit2	Outdoor unit3
Space Saving	AJ∗306LALH (34HP)	12HP	12HP	10HP
Space Saving	AJ∗324LALH (36HP)	12HP	12HP	12HP
Energy Efficiency	AJ∗216LALHH (24HP)	8HP	8HP	8HP
Energy Efficiency	AJ∗234LALHH (26HP)	10HP	8HP	8HP
Energy Efficiency	AJ∗252LALHH (28HP)	12HP	8HP	8HP
Energy Efficiency	AJ∗288LALHH (32HP)	12HP	12HP	8HP

OUTDOOR UNITS

(Unit : mm)



Top view

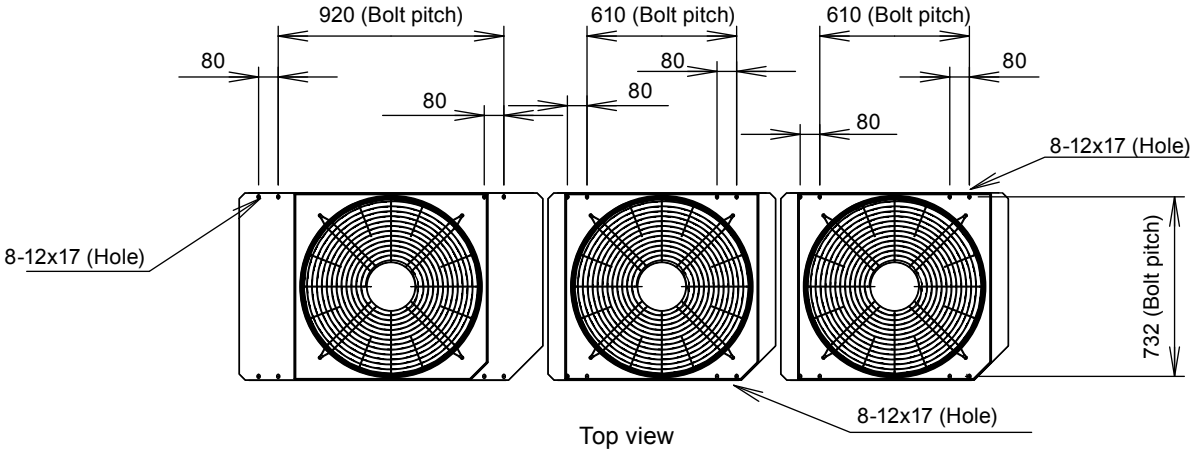


Front view

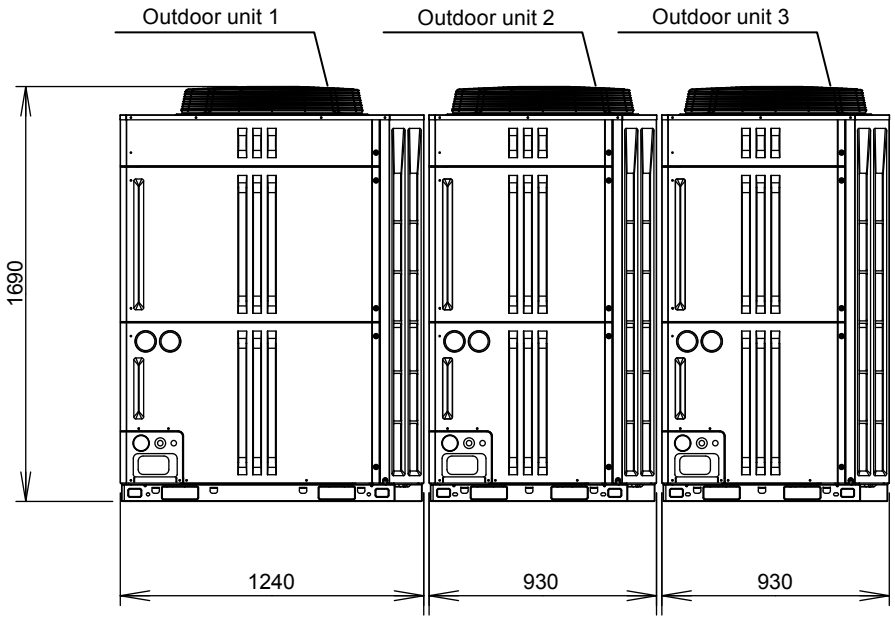
OUTDOOR UNITS

Combination	Set model name	Outdoor unit1	Outdoor unit2	Outdoor unit3
Space Saving	AJ∗342LALH (38HP)	14HP	12HP	12HP
Space Saving	AJ∗360LALH (40HP)	16HP	12HP	12HP
Energy Efficiency	AJ∗270LALHH (30HP)	14HP	8HP	8HP
Energy Efficiency	AJ∗306LALHH (34HP)	14HP	12HP	8HP

(Unit : mm)



Top view

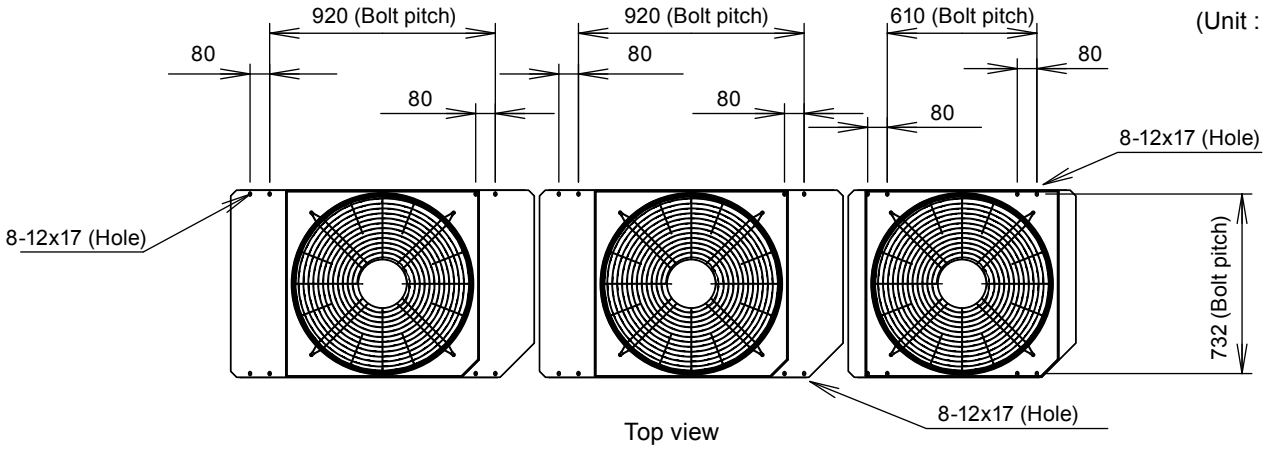


Front view

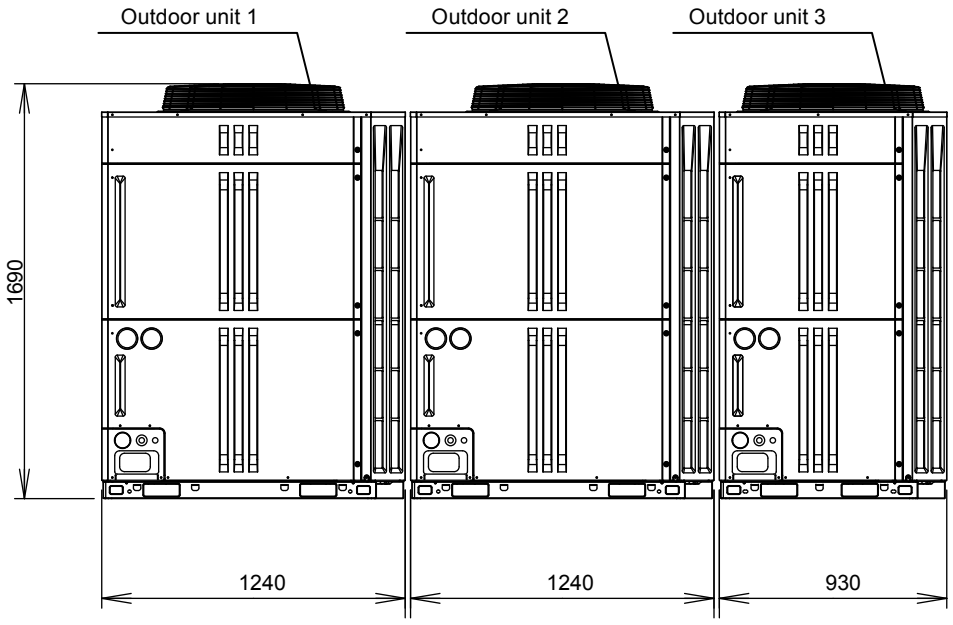
Combination	Set model name	Outdoor unit1	Outdoor unit2	Outdoor unit3
Space Saving	AJ∗378LALH (42HP)	16HP	14HP	12HP
Space Saving	AJ∗396LALH (44HP)	16HP	16HP	12HP
Energy Efficiency	AJ∗324LALHH (36HP)	14HP	14HP	8HP
Energy Efficiency	AJ∗360LALHH (40HP)	14HP	14HP	12HP

OUTDOOR UNITS

(Unit : mm)



Top view

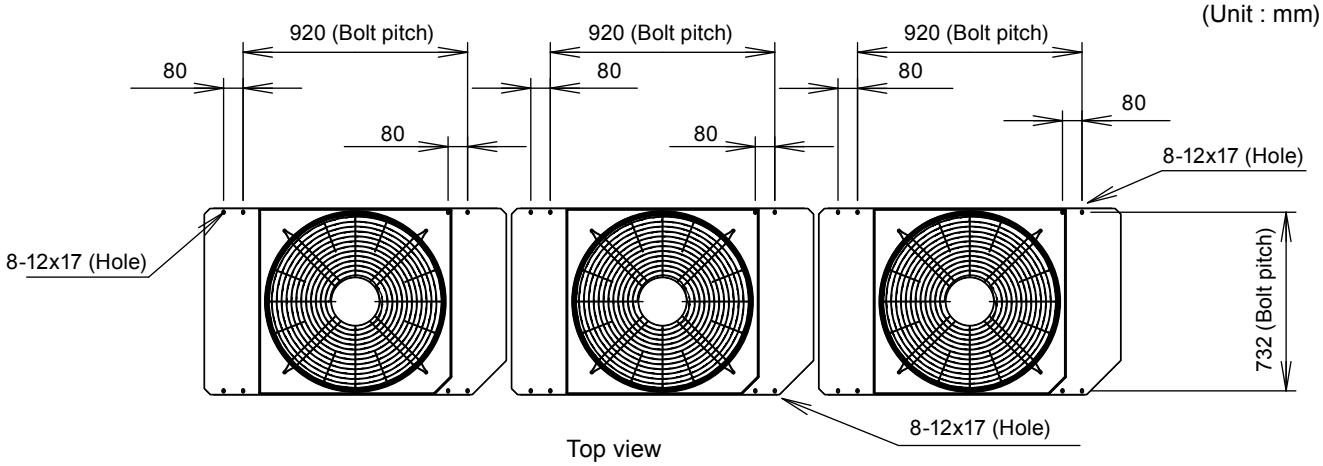


Front view

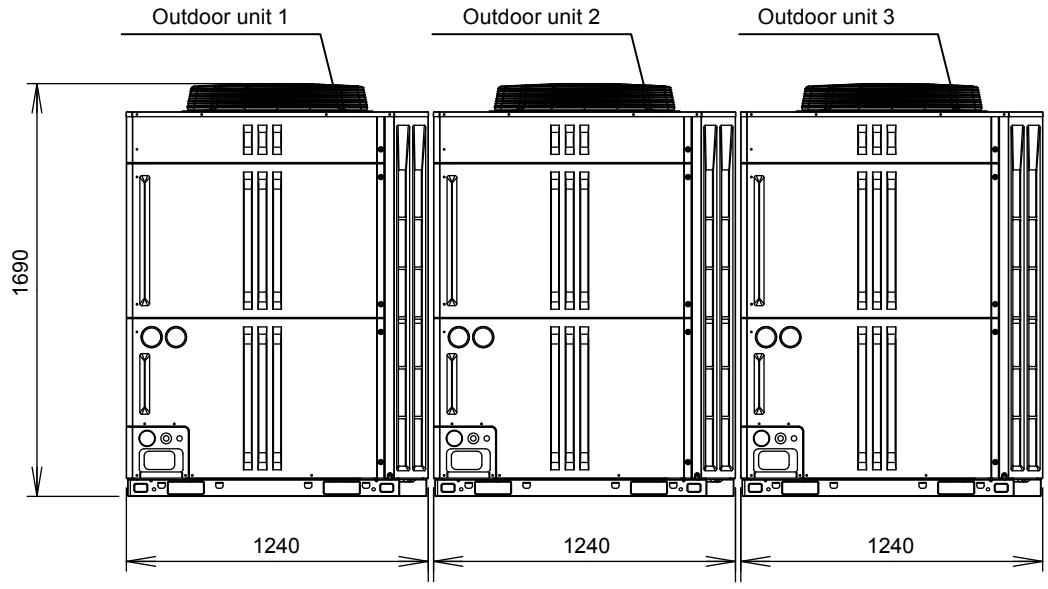
Combination	Set model name	Outdoor unit1	Outdoor unit2	Outdoor unit3
Space Saving	AJ∗414LALH (46HP)	16HP	16HP	14HP
Space Saving	AJ∗432LALH (48HP)	16HP	16HP	16HP
Energy Efficiency	AJ∗378LALHH (42HP)	14HP	14HP	14HP
Energy Efficiency	AJ∗396LALHH (44HP)	16HP	14HP	14HP

OUTDOOR UNITS

(Unit : mm)



Top view



Front view

3-3. INSTALLATION SPACE

⚠ Caution

When installing the outdoor unit, pay attention to the following items.

- To prevent stopping of operation by short circuit and worsening of performance and high pressure protection, refer to the installation space shown in the figure and secure enough space.
- Install in sufficient space considering the carrying in route, installation space, maintenance space, passage of people, etc.
- Do not place obstructions in the air flow outlet direction. If there is an obstruction in the outlet direction, install an outlet duct.
- When there is a wall in front of the unit, provide a space of 500mm or more as maintenance space.
- When there is a wall at the left side of the unit, provide a space of 30mm or more as maintenance space.
- When installing, also consider the refrigerant piping space.

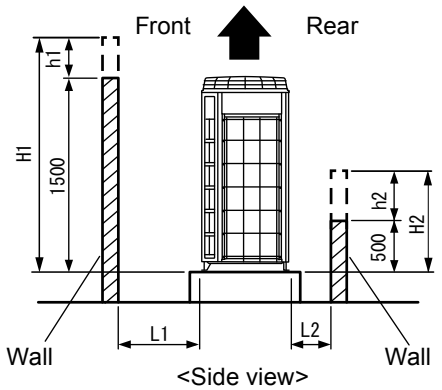
OUTDOOR UNITS

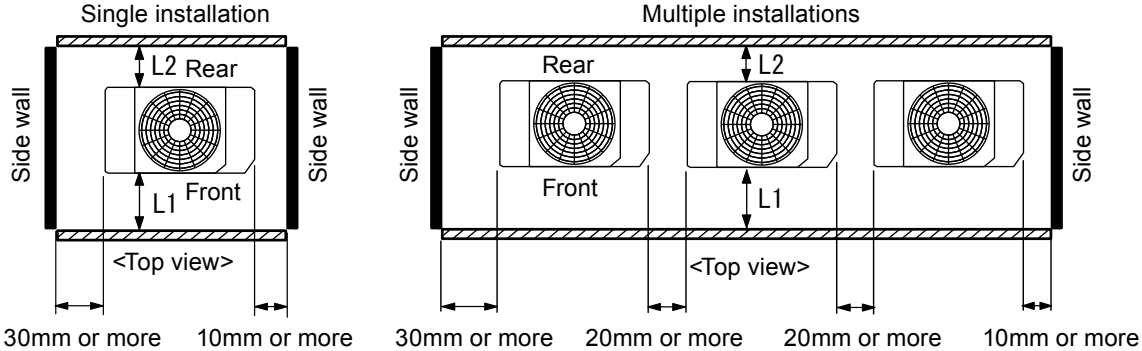
3-3-1. WHEN INSTALL NEAR BY LIMITED HEIGHT WALL

■ SINGLE AND MULTIPLE INSTALLATIONS

- There are no restrictions on the height of the side wall.
- Provide installation spaces L1 and L2 in accordance with the table below according to the wall height (front side, rear side) conditions.
- Provide installation spaces other than L1 and L2 in accordance with the conditions shown in the figure below.
- Ventilation resistance can be ignorable when the distance from a wall or product, etc. is larger than 2m.

Wall height condition	Necessary installation space
When H1 is 1500(mm) or less	L1 ≥ 500 (mm)
When H1 is 1500(mm) or more	L1 ≥ 500 + h1 ÷ 2 (mm)
When H2 is 500(mm) or less	L2 ≥ 100 (mm)
When H2 is 500(mm) or more	L2 ≥ 100 + h2 ÷ 2 (mm)



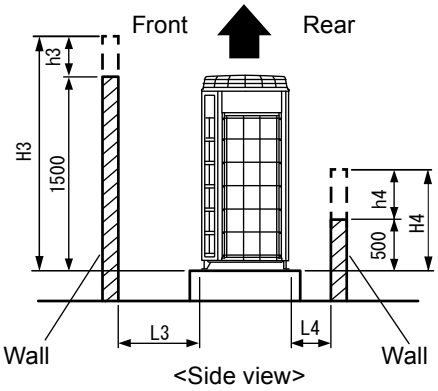


OUTDOOR UNITS

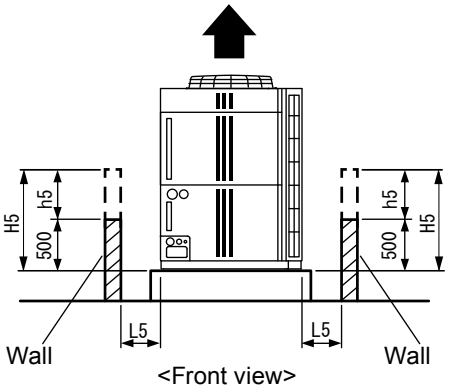
■ CONCENTRATED INSTALLATION

- Provide installation spaces L3, L4, and L5 in accordance with the table below according to the wall height (front side, rear side) conditions.
- Provide installation spaces other than L3, L4, and L5 in accordance with the conditions shown in the figure below.
- Ventilation resistance can be ignorable when the distance from a wall or product, etc. is larger than 2m.

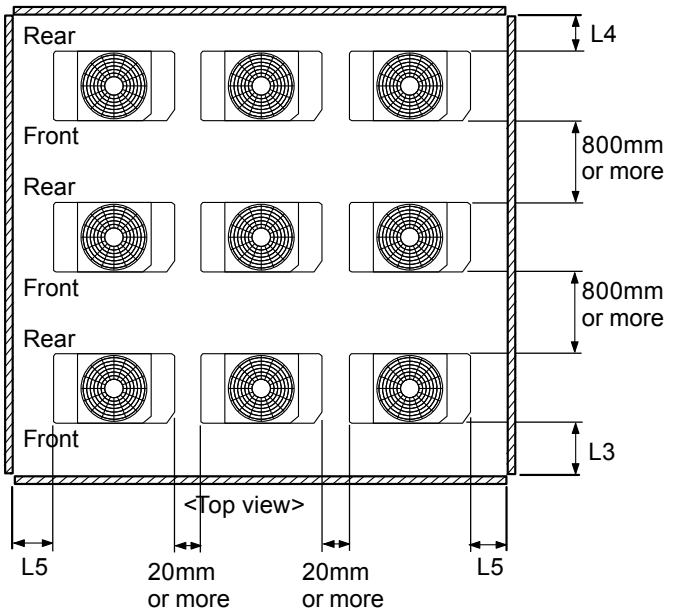
Wall height condition	Necessary installation space
When H3 is 1500(mm) or less	L3 ≥ 500 (mm)
When H3 is 1500(mm) or more	L3 ≥ 500 + h3 ÷ 2 (mm)
When H4 is 500(mm) or less	L4 ≥ 200 (mm)
When H4 is 500(mm) or more	L4 ≥ 200 + h4 ÷ 2 (mm)
When H5 is 500(mm) or less	L5 ≥ 200 (mm)
When H5 is 500(mm) or more	L5 ≥ 200 + h5 ÷ 2 (mm)



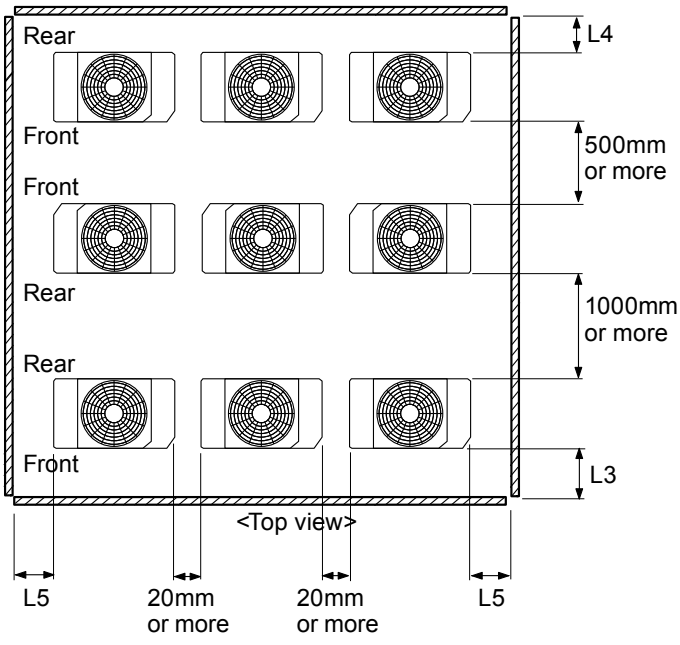
<Side view>



<Front view>



<Top view>



<Top view>

3-3-2. WHEN INSTALL NEAR BY UNLIMITED HEIGHT WALL

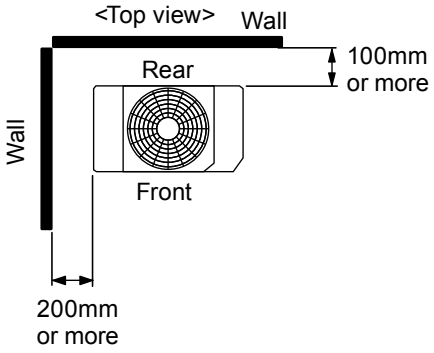
■ SINGLE AND MULTIPLE INSTALLATIONS

- There are no restrictions on the height of the wall.
- The wall (without height restrictions) must not exist on the both sides (left / right) of outdoor unit. Also, must not exist on the both sides (front / rear) of outdoor unit.
- Provide installation spaces other than L6 in accordance with the conditions shown in the figure below.
- Ventilation resistance can be ignorable when the distance from a wall or product, etc. is larger than 2m.

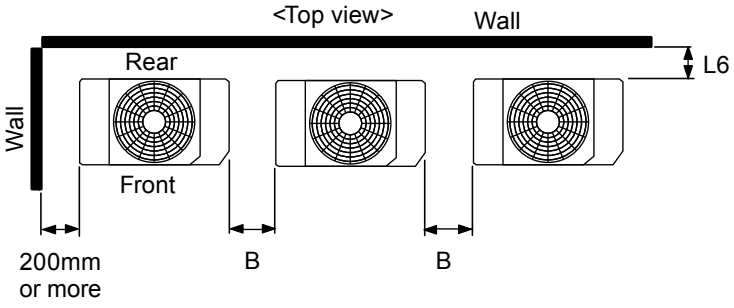
● When installing with the REAR of the outdoor unit facing the wall side

Condition	Necessary installation space
When B ≥ 400 (mm)	L6 ≥ 200 (mm)
When 20 ≤ B < 400 (mm)	L6 ≥ 200 + (400 - B) x 3 (mm)

Single installation



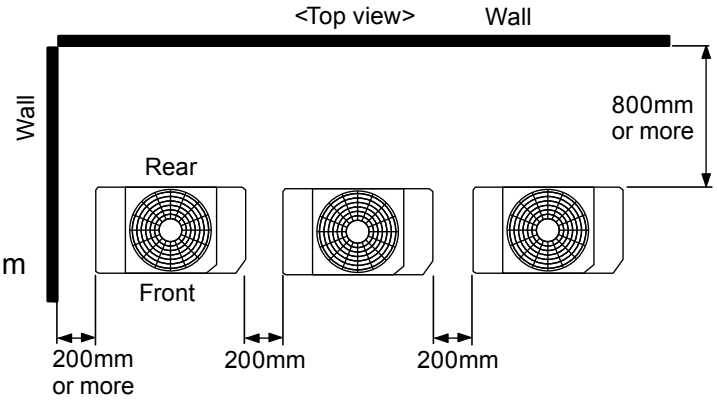
Multiple installations



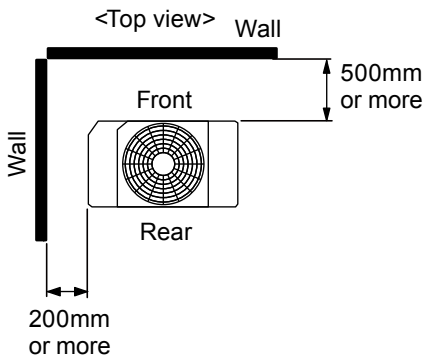
Example :

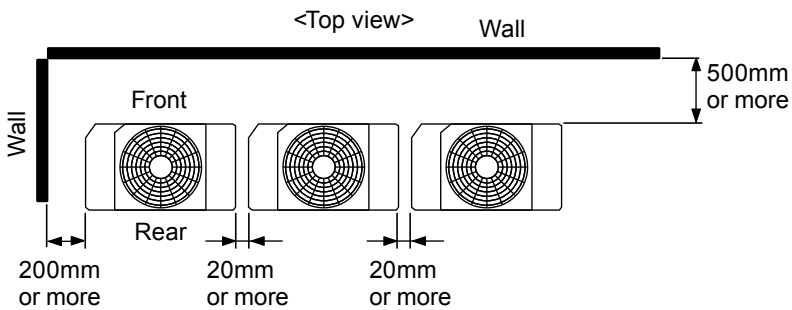
When B is made 200mm

L6 ≥ 200+(400-200)x3=800mm



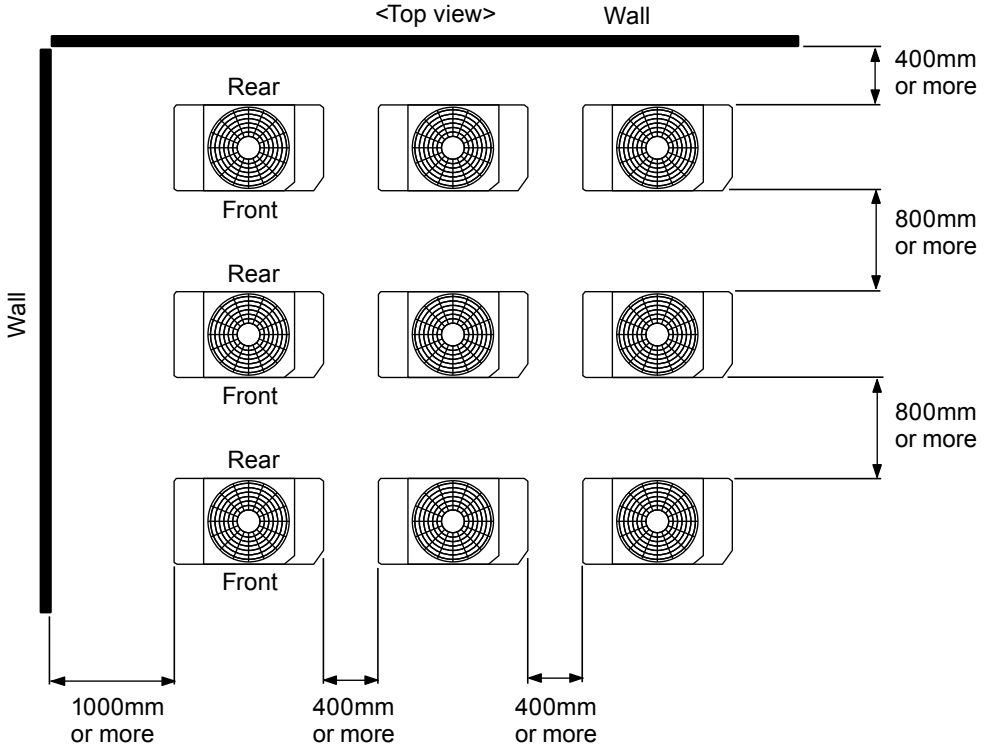
● When installing with the FRONT of the outdoor unit facing the wall side

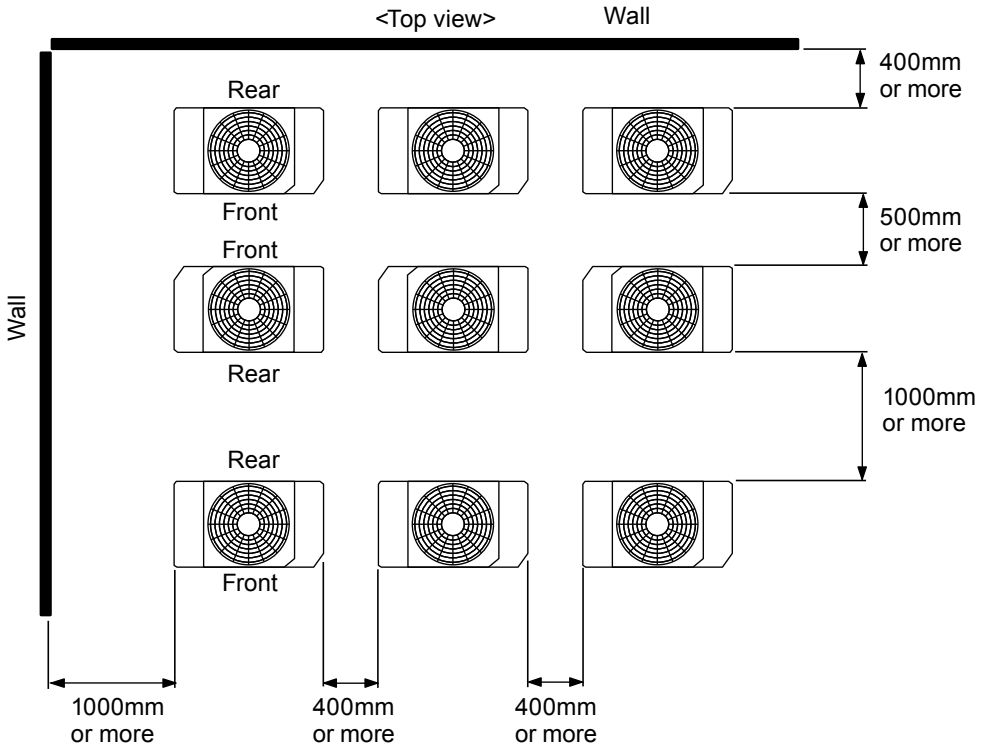




■ CONCENTRATED INSTALLATION

- The wall (without height restrictions) must not exist on the both sides (left / right) of outdoor unit. Also, must not exist on the both sides (front / rear) of outdoor unit.
- Ventilation resistance can be ignorable when the distance from a wall or product, etc. is larger than 2m.

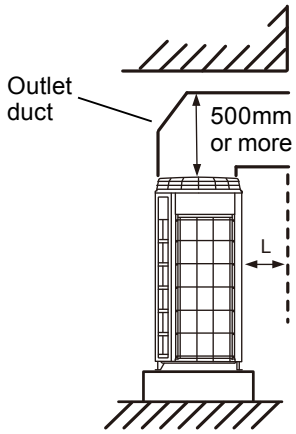




3-3-3. WHEN THERE IS AN OBSTRUCTION ABOVE THE PRODUCT

- When there is an obstruction above the product, observe the minimum installation height and install an outlet duct as shown in the figure.
- When an outlet duct, etc. is installed; the high static pressure mode must be set by pushbutton switch.

  (Also applies when a snow hood was installed)



● High static pressure mode setting

Select the high static pressure mode in accordance with the table below.

Condition	High static pressure mode setting *1
When L≤ 150mm and there is no other resistance at the outlet (30Pa or less)	Set to Mode 1
When L>150mm, or there is no other resistance at the outlet (80Pa or less)	Set to Mode 2

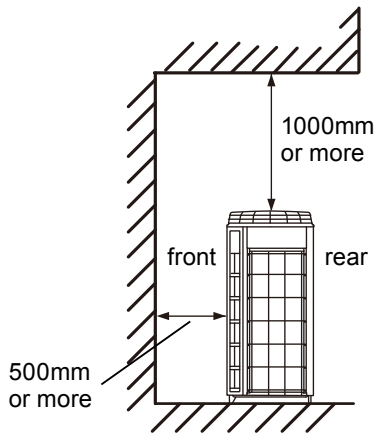
*1 : Refer to the section on Push Switch Setting in "6-6.FUNCTION SETTING".

● When an outlet duct is not installed, install the product as shown below.

1) Make the ceiling height after setting 1m or greater.

2) Be sure there is no wall at the rear side.

3) When installing products adjacently, install up to 3 units.



3-3-4. CONCENTRATED INSTALLATION EXAMPLE

- When installing units in a group, in the worst case, the drop of capacity of outdoor units due to short circuiting of the outlet air of the outdoor units installed at the periphery may reach stopping of the equipment. Basic installation examples of 12 and 24 units are shown below.

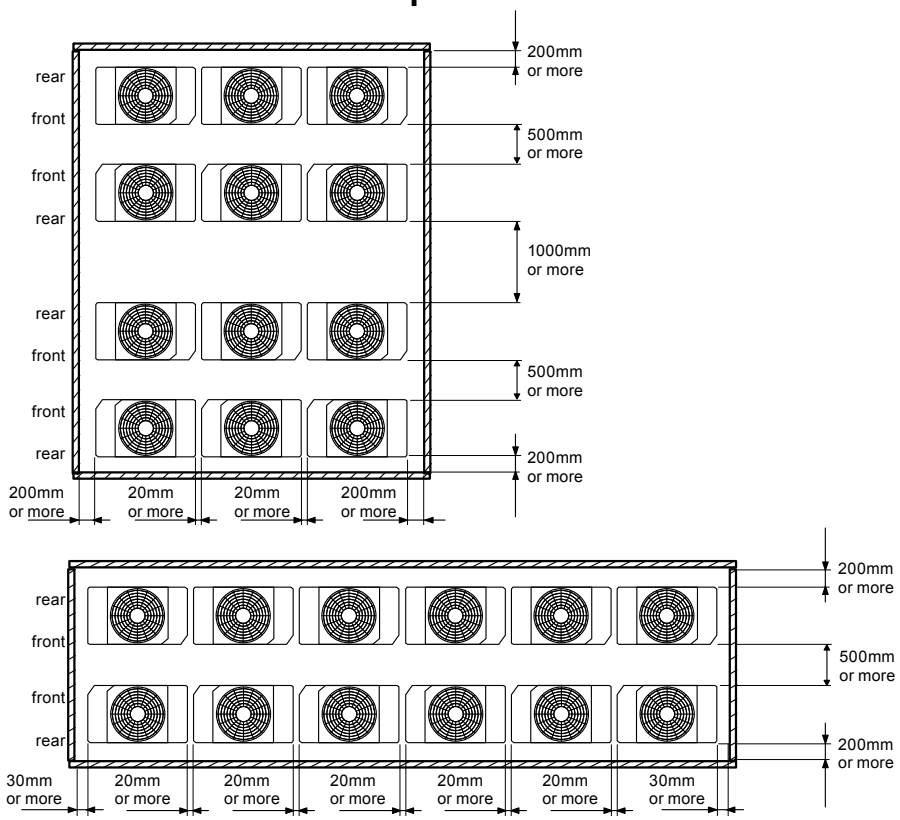
  Always secure the distances of the given value or greater.
- To prevent a drop of capacity due to a short circuit, install a mount at the bottom of the body and consider design which secures a ventilation path, etc. at the bottom of the wall. In addition, when installing more than the above number of units, provide ample space of the dimension shown below or greater, or when you cannot make a judgment, contact your dealer.

OUTDOOR UNITS

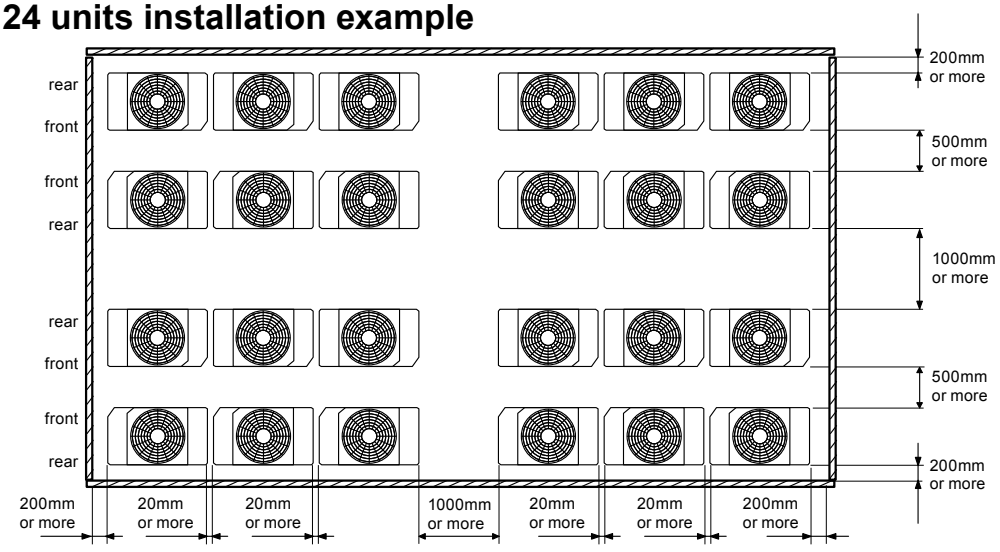
■ CONCENTRATED INSTALLATION EXAMPLE (1)

*Wall height: All 500mm

● 12 units installation example



● 24 units installation example



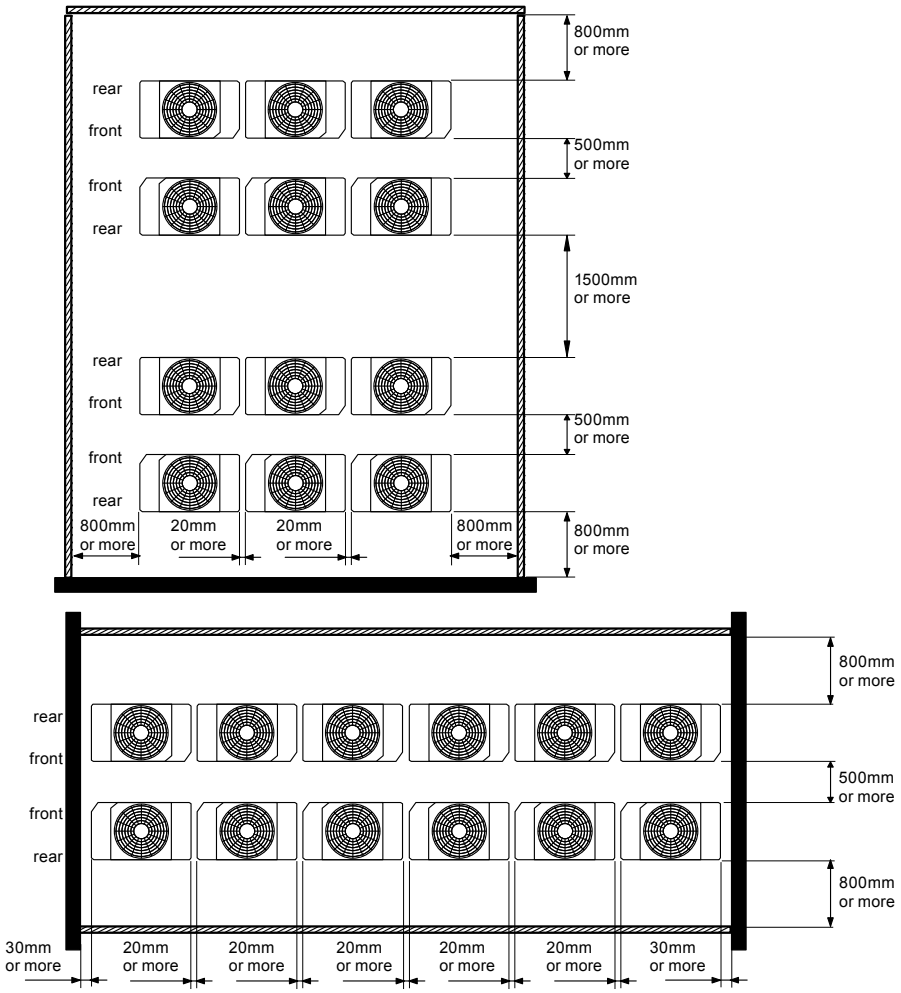
OUTDOOR UNITS

■ CONCENTRATED INSTALLATION EXAMPLE (2)

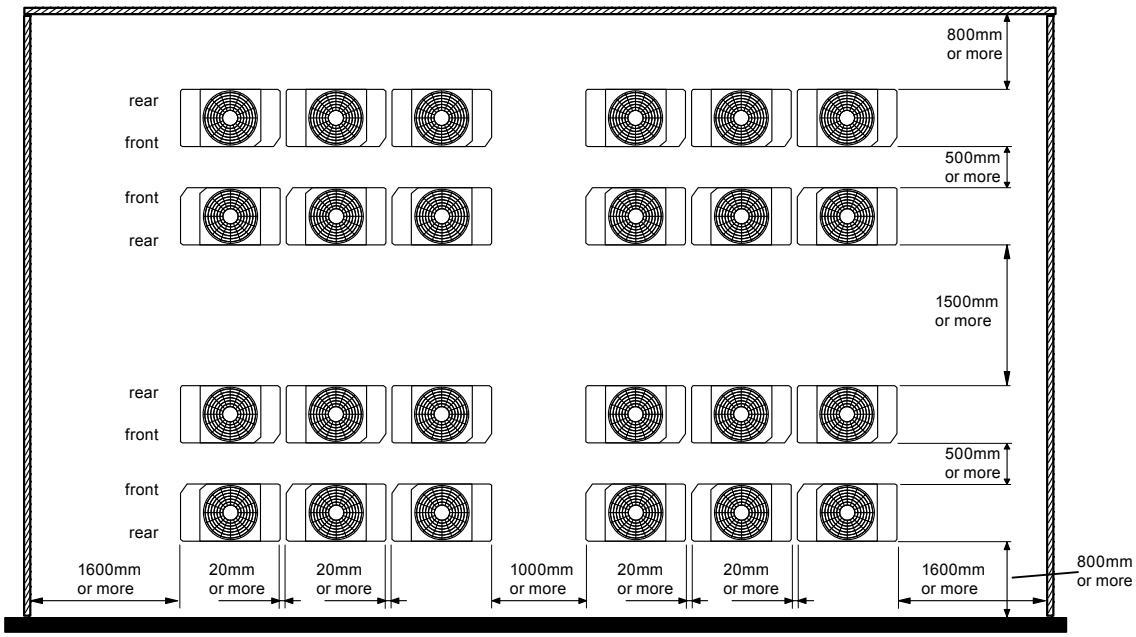
*Wall height: All 1700mm.

*However, the height of the ▬ wall can be unrestricted.

● 12 units installation example



● 24 units installation example



OUTDOOR UNITS

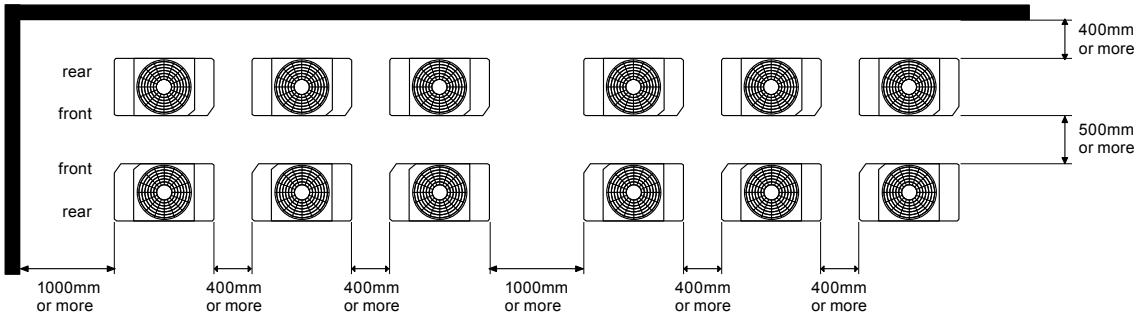
■ CONCENTRATED INSTALLATION EXAMPLE (3)

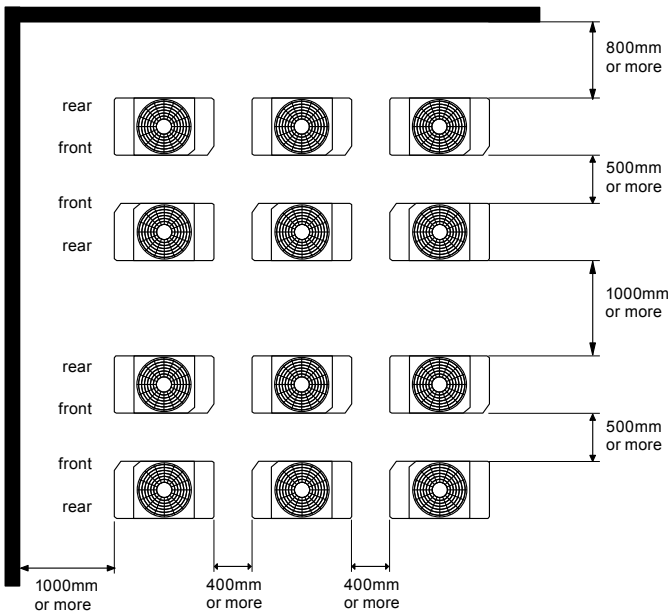
*Wall height is unrestricted.

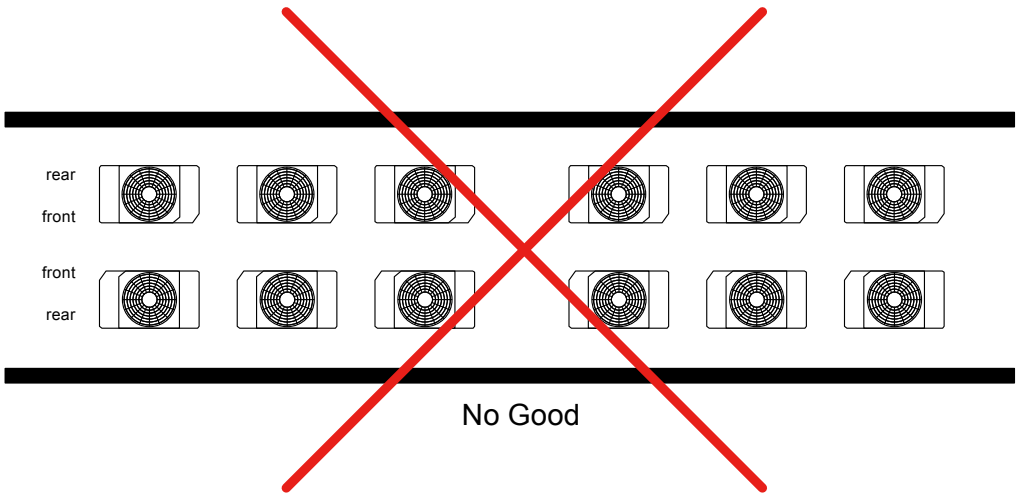
*Of the 4 directions, leave at least 2 directions open. Leave either the front or back direction open.

● 12 units installation example

Installation of more than the number of units shown below is not recommended because short circuit easily occurs at the corners.







3-3-5. INSTALLATION ON EACH FLOOR

● Precautions when installing on each floor

- When installing the product on each floor, be careful because updraft may cause a short circuit. If a short circuit occurred, the cooling and heating capacity and EER, COP (efficiency) may drop and in the worst case, high pressure protection may cause operation to stop.
- Regarding the installation dimensions, refer to the figure below and provide an ample intake space.
- Provide service space and refrigerant piping and electric wiring space.
- Install an outlet duct at each outdoor unit.

● Installation example when installed on each floor

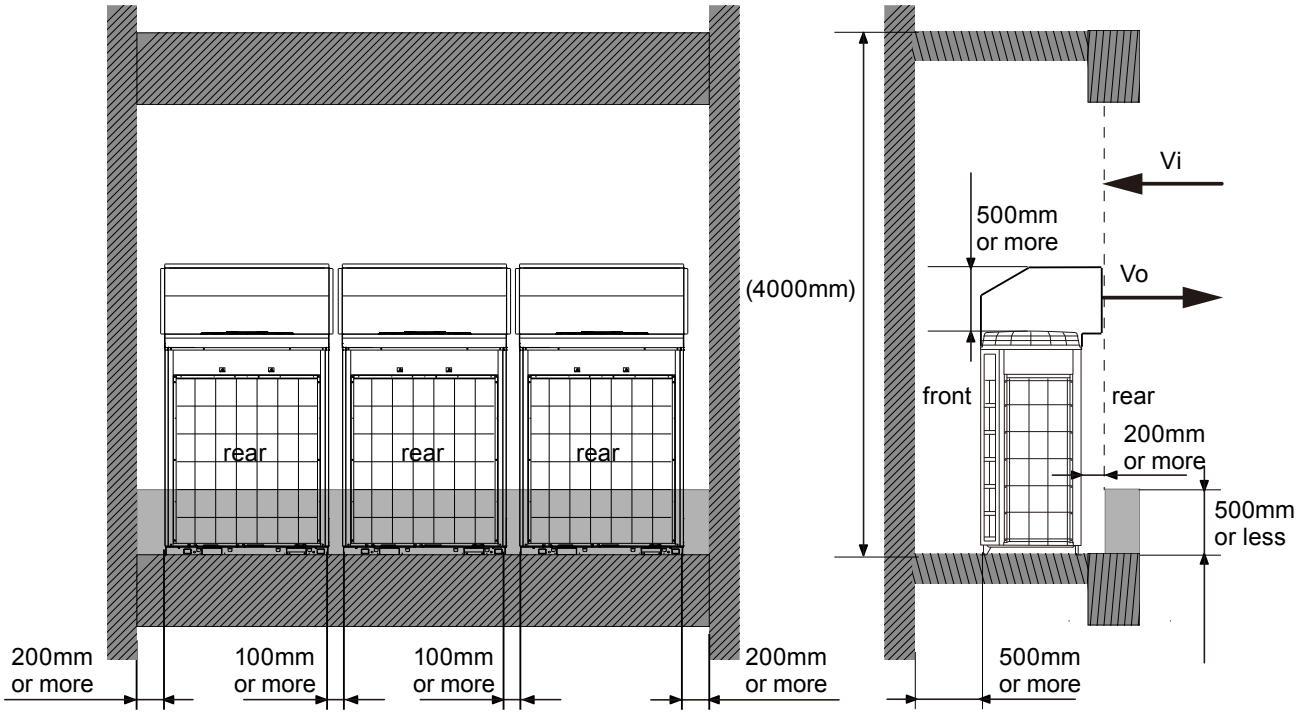
An installation example assuming conditions like those shown in the table below is shown in the figure below

Height / floor	Capacity / floor	Number of installable floors
4000mm	48HP	20 floors

When substantially different from this installation example, be amply careful of short circuit, etc

- Make the outlet wind velocity Vo = 5.5m/s to 7.5m/s.
- Make the intake wind velocity of opening Vi = 1.2m/s or less

[Example of each floor]



● When installing a louver

When installing a louver, pay attention to the following:

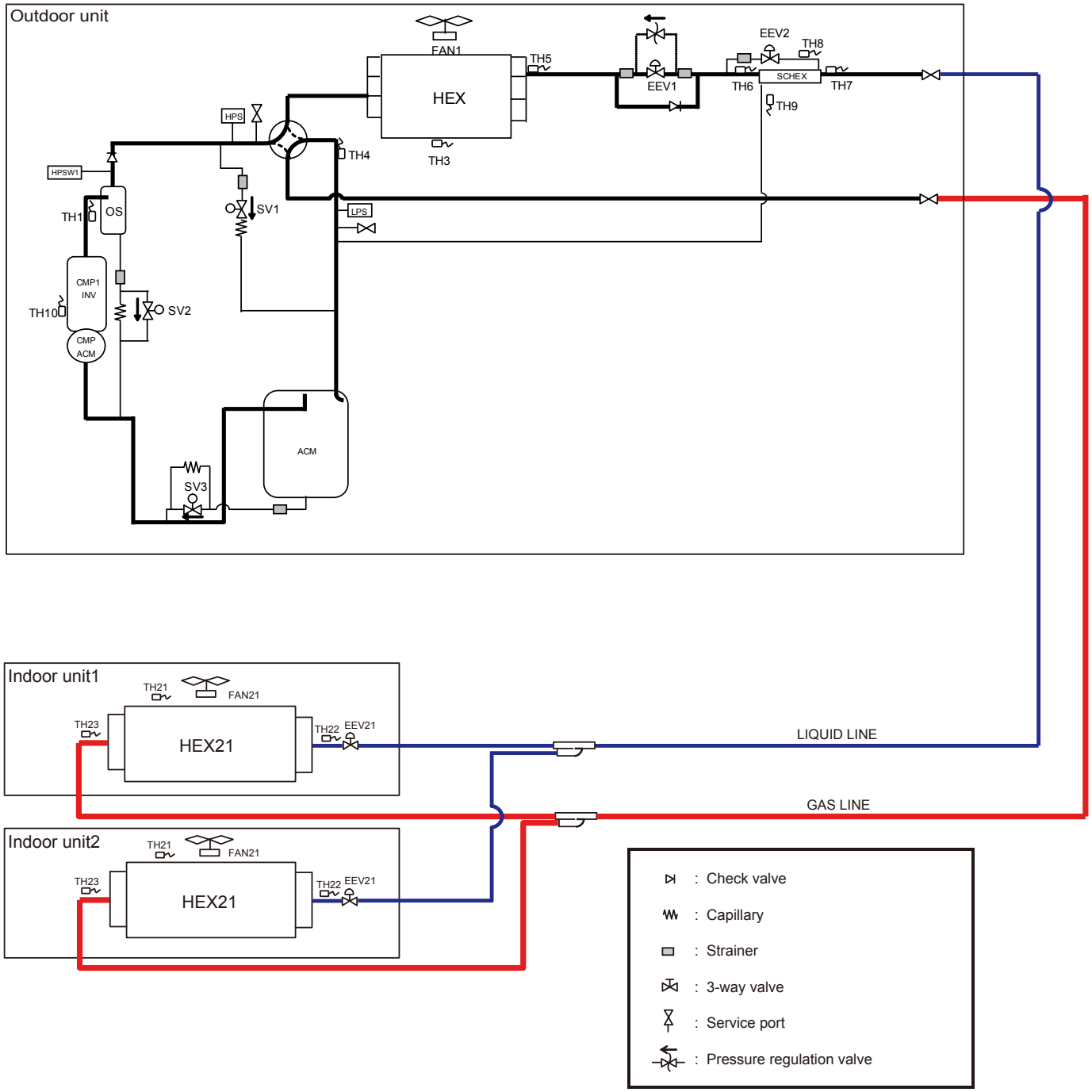
- Fit the outlet duct tightly to the louver so that short circuit will not occur.
- Make the louver angle 0° to 20° down.

If installed facing up, short circuit is easily generated by updraft.

- Make the opening ratio of the outlet louver 75% or greater.

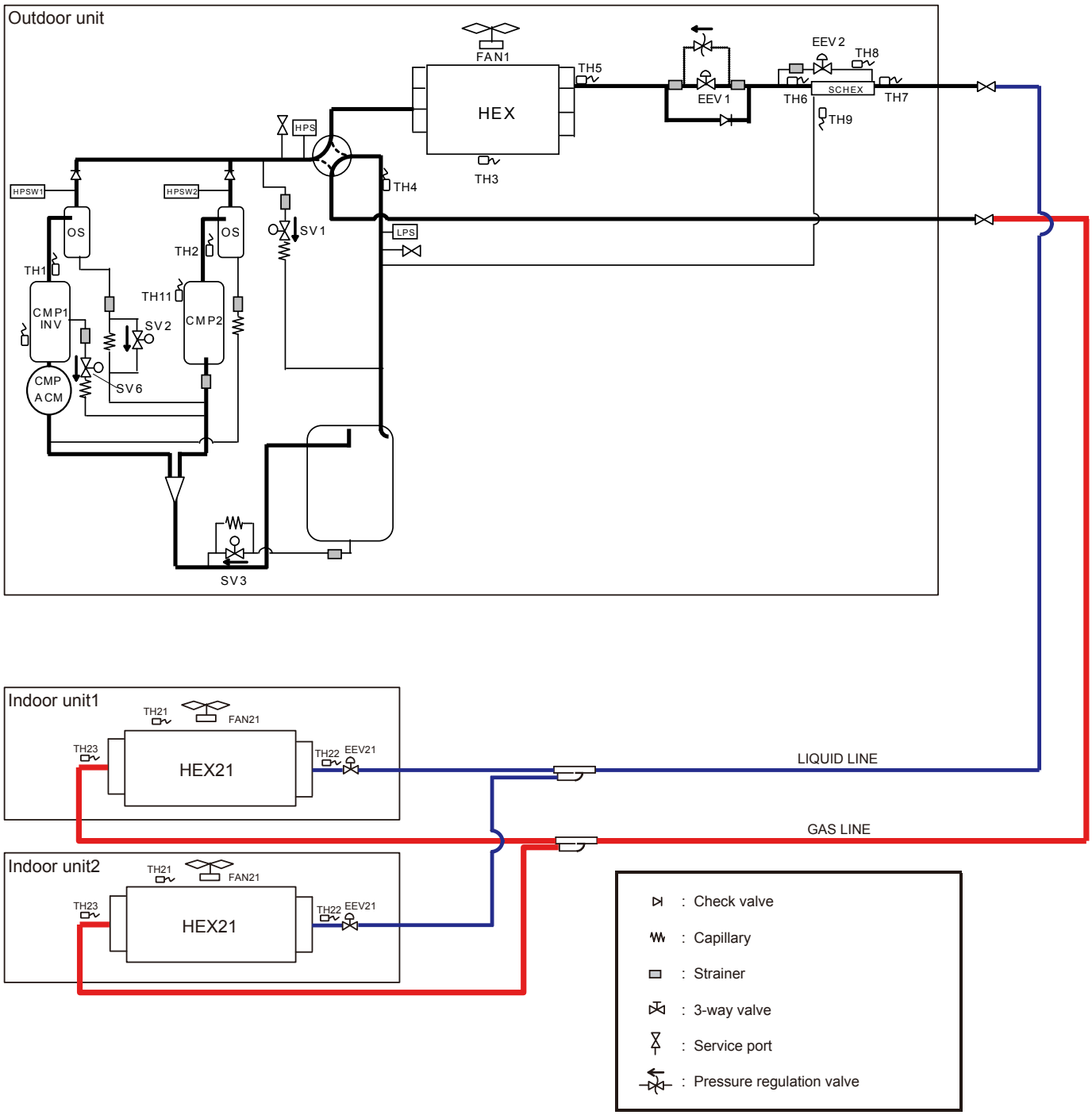
3-4. REFRIGERANT CIRCUIT

■ MODELS : AJ∗A72LALH, AJ∗A90LALH



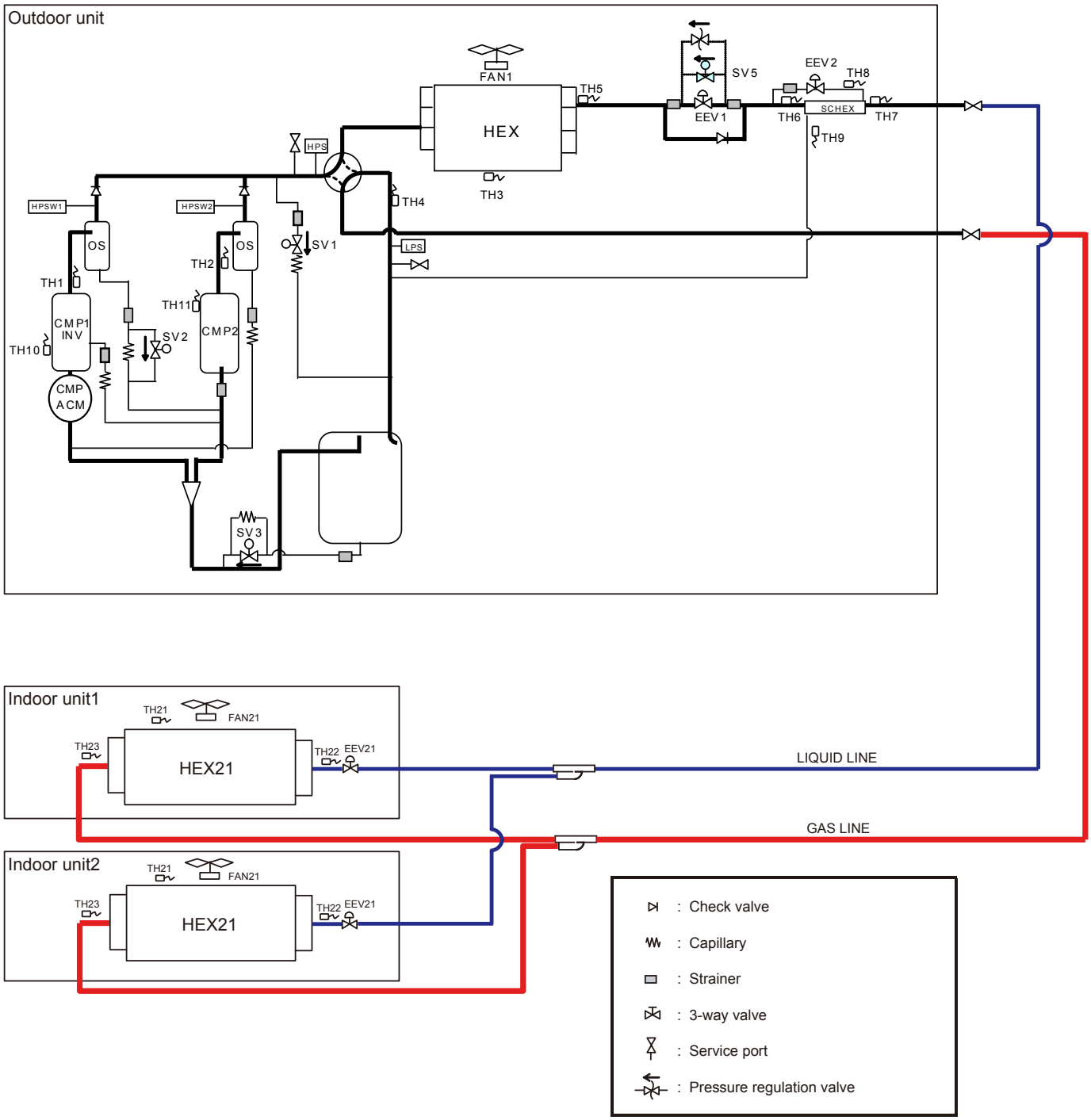
OUTDOOR UNITS

■ MODEL : AJ∗108LALH



OUTDOOR UNITS

■ MODELS : AJ∗126LALH, AJ∗144LALH



OUTDOOR UNITS

■ SYMBOL DESCRIPTION

● Outdoor unit

MARK	DESCRIPTION
CMP 1	Compressor 1 (Inverter type)
CMP 2	Compressor 2 (Constant speed type)
HEX	Heat exchanger
FAN 1	Fan 1
ACM	Accumulator
RCV	Receiver tanker
OS	Oil separator
SCHEX	Sub-cool heat exchanger
HPS	High pressure sensor
LPS	Low pressure sensor
HPSW1	High pressure sensor switch 1
4WV	4-way valve
EEV 1	Electric expansion valve 1
EEV 2	Electric expansion valve 2
SV 1	Solenoid valve 1
SV 2	Solenoid valve 2
SV 3	Solenoid valve 3
SV 5	Solenoid valve 5
SV 6	Solenoid valve 6
TH 1	Discharge temperature thermistor 1
TH 2	Discharge temperature thermistor 2
TH 3	Outdoor temperature thermistor
TH 4	Suction temperature thermistor
TH 5	Heat exchanger (outlet) thermistor
TH 6	Liquid temperature thermistor 1
TH 7	Liquid temperature thermistor 2
TH 8	Sub-cool heat exchanger (inlet) thermistor
TH 9	Sub-cool heat exchanger (outlet) thermistor
TH 10	Compressor 1 temperature thermistor
TH 11	Compressor 2 temperature thermistor

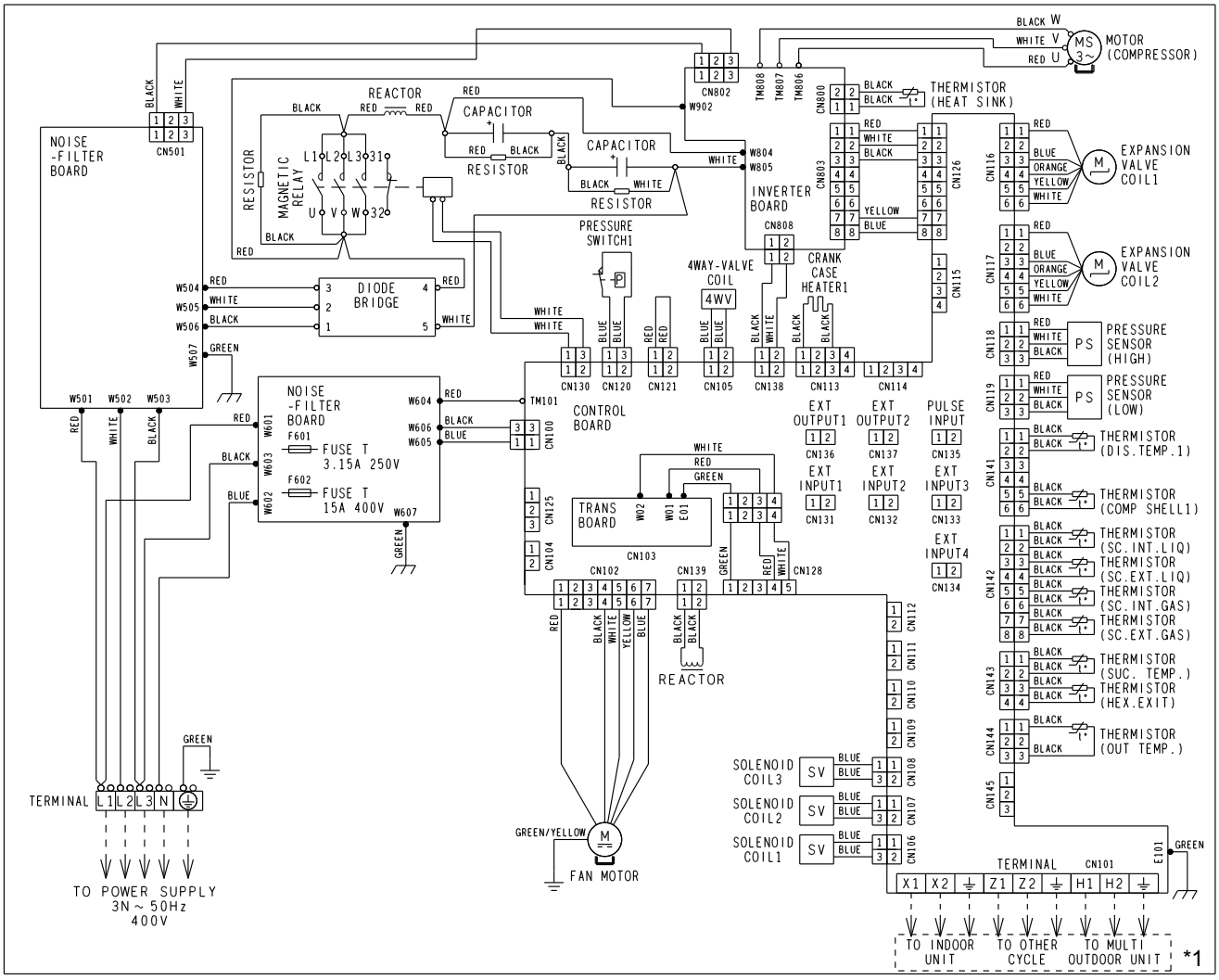
● Indoor unit

MARK	DESCRIPTION
HEX 21	Heat exchanger
FAN 21	Fan
EEV 21	Electric expansion valve
TH 21	Room temperature thermistor
TH 22	Heat exchanger (inlet) thermistor
TH 23	Heat exchanger (outlet) thermistor

OUTDOOR UNITS

3-5. WIRING DIAGRAM

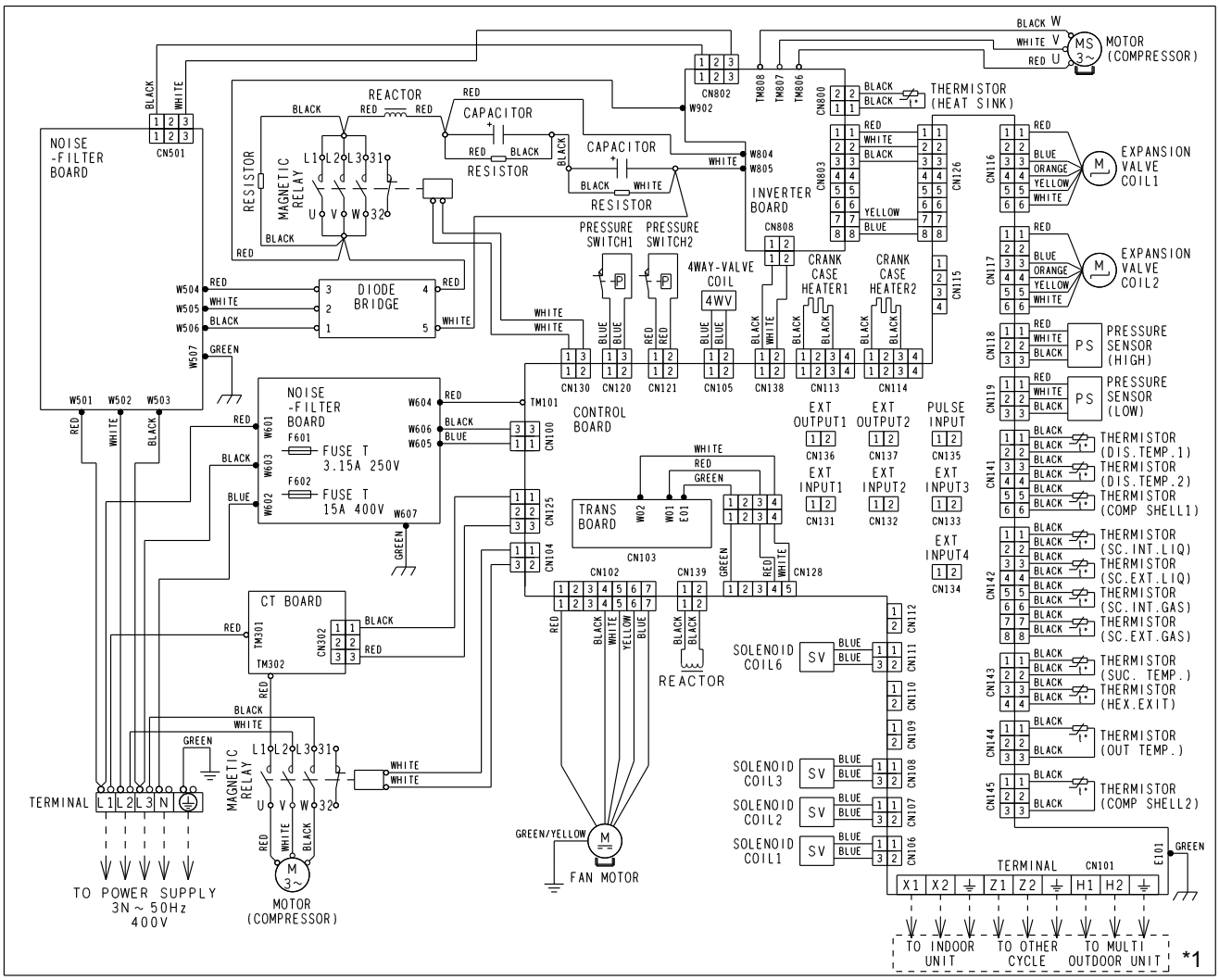
■ MODELS : AJ∗A72LALH, AJ∗A90LALH



Note : *1
X1, X2 : To be connected to indoor units
Z1, Z2 : To be connected to other master outdoor unit
H1, H2 : To be connected to outdoor unit within same refrigerant system

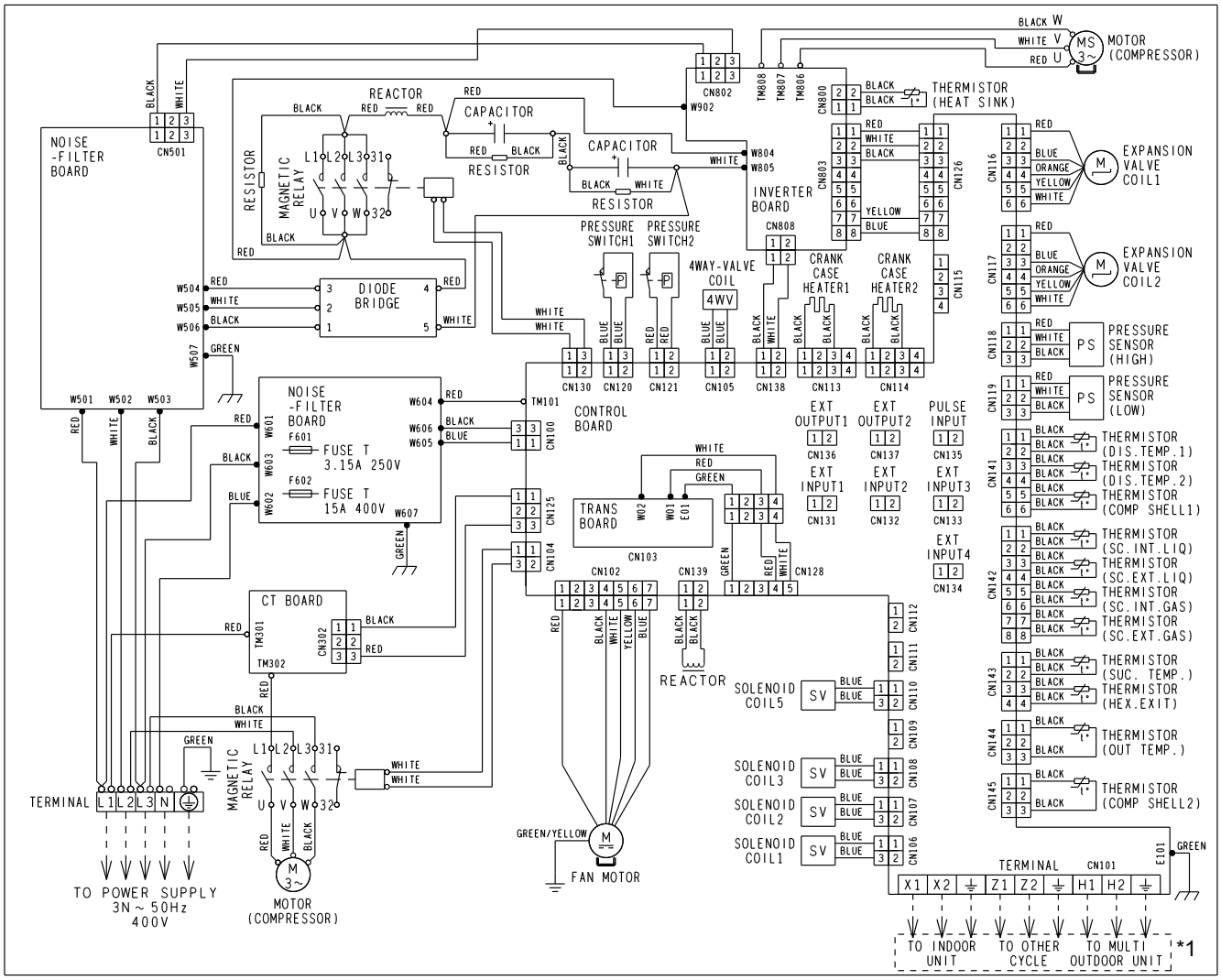
OUTDOOR UNITS

■ MODEL : AJ∗108LALH



Note : *1
X1, X2 : To be connected to indoor units
Z1, Z2 : To be connected to other master outdoor unit
H1, H2 : To be connected to outdoor unit within same refrigerant system

■ MODELS : AJ∗126LALH, AJ∗144LALH



Note : *1
X1, X2 : To be connected to indoor units
Z1, Z2 : To be connected to other master outdoor unit
H1, H2 : To be connected to outdoor unit within same refrigerant system

3-6. OPERATION RANGE

■ SINGLE USE

Operation mode	Operation range	
	Indoor unit	Outdoor unit
Cooling / Dry	18 to 32°C DB R.H. 80% or less	-15 to 46°C DB
Heating	10 to 30°C DB	-20 to 21°C DB

R.H. : Relative Humidity.

■ MULTIPLE USE

Operation mode	Operation range	
	Indoor unit	Outdoor unit
Cooling / Dry	18 to 32°C DB R.H. 80% or less	-5 to 46°C DB
Heating	10 to 30°C DB	-20 to 21°C DB

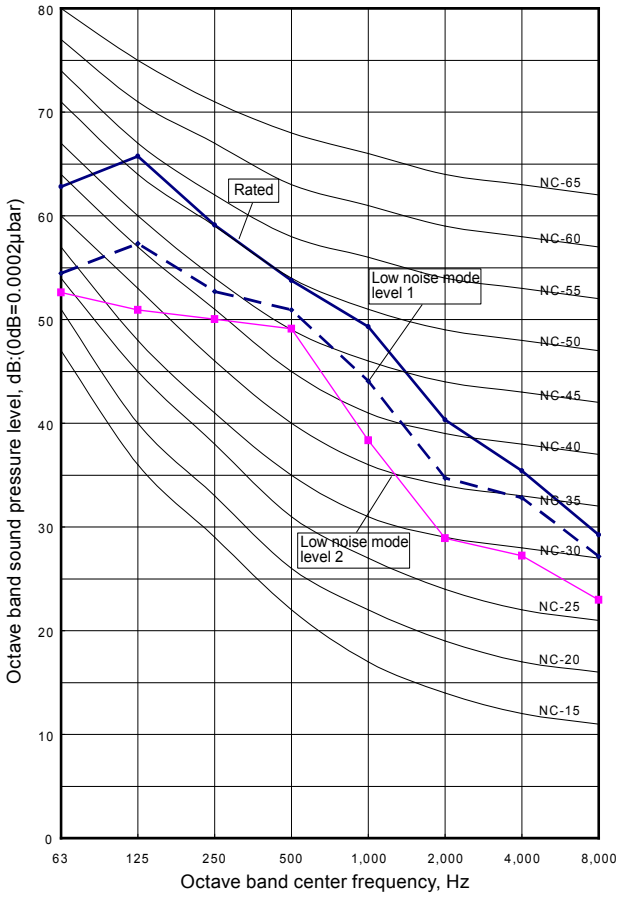
R.H. : Relative Humidity.

OUTDOOR UNITS

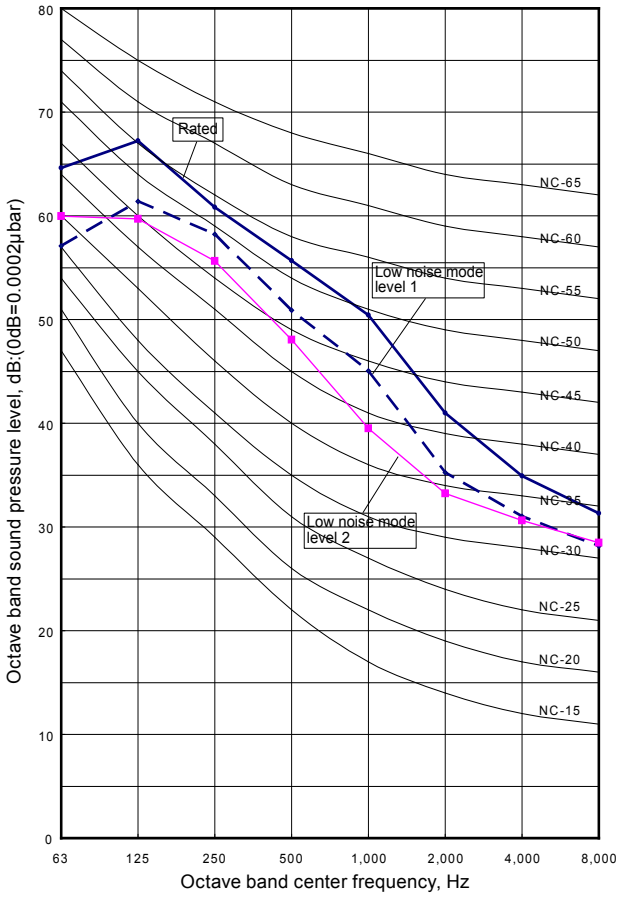
3-7. NOISE LEVEL CURVE

■ MODEL : AJ∗A72LALH

● Cooling

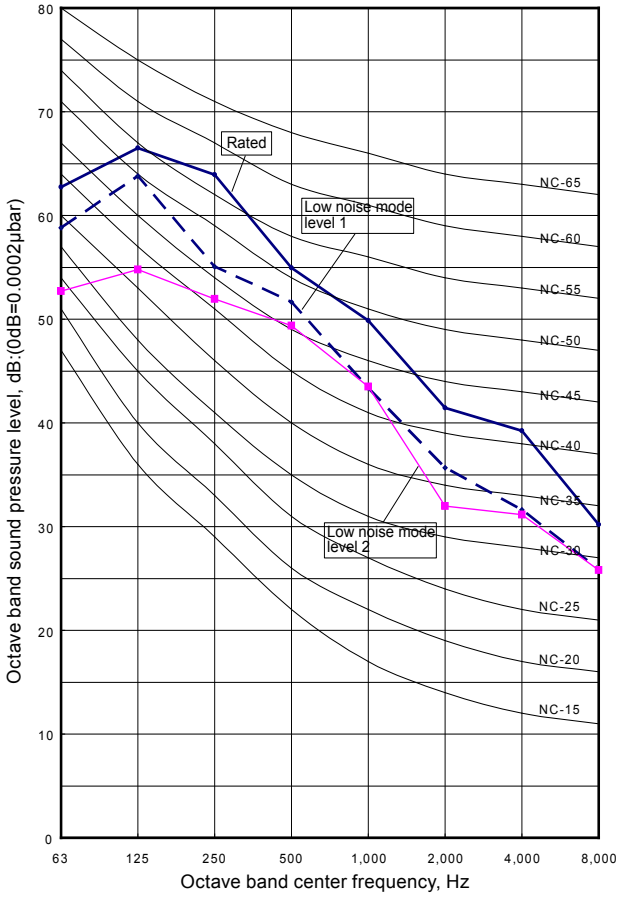


● Heating

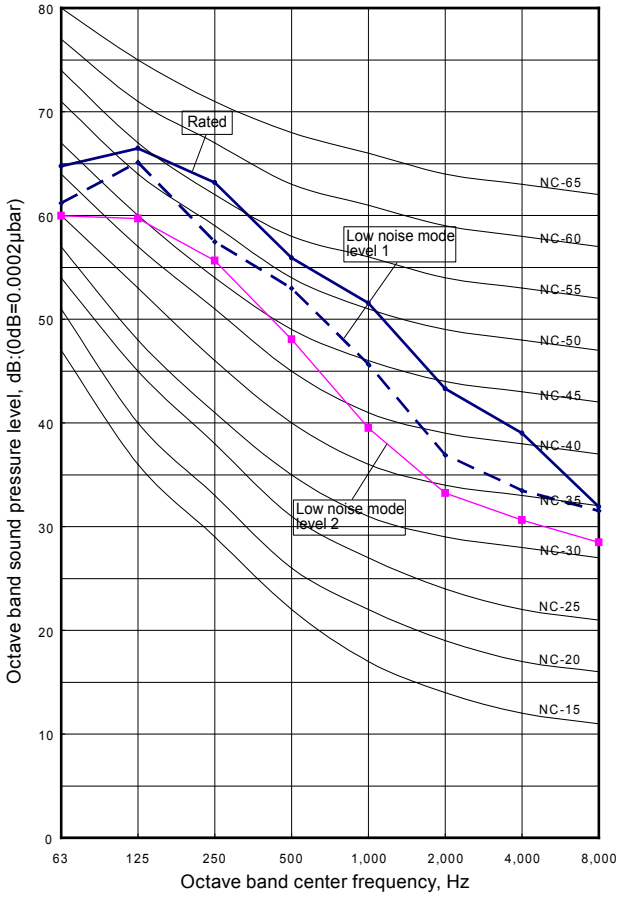


■ MODEL : AJ∗A90LALH

● Cooling

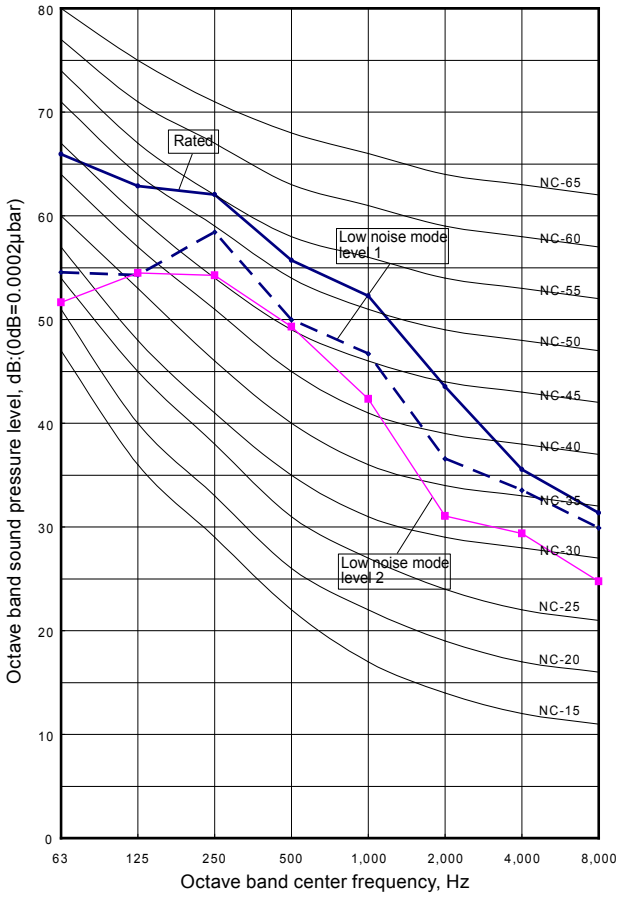


● Heating

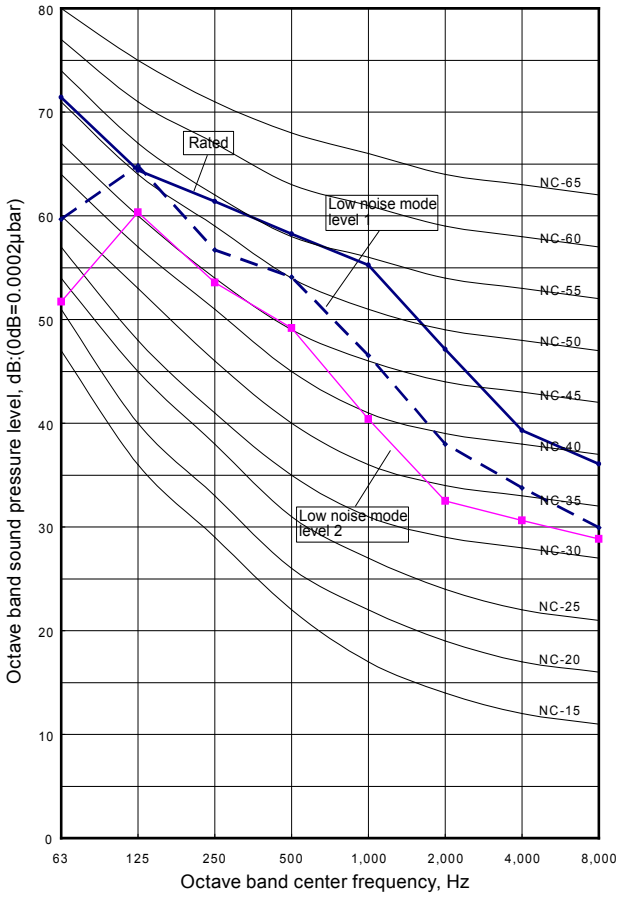


■ MODEL : AJ∗108LALH

● Cooling

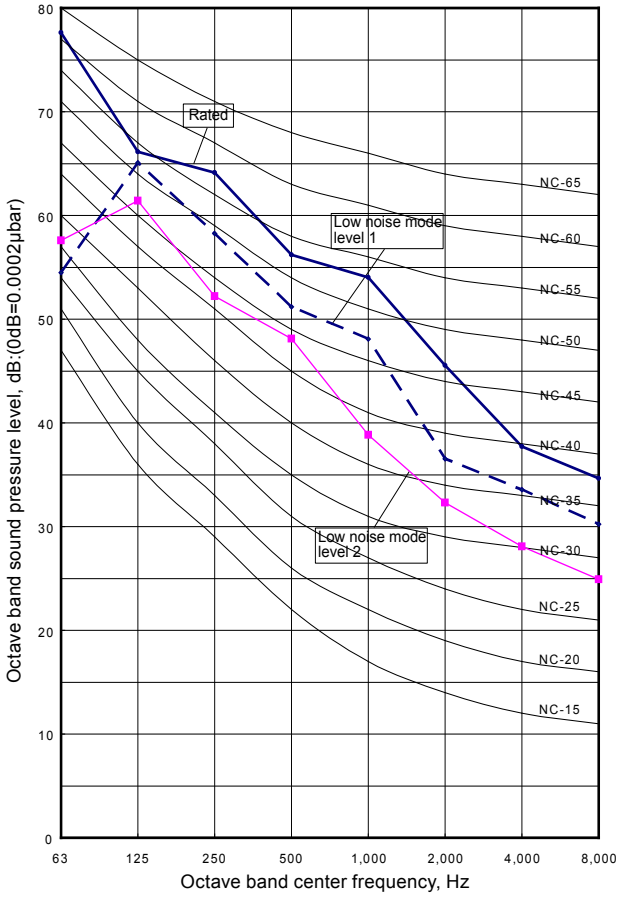


● Heating

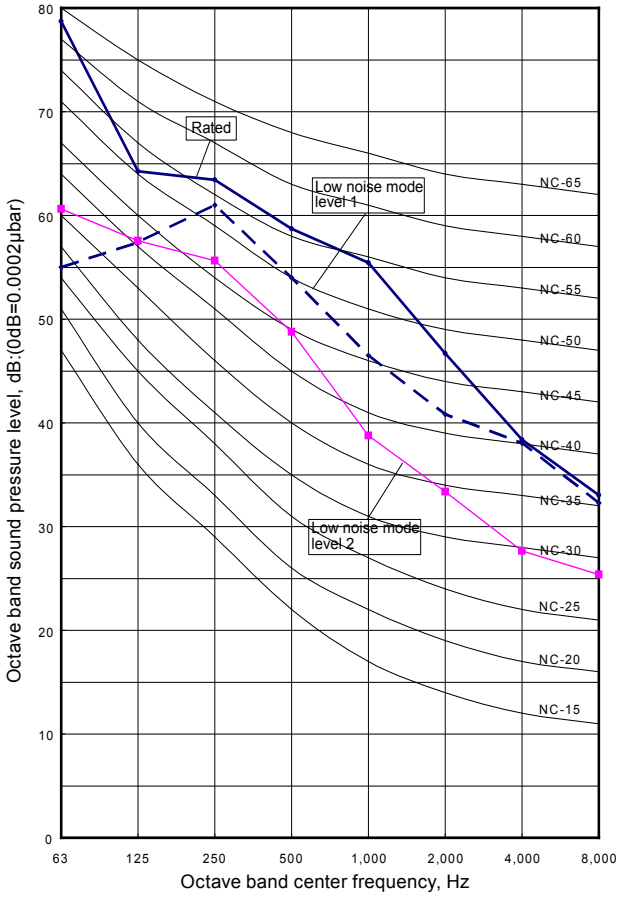


■ MODEL : AJ∗126LALH

● Cooling



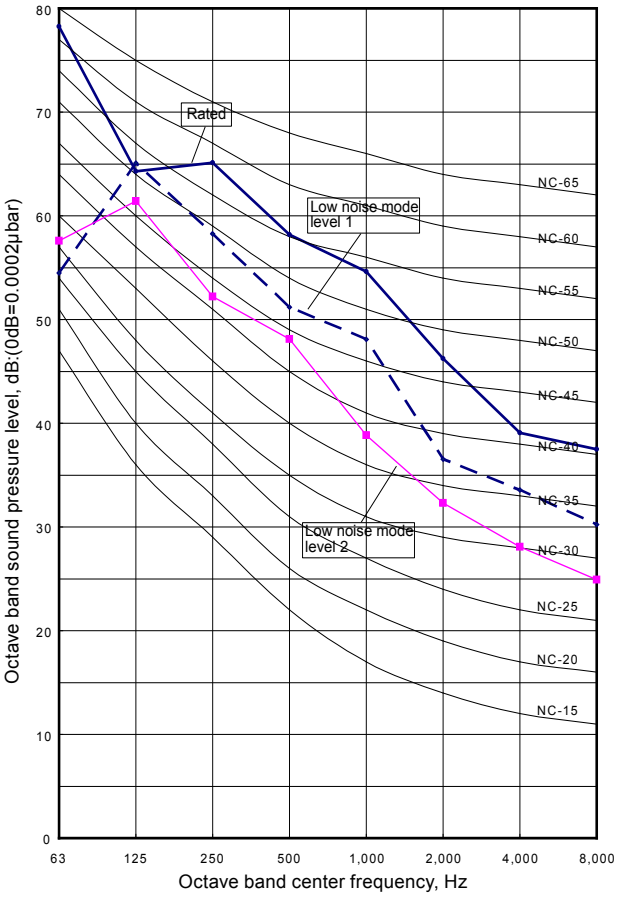
● Heating



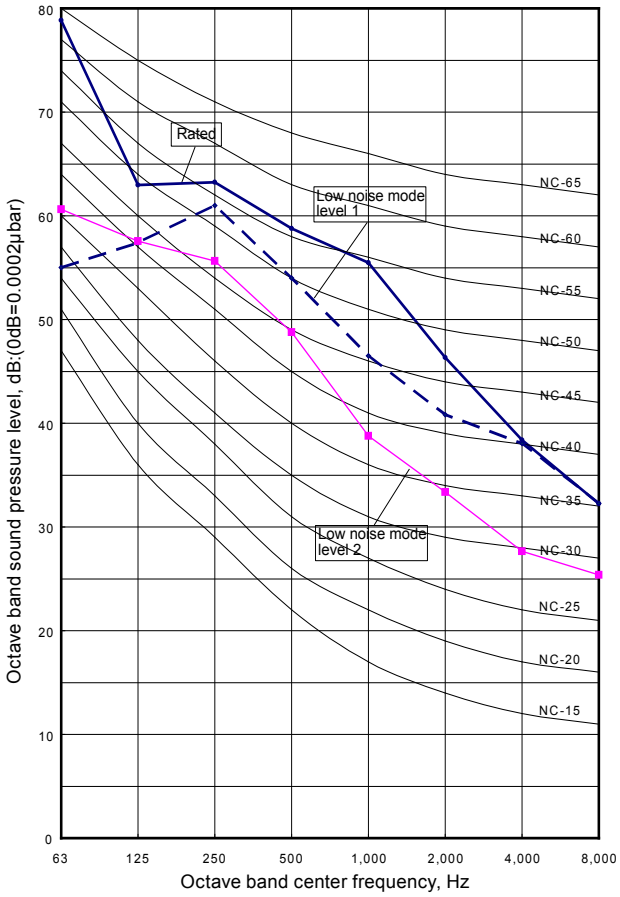
OUTDOOR UNITS

■ MODEL : AJ∗144LALH

● Cooling

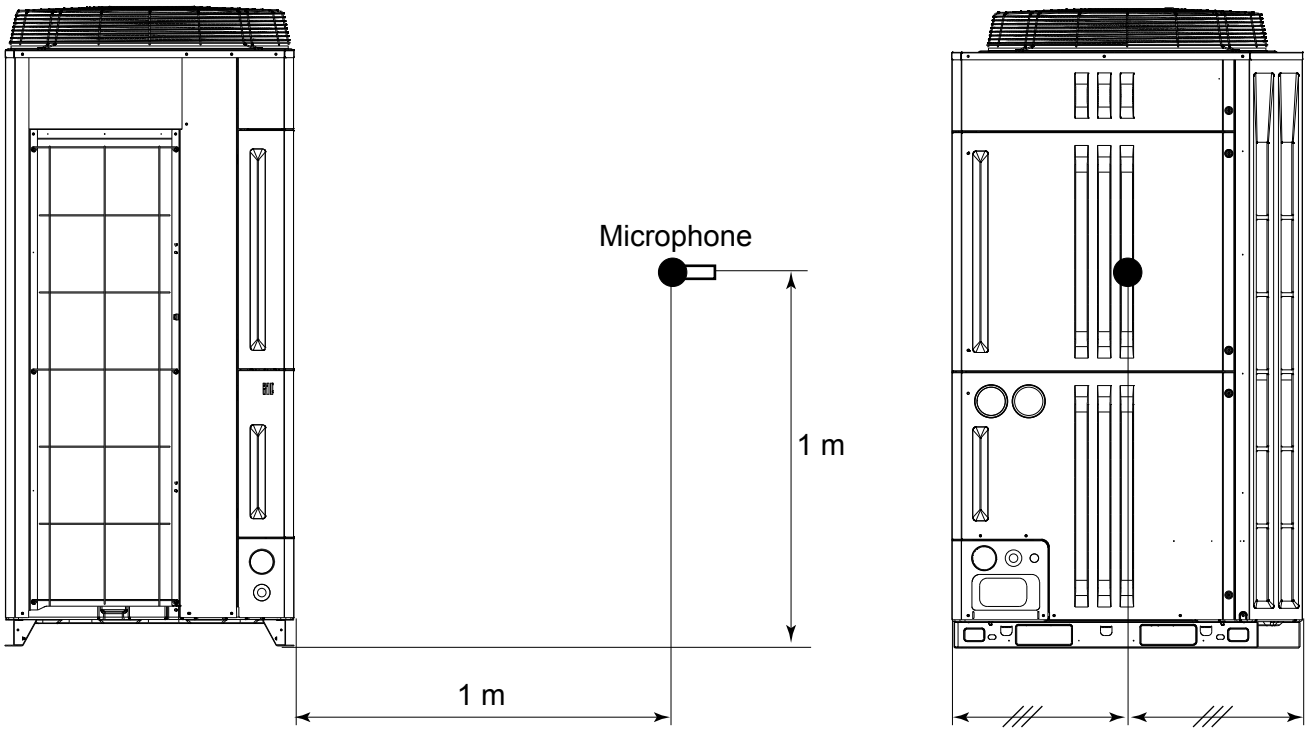


● Heating



OUTDOOR UNITS

■ SOUND LEVEL CHECK POINT



OUTDOOR UNITS

3-8. ELECTRIC CHARACTERISTICS

■ SPACE SAVING COMBINATION

		Rated Value		Electric Characteristics									
		Power Supply		Full Load Characteristics			Wiring Specifications *1				Compresser	Outdoor Fan Morter	
HP	Model name	Hz	Voltage (V)	MCA (A)	TOCA (A)]	MSC (A)	MFA (A)	Power Cable (mm^2)	Earth Cable (mm^2)	Limied Wiring Length (m) *2	RLA (A)	Output (kW)	FLA (A)
8HP	AJ∗A72LALH	50	400	24.0	28.0	19.2	30	4	4	30	10.2	0.6	3.2
10HP	AJ∗A90LALH	50	400	24.0	28.0	19.2	30	4	4	30	10.2	0.6	3.2
12HP	AJ∗108LALH	50	400	39.1	44.0	91.8	50	10	6	42	10.2+10.0	0.6	3.2
14HP	AJ∗126LALH	50	400	39.1	44.0	91.8	50	10	6	42	10.2+10.0	0.6	3.2
16HP	AJ∗144LALH	50	400	39.1	44.0	91.8	50	10	6	42	10.2+10.0	0.6	3.2

OUTDOOR UNITS

- Select the breaker based on MCA of the table above.
- Select the wire diameter based on the larger value of MCA or TOCA of the table above and select a wire diameter which withstands the breaker capacity.

*1 Wiring Spec : These values are recommended data. Please select the wiring spec in accordance with local rules.
*2 Limited Wiring Length : This wiring length is in case voltage drop less than 2%. When wiring length extend longer, select the wiring size of larger diameter.
RLA : Rated Load Amp of compressor under the standard condition.
MCA : Min Circuit Amp = Max Operating Current (Full Load)
MSC : Max Starting Current
TOCA : Total Value of Each Over Current Set
MFA : Main Fuse (Circuit Breaker) Current

			Rated Value		Electric Characteristics		
			Power Supply		Full Load Characteristics		
HP	Set model name	Model name	Hz	Voltage (V)	MCA (A)	TOCA (A)]	MSC (A)
18HP	AJ∗162LALH	AJ∗A90LALH AJ∗A72LALH	50	400	48.0	56.0	38.4
20HP	AJ∗180LALH	AJ∗108LALH AJ∗A72LALH	50	400	63.1	72.0	111.0
22HP	AJ∗198LALH	AJ∗108LALH AJ∗A90LALH	50	400	63.1	72.0	111.0
24HP	AJ∗216LALH	AJ∗108LALH AJ∗108LALH	50	400	78.2	88.0	183.6
26HP	AJ∗234LALH	AJ∗126LALH AJ∗108LALH	50	400	78.2	88.0	183.6
28HP	AJ∗252LALH	AJ∗144LALH AJ∗108LALH	50	400	78.2	88.0	183.6
30HP	AJ∗270LALH	AJ∗144LALH AJ∗126LALH	50	400	78.2	88.0	183.6
32HP	AJ∗288LALH	AJ∗144LALH AJ∗144LALH	50	400	78.2	88.0	183.6
34HP	AJ∗306LALH	AJ∗108LALH AJ∗108LALH AJ∗A90LALH	50	400	102.2	116.0	202.8
36HP	AJ∗324LALH	AJ∗108LALH AJ∗108LALH AJ∗108LALH	50	400	117.3	132.0	275.4
38HP	AJ∗342LALH	AJ∗126LALH AJ∗108LALH AJ∗108LALH	50	400	117.3	132.0	275.4
40HP	AJ∗360LALH	AJ∗144LALH AJ∗108LALH AJ∗108LALH	50	400	117.3	132.0	275.4
42HP	AJ∗378LALH	AJ∗144LALH AJ∗126LALH AJ∗108LALH	50	400	117.3	132.0	275.4
44HP	AJ∗396LALH	AJ∗144LALH AJ∗144LALH AJ∗108LALH	50	400	117.3	132.0	275.4
46HP	AJ∗414LALH	AJ∗144LALH AJ∗144LALH AJ∗126LALH	50	400	117.3	132.0	275.4
48HP	AJ∗432LALH	AJ∗144LALH AJ∗144LALH AJ∗144LALH	50	400	117.3	132.0	275.4

OUTDOOR UNITS

- Select the breaker based on MCA of the table above.
- Select the wire diameter based on the larger value of MCA or TOCA of the table above and select a wire diameter which withstands the breaker capacity.

*1 Wiring Spec : These values are recommended data. Please select the wiring spec in accordance with local rules.

*2 Limited Wiring Length : This wiring length is in case voltage drop less than 2%. When wiring length extend longer, select the wiring size of larger diameter.

RLA : Rated Load Amp of compressor under the standard condition.

MCA : Min Circuit Amp = Max Operating Current (Full Load)

MSC : Max Starting Current

TOCA : Total Value of Each Over Current Set

MFA : Main Fuse (Circuit Breaker) Current

■ ENERGY EFFICIENCY COMBINATION

			Rated Value		Electric Characteristics		
			Power Supply		Full Load Characteristics		
HP	Set model name	Model name	Hz	Voltage (V)	MCA (A)	TOCA (A)]	MSC (A)
16HP	AJ∗144LALHH	AJ∗A72LALH AJ∗A72LALH	50	400	48.0	44.0	38.4
22HP	AJ∗198LALHH	AJ∗126LALH AJ∗A72LALH	50	400	63.1	72.0	111.0
24HP	AJ∗216LALHH	AJ∗A72LALH AJ∗A72LALH AJ∗A72LALH	50	400	72.0	84.0	57.6
26HP	AJ∗234LALHH	AJ∗A90LALH AJ∗A72LALH AJ∗A72LALH	50	400	72.0	84.0	57.6
28HP	AJ∗252LALHH	AJ∗108LALH AJ∗A72LALH AJ∗A72LALH	50	400	87.1	100.0	130.2
30HP	AJ∗270LALHH	AJ∗126LALH AJ∗A72LALH AJ∗A72LALH	50	400	87.1	100.0	130.2
32HP	AJ∗288LALHH	AJ∗108LALH AJ∗108LALH AJ∗A72LALH	50	400	102.2	116.0	202.8
34HP	AJ∗306LALHH	AJ∗126LALH AJ∗108LALH AJ∗A72LALH	50	400	102.2	116.0	202.8
36HP	AJ∗324LALHH	AJ∗126LALH AJ∗126LALH AJ∗A72LALH	50	400	102.2	116.0	202.8
40HP	AJ∗360LALHH	AJ∗126LALH AJ∗126LALH AJ∗108LALH	50	400	117.3	132.0	275.4
42HP	AJ∗378LALHH	AJ∗126LALH AJ∗126LALH AJ∗126LALH	50	400	117.3	132.0	275.4
44HP	AJ∗396LALHH	AJ∗144LALH AJ∗126LALH AJ∗126LALH	50	400	117.3	132.0	275.4

OUTDOOR UNITS

- Select the breaker based on MCA of the table above.
- Select the wire diameter based on the larger value of MCA or TOCA of the table above and select a wire diameter which withstands the breaker capacity.

*1 Wiring Spec : These values are recommended data. Please select the wiring spec in accordance with local rules.
*2 Limited Wiring Length : This wiring length is in case voltage drop less than 2%. When wiring length extend longer, select the wiring size of larger diameter.
RLA : Rated Load Amp of compressor under the standard condition.
MCA : Min Circuit Amp = Max Operating Current (Full Load)
MSC : Max Starting Current
TOCA : Total Value of Each Over Current Set
MFA : Main Fuse (Circuit Breaker) Current

3-9. SAFETY DEVICES

Safety device		AJ∗A72LALH	AJ∗A90LALH	AJ∗108LALH	AJ∗126LALH	AJ∗144LALH
Fuse (Main PCB)		AC 250V 3.15A AC 500V 15A				
Protector (INV PCB)		AC 500V 25A				
Compressor Protector	INV COMP	Overcurrent protection - Temperature protection Off : 110°C On : 80°C				
	CONST COMP	—		Temperature protection Off:155°C±5(0A) On:80°C±11(0A) Minimum operation current On:14.4A(120°C) Off:20.0A(120°C) Over current protection 3 - 10sec 59.0A		
High Pressure Protection		Off : 4.2MPa On : 3.2MPa				
Low Pressure Protection		Off : 0.05MPa				

OUTDOOR UNITS

3-10. LOCALLY PROCURED PARTS

3-10-1. AIR DISCHARGE DUCT

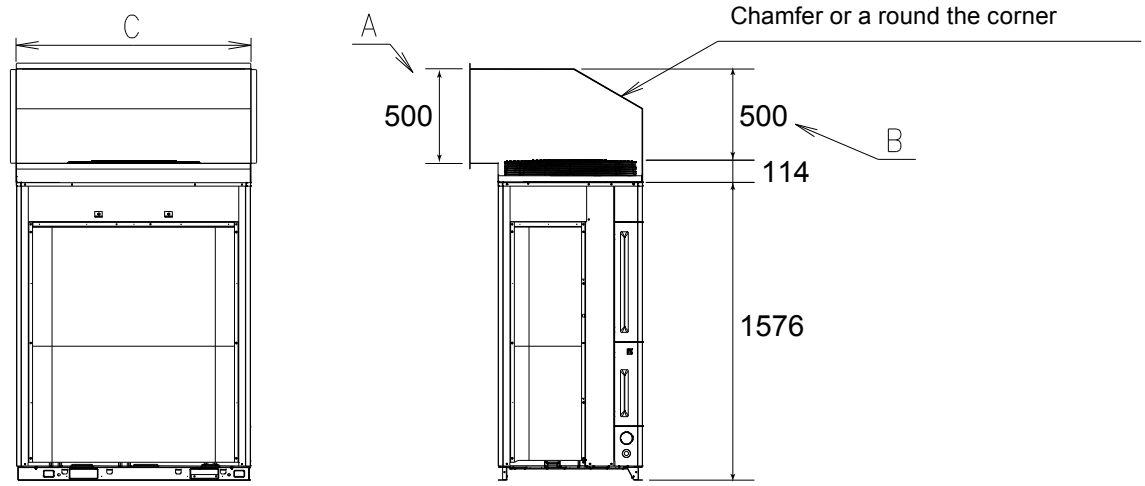
(Unit : mm)

■ PRECAUTION

- All the components/parts such as the duct, frame, and screws are to be locally procured.
- Do not install the duct where seasonal wind blow directly against to the discharge port.
- Install so that the static pressure of the air flow path, including the duct is 80Pa or less.
- Note that installation of the duct increases the height of the cabinet.
- If installation space may narrow, like as consecutive unit layout, be sure to fix the duct to the unit before placing the unit.
- When the duct is installed, the noise may become louder.

OUTDOOR UNITS

■ DUCT LAYOUT EXAMPLE



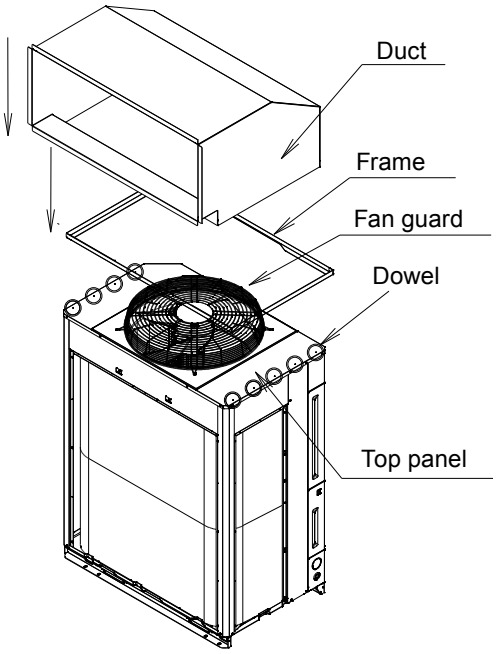
Model	Dimension C	
	(Minimum)	(Maximum)
AJ∗A72LALH	862	928
AJ∗A90LALH		
AJ∗108LALH		
AJ∗126LALH	1172	1238
AJ∗144LALH		

⚠ Caution

- Make the height A of the duct opening section 500mm or greater.
- Make the height B of the duct, excluding the flange 500mm or greater.
- Make the width (dimension C) of the duct within the range of the table shown above.
- Provide a Chamfer or round the corner at the air flow path.
- Design the duct weight with 100kg or less as the standard.
- Design the duct so that maintenance of the motor is possible.
- When the length of the duct is long, provide support material at suitable intervals.

■ DUCT INSTALLATION PROCEDURE

(Unit : mm)

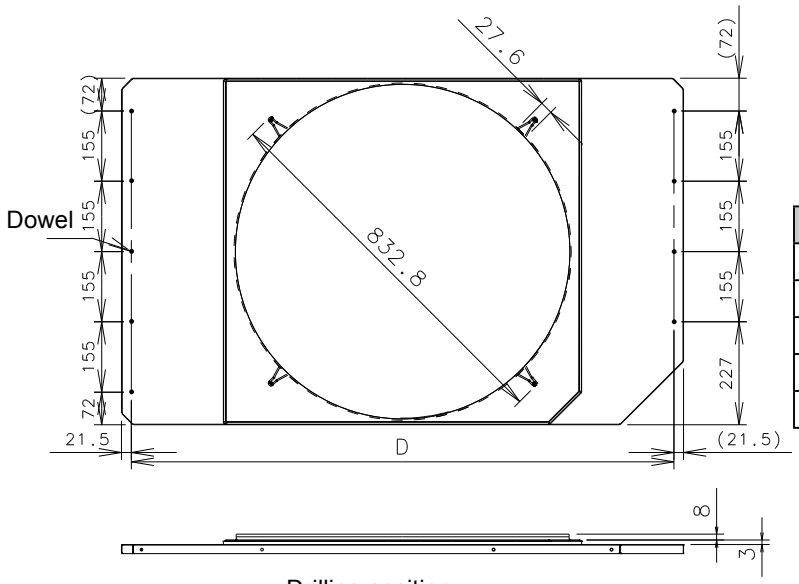


Example of Installation

- Remove the top panel from the cabinet, and make a ø6mm hole in each dowel of the top panel. (9 dowels in total of the right and left ones)
- After drilling a hole in the dowel of the top panel, fasten the duct to the ø5 tapping screw size hole at the bottom.

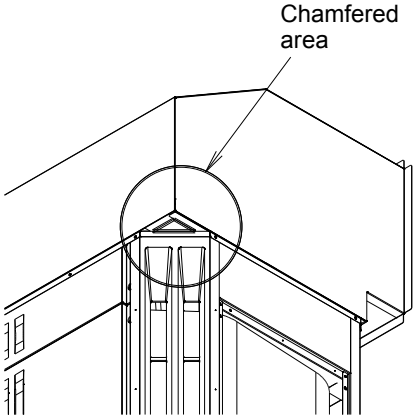
⚠ Caution

- Use ø5 tapping screws having a thread length of 10 to 20 mm.
- Do not make holes anywhere other than the dowels.
- Otherwise, damage to the internal parts will cause performance degradation or trouble.



Drilling position

Model name	Dimension D
AJ∗A72LALH	886
AJ∗A90LALH	
AJ∗108LALH	
AJ∗126LALH	1196
AJ∗144LALH	



⚠ Caution

- Presence of a gap in the junction may cause performance degradation.
- Cover to close a gap(s).
- To prevent an air leakage, close a gap in the chamfered area with a steel plate or the like.

3-10-2. SNOW HOOD

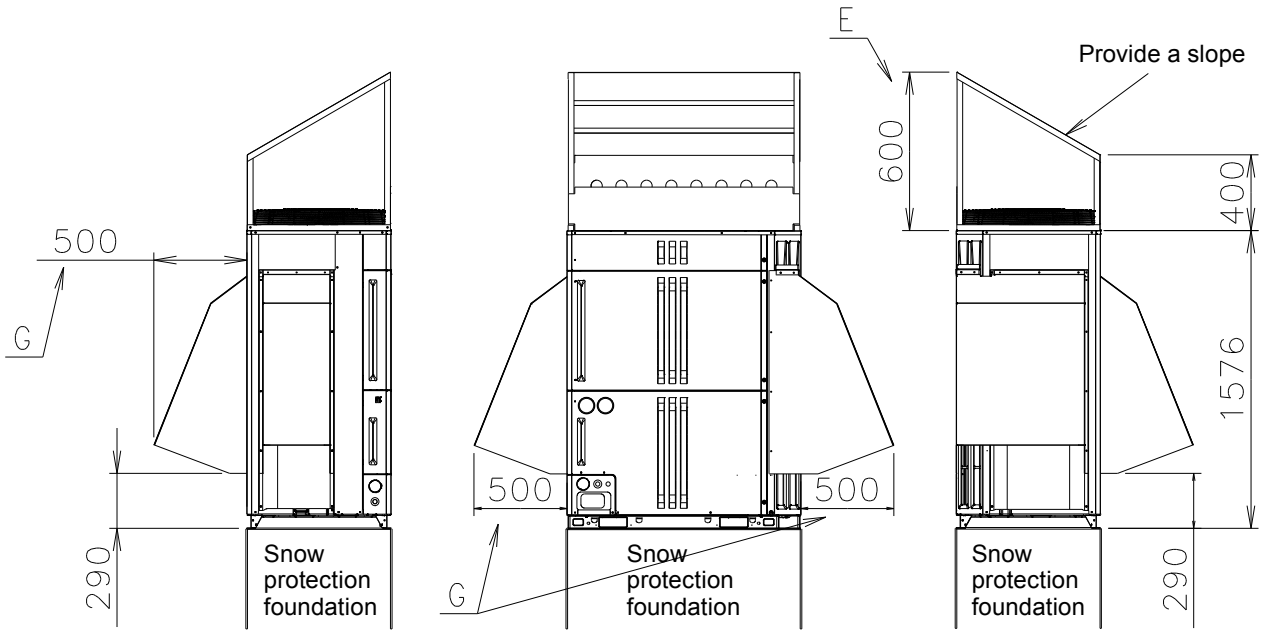
(Unit : mm)

In cold or snowy area, install inlet and outlet hood in order to maintain stable operation and avoid snow damage.

■ PRECAUTION

- All the components or parts such as the snow hood, frame, and screws are to be locally procured.
- Before snow hood installation, snow protection foundation must be installed as shown bellow.
- Height of snow protection foundation should be at least twice higher than expected snow accumulation. Width of foundation should not be exceed the unit.
- Do not install the snow hood not to blow directly against to the hood.
- Note that installation of the snow hood increases the height of the cabinet.
- If space for cabinet installation is tight because of the consecutive installation of equipment, install the snow hood before the cabinet.
- Install so that the static pressure of the air flow path, including the snow hood is 80Pa or less.
- When the snow hood is installed, the noise may become louder.

■ EXAMPLE OF INSTALLING SNOW HOOD



⚠ Caution

- Make the width G of the side of the snow hood 500mm or greater.
- Provide an ample slope so that snow will not accumulate on the top of the snow hood. At this time, do not make the direction of the slope such that the front becomes the bottom so that the snow will not fall off at the front.
- Make the front opening section E of the snow hood 600mm or greater.

(Unit : mm)

■ SNOW HOOD INSTALLATION PROCEDURE

● Installing the upper part of snow hood

- The upper part of snow hood can be installed in the same manner as for the duct. For details such as where to fix it, see the duct installation procedure.
- Using the fixing positions on the top panel, install the components such as the frame, column, front panel, top panel, and rear panel.

● Installing the sides of snow hood

- Before starting snow hood installation, remove the screws from the external net to remove the net.
- Install the snow hood, using the screw holes shown in the figure on the next page.
- Remove the screws from where circles are marked in the figure, and make a ø4.6mm hole in each dowel.

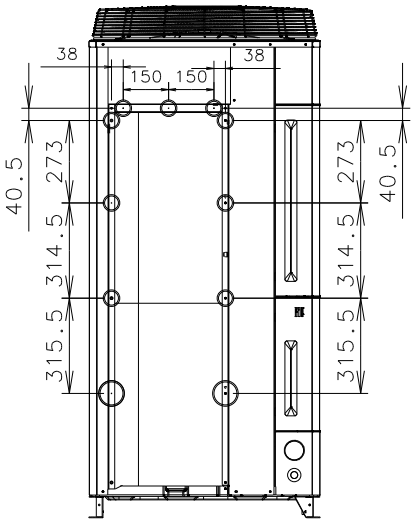
⚠ Caution

- Use ø5 tapping screws having a thread length of 10 to 20mm.
- Do not remove any screws from where a circle is not marked.
- Do not make a hole in the dowels where a circle is not marked. Otherwise, damage to the internal parts will cause performance degradation or trouble.

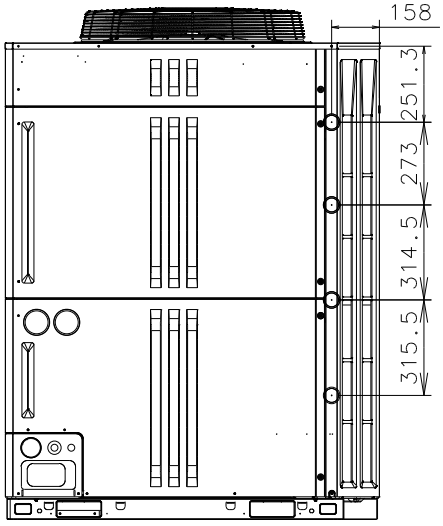
OUTDOOR UNITS

(Unit : mm)

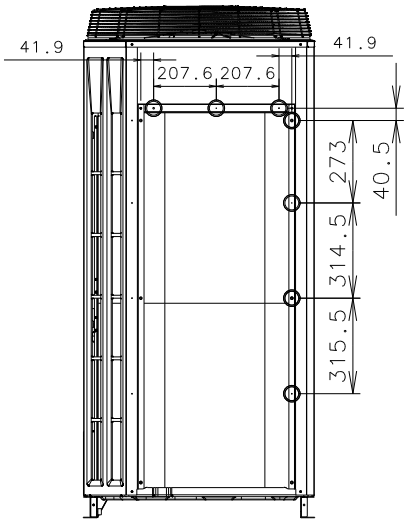
■ SCREW POSITIONS ON THE SIDES OF SNOW HOOD



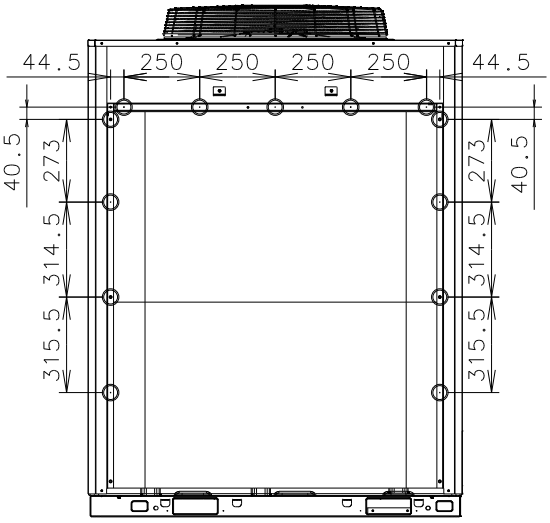
Left-side View



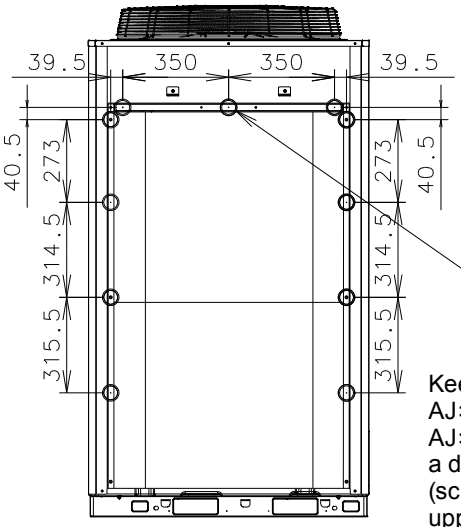
Front View



Right-side View



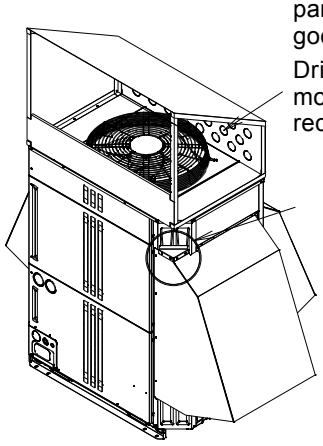
Rear View
(AJ∗126,144)



Rear View
(AJ∗A72,90,108)

Keep in mind that the AJ∗126,144LALH and AJ∗A72,90,108LALH have a different number of screws (screw positions) only in the upper part of the rear.

■ NOTES ON INSTALLING SNOW HOOD



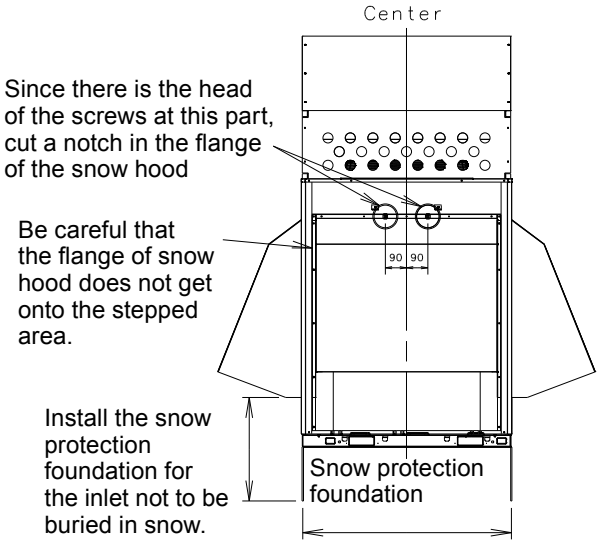
Make holes in the rear panel so as to provide good ventilation.

Drilling holes in 20% or more of the rear panel is recommended.

Chamfered area

Notch the upper part of snow hood so that it can be mounted in place avoiding the column.

Cover with a plate so there is no gap.



To avoid snow accumulation on the snow protection foundation, make the foundation as wide as the cabinet.

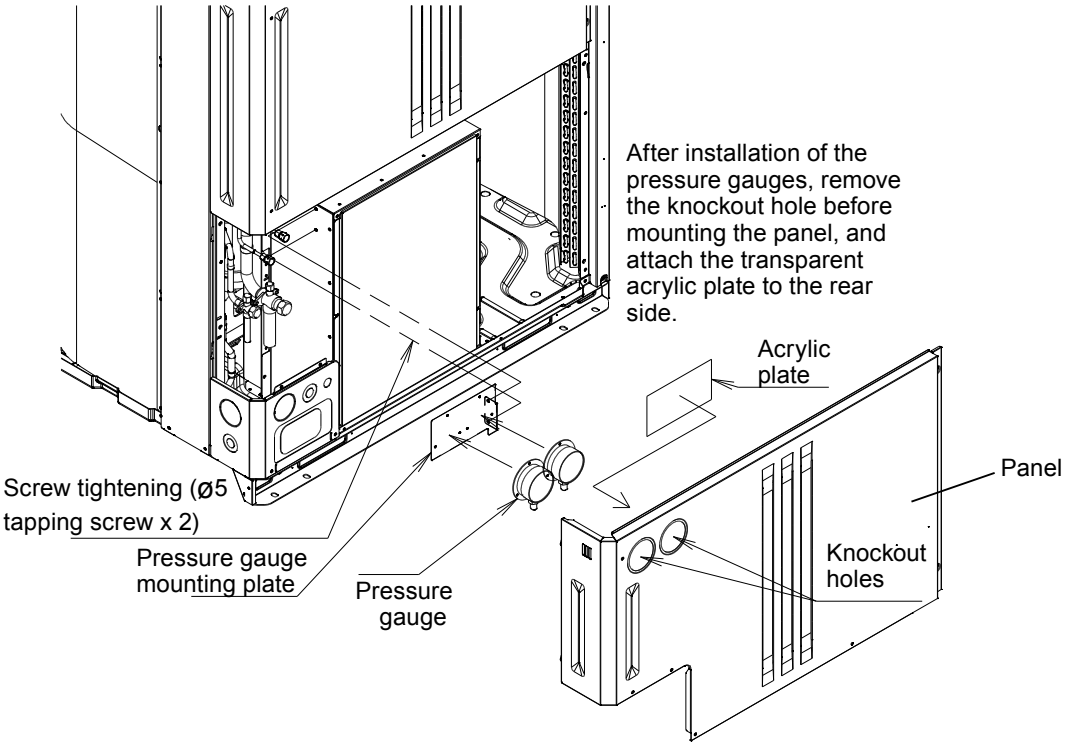
3-10-3. PRESSURE GAUGE

(Unit : mm)

■ HOW TO INSTALL PRESSURE GAUGE

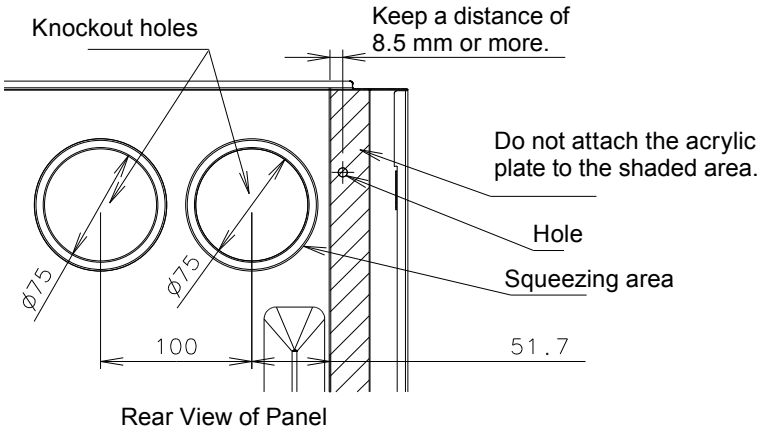
- Note that all the components or parts such as the two pressure gauges, mounting plate, acrylic plate, double-stick tape, and capillary tubes are to be locally procured.

Remove the panel as shown in the figure below, and install the pressure gauges.



● Attachment of Transparent Acrylic Plate

Prepare a transparent acrylic plate, and attach the acrylic plate with thick double-stick tape in order to completely close the knockout holes.



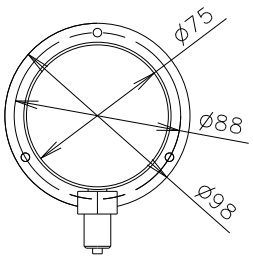
Rear View of Panel

⚠ Caution

- If a gap is made when the transparent acrylic plate is attached, it will cause water inflow. To prevent this problem, firmly attach the acrylic plate.
- The acrylic plate must be attached to the area on the left of the shaded area.

(Unit : mm)

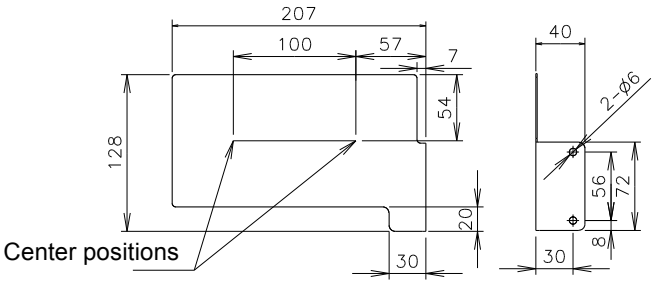
■ PRESSURE GAUGES (RECOMMENDED)



⚠ Caution

- Use a pressure gauge having an outside diameter (including the mounting part) of ø98 or less and a gauge diameter of ø75 or less
- Measuring ranges of the pressure gauges:
  High-pressure side: 0 to 5 MPa
  Low-pressure side: 0 to 3.5 MPa
  However, it is recommended that both pressure gauges should be designed for a measuring range 0 to 5 MPa

■ PRESSURE GAUGE MOUNTING PLATE

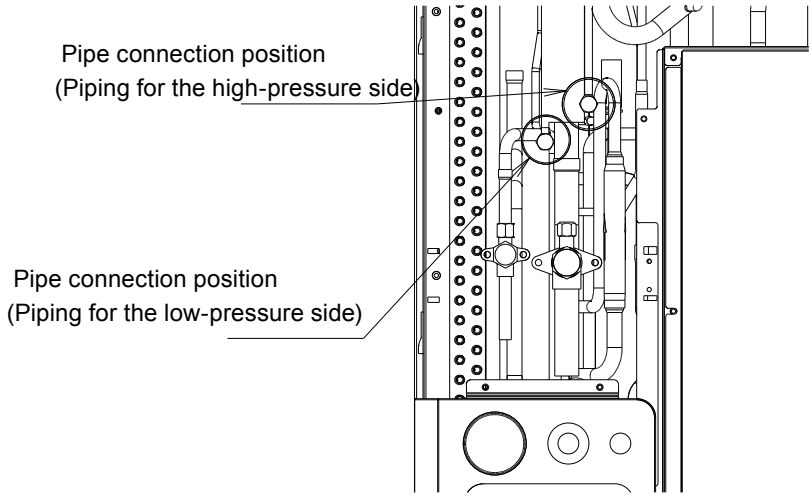


⚠ Caution

- Use a pressure gauge mounting plate of the above outside dimensions.
- The mounting plate must be thick enough to endure the weights of the pressure gauges.
- Make mounting screw holes in accordance with each pressure gauge.
- Each pressure gauge must be installed at the center position shown above

■ PRESSURE GAUGE PIPE CONNECTION POSITIONS

Connect each pressure gauge with the pipe at the connection position shown in the figure.



⚠ Caution

- The connection position is 1/2-20UNF (5/16”) male flare (with valve core).
- Using a 1/2-20UNF (5/16”) female flare (with valve core) R410A refrigerant charge hose, capillary tube, etc. (something that can amply withstand a pressure of 5MPa), fasten while being careful that unreasonable stress is not applied to the pressure gauge and the base of the connection piping. At this time, pump down the inside of the hose to a vacuum.
- Connect positively so that there is no refrigerant leakage after installation.

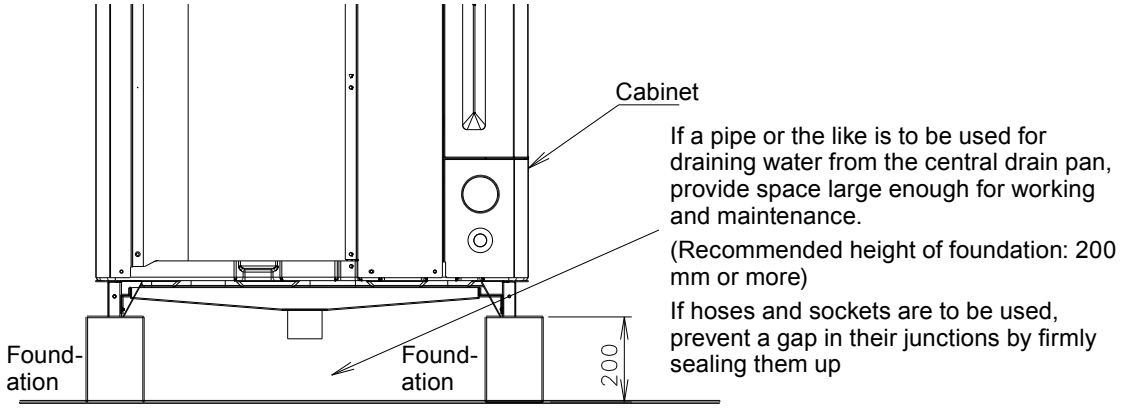
OUTDOOR UNITS

3-10-4. CENTRAL DRAIN PAN

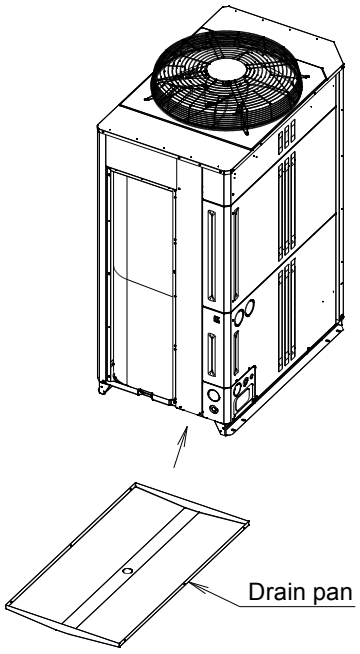
(Unit : mm)

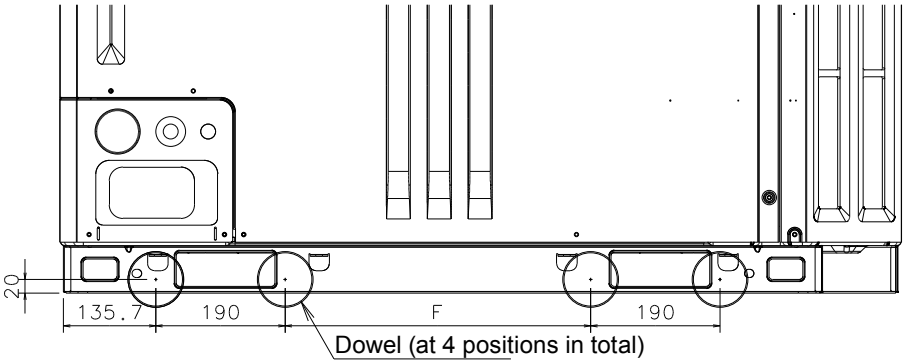
■ HOW TO INSTALL CENTRAL DRAIN PAN

- All the components/parts such as the central drain pan and metal fittings are to be locally procured.
- Note that the refrigerant pipe cannot be come out of the bottom.
- Do not mount the unit on an object which must not be wetted.
- When humidity is high or the drain outlet is clogged, dew drops may fall from the central drain pan.
- Do not use the central drain pan in a cold region where the drain pipes may be frozen.
- If hoses or sockets are to be used during installation, install the foundation as shown in the figure below.
- Do not use in cold regions. The drain pipe may freeze.



■ DRAIN PAN INSTALLATION PROCEDURE





Model name	Dimension F
AJ∗A72LALH	139
AJ∗A90LALH	
AJ∗108LALH	
AJ∗126LALH	449
AJ∗144LALH	

First make screw holes in the dowels of base feet in the above figure. (8 dowels in total of the front and rear ones)

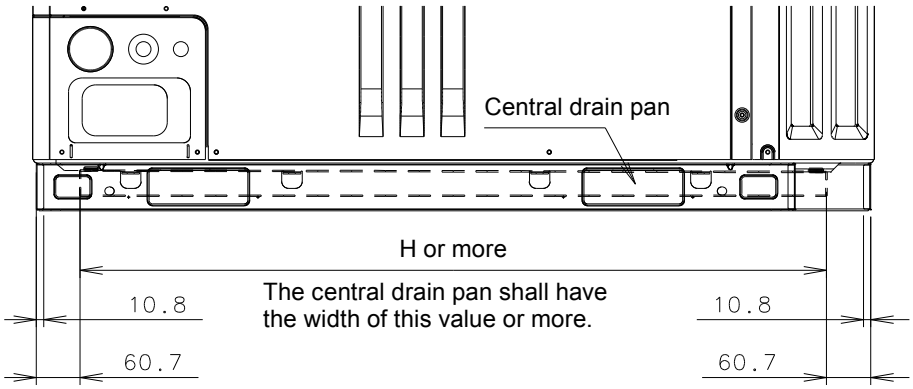
Secure the central drain pan by tightening the screws into the holes.

OUTDOOR UNITS

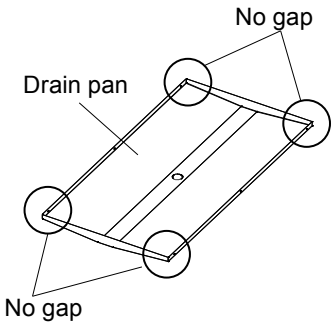
(Unit : mm)

■ NOTES ON INSTALLING CENTRAL DRAIN PAN

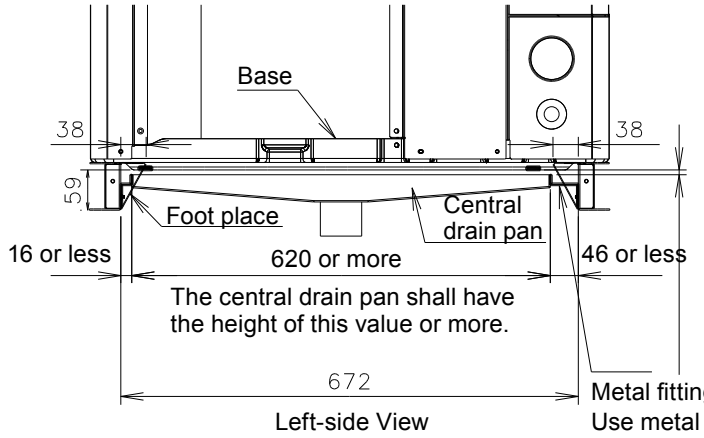
- Make sure to design and install drain pan to cover the all drain hole on base completely.
- The gap between drain pan and base should be less than 2mm.
- Be careful of the foot place during the working or design process.
- If the foundation or foot place makes working difficult, the metal fittings should be used as shown below.
- Keep in mind that a drain pan not having the recommended outside dimensions can cause a water leakage or cannot be installed.
- Gaps other than the drain holes cause a water leakage. Completely close all the gaps in the bottom and sides by welding.



Front View



Model name	Dimension H
AJ∗A72LALH	795
AJ∗A90LALH	
AJ∗108LALH	
AJ∗126LALH	1105
AJ∗144LALH	



Left-side View

Refrigerant R410A
INVERTER

AIRSTAGE™ V-II
Variable Refrigerant Flow System

4. INDOOR UNITS

4-1. FEATURES

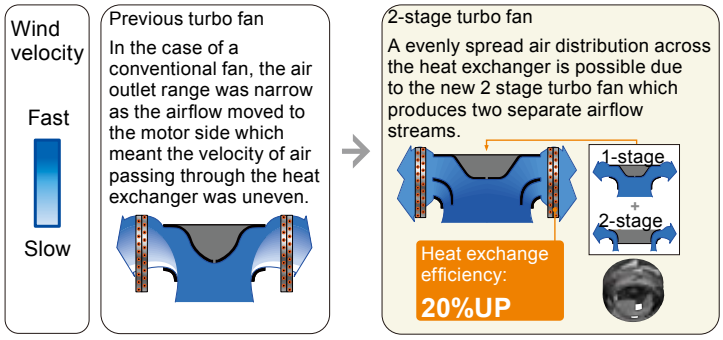
4-1-1. COMPACT CASSETTE TYPE

■ MODELS : AUXB07, AUXB09, AUXB12, AUXB14, AUXB18, AUXB24

■ FEATURES

● 2-stage turbo fan

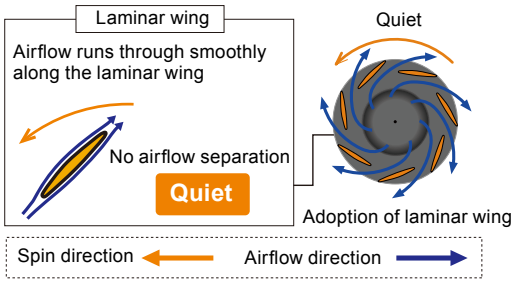
High efficiency design by 2 stage structure



● Quiet quality

Optimization of wing form (laminar wing type) and wing number (7 blades each)

Designed by CFD-analysis (fluid) simulations



● Easy maintenance

①Maintenance of fan motor and fan

Maintenance of the fan motor and fan can be done easily after taking off the panel as the bell mouth of the fan can be removed easily.

A : Fan motor B : 2-stage turbo fan

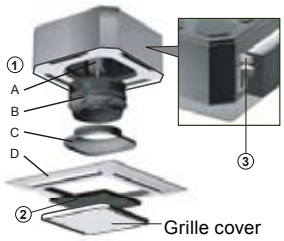
C : Bell-mouth D : Panel

②Long life filter

: standard equipment

③Adaptation of transparent drainage parts

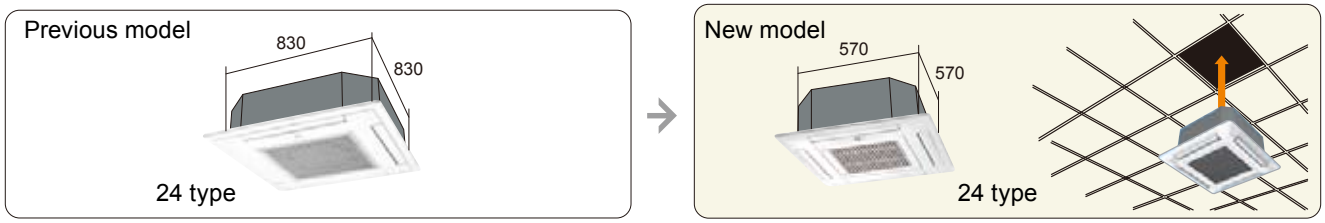
During installation, maintenance and operation, the drain pump and kit can be checked easily.



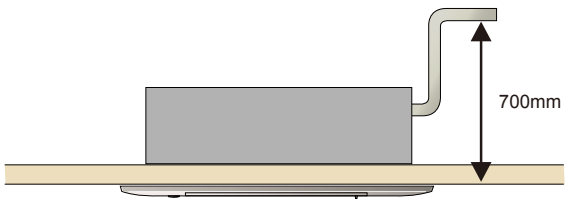
● Compact design

Worlds first 24,000Btu model in the compact cassette category

(Easy installation by taking off ceiling panel of 600 x 600 size)



● High lift drain pump



● Optional parts

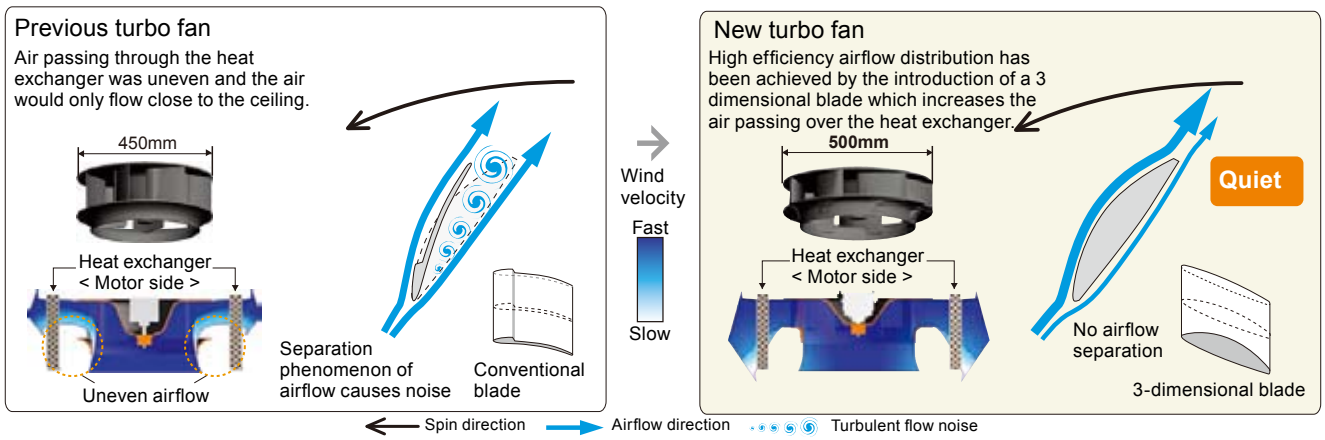
- Air Outlet Shutter Plate : UTR-YDZB
- Insulation Kit for High Humidity : UTZ-KXGC

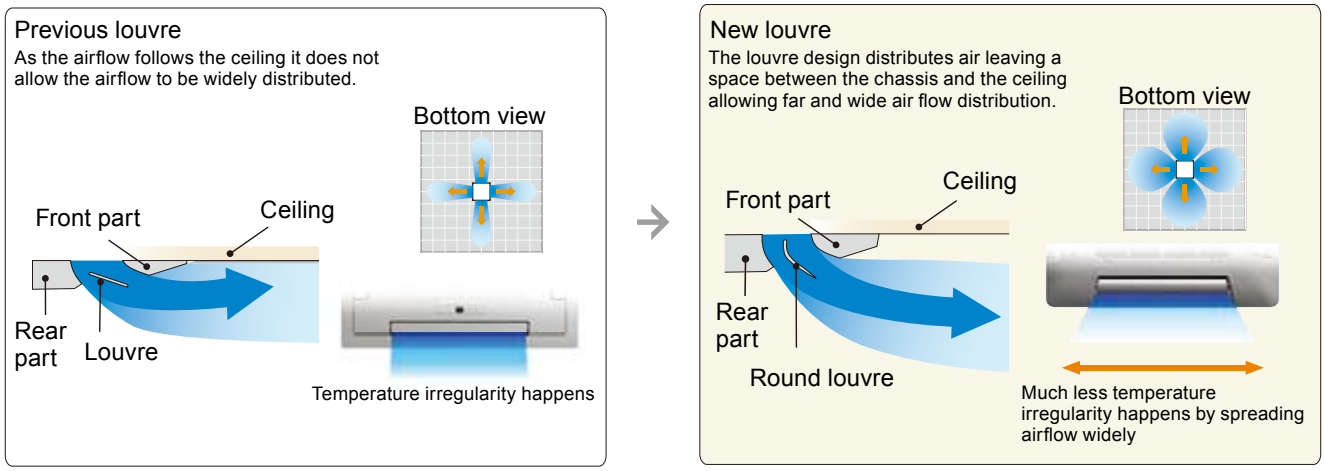
4-1-2. CASSETTE TYPE

■ MODELS : AUXD18, AUXD24, AUXA30, AUXA36, AUXA45, AUXA54

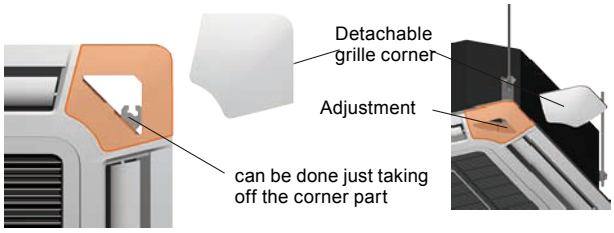
■ FEATURES

● High efficiency turbo fan with 3-dimensional blade

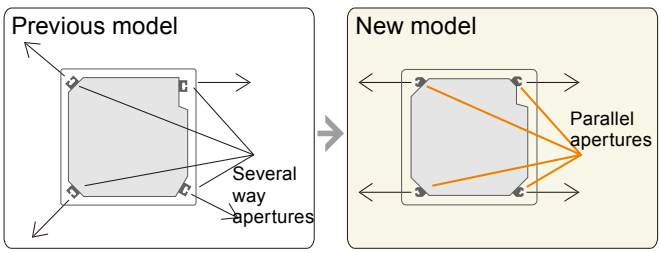




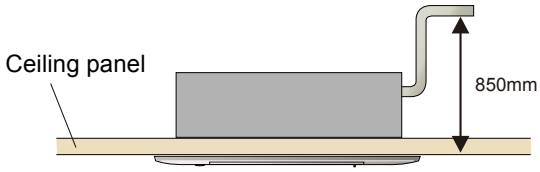
● Adjustment of hanger position is possible after installation



● One way aperture installation



● High lift drain pump



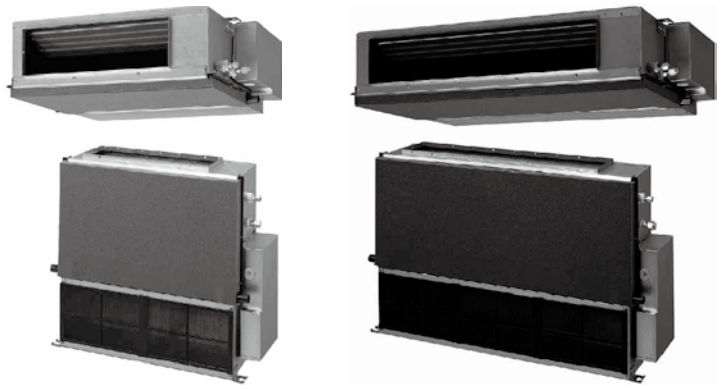
● Optional parts

- IR Receiver Unit : UTY-LRH∗B1
- Air Outlet Shutter Plate : UTY-YDZC
- Panel Spacer : UTG-BGYA-W
- Wide Panel : UTG-AGYA-W
- Insulation Kit for High Humidity
  : UTZ-KXGA(for AUXA30-54)
  : UTZ-KXGB(for AUXD18,24)

INDOOR UNITS

4-1-3. COMPACT DUCT TYPE

■ MODELS : ARXB07, ARXB09, ARXB12, ARXB14, ARXB18



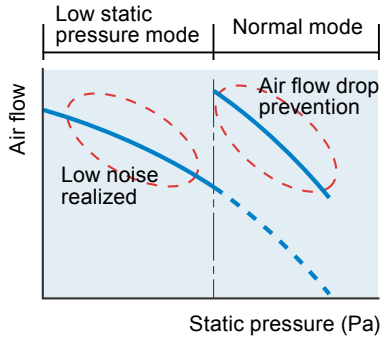
Small and compact indoor unit suitable for many applications.

■ FEATURES

● Low noise level

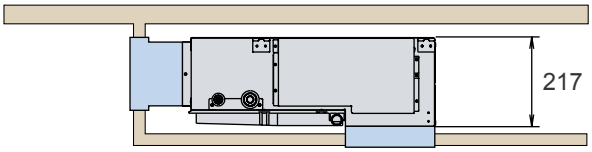
A low noise level has been achieved for each capacity.

Model		7	9	12	14	18
Static pressure (Normal / Max.)	Pa	25 / 50				
Noise level (Low speed)	dB(A)	24	27	25	30	30



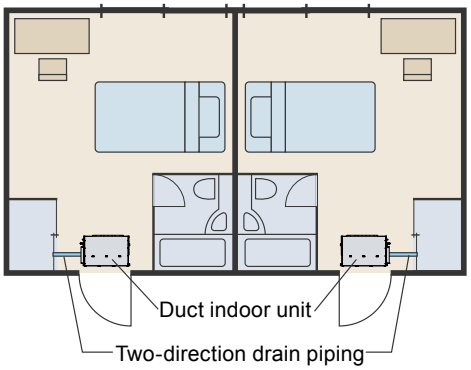
● Compact design

Ultra-slim duct air conditioner for easy installation.



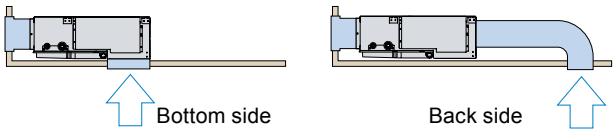
Slim size (217mm) allows installation even where the space behind the ceiling is narrow.

● Two-direction drain piping

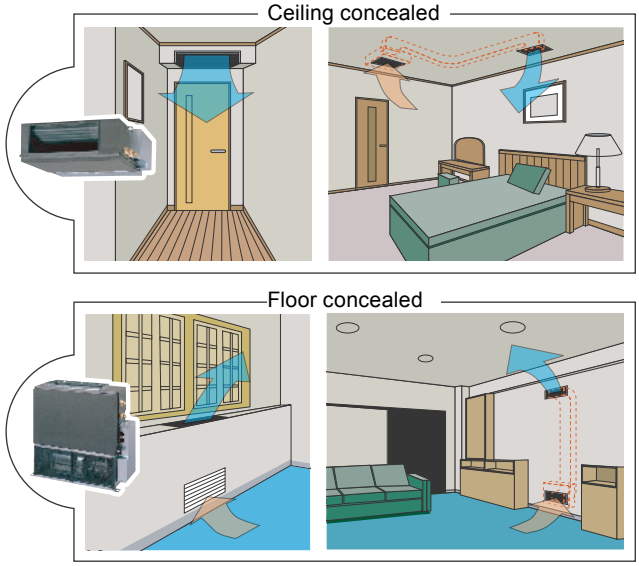


● Air - intake

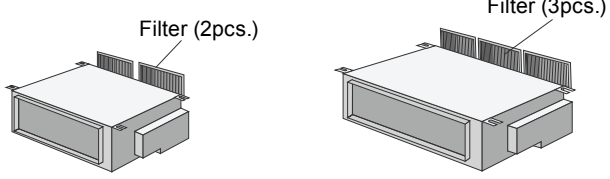
Air intake direction can be selected to match the installation site.



● Flexible installation



● Filter (Accessory)



● Optional parts

Remote sensor unit	UTD - RS100
IR Receiver unit	UTB - ∗WB
Drain pump unit	UTZ-PX1BBA

4-1-4. LOW STATIC PRESSURE DUCT TYPE

■ MODELS : ARXB24, ARXB30, ARXB36, ARXB45

Indoor units suitable for quiet rooms such as a hotel or a bedroom.

4-1-5. DUCT TYPE

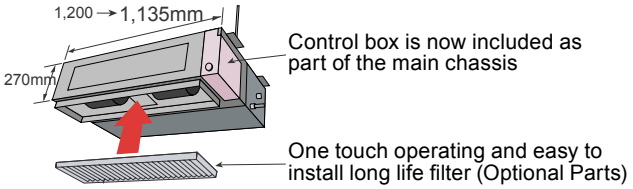
■ MODELS : ARXA24, ARXA30, ARXA36, ARXA45

Slim compact design allows for easy installation in narrow ceiling spaces up to 270mm.

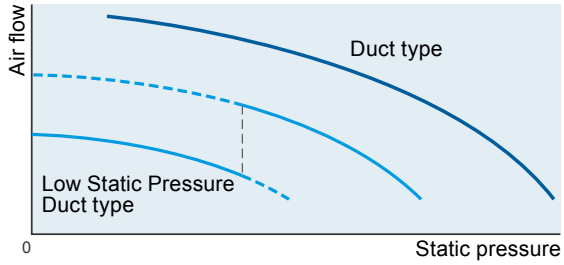
■ FEATURES

● Slim & Compact design

In the case of bottom return air connection, not only does the indoor unit design allow for installation in a narrow ceiling space of up to 270mm, Further space savings have been achieved by mounting the electrical control box internally inside the chassis.



● Line-up of low-noise and high-power models, compatible with a wide range of static pressure

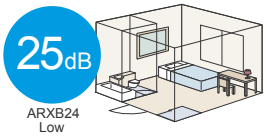


Low Static Pressure Duct type

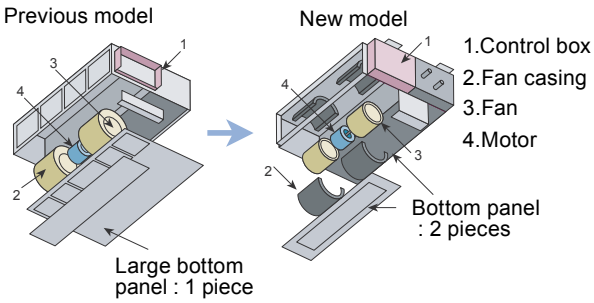
Optimum model for hotels or bedrooms
An ultra low-noise model that achieves a quiet interior.
Perfect for hotels or bedrooms with limited air duct installation space.
Two different levels can be selected according to the static pressure range.

Duct type

Powerful model with a flexible design.
With a powerful motor appropriate for a wide range of static pressure.
Flexible air duct installation is possible in a large space such as an office.



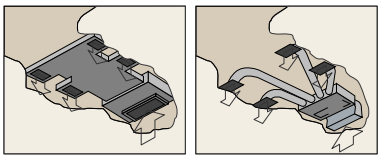
● Easy maintenance



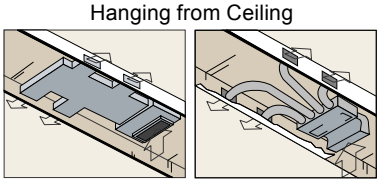
Structural improvement is attained by making the bottom panel two pieces, front and rear. The internal fan casing is also manufactured in two pieces, namely upper and lower. The maintenance of the motor and fan can be easily carried out by removing the rear panel and the lower part of the casing while leaving the main chassis installed.

● Installation styles

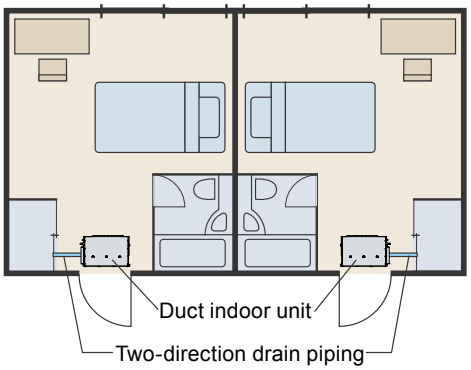
Embedded in Ceiling



Hanging from Ceiling



● Two-direction drain piping



● Optional parts

Remote sensor unit	UTD - RS100
Long life filter	UTD - LF25NA
Flange (Square)	UTD - SF045T
Flange (Round)	UTD - RF204
IR receiver unit	UTB - ✶WB
Drain pump unit	UTZ-PX1NBA

INDOOR UNITS

4-1-6. HIGH STATIC PRESSURE DUCT TYPE

■ MODELS : ARXC36, ARXC45, ARXC60, ARXC72, ARXC90

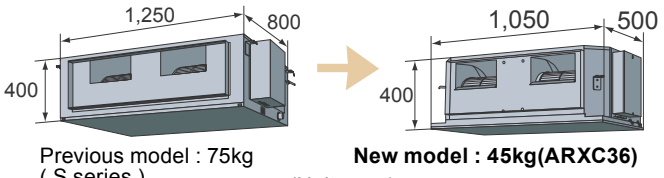
These indoor units allow for high airflow quantities.

■ FEATURES

● Easy installation (Compact size & Lightweight)

Model : ARXC36

A compact size and lightweight indoor unit has been developed by reducing the basic chassis and the overall material weight.



Previous model : 75kg
(S series)

New model : 45kg(ARXC36)

(Unit : mm)

Volume 47.5% do wn

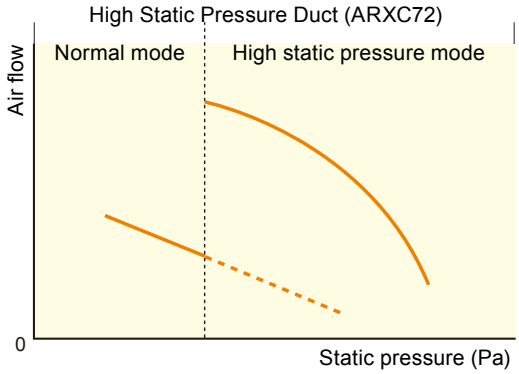
Weight 40% do wn

● Static pressure selection : ARXC72/ARXC90

Model : ARXC72 / ARXC90

Max. 300Pa

2 types of static pressure mode are selectable.



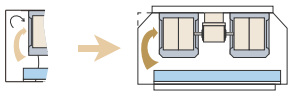
The adoption of a single phase fan motor allows 3 steps fan speed control

● Low noise

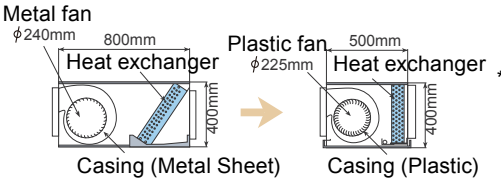
Models : ARXC36 / ARXC45 / ARXC60

Conventional model

New model (ARXC36)



Cutting off the corners of the conventional indoor unit front panel and fan casing, has enabled less turbulent air flow. Low noise is realized by adopting a plastic case and a plastic fan.



Casing (Metal Sheet)

Previous model :
(S series)
Metal fan [53.1dB(A)]

Casing (Plastic)

New model :
Plastic fan [45dB(A)]
(ARXC36)

*Model : Material (At 100Pa : Actual noise measurement value)

● Optional parts

Long-life filter UTD - LK60KA
(For ARXC36 / 45 / 60)

IR receiver unit UTB - ∗WB

Remote sensor unit UTD - RS100

INDOOR UNITS

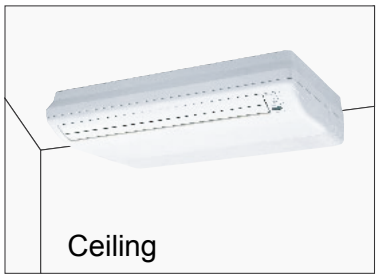
4-1-7. FLOOR / CEILING TYPE

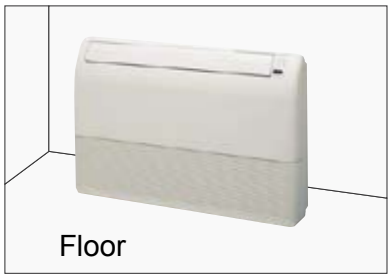
■ MODELS : AB∗A12, AB∗A14, AB∗A18, AB∗A24

The slim and lightweight design allows the unit to be suspended from the ceiling or installed on the floor. This type suits many room designs.

■ FEATURES

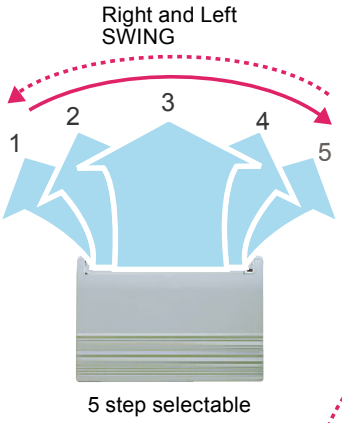
● Flexible installation



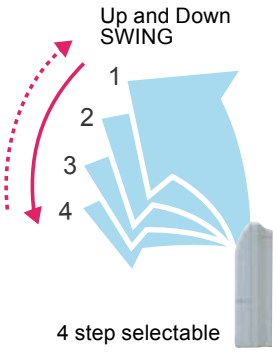


● Double auto swing

A combination of up / down and right / left directional swing allows three-dimensional air direction control.



5 step selectable



4 step selectable

● Super vane

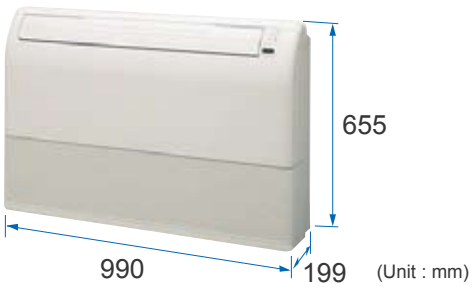
Double Louvre Super vane with newly developed special configuration boosts airflow sending cool air quickly to every corner of the room.

● Auto-closing louvre

When operation is stopped, the louvres will automatically close. (This function is available on all non-ducted models.)

● Compact design

Symmetrical, slim and compact design.



(Unit : mm)

4-1-8. CEILING TYPE

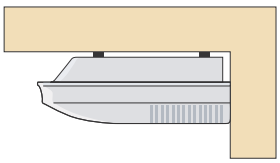
■ MODELS : AB∗A30, AB∗A36, AB∗A45, AB∗A54

Easily concealed in any installation.

■ FEATURES

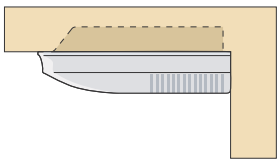
● Installation

Open



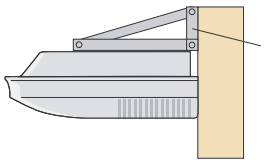
General installation pattern which suspends the indoor unit from the ceiling.

Concealed



Installation pattern where part of the indoor unit is embedded into the ceiling.

Wall mounted

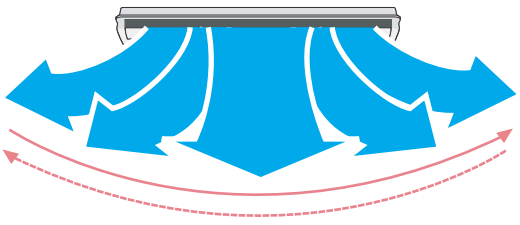


Installation which fixes the indoor unit to the wall by the use of wall brackets (Field supplied). This type of installation can be used when the ceiling space is insufficient.

● Double auto swing and wide airflow

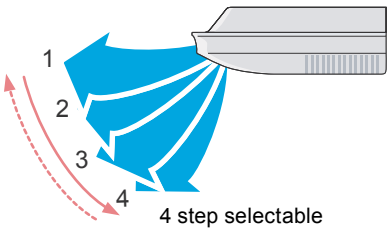
Auto airflow direction and auto swing.

Right and Left



5 step selectable

Up and Down

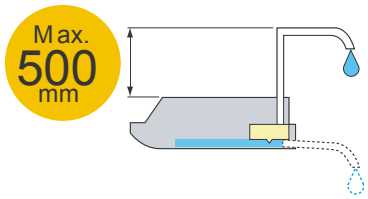


4 step selectable

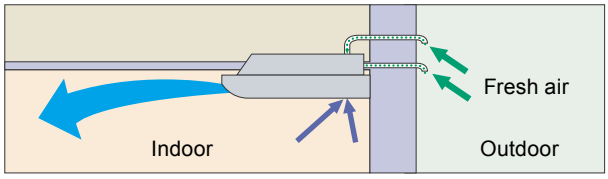
● Slim & Compact design

● Condensate lift-up mechanism (Option)

Optional drain lift-up mechanism allows flexible installation.

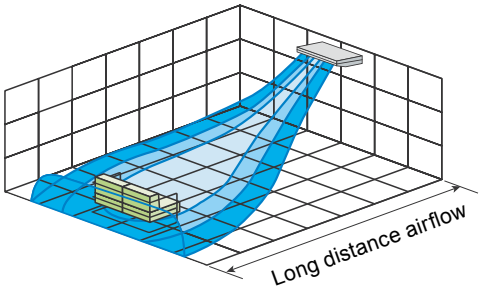


● Fresh air intake



● Long airflow

Long airflow ensures comfort to every corner of a large room.



● Long-life filter

High efficiency long-life filter doubles the life of the filter compared to standard filters.

● Optional parts

Drain pump unit UTR-DPB24T

INDOOR UNITS

4-1-9. COMPACT WALL MOUNTED TYPE

■ MODELS : AS∗A07, AS∗A09, AS∗A12, AS∗A14 (EEV internal model)

■ MODELS : AS∗E07, AS∗E09, AS∗E12, AS∗E14 (EEV external model)

Compact and Stylish design indoor

■ FEATURES

● Filter features

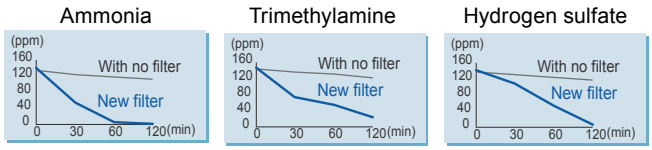
High quality air conditioning by incorporation of high performance filter.

Apple-catechin filter
Fine dust, invisible mold spores, and harmful microorganisms are absorbed onto the filter by static electricity, and further growth is inhibited and deactivated by the polyphenol ingredient extracted from apples.

Long-life* Ion deodorization filter
The filter deodorizes by powerfully decomposing absorbed odors using the oxidizing and reducing effects of ions generated by the ultra-fine particle ceramic.

*The filter can be used for approximately 3 years if it is washed under water to restore its surface action when it is dirty.

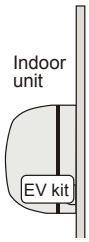
Deodorizing effect (Odor reduction rate)



Testing organization : Environmental Sanitary Inspection Center Test method : Deodorization Test

● Low noise

26dB
(AS*E07/09)



Electronic Expansion valves are built-in allowing for easy installation.
(AS∗A07-14 TYPE)

For installation to places that require additional low noise, select the external electronic expansion valve type.
(AS∗E07-14 TYPE)

● Compact size

Powerful output in even compact design

Though the indoor unit is compact, it features a large, high pressure cross fan (90mm diameter) in a centre mounted configuration and a Lambda type heat exchanger to provide plenty of power.

Width 790 mm

● Symmetrical design

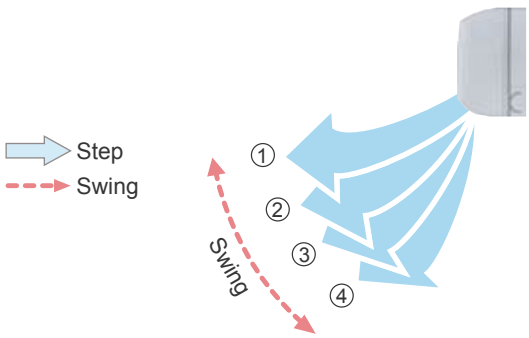
Symmetrical, clean design that suits all interiors.

● New style high power DC fan motor

- High power
- Wide rotatition range
- High efficiency
- Compact size

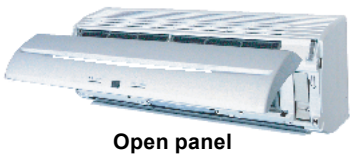
● Auto swing louvre

The Auto Swing Louvre function ensures that the air direction corresponds to the mode selected.



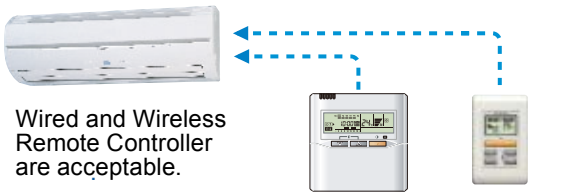
● Easy maintenance

Easy maintenance has been realized as the front panel can removed for easy access.



Open panel

● Wired control compatible



Wired and Wireless Remote Controller are acceptable.

4-1-10. WALL MOUNTED TYPE

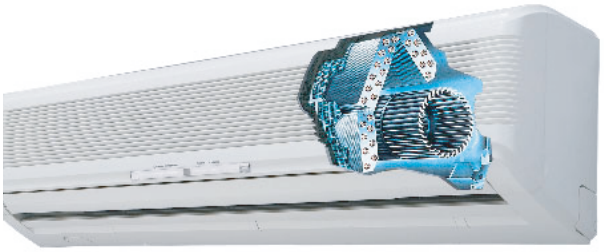
■ MODELS : AS∗A18, AS∗A24, AS∗A30

Double auto swing louver provides pleasant air flow to every corner of the room.

■ FEATURES

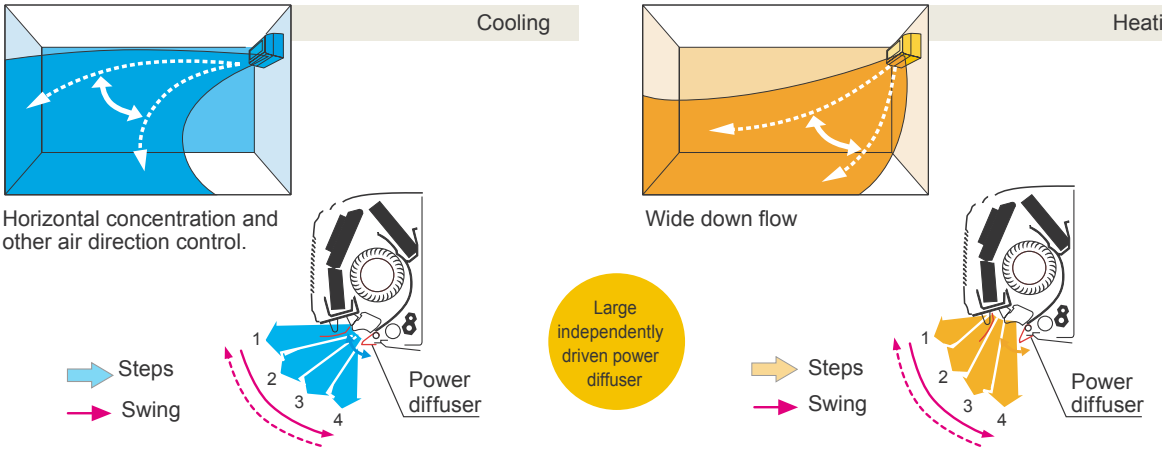
● Powerful output in spite of small size

Though the indoor unit is compact, it features a large, high pressure cross fan (107mm diameter) in a center mounted configuration and a lambda type heat exchanger to provide plenty of power.
The extra long diffuser provides a wide outflow opening for air.
This ensures a large air outflow volume over a wide area to cool or heat all areas of the room.



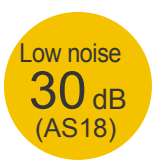
● Multi air flow

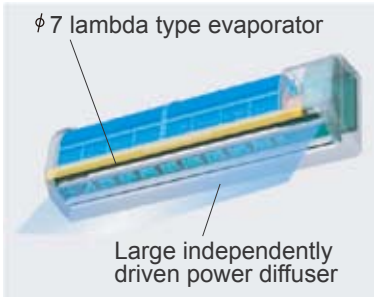
Large independently driven power diffuser used.



● Low noise

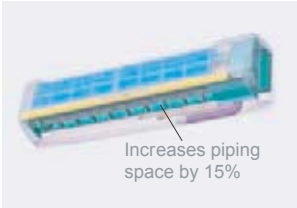
High efficiency fan construction
►ø7mm Lambda type evaporator improves the airflow path.
Large independently driven power diffuser.





● Easy installation

Expanded work space at bottom of casing increases piping space by 15%.



● Others

- Double auto swing
- 2-way draining route

INDOOR UNITS

4-2. SPECIFICATIONS

4-2-1. COMPACT CASSETTE TYPE

Model name				AUXB07LALH	AUXB09LALH	AUXB12LALH	AUXB14LALH	AUXB18LALH	AUXB24LALH
Power source				230V ~ 50Hz					
Available voltage range				198 to 264 V					
Capacity	Cooling		kW	2.2	2.8	3.6	4.5	5.6	7.1
	Heating			2.8	3.2	4.1	5.0	6.3	8.0
Input power			W	25	25	29	35	36	84
Fan	Airflow rate	High	m^3 / h	540	550	600	680	710	1,030
		Med		450	450	530	590	580	830
		Low		350	350	390	390	400	450
	Type x Quantity			Turbo × 1					
	Motor output		W	54					
Sound pressure level	High		dB(A)	34	35	37	38	41	50
	Med			30	30	34	34	35	44
	Low			25	25	27	27	27	30
Heat exchanger	Length		mm	1,280				1,310	
	Fin pitch			1.20				1.30	
	Rows x Stages			2 × 10				3 × 10	
	Face Area		m^2	0.27				0.28	
	Pipe type (Material)			Grooved H-pin (Copper)					
	Fin	Type (Material)		Slit(Aluminium)					
		Surface treatment		Hydrophilic coating					
Air filter	Type			Anti-mold					
	Net material			PP honeycomb					
Enclosure	Material			galvanized sheet iron					
	Colour			-					
Dimensions (H x W x D)	Net	Main body	mm	245 × 570 × 570					
	Gross			265 × 730 × 625					
Weight	Net		kg	15				17	
	Gross			18				20	
Connection pipe diameter	Liquid (Flare)		mm	ø 6.35				ø 9.52	
	Gas (Flare)			ø 12.70				ø 15.88	
	Drain			ø 25(I.D.) ; ø 32(O.D.)					
Grille (Option)	Model name			UTG-UFYC-W(FUJITSU brand); UTG-UFGC-W(GENERAL brand)					
	Colour			White (5Y 9/0.5NN)					
	Dimensions (H x W x D)	Net	mm	50 × 700 × 700					
		Gross		120 × 765 × 755					
	Weight	Net	kg	2.6					
		Gross		4.5					

Note : Specifications are based on the following conditions.
Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.
Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m.

INDOOR UNITS

4-2-2. CASSETTE TYPE

Model name				AUXD18LALH	AUXD24LALH
Power source				230V ~, 50Hz	
Available voltage range				198 to 264 V	
Capacity	Cooling		kW	5.6	7.1
	Heating			6.3	8.0
Input power			W	39	46
Fan	Airflow rate	High	m^3 / h	1,150	1,280
		Med		940	1,040
		Low		870	870
	Type x Quantity			Turbo × 1	
	Motor output		W	100	
Sound pressure level	High		dB(A)	36	38
	Med			30	33
	Low			29	29
Heat exchanger	Length		mm	2,082	
	Fin pitch			1.20	
	Rows x Stages			2× 10	
	Face Area		m^2	0.42	
	Pipe type (Material)			Grooved H-pin (Copper)	
	Fin	Type (Material)		Slit(Aluminium)	
		Surface treatment		Hydrophilic coating	
Air filter	Type			Anti-mold	
	Net material			PP honeycomb	
Enclosure	Material			galvanized sheet iron	
	Colour			-	
Dimensions (H x W x D)	Net	Main body	mm	246 × 840 × 840	
	Gross			318 × 960 × 980	
Weight	Net		kg	23	
	Gross			28	
Connection pipe diameter	Liquid (Flare)		mm	ø 9.52	
	Gas (Flare)			ø 15.88	
	Drain			ø 25(I.D.) ; ø 32(O.D.)	
Grille (Option)	Model name			UTG-UGYA-W(FUJITSU brand); UTG-UGGA-W(GENERAL brand)	
	Colour			White (5Y 9/0.5NN)	
	Dimensions (H x W x D)	Net	mm	50 × 950 × 950	
		Gross		115 × 1,020 × 1,000	
	Weight	Net	kg	5.5	
		Gross		8.5	

Note : Specifications are based on the following conditions.
Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.
Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m.

INDOOR UNITS

Model name				AUXA30LALH	AUXA36LALH	AUXA45LALH	AUXA54LALH
Power source				230V ~, 50Hz			
Available voltage range				198 to 264 V			
Capacity	Cooling		kW	9.0	11.2	12.5	14.0
	Heating			10.0	12.5	14.0	16.0
Input power			W	59	80	99	119
Fan	Airflow rate	High	m^3 / h	1,600	1,800	1,900	2,000
		Med		1,300	1,300	1,370	1,370
		Low		1,000	1,000	1,000	1,000
	Type x Quantity			Turbo × 1			
	Motor output		W	100			
Sound pressure level	High		dB(A)	40	44	46	47
	Med			38	38	39	39
	Low			31	31	31	31
Heat exchanger	Length		mm	2,082			
	Fin pitch			1.30			
	Rows x Stages			3 × 12			
	Face Area		m^2	0.52			
	Pipe type (Material)			Grooved H-pin (Copper)			
	Fin	Type (Material)		Slit(Aluminium)			
		Surface treatment		Hydrophilic coating			
Air filter	Type			Anti-mold			
	Net material			PP honeycomb			
Enclosure	Material			galvanized sheet iron			
	Colour			-			
Dimensions (H x W x D)	Net	Main body	mm	288 × 840 × 840			
	Gross			360 × 960 × 980			
Weight	Net		kg	27			
	Gross			33			
Connection pipe diameter	Liquid (Flare)		mm	ø 9.52			
	Gas (Flare)			ø 15.88	ø 19.05		
	Drain			ø 25(I.D.) ; ø 32(O.D.)			
Grille (Option)	Model name			UTG-UGYA-W(FUJITSU brand); UTG-UGGA-W(GENERAL brand)			
	Colour			White (5Y 9/0.5NN)			
	Dimensions (H x W x D)	Net	mm	50 × 950 × 950			
		Gross		115 × 1,020 × 1,000			
	Weight	Net	kg	5.5			
		Gross		8.5			

Note : Specifications are based on the following conditions.
Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.
Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m.

4-2-3. COMPACT DUCT TYPE

Model name				ARXB07LALH	ARXB09LALH	ARXB12LALH	ARXB14LALH	ARXB18LALH
Power source				230V ~, 50Hz				
Available voltage range				198 to 264 V				
Capacity	Cooling		kW	2.2	2.8	3.6	4.5	5.6
	Heating			2.8	3.2	4.1	5.0	6.3
Input power			W	46	55	63	90	96
Static pressure range			Pa	0 to 50				
Standard static pressure			Pa	25				
Fan	Airflow rate	High	m^3 / h	370	440	590	800	890
		Med		310	370	500	750	810
		Low		280	340	450	700	730
	Type x Quantity			Sirocco × 1		Sirocco × 2		
	Motor output		W	20	18	23	36	42
Sound pressure level	High		dB(A)	29	31	30	33	36
	Med			26	29	28	32	34
	Low			24	27	25	30	30
Heat exchanger	Length		mm	410		700		
	Fin pitch			1.30				
	Rows x Stages			2 × 14				
	Face Area		m^2	0.12		0.21		
	Pipe type (Material)			Grooved H-pin (Copper)				
	Fin	Type (Material)		Slit(Aluminium)				
		Surface treatment		Hydrophilic coating				
Air filter	Type			Anti-mold				
	Net material			PP honeycomb				
Enclosure	Material			galvanized sheet iron				
	Colour			-				
Dimensions (H x W x D)	Net		mm	217 × 663 × 595		217 × 953 × 595		
	Gross			324 × 785 × 686		324 × 1,075 × 686		
Weight	Net		kg	18		25		
	Gross			22		29		
Connection pipe diameter	Liquid (Flare)		mm	ø 6.35				ø 9.52
	Gas (Flare)			ø 12.70				ø 15.88
	Drain			ø 25(I.D.) ; ø 32(O.D.)				

Note : Specifications are based on the following conditions.
Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.
Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m.

INDOOR UNITS

4-2-4. LOW STATIC PRESSURE DUCT TYPE

Model name				ARXB24LATH	ARXB30LATH	ARXB36LATH	ARXB45LATH
Power source				230V ~, 50Hz			
Available voltage range				198 to 264 V			
Capacity	Cooling		kW	7.1	9.0	11.2	12.5
	Heating			8.0	10.0	12.5	14.0
Input power			W	145	198	253	338
Static pressure range			Pa	0 to 80			
Standard static pressure			Pa	40	50	50	60
Fan	Airflow rate	High	m^3 / h	1,100	1,410	1,710	1,970
		Med		920	1,280	1,600	1,790
		Low		810	1,150	1,470	1,670
	Type x Quantity			Sirocco ×2			
	Motor output		W	63	90	90	176
Sound pressure level	High		dB(A)	31	34	37	41
	Med			27	32	35	38
	Low			25	29	33	36
Heat exchanger	Length		mm	1,000			
	Fin pitch			1.40			
	Rows x Stages			3 × 14	4 × 14		
	Face Area		m^2	0.29			
	Pipe type (Material)			Grooved H-pin (Copper)			
	Fin	Type (Material)		Slit(Aluminium)			
		Surface treatment		Hydrophilic coating			
Air filter (Option)	Model name			UTD-LF25NA			
	Type			Fungicide type			
	Net material			PP honeycomb			
Enclosure	Material			galvanized sheet iron			
	Colour			-			
Dimensions (H x W x D)	Net		mm	270 × 1,135 × 700			
	Gross			300 × 1,320 × 790			
Weight	Net		kg	43	45		
	Gross			50	52		
Connection pipe diameter	Liquid (Flare)		mm	ø 9.52			
	Gas (Flare)			ø 15.88		ø 19.05	
	Drain			ø 25(I.D.) ; ø 32(O.D.)			

Note : Specifications are based on the following conditions.
Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.
Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m.

INDOOR UNITS

4-2-5. DUCT TYPE

Model name				ARXA24LATH	ARXA30LATH	ARXA36LATH	ARXA45LATH
Power source				230V ~, 50Hz			
Available voltage range				198 to 264 V			
Capacity	Cooling		kW	7.1	9.0	11.2	12.5
	Heating			8.0	10.0	12.5	14.0
Input power			W	190	188	312	312
Static pressure range			Pa	30 to 150			
Standard static pressure			Pa	100			
Fan	Airflow rate	High	m^3 / h	1,280	1,280	1,720	1,720
		Med		1,210	1,210	1,670	1,670
		Low		1,130	1,130	1,600	1,600
	Type x Quantity			Sirocco × 2			
	Motor output		W	90		176	
Sound pressure level	High		dB(A)	38	40	43	43
	Med			36	38	41	41
	Low			34	36	39	39
Heat exchanger	Length		mm	1,000			
	Fin pitch			1.40			
	Rows x Stages			3 × 14	4 × 14		
	Face Area		m^2	0.29			
	Pipe type (Material)			Grooved H-pin (Copper)			
	Fin	Type (Material)		Slit(Aluminium)			
		Surface treatment		Hydrophilic coating			
Air filter (Option)	Model name			UTD-LF25NA			
	Type			Fungicide type			
	Net material			PP honeycomb			
Enclosure	Material			galvanized sheet iron			
	Colour			-			
Dimensions (H x W x D)	Net		mm	270 × 1,135 × 700			
	Gross			300 × 1,320 × 790			
Weight	Net		kg	43	45		
	Gross			50	52		
Connection pipe diameter	Liquid (Flare)		mm	ø 9.52			
	Gas (Flare)			ø 15.88		ø 19.05	
	Drain			ø 25(I.D.) ; ø 32(O.D.)			

Note : Specifications are based on the following conditions.
Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.
Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m.

INDOOR UNITS

4-2-6. HIGH STATIC PRESSURE DUCT TYPE

Model name				ARXC36LATH	ARXC45LATH	ARXC60LATH	ARXC72LATH	ARXC90LATH
Power source				230 V ~, 50Hz				
Available voltage range				198 to 264 V				
Capacity	Cooling		kW	11.2	12.5	18.0	22.4	25.0
	Heating			12.5	14.0	20.0	25.0	28.0
Input power			W	405	427	427	1,110	1,250
Static pressure range			Pa	100 to 200	100 to 250	100 to 250	50 to 300	100 to 300
Standard static pressure			Pa	100	100	100	260	250
Fan	Airflow rate	High	m^3 / h	2,600	3,500	3,500	3,900	4,300
		Med		1,950	3,000	3,000	3,300	4,000
		Low		1,450	2,460	2,460	3,000	3,500
	Type x Quantity			Sirocco × 2				
	Motor output		W	240	540		720	870
Sound pressure level	High		dB(A)	45	49	49	51	53
	Med			38	45	45	48	51
	Low			32	42	42	45	49
Heat exchanger	Length		mm	890			1,250	
	Fin pitch			1.30		1.45	1.45	
	Rows x Stages			4 × 16			4 × 18	
	Face Area		m^2	0.30			0.50	
	Pipe type (Material)			Grooved H-pin (Copper)			Flatness H-pin (Copper)	
	Fin	Type (Material)		Slit(Aluminium)			Slit(Aluminium)	
		Surface treatment		Hydrophilic coating				
Air filter (Option)	Model name			UTD-LF60KA			-	
	Type			Fungicide type				
	Net material			PP honeycomb				
Enclosure	Material			galvanized sheet iron			galvanized sheet iron	
	Colour			-				
Dimensions (H x W x D)	Net		mm	400 × 1,050 × 500			450 × 1,550 × 700	
	Gross			460 × 1,230 × 640			550 × 1,750 × 825	
Weight	Net		kg	45	47		82	85
	Gross			49	51		98	101
Connection pipe diameter	Liquid		mm	ø 9.52(Flare)			ø 12.70 (Brazing)	
	Gas			ø 19.05 (Flare)			ø 22.22 (Brazing)	
	Drain			ø 25(I.D.) ; ø 32(O.D.)			ø 25(I.D.) ; ø 32(O.D.)	

Note : Specifications are based on the following conditions.
Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.
Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m.

INDOOR UNITS

4-2-7. FLOOR / CEILING TYPE

Model name				AB∗A12LATH	AB∗A14LATH	AB∗A18LATH	AB∗A24LATH
Power source				230V ~, 50Hz			
Available voltage range				198 to 264 V			
Capacity	Cooling		kW	3.6	4.0	5.6	7.1
	Heating			4.1	4.5	6.3	8.0
Input power			W	57	57	88	88
Fan	Airflow rate	High	m^3 / h	600	600	780	880
		Med		500	500	650	740
		Low		480	480	550	630
	Type x Quantity			Sirocco × 2			
	Motor output		W	16		30	40
Sound pressure level	High		dB(A)	40	40	46	48
	Med			37	37	41.5	44
	Low			34	34	37	40
Heat exchanger	Length		mm	800		800	
	Fin pitch			1.20		1.30	
	Rows x Stages			2 × 12		3 × 12	
	Face Area		m^2	0.20			
	Pipe type (Material)			Grooved H-pin (Copper)			
	Fin	Type (Material)		Slit(Aluminium)			
		Surface treatment		Hydrophilic coating			
Air filter	Type			Anti-mold			
	Net material			PP monofilament net			
Enclosure	Material			Plastic			
	Colour			White (5Y 9/0.5NN)			
Dimensions (H x W x D)	Net		mm	199 × 990 × 655			
	Gross			320 × 1,150 × 790			
Weight	Net		kg	28			
	Gross			37			
Connection pipe diameter	Liquid (Flare)		mm	ø 6.35		ø 9.52	
	Gas (Flare)			ø 12.70		ø 15.88	
	Drain			ø 25(I.D.) ; ø 32(O.D.)			

Note : Specifications are based on the following conditions.
Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.
Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m.

INDOOR UNITS

4-2-8. CEILING TYPE

Model name				AB∗A30LATH	AB∗A36LATH	AB∗A45LATH	AB∗A54LATH
Power source				230V ~, 50Hz			
Available voltage range				198 to 264 V			
Capacity	Cooling		kW	9.0	11.2	12.5	14.0
	Heating			10.0	12.5	14.0	16.0
Input power			W	124	144	160	180
Fan	Airflow rate	High	m^3 / h	1,450	1,660	1,850	2,200
		Med		1,280	1,500	1,660	2,000
		Low		980	1,270	1,430	1,800
	Type x Quantity			Sirocco × 4			
	Motor output		W	160			
Sound pressure level	High		dB(A)	42	45	48	52
	Med			39	42	46	50
	Low			35	37	41	46
Heat exchanger	Length		mm	1,350	1,350		
	Fin pitch			1.30	1.45		
	Rows x Stages			2 × 12	3 × 12		
	Face Area		m^2	0.34	0.34		
	Pipe type (Material)			Grooved H-pin (Copper)			
	Fin	Type (Material)		Slit(Aluminium)			
		Surface treatment		Hydrophilic coating			
Air filter	Type			Anti-mold			
	Net material			PP monofilament net			
Enclosure	Material			Plastic			
	Colour			White (5Y 9/0.5NN)			
Dimensions (H x W x D)	Net		mm	240 × 1,660 × 700			
	Gross			318 × 1,800 × 790			
Weight	Net		kg	48			
	Gross			61			
Connection pipe diameter	Liquid (Flare)		mm	ø 9.52			
	Gas (Flare)			ø 15.88	ø 19.05		
	Drain			ø 25(I.D.) ; ø 32(O.D.)			

Note : Specifications are based on the following conditions.
Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.
Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m.

INDOOR UNITS

4-2-9. COMPACT WALL MOUNTED TYPE
(EEV internal model)

Model name				AS∗A07LACH	AS∗A09LACH	AS∗A12LACH	AS∗A14LACH
Power source				230V ~, 50Hz			
Available voltage range				198 to 264 V			
Capacity	Cooling		kW	2.2	2.8	3.6	4.5
	Heating			2.8	3.2	4.1	5.0
Input power			W	16	16	19	30
Fan	Airflow rate	High	m^3 / h	490	500	560	670
		Med		450	450	480	490
		Low		370	370	420	420
	Type x Quantity			Cross flow × 1			
	Motor output		W	42			
Sound pressure level	High		dB(A)	35	36	39	44
	Med			33	33	35	37
	Low			27	27	31	32
Heat exchanger	Length		mm	600			
	Fin pitch			1.20			
	Rows x Stages			2×16			
	Face Area		m^2	0.20			
	Pipe type (Material)			Grooved H-pin (Copper)			
	Fin	Type (Material)		Slit(Aluminium)			
		Surface treatment		Hydrophilic coating			
Air filter	Type			Antibacterial and Mold proofing, Ion deodorization			
	Net material			PP honeycomb			
Enclosure	Material			Plastic			
	Colour			White (N9)			
Dimensions (H x W x D)	Net		mm	275 × 790 × 215			
	Gross			290 × 835 × 345			
Weight	Net		kg	9			
	Gross			12			
Connection pipe diameter	Liquid (Flare)		mm	ø 6.35			
	Gas (Flare)			ø 12.70			
	Drain			ø 13.8(I.D.) ; ø 15.8 - ø 16.7(O.D.)			

Note : Specifications are based on the following conditions.
Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.
Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m.

INDOOR UNITS

4-2-10. COMPACT WALL MOUNTED TYPE
(EEV external model)

Model name				AS∗E07LACH	AS∗E09LACH	AS∗E12LACH	AS∗E14LACH
Power source				230V ~, 50Hz			
Available voltage range				198 to 264 V			
Capacity	Cooling		kW	2.2	2.8	3.6	4.5
	Heating			2.8	3.2	4.1	5.0
Input power			W	15	16	20	28
Fan	Airflow rate	High	m^3 / h	490	500	560	680
		Med		450	450	480	490
		Low		370	370	420	420
	Type x Quantity			Cross flow × 1			
	Motor output		W	42			
Sound pressure level	High		dB(A)	34	35	38	43
	Med			32	32	34	35
	Low			26	26	30	30
Heat exchanger	Length		mm	635			
	Fin pitch			1.20			
	Rows x Stages			2×16			
	Face Area		m^2	0.21			
	Pipe type (Material)			Grooved H-pin (Copper)			
	Fin	Type (Material)		Slit(Aluminium)			
		Surface treatment		Hydrophilic coating			
Air filter	Type			Antibacterial and Mold proofing, Ion deodorization			
	Net material			PP honeycomb			
Enclosure	Material			Plastic			
	Colour			White (N9)			
Dimensions (H x W x D)	Net		mm	275 × 790 × 215			
	Gross			290 × 835 × 345			
Weight	Net		kg	9			
	Gross			12			
Connection pipe diameter	Liquid (Flare)		mm	ø 6.35			
	Gas (Flare)			ø 12.70			
	Drain			ø 13.8(I.D.) ; ø 15.8 - ø 16.7(O.D.)			
EV Kit (Option)				UTR - EV09XB		UTR - EV14XB	

Note : Specifications are based on the following conditions.
Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.
Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m.

INDOOR UNITS

4-2-11. WALL MOUNTED TYPE

Model name				AS∗A18LATH	AS∗A24LATH	AS∗A30LATH
Power source				230V ~, 50Hz		
Available voltage range				198 to 264 V		
Capacity	Cooling		kW	5.6	7.1	8.0
	Heating			6.3	8.0	8.8
Input power			W	63	74	73
Fan	Airflow rate	High	m^3 / h	870	940	980
		Med		700	720	870
		Low		540	600	750
	Type x Quantity			Cross flow × 1		
	Motor output		W	38	38	38
Sound pressure level	High		dB(A)	43	45	45
	Med			37	39	42
	Low			30	33	39
Heat exchanger	Length		mm	855		855
	Fin pitch			1.20		1.20 1.40
	Rows x Stages			2 × 16		
	Face Area		m^2	0.29		
	Pipe type (Material)			Grooved H-pin (Copper)		
	Fin	Type (Material)		Slit (Aluminium)		
		Surface treatment		Hydrophilic coating		
Air filter	Type			Deodorization / Anti-mold		
	Net material			PP monofilament net		
Enclosure	Material			Plastic		
	Colour			White (N9)		
Dimensions (H x W x D)	Net		mm	320 × 1,120 × 220		
	Gross			348 × 1,240 × 427		
Weight	Net		kg	16		
	Gross			22		
Connection pipe diameter	Liquid (Flare)		mm	ø 9.52		
	Gas (Flare)			ø 15.88		
	Drain			ø 12(I.D.) ; ø 16(O.D.)		

Note : Specifications are based on the following conditions.
Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.
Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m.

INDOOR UNITS

4-3. ELECTRIC CHARACTERISTICS

Indoor Unit		Power Supply				Indoor Fan Motor	
Type	Model	VoltaHe (V)	Frequency (Hz)	MCA (A)	MFA (A)	Input Power (kW)	Full Load Amp (A)
Compact Cassette	AUXB07LALH	230~	50	0.20	15	0.025	0.17
	AUXB09LALH			0.20		0.025	0.17
	AUXB12LALH			0.24		0.029	0.20
	AUXB14LALH			0.29		0.035	0.24
	AUXB18LALH			0.30		0.036	0.25
	AUXB24LALH			0.75		0.084	0.62
Cassette (Slim Type)	AUXD18LALH	230 ~	50	0.32	15	0.039	0.27
	AUXD24LALH			0.38		0.046	0.32
Cassette	AUXA30LALH	230 ~	50	0.51	15	0.059	0.42
	AUXA36LALH			0.64		0.080	0.53
	AUXA45LALH			0.83		0.099	0.69
	AUXA54LALH			0.94		0.119	0.78
Compact Duct	ARXB07LALH	230 ~	50	0.29	15	0.046	0.24
	ARXB09LALH			0.30		0.055	0.25
	ARXB12LALH			0.36		0.063	0.30
	ARXB14LALH			0.48		0.090	0.40
	ARXB18LALH			0.51		0.096	0.42
Low Static Pressure Duct	ARXB24LATH	230 ~	50	0.78	15	0.145	0.65
	ARXB30LATH			1.02		0.198	0.85
	ARXB36LATH			1.48		0.253	1.23
	ARXB45LATH			1.88		0.338	1.56
Duct	ARXA24LATH	230 ~	50	1.07	15	0.190	0.89
	ARXA30LATH			1.08		0.188	0.90
	ARXA36LATH			1.79		0.312	1.49
	ARXA45LATH			1.79		0.312	1.49
High Static Pressure Duct	ARXC36LATH	230 ~	50	2.11	15	0.405	1.76
	ARXC45LATH			2.22		0.427	1.85
	ARXC60LATH			2.22		0.427	1.85
	ARXC72LATH			5.82		1.110	4.85
	ARXC90LATH			6.55		1.250	5.47
Floor / Ceiling	AB∗A12LATH	230 ~	50	0.30	15	0.057	0.25
	AB∗A14LATH			0.30		0.057	0.25
	AB∗A18LATH			0.45		0.088	0.38
	AB∗A24LATH			0.45		0.088	0.38
Ceiling	AB∗A30LATH	230 ~	50	1.36	15	0.124	1.14
	AB∗A36LATH			1.39		0.144	1.16
	AB∗A45LATH			1.40		0.160	1.17
	AB∗A54LATH			1.40		0.180	1.17
Compact Wall Mounted (EEV external Model)	AS∗E07LACH	230 ~	50	0.18	15	0.015	0.15
	AS∗E09LACH			0.18		0.016	0.15
	AS∗E12LACH			0.23		0.020	0.19
	AS∗E14LACH			0.34		0.028	0.28
Compact Wall Mounted (EEV internal Model)	AS∗A07LACH	230 ~	50	0.20	15	0.016	0.17
	AS∗A09LACH			0.21		0.016	0.18
	AS∗A12LACH			0.24		0.019	0.20
	AS∗A14LACH			0.34		0.030	0.28
Wall Mounted	AS∗A18LATH	230 ~	50	0.41	15	0.063	0.34
	AS∗A24LATH			0.42		0.074	0.35
	AS∗A30LATH			0.41		0.073	0.34

MCA : Min Circuit Amps = Max Operating Current (Full Load).

MFA : Main Fuse (Circuit breaker) Amps.

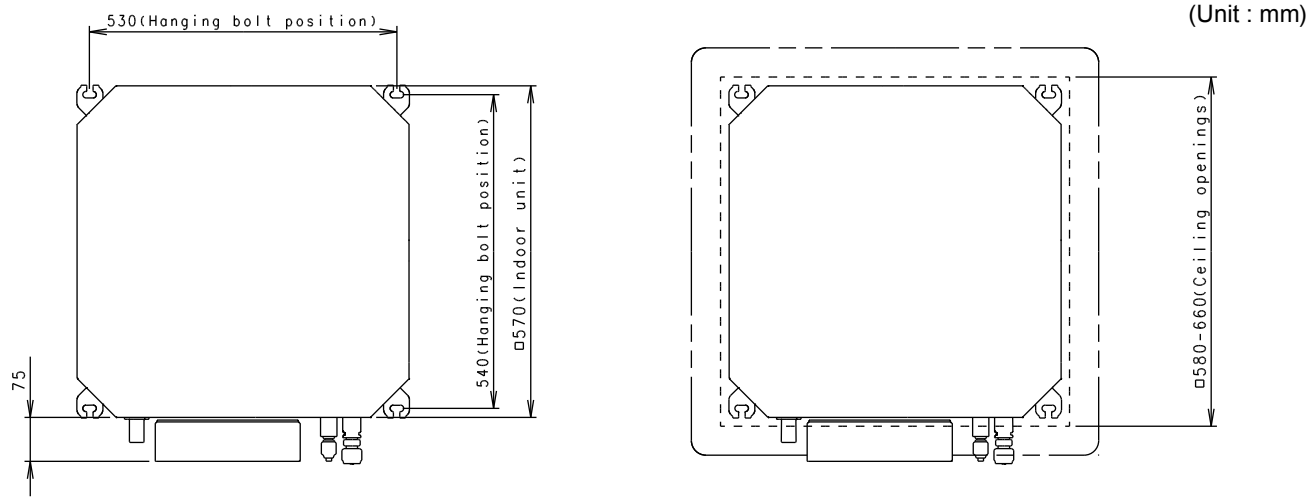
INDOOR UNITS

4-4. DIMENSIONS

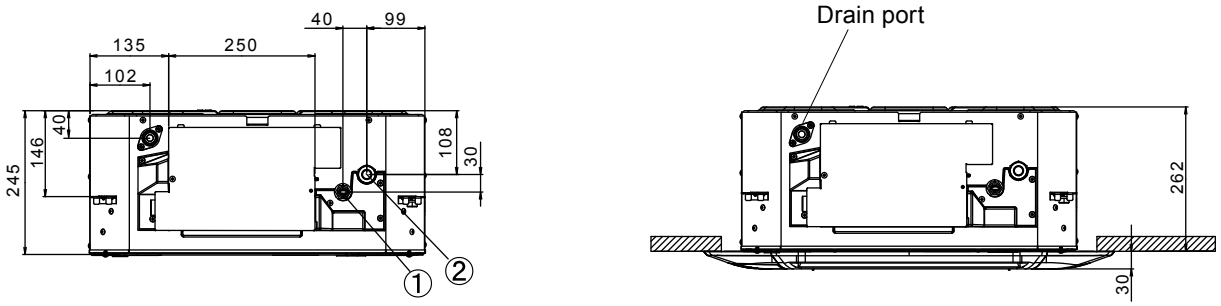
4-4-1. COMPACT CASSETTE TYPE

■ MODELS : AUXB07, AUXB09, AUXB12, AUXB14, AUXB18, AUXB24

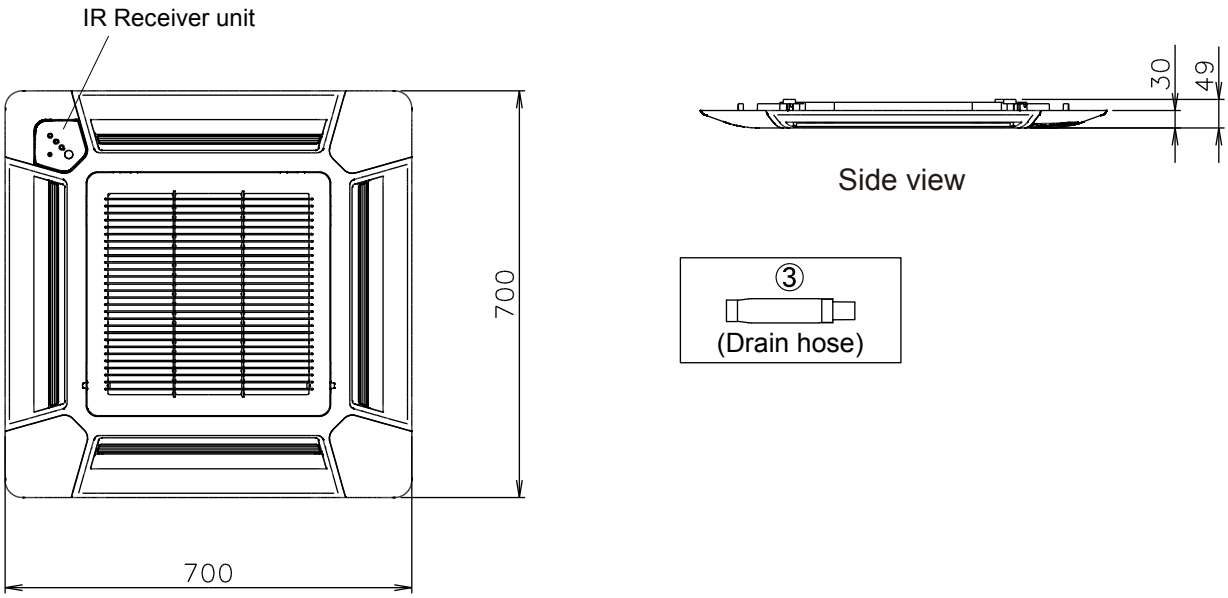
(Unit : mm)



Top view



Side view



Side view

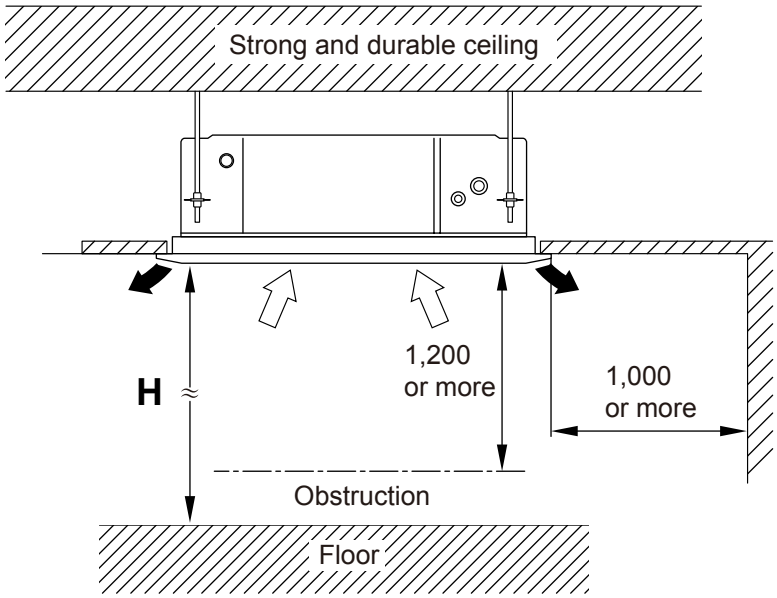
Bottom view

			AUXB07, AUXB09, AUXB12, AUXB14	AUXB18, AUXB24
①	Refrigerant pipe flare connection	Liquid	ø 6.35 mm	ø 9.52 mm
②		Gas	ø 12.70 mm	ø 15.88 mm
③	Drain hose connection	Drain hose	I.D. 25 mm , O.D. 32 mm	

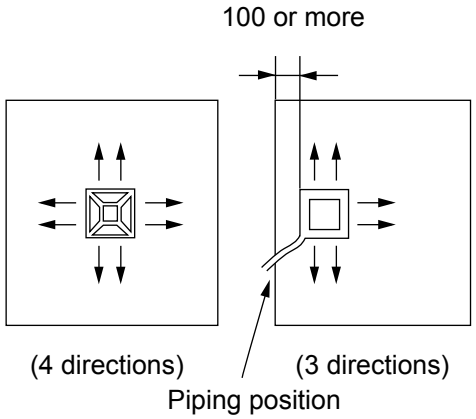
INDOOR UNITS

■ INSTALLATION PLACE

(Unit : mm)



	H (The maximum height from floor to ceiling) (mm)					
Model name	AUXB07	AUXB09	AUXB12	AUXB14	AUXB18	AUXB24
Standard mode	2,700	2,700	2,700	2,700	2,700	2,700
High Ceiling mode	-	-	3,000	3,000	3,000	3,000

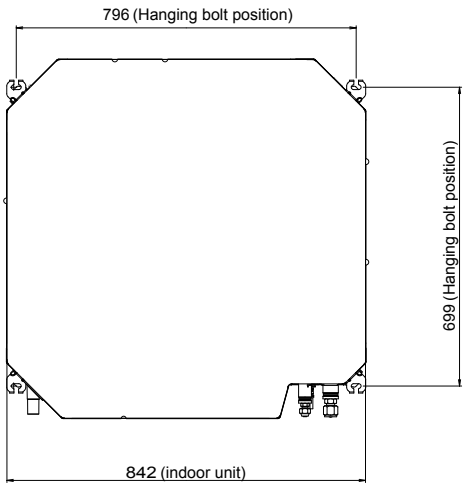


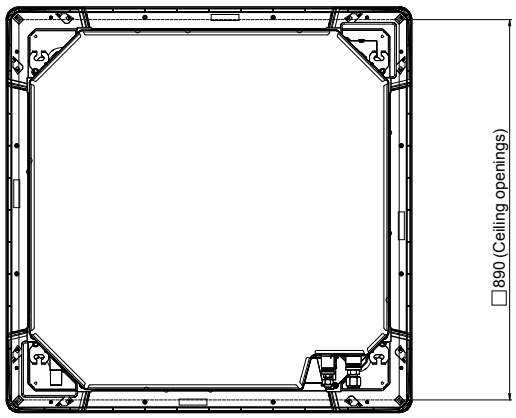
INDOOR UNITS

4-4-2. CASSETTE TYPE

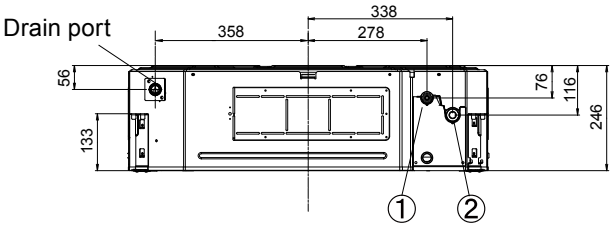
■ MODELS : AUXD18, AUXD24

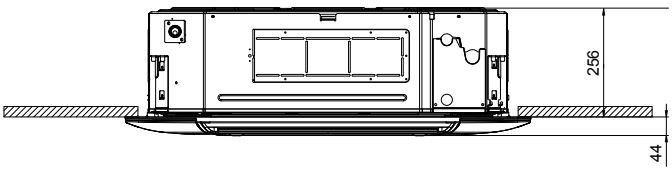
(Unit : mm)



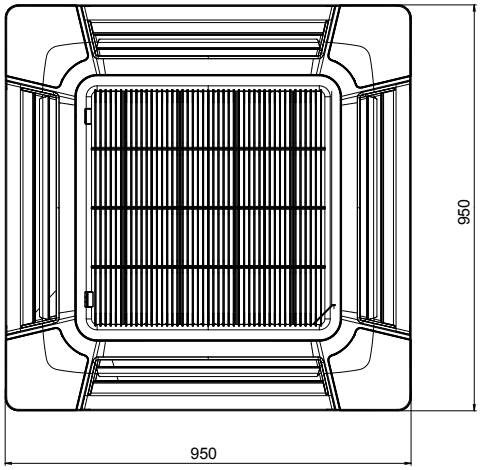


Top view

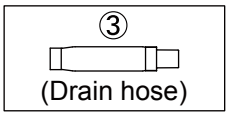




Side view



Bottom view

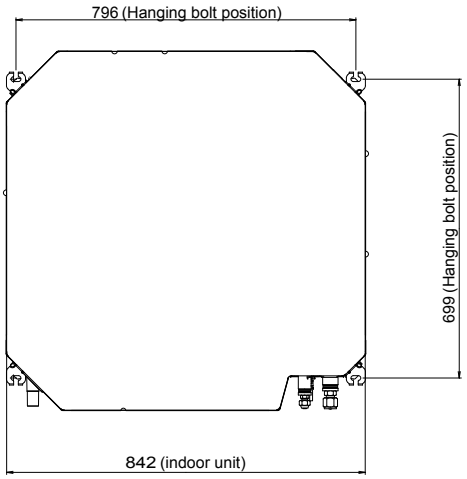


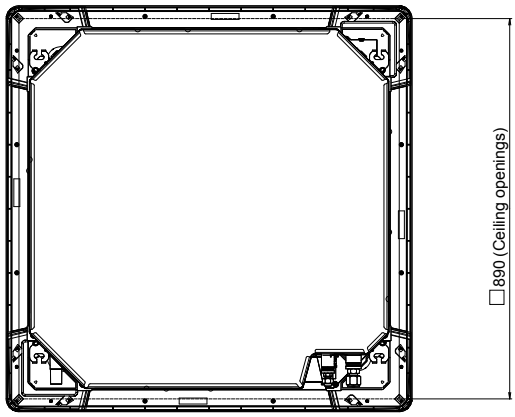
			AUXD18, AUXD24
①	Refrigerant pipe flare connection	Liquid	ø 9.52 mm
②		Gas	ø 15.88 mm
③	Drain hose connection	Drain hose	I.D. 25 mm , O.D. 32 mm

INDOOR UNITS

■ MODELS : AUXA30, AUXA36, AUXA45, AUXA54

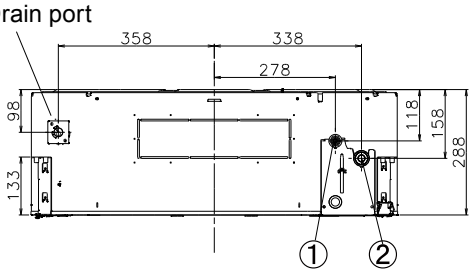
(Unit : mm)

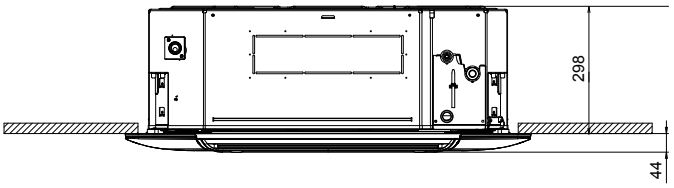




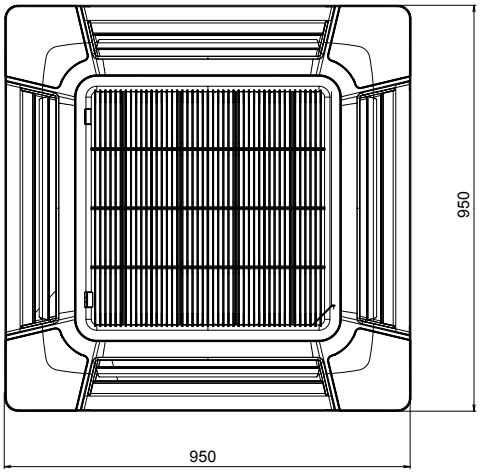
Top view

Drain port

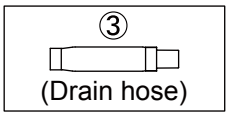




Side view



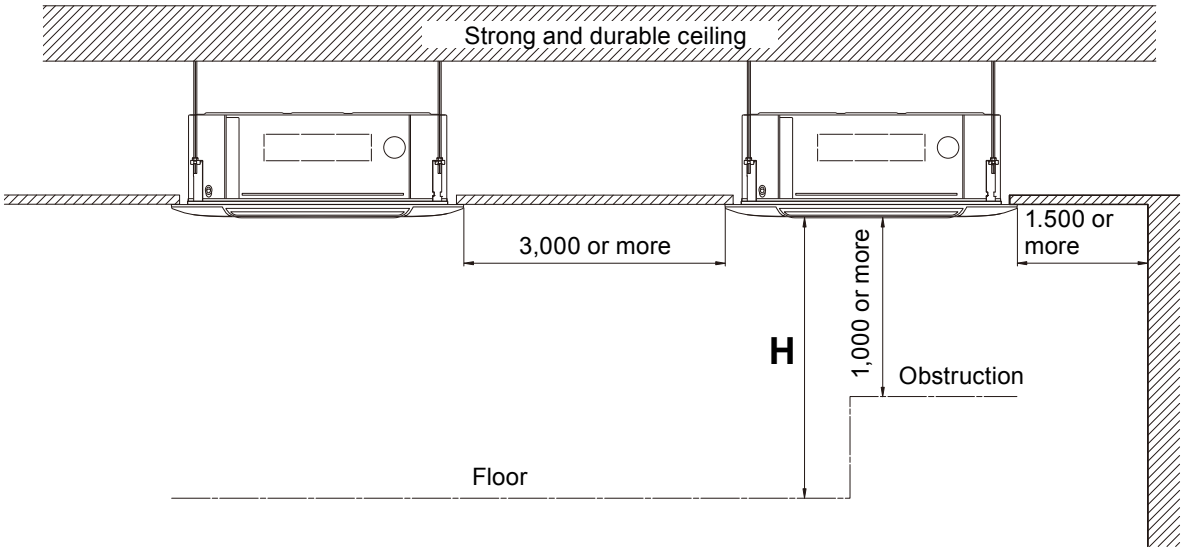
Bottom view



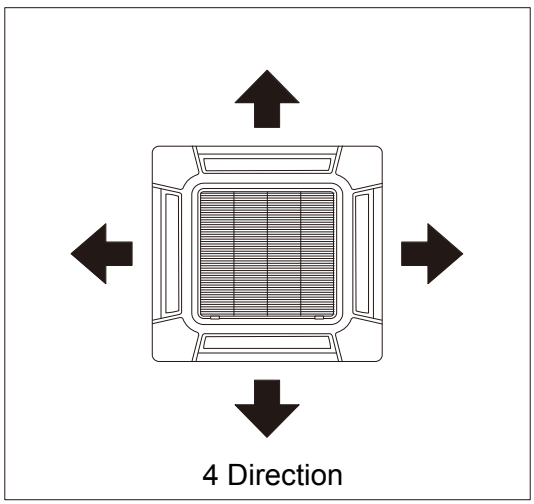
			AUXA30, AUXA36, AUXA45, AUXA54
①	Refrigerant pipe flare connection	Liquid	ø 9.52 mm
②		Gas	ø 19.05 mm
③	Drain hose connection	Drain hose	I.D. 25 mm , O.D. 32 mm

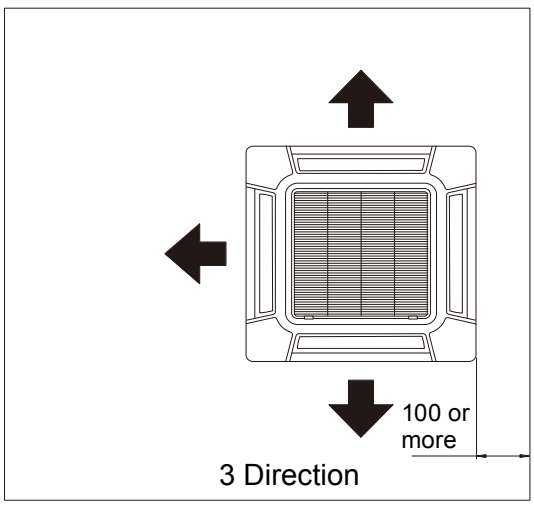
■ INSTALLATION PLACE

(Unit : mm)



	H (The maximum height from floor to ceiling) (mm)					
Model name	AUXD18	AUXD24	AUXA30	AUXA36	AUXA45	AUXA54
Standard mode	3,000	3,000	3,200	3,200	3,200	3,200
High Ceiling mode	3,500	3,500	3,600	4,200	4,200	4,200

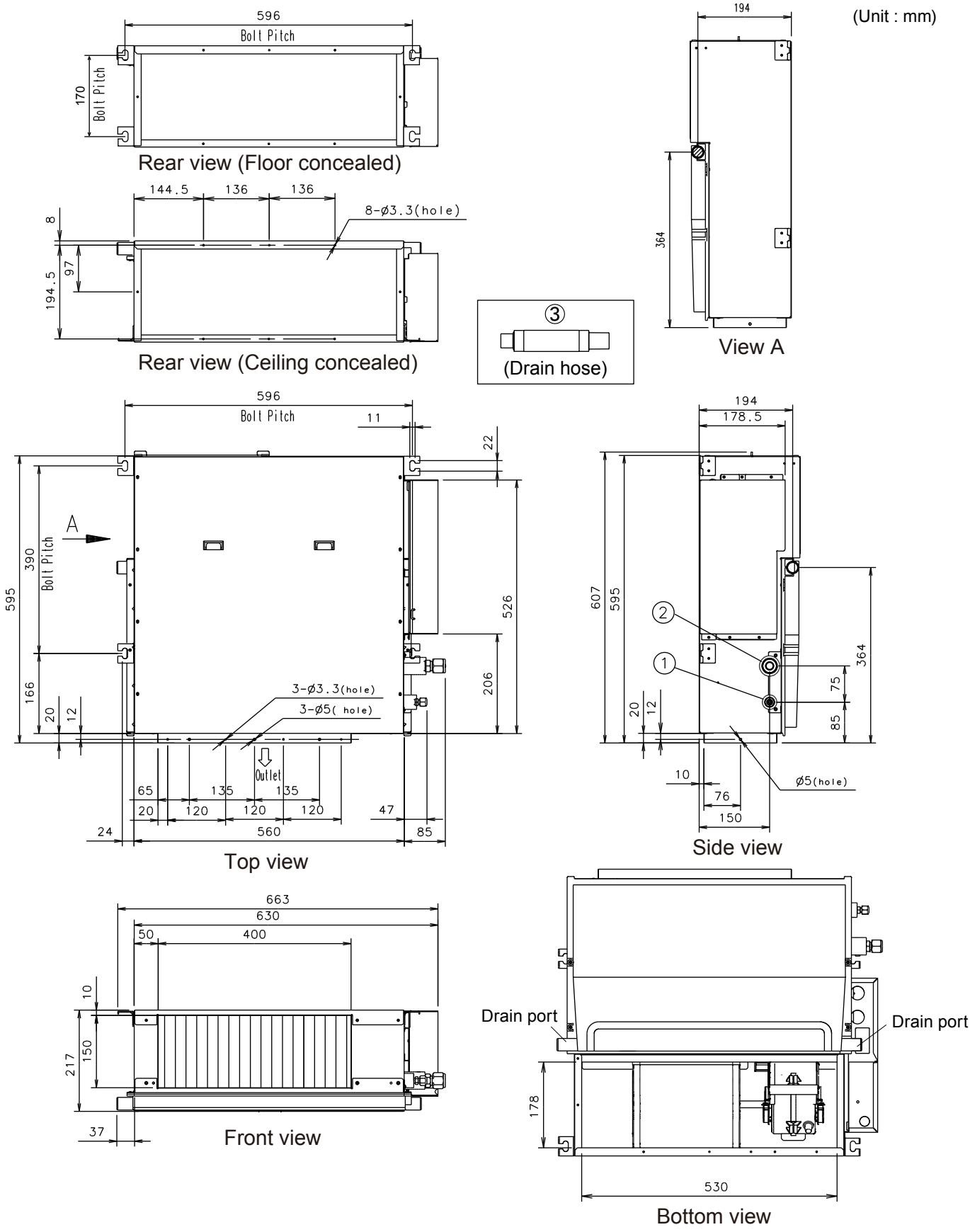




4-4-3. COMPACT DUCT TYPE

■ MODELS : ARXB07, ARXB09

(Unit : mm)

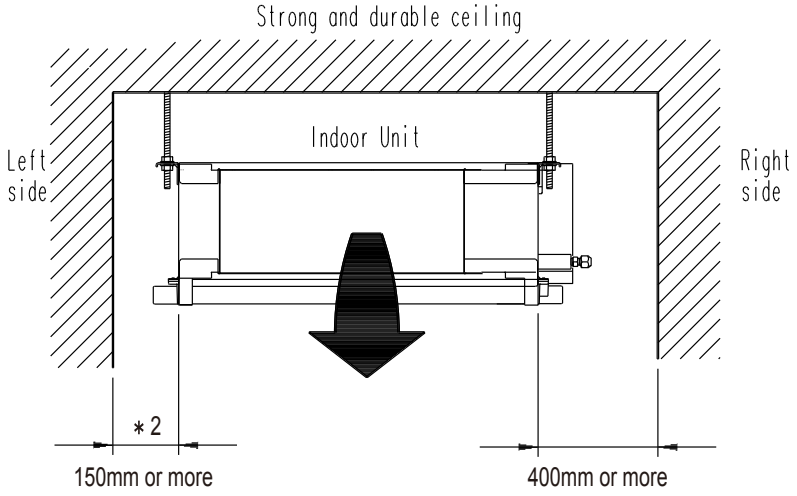


			ARXB07, ARXB09
①	Refrigerant pipe flare connection	Liquid	ø 6.35 mm
②		Gas	ø 12.70 mm
③	Drain hose connection	Drain hose	I.D. 25 mm , O.D. 32 mm

INDOOR UNITS

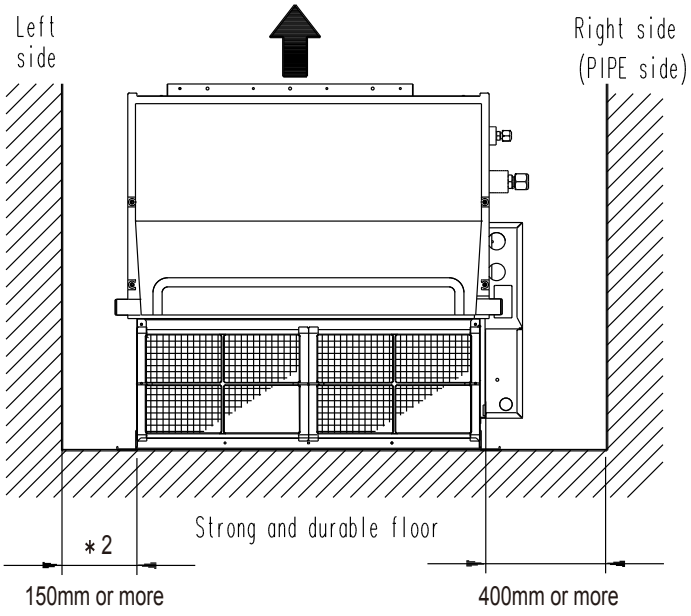
■ INSTALLATION PLACE *1

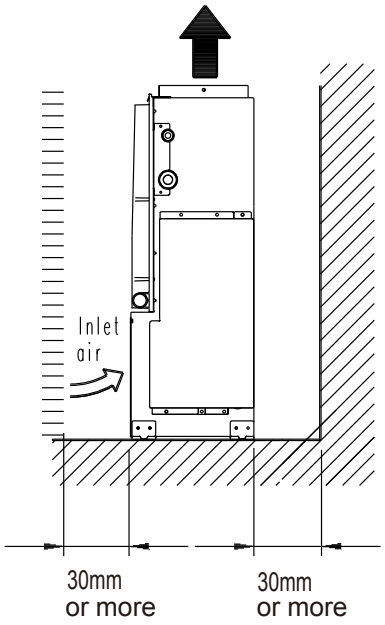
(Unit : mm)



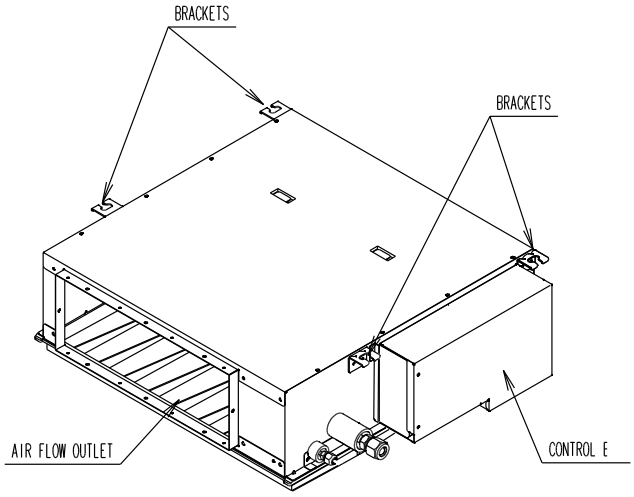
*1 When drain pump is used, leave the space required for service and maintenance (Refer to 6-10-1. DRAIN PUMP UNIT)

*2 When drain hose is connected, the required dimension is 400mm or more.



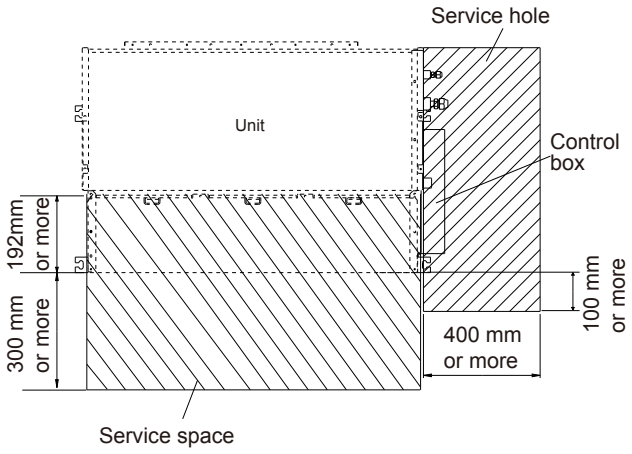


■ BIRD'S-EYE VIEW



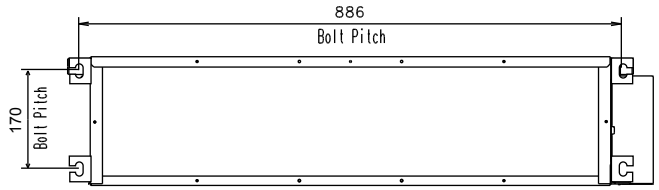
■ MAINTENANCE HOLE

Provide a service hole for inspection purposes as shown below. Do not place any wiring or illumination in the service space, as they will impede service.

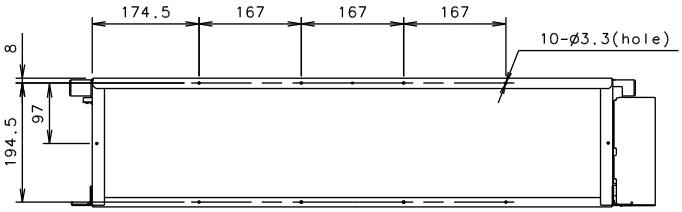


■ MODELS : ARXB12, ARXB14, ARXB18

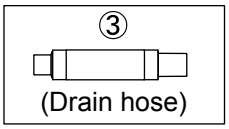
(Unit : mm)

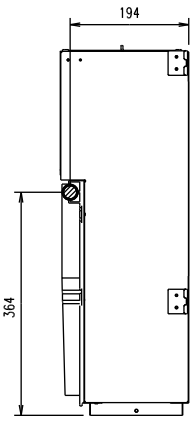


Rear view (Floor concealed)

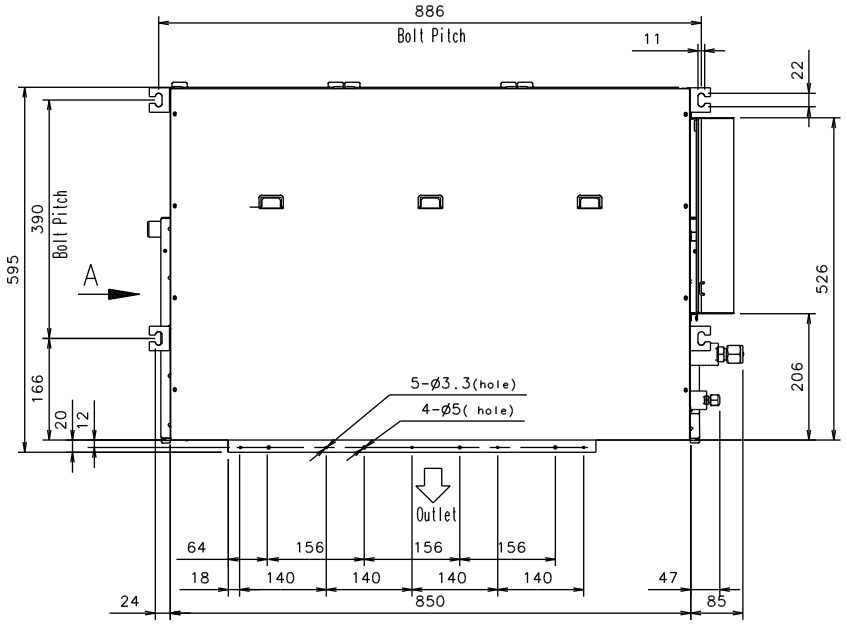


Rear view (Ceiling concealed)



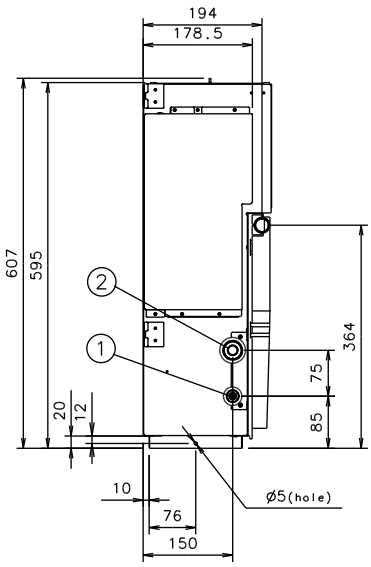


View A



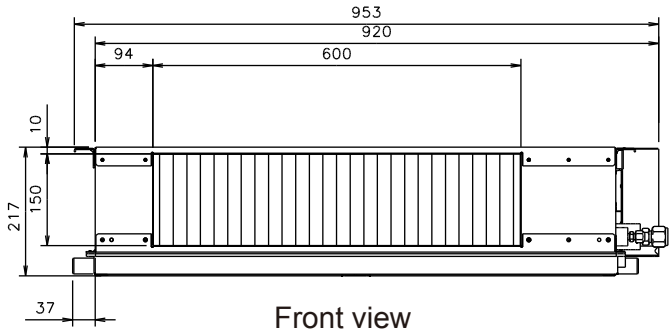
Top view

Drain port

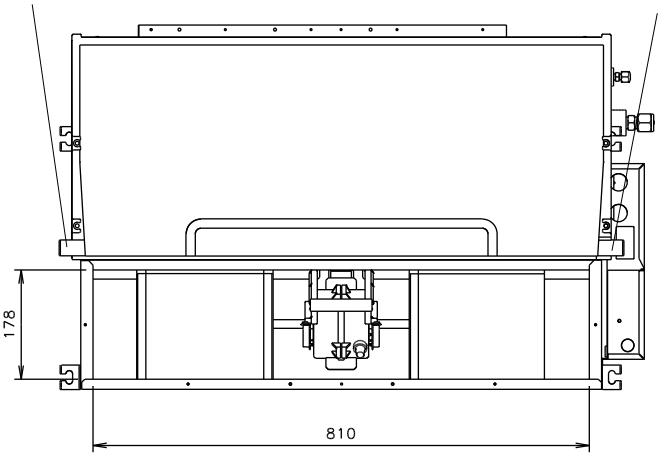


Side view

Drain port



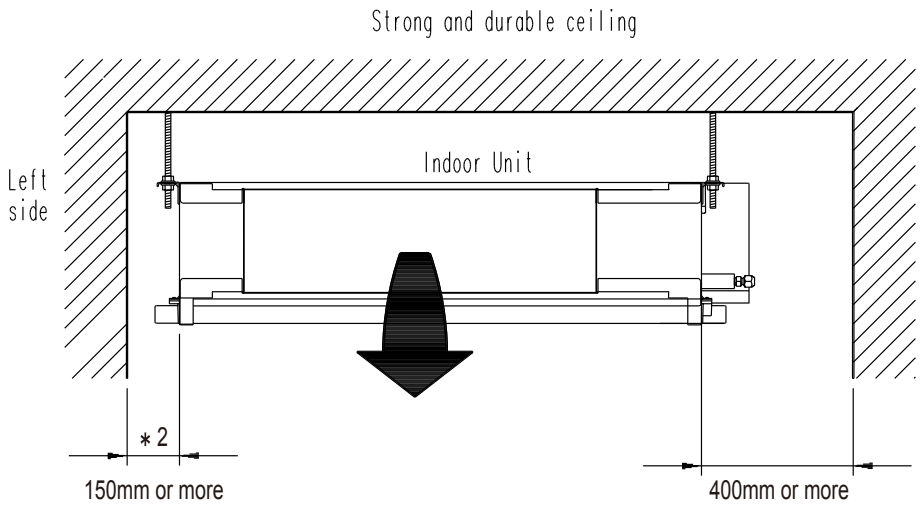
Front view



			ARXB12, ARXB14	ARXB18
①	Refrigerant pipe flare connection	Liquid	ø 6.35 mm	ø 9.52 mm
②		Gas	ø 12.70 mm	ø 15.88 mm
③	Drain hose connection	Drain hose	I.D. 25 mm , O.D. 32 mm	

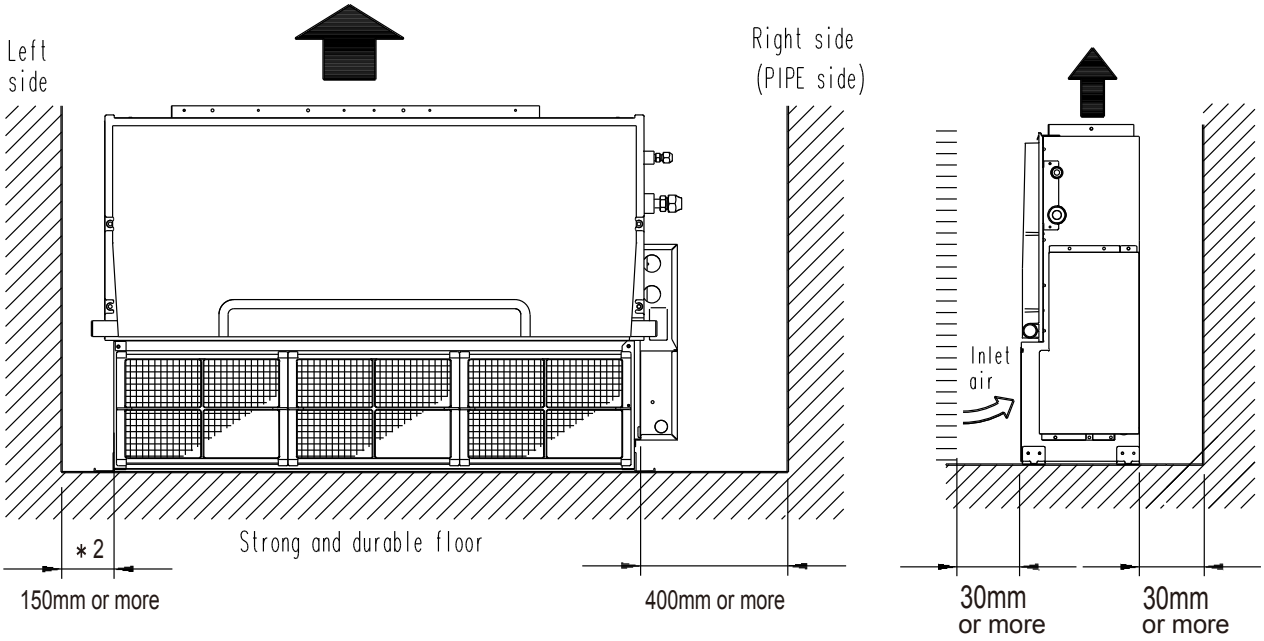
■ INSTALLATION PLACE *1

(Unit : mm)

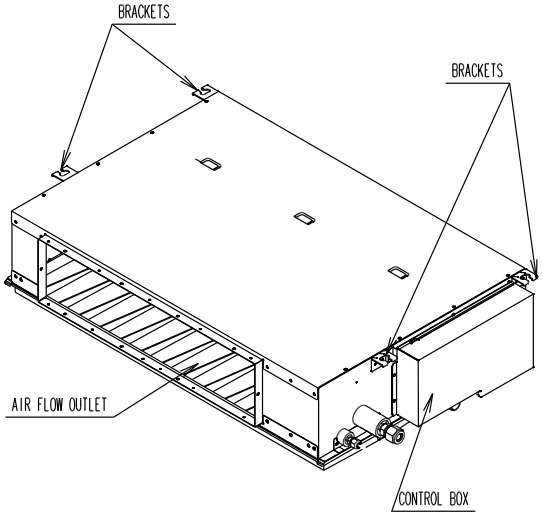


*1 When drain pump is used, leave the space required for service and maintenance (Refer to 6-10-1. DRAIN PUMP UNIT)

*2 When drain hose is connected, the required dimension is 400mm or more.

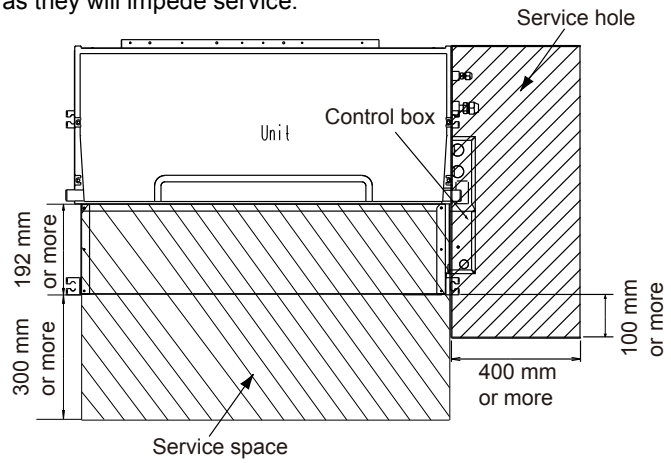


■ BIRD'S-EYE VIEW



■ MAINTENANCE HOLE

Provide a service hole for inspection purposes as shown below. Do not place any wiring or illumination in the service space, as they will impede service.



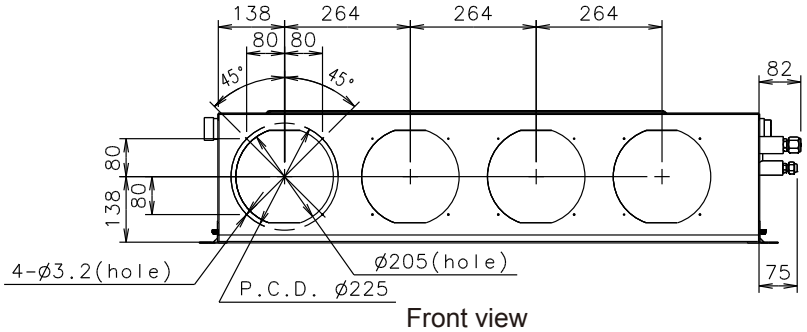
4-4-4. LOW STATIC PRESSURE DUCT TYPE

■ MODELS : ARXB24, ARXB30, ARXB36, ARXB45

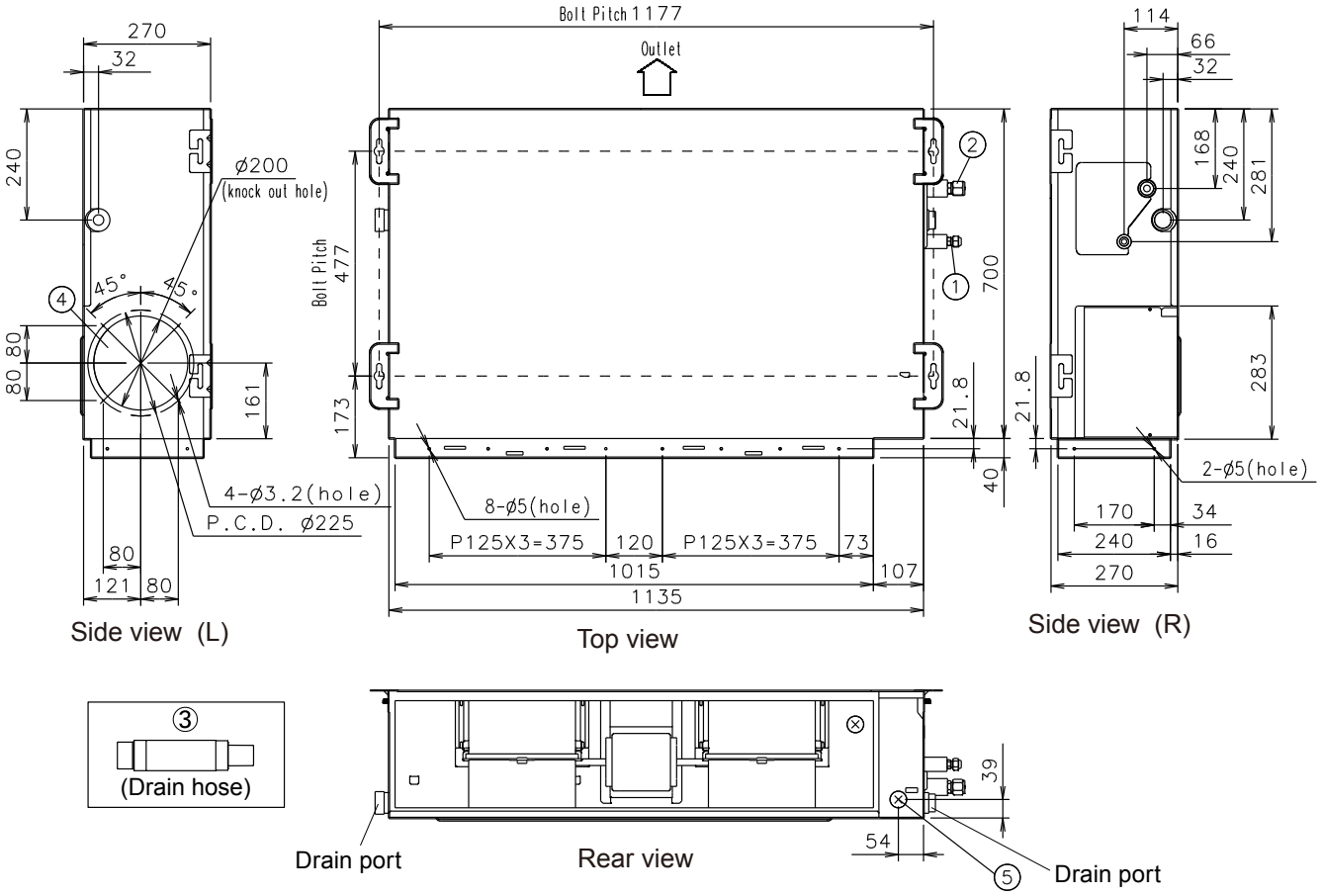
4-4-5. DUCT TYPE

■ MODELS : ARXA24, ARXA30, ARXA36, ARXA45.

(Unit : mm)



Front view



Side view (L)

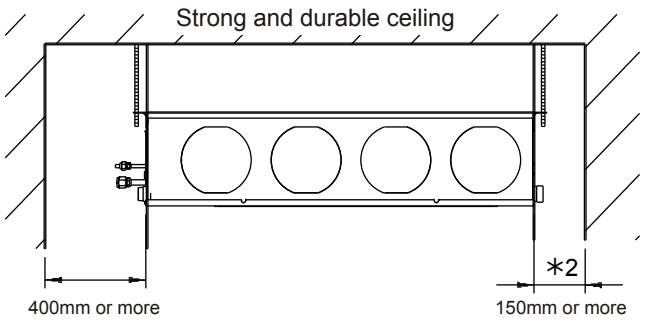
Top view

Side view (R)

			ARXB24, ARXB30 ARXA24, ARXA30	ARXB36, ARXB45 ARXA36, ARXA45
①	Refrigerant pipe flare connection	Liquid	ø 6.35 mm	ø 9.52 mm
②		Gas	ø 12.70 mm	ø 15.88 mm
③	Drain hose connection	Drain hose	I.D. 25 mm , O.D. 32 mm	
④	Knock out hole (fresh air)	-	200 mm	
⑤	Hole for power cable	-	23 mm	

■ INSTALLATION PLACE ∗1

(Unit : mm)

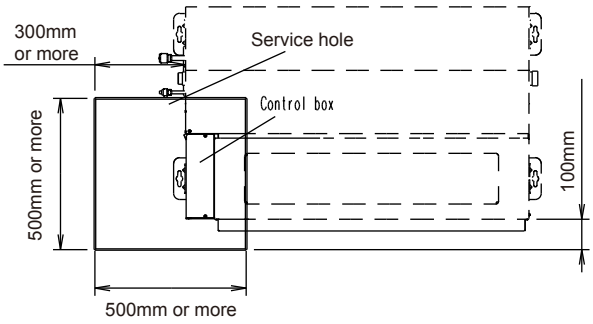


∗1 When drain pump is used, leave the space required for service and maintenance (Refer to 6-10-1. DRAIN PUMP UNIT)

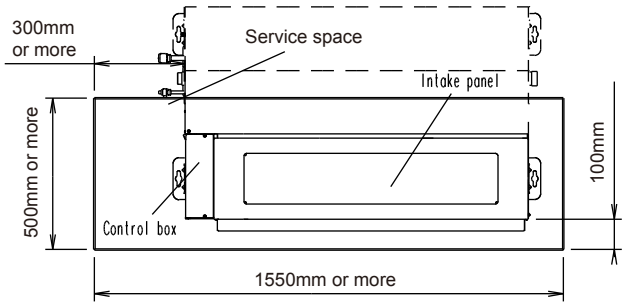
∗2 When drain hose is connected, the required dimension is 400mm or more.

■ MAINTENANCE HOLE

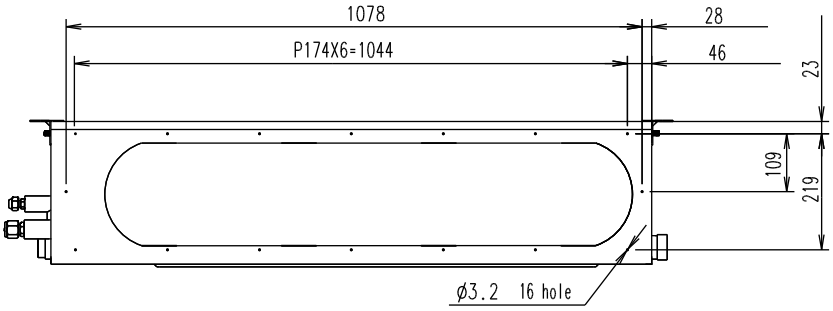
Ii shall be possible to install and remove the control box.



Ii shall be possible to install and remove the control box, fan units and filter.



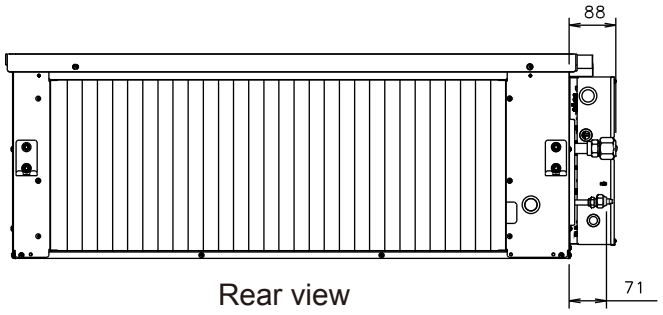
■ WHEN USING A SQUARE DUCT



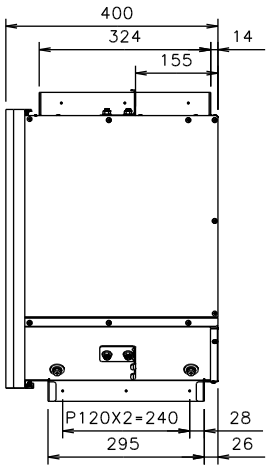
4-4-6. HIGH STATIC PRESSURE DUCT TYPE

■ MODELS : ARXC36, ARXC45, ARXC60

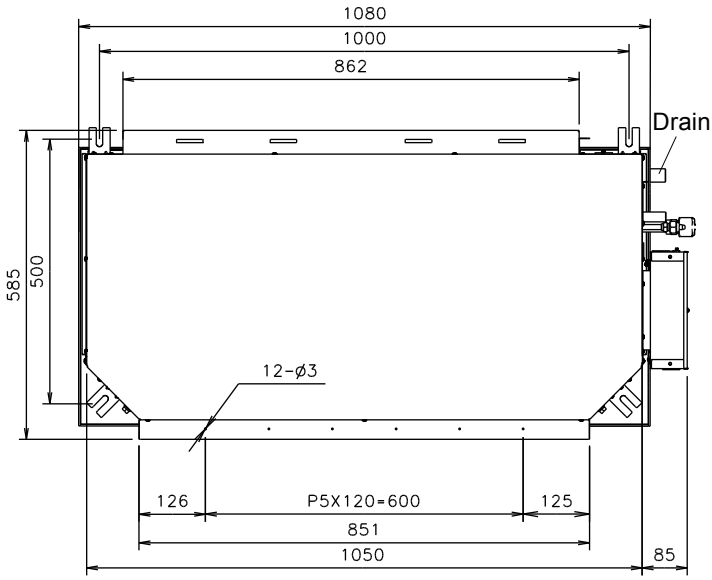
(Unit : mm)



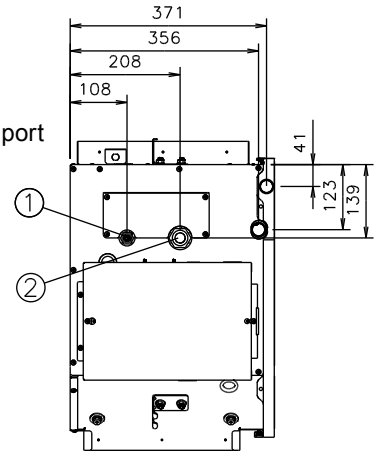
Rear view



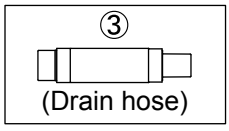
Side view (L)

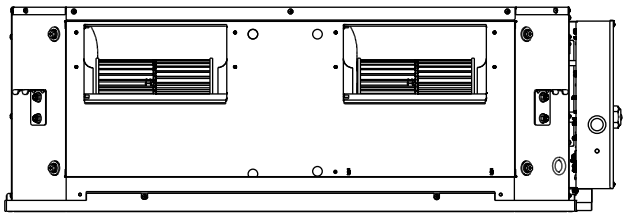


Top view



Side view (R)



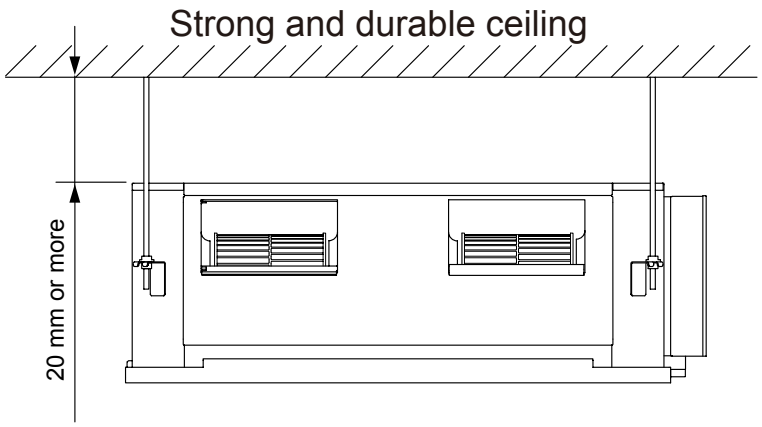


Front view

			ARXC36, ARXC45, ARXC60
①	Refrigerant pipe flare connection	Liquid	ø 9.52 mm
②		Gas	ø 19.05 mm
③	Drain hose connection	Drain hose	I.D. 25 mm , O.D. 32 mm

■ INSTALLATION PLACE

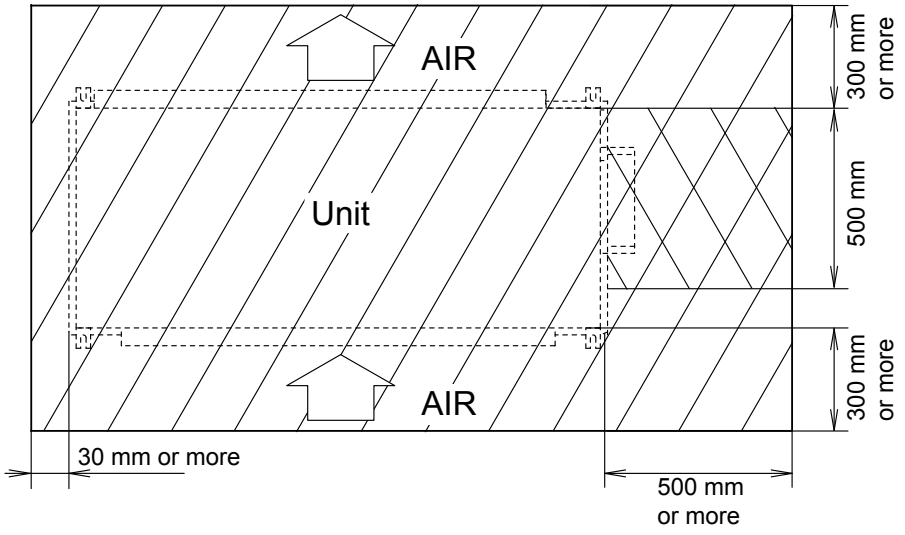
(Unit : mm)



INDOOR UNITS

■ MAINTENANCE HOLE

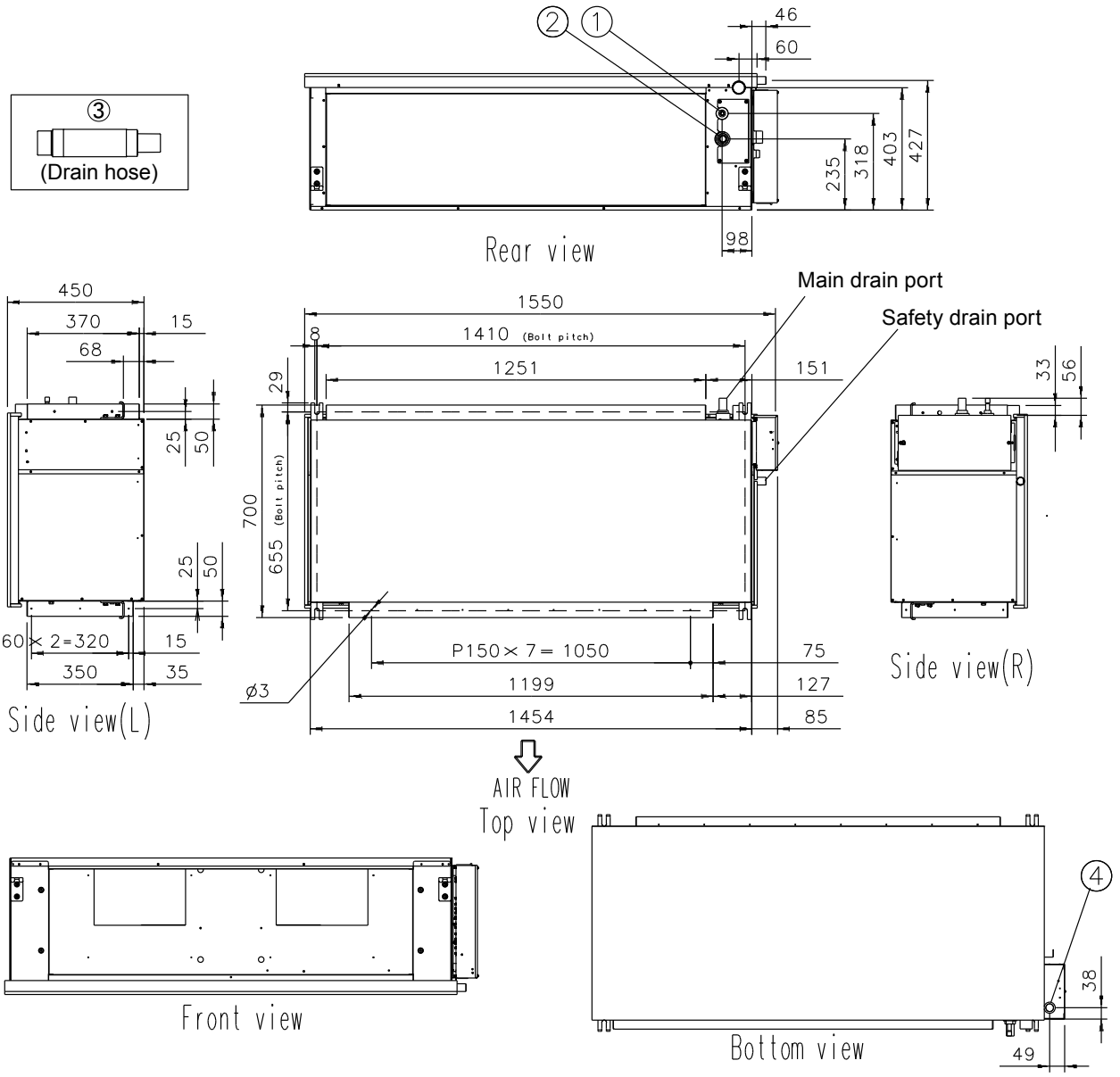
Provide a service hole for inspection purposes as shown below.
Do not place any wiring or illumination in the service space,
as they will impede service.



: Service hole : Service space

■ MODELS : ARXC72, ARXC90

(Unit : mm)

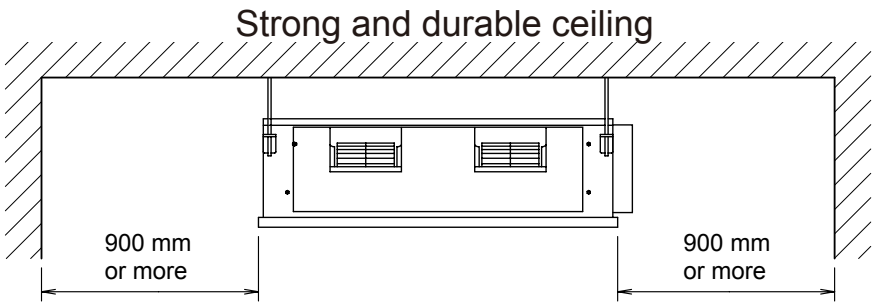


			ARXC72, ARXC90
①	Refrigerant pipe flare connection	Liquid	ø 12.70 mm
②		Gas	ø 22.22 mm
③	Drain hose connection	Drain hose	I.D. 25 mm , O.D. 32 mm
④	Hole for power cable	-	25 mm

■ INSTALLATION PLACE

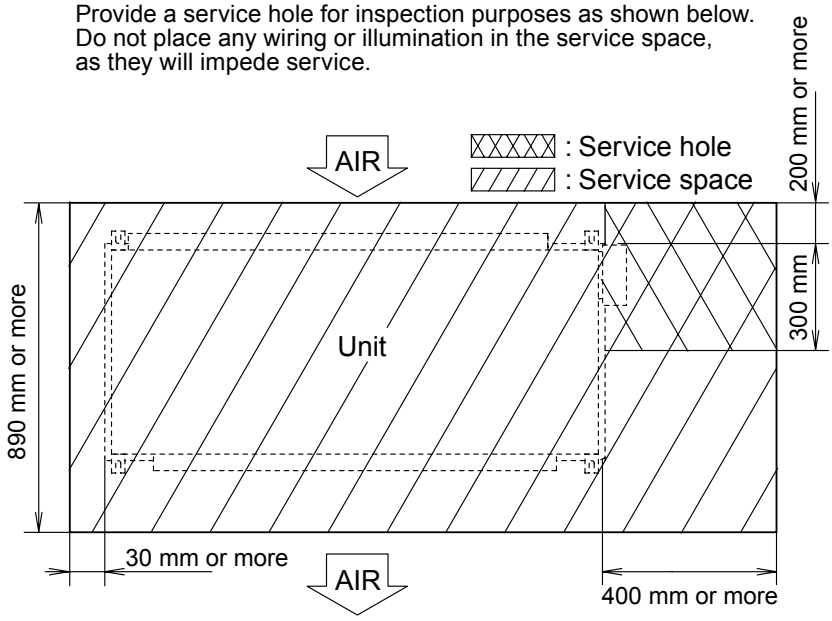
If the service space shown in the left is unavailable, provide a 900mm service space at either the left or right side of the unit.

(Unit : mm)



■ MAINTENANCE HOLE

Provide a service hole for inspection purposes as shown below.
Do not place any wiring or illumination in the service space, as they will impede service.

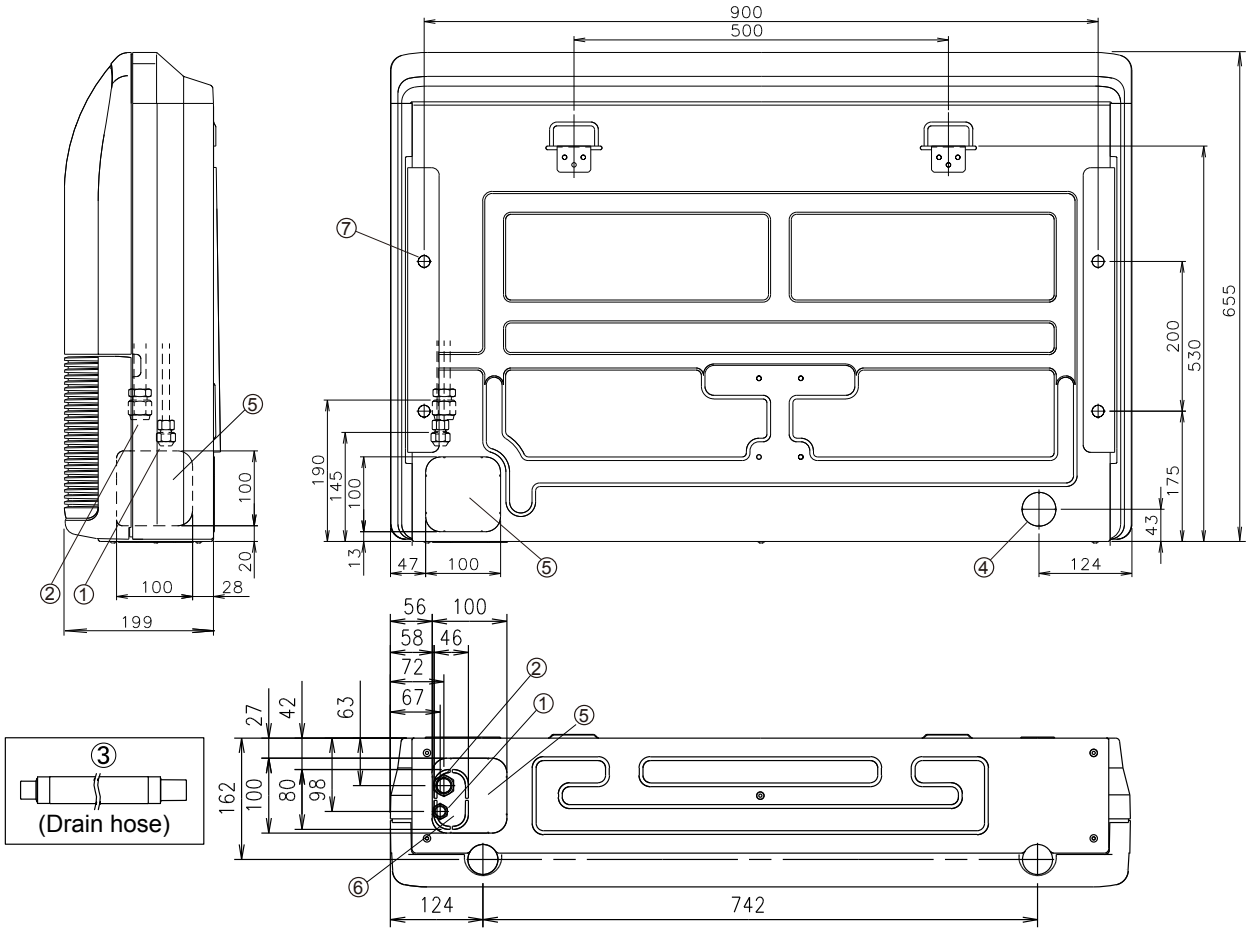


INDOOR UNITS

4-4-7. FLOOR / CEILING TYPE

■ MODELS : AB∗A12, AB∗A14, AB∗A18, AB∗A24

(Unit : mm)

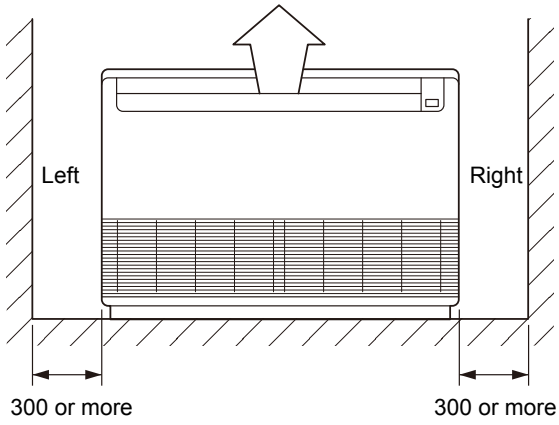


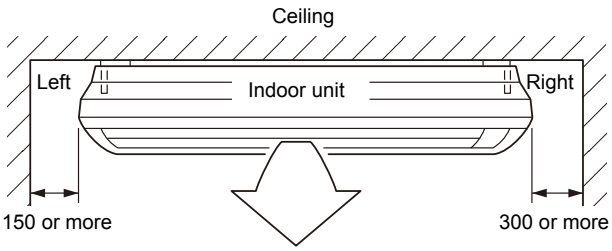
			AB∗A12, AB∗A14	AB∗A18, AB∗A24
①	Refrigerant pipe flare connection	Liquid	ø 6.35 mm	ø 9.52 mm
②		Gas	ø 12.70 mm	ø 15.88 mm
③	Drain hose connection	Drain hose	I.D. 25 mm , O.D. 32 mm	
④	Knock out hole	Drain outlet	ø 45 mm	
⑤⑥		-	-	
⑦	Hole for lifting bolt	-	Use M10 screw bolt	

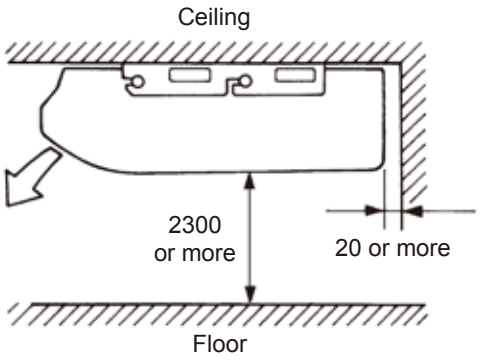
INDOOR UNITS

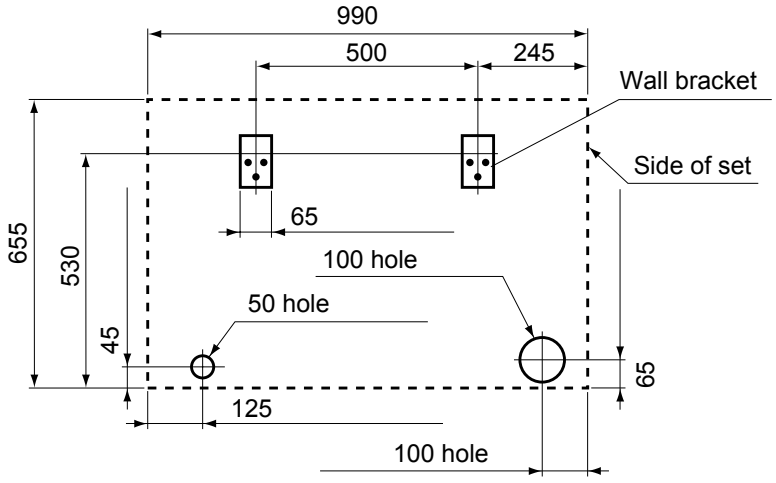
■ INSTALLATION PLACE

(Unit : mm)







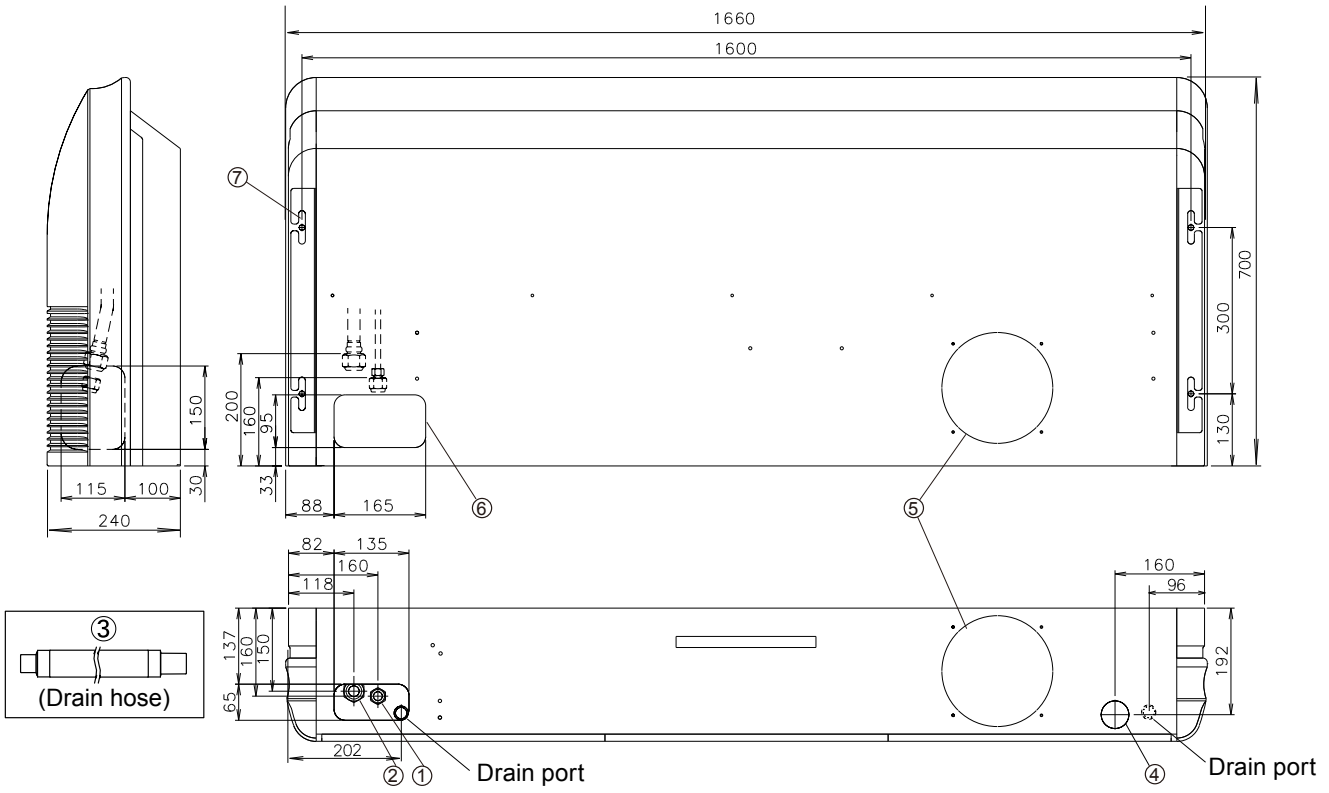


INDOOR UNITS

4-4-8. CEILING TYPE

■ MODELS : AB∗A30, AB∗A36, AB∗A45, AB∗A54

(Unit : mm)

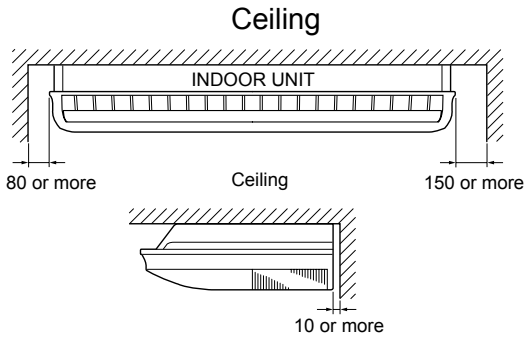


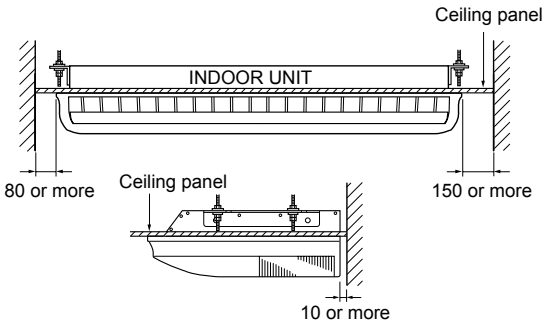
			AB∗A30	AB∗A36, AB∗A45, AB∗A54
①	Refrigerant pipe flare connection	Liquid	ø 9.52 mm	ø 9.52 mm
②		Gas	ø 15.88 mm	ø 19.05 mm
③	Drain hose connection	Drain hose	I.D. 25 mm , O.D. 32 mm	
④	Knock out hole	Drain outlet	ø 50 mm	
⑤		Fresh air	ø 200 mm	
⑥		Refrigerant pipe	-	
⑦	Hole for lifting bolt	-	Use M10 screw bolt	

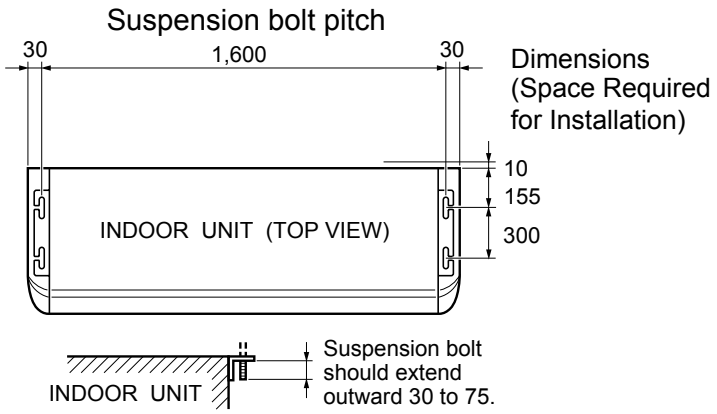
INDOOR UNITS

■ INSTALLATION PLACE

(Unit : mm)







INDOOR UNITS

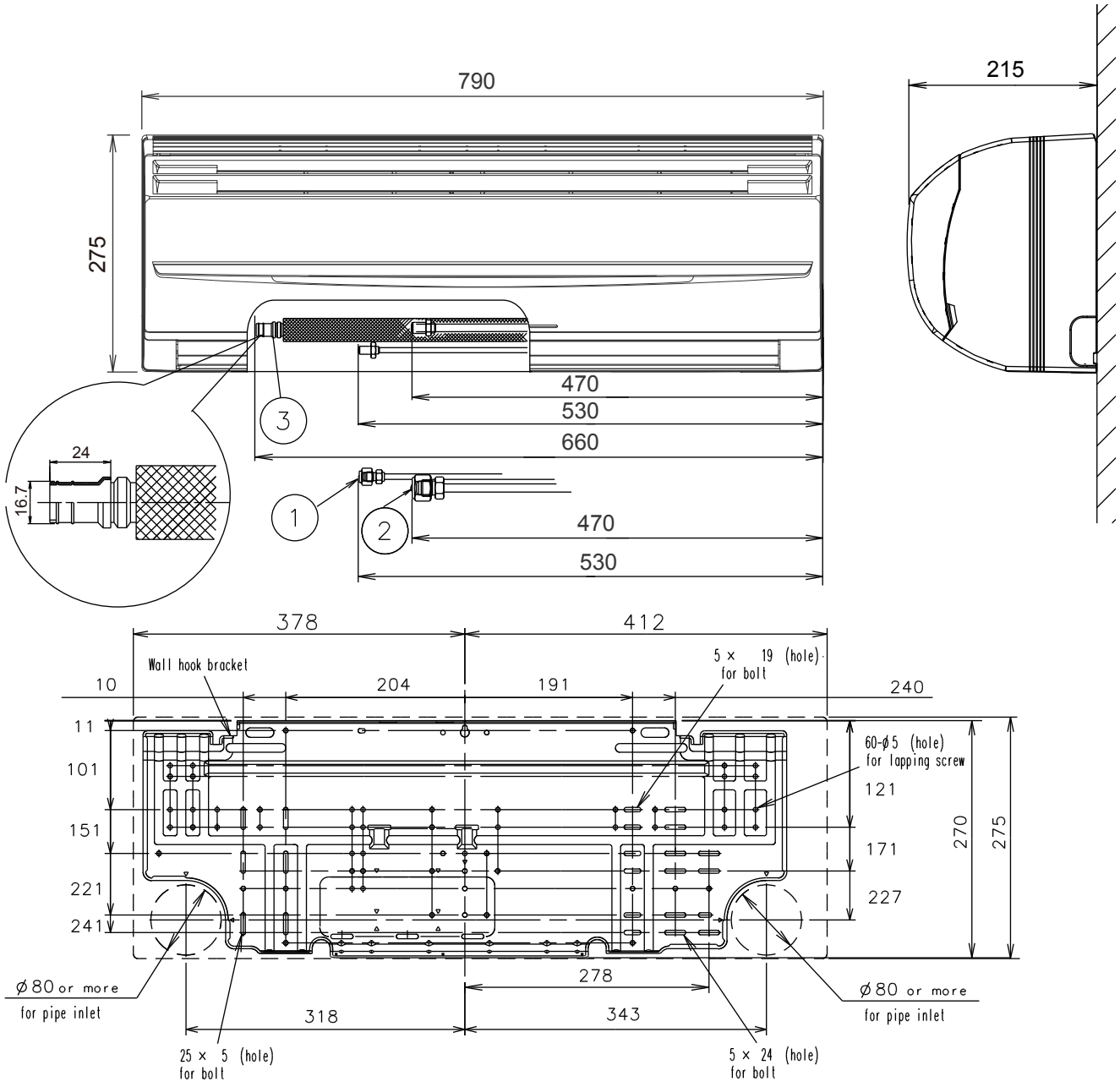
4-4-9. COMPACT WALL MOUNTED TYPE (EEV internal model)

■ MODELS : AS∗A07, AS∗A09, AS∗A12, AS∗A14

4-4-10. COMPACT WALL MOUNTED TYPE (EEV external model)

■ MODELS : AS∗E07, AS∗E09, AS∗E12, AS∗E14

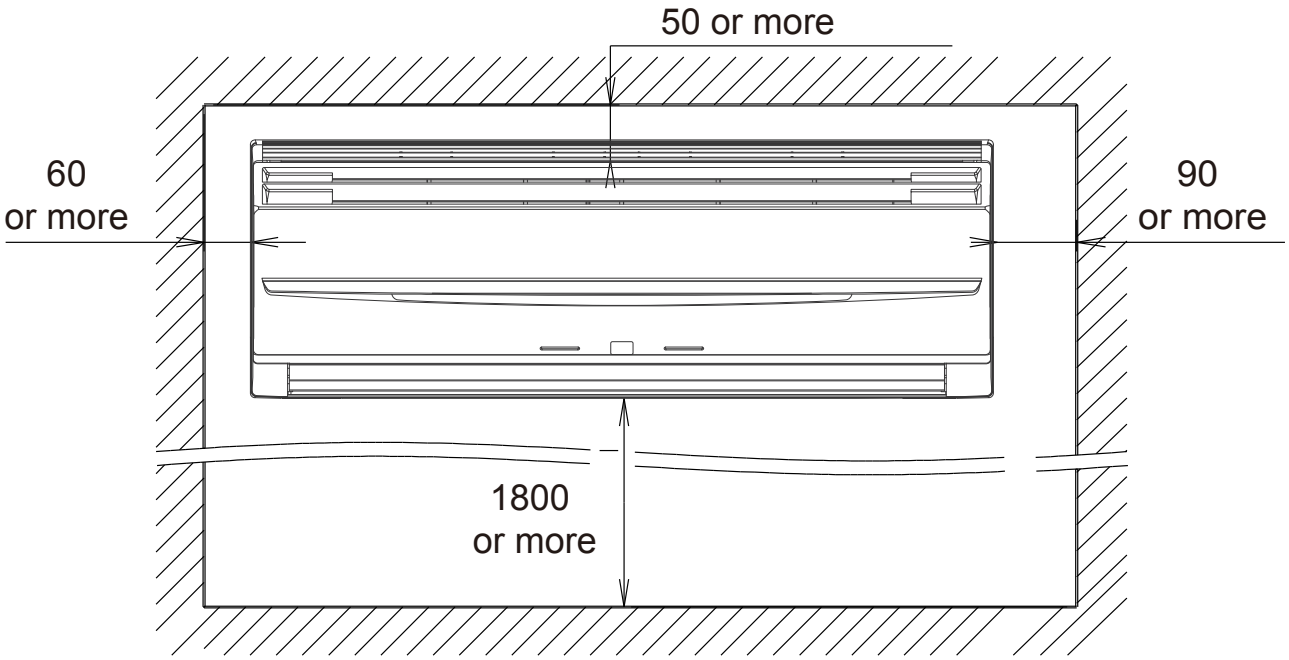
(Unit : mm)

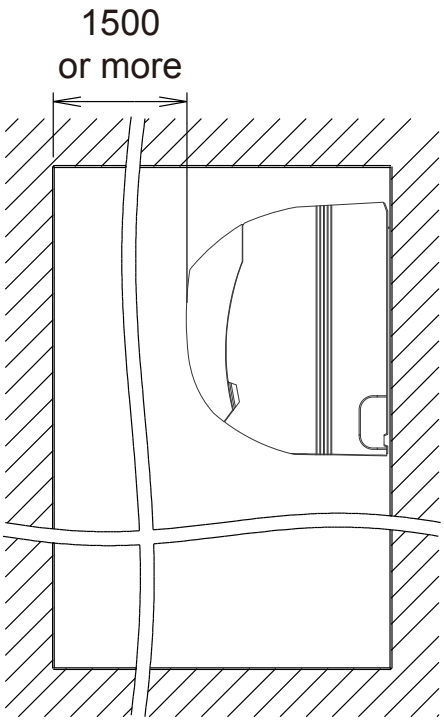


			AS∗A07, AS∗A09, AS∗A12, AS∗A14, AS∗A18 AS∗E07, AS∗E09, AS∗E12, AS∗E14, AS∗E18
①	Refrigerant pipe flare connection	Liquid	ø 6.35 mm
②		Gas	ø 12.70 mm
③	Drain hose connection	Drain hose	I.D. 13.8 mm , O.D. 15.8-16.7 mm Drain hose : L=600mm

■ INSTALLATION PLACE

(Unit : mm)



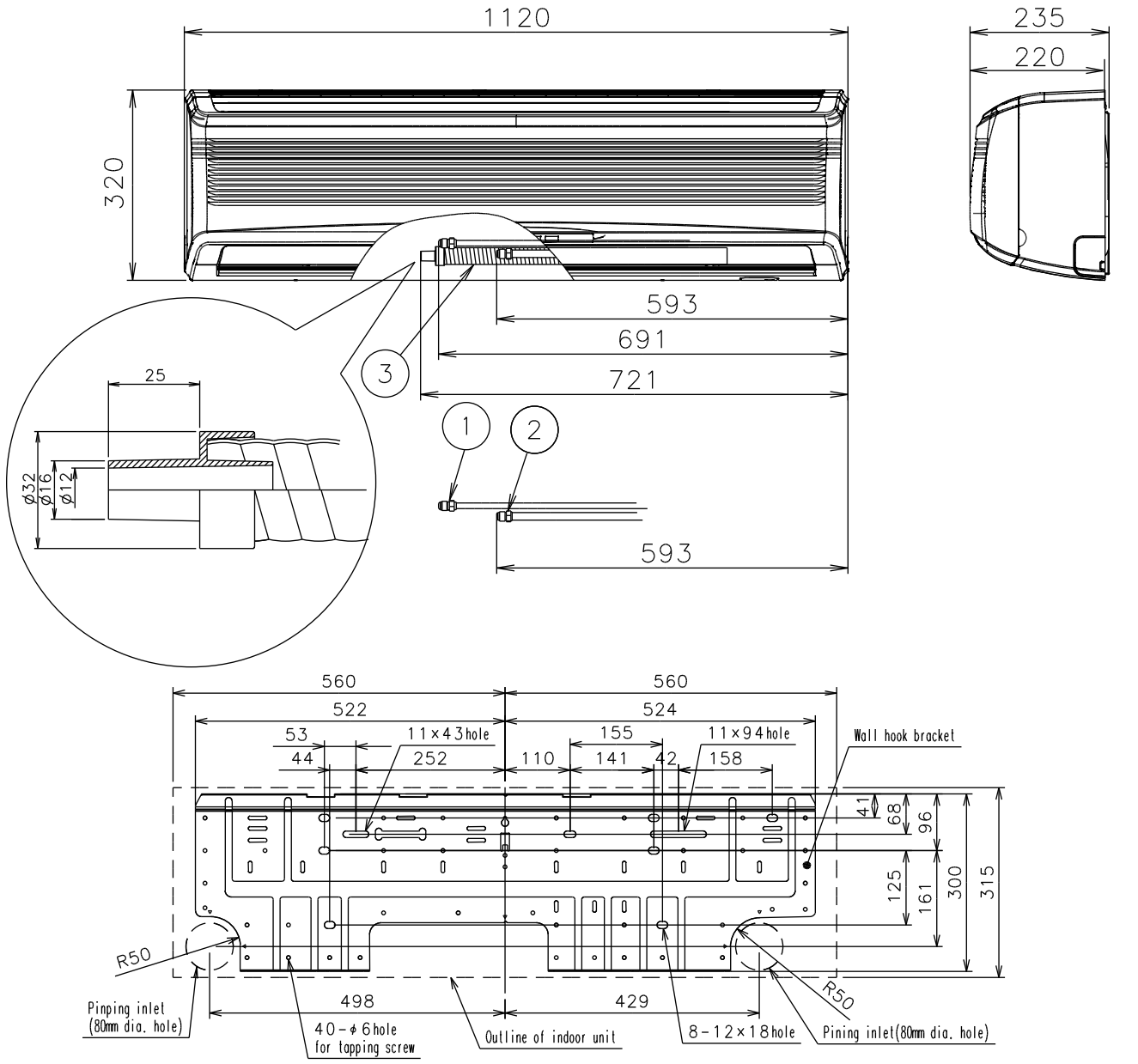


INDOOR UNITS

4-4-11. WALL MOUNTED TYPE

■ MODELS : AS∗A18, AS∗A24, AS∗A30

(Unit : mm)

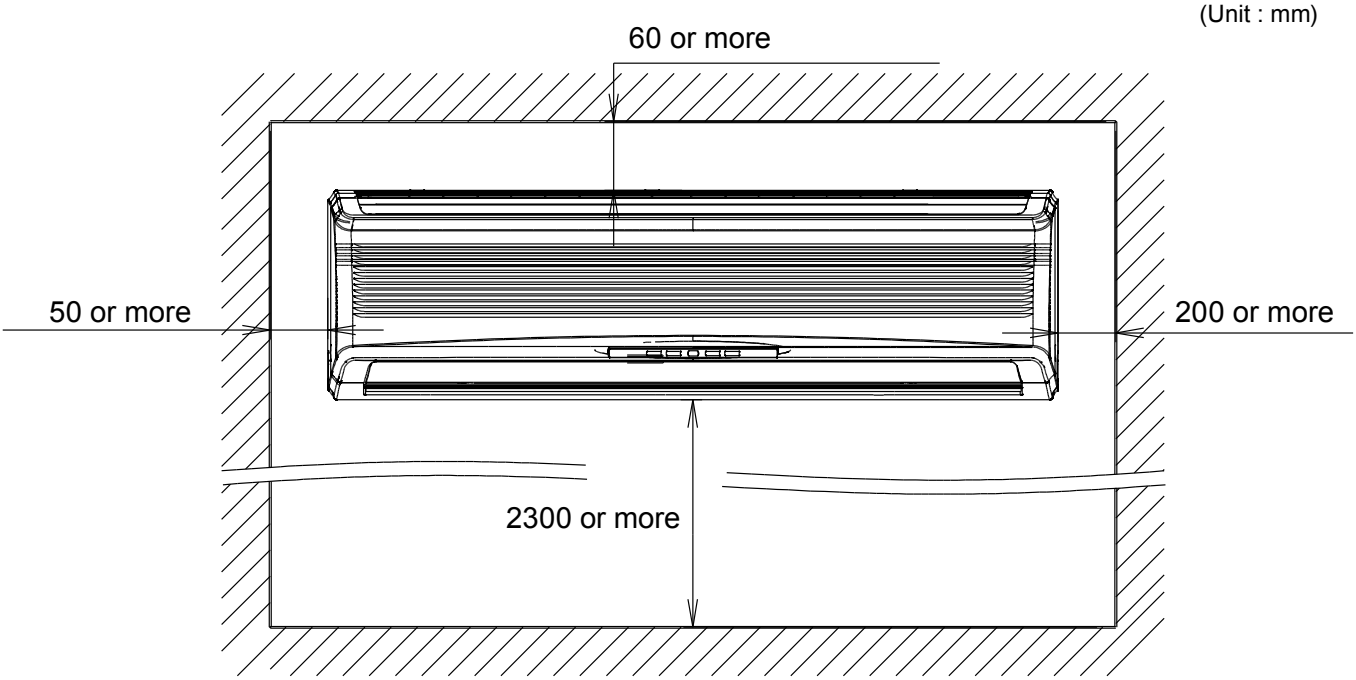


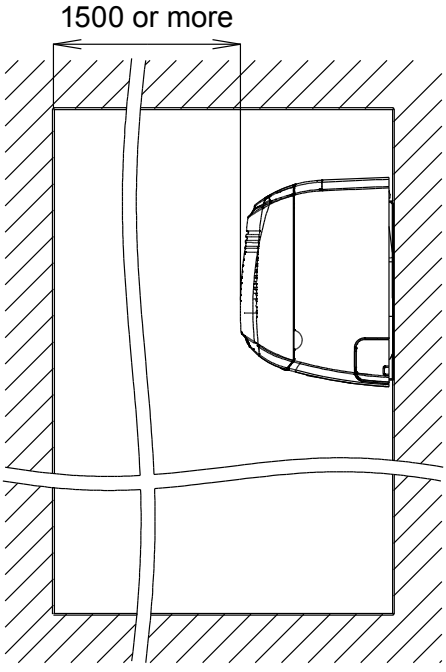
			AS∗A18, AS∗A24, AS∗A30
①	Refrigerant pipe flare connection	Liquid	ø 9.52 mm
②		Gas	ø 15.88 mm
③	Drain hose connection	Drain hose	I.D. 12 mm , O.D. 16 mm Drain hose : L=670mm

INDOOR UNITS

■ INSTALLATION PLACE

(Unit : mm)



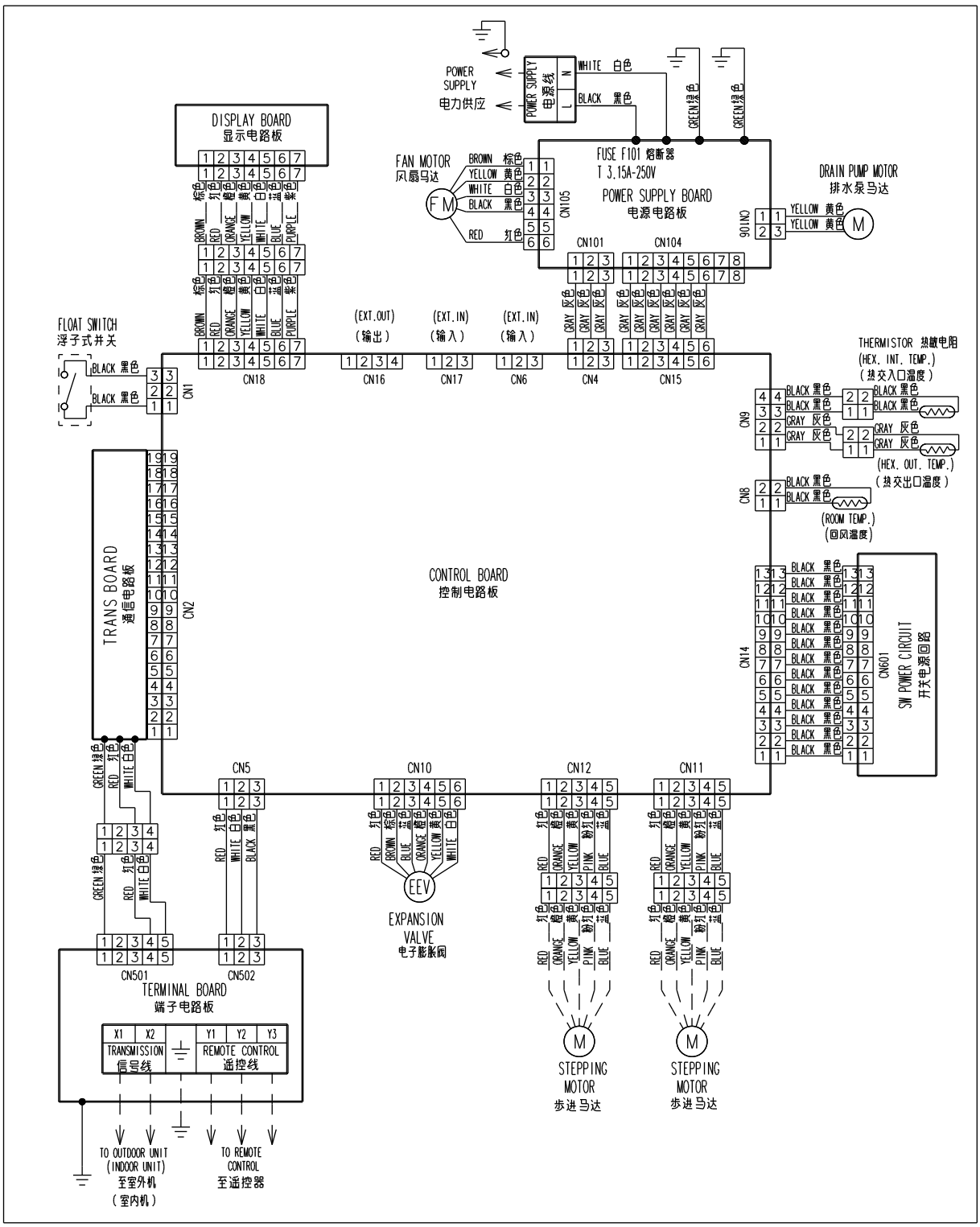


INDOOR UNITS

4-5. WIRING DIAGRAMS

4-5-1. COMPACT CASSETTE TYPE

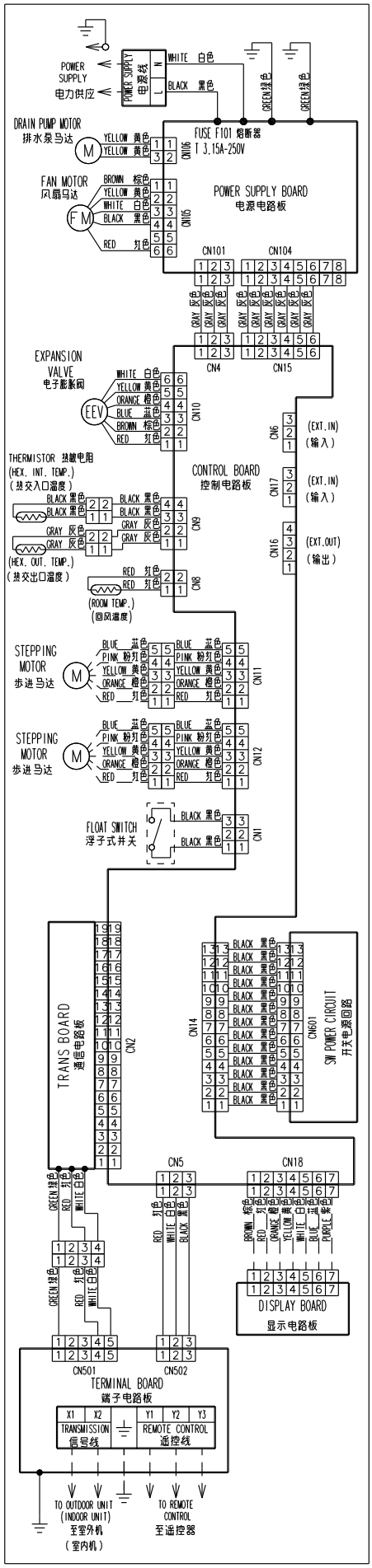
■ MODELS : AUXB07, AUXB09, AUXB12, AUXB14, AUXB18, AUXB24



INDOOR UNITS

4-5-2. CASSETTE TYPE

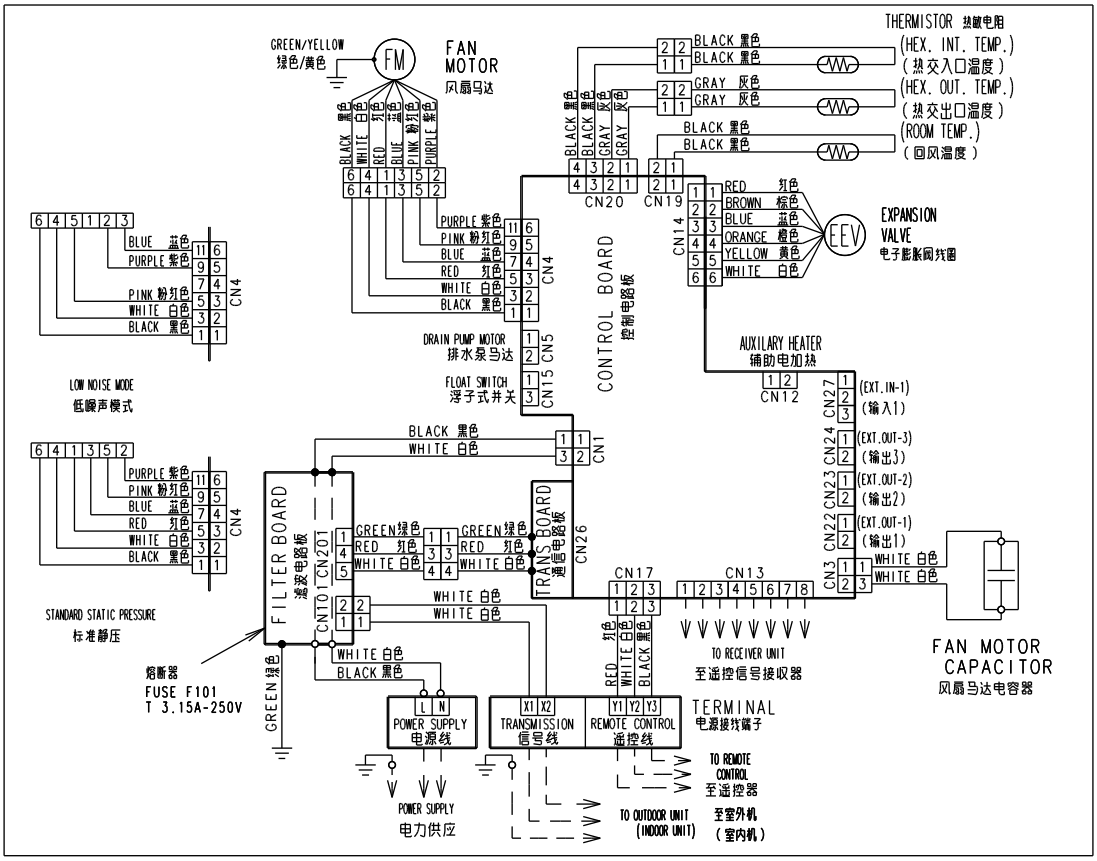
■ MODELS : AUXD18, AUXD24, AUXA30, AUXA36, AUXA45, AUXA54



INDOOR UNITS

4-5-3. COMPACT DUCT TYPE

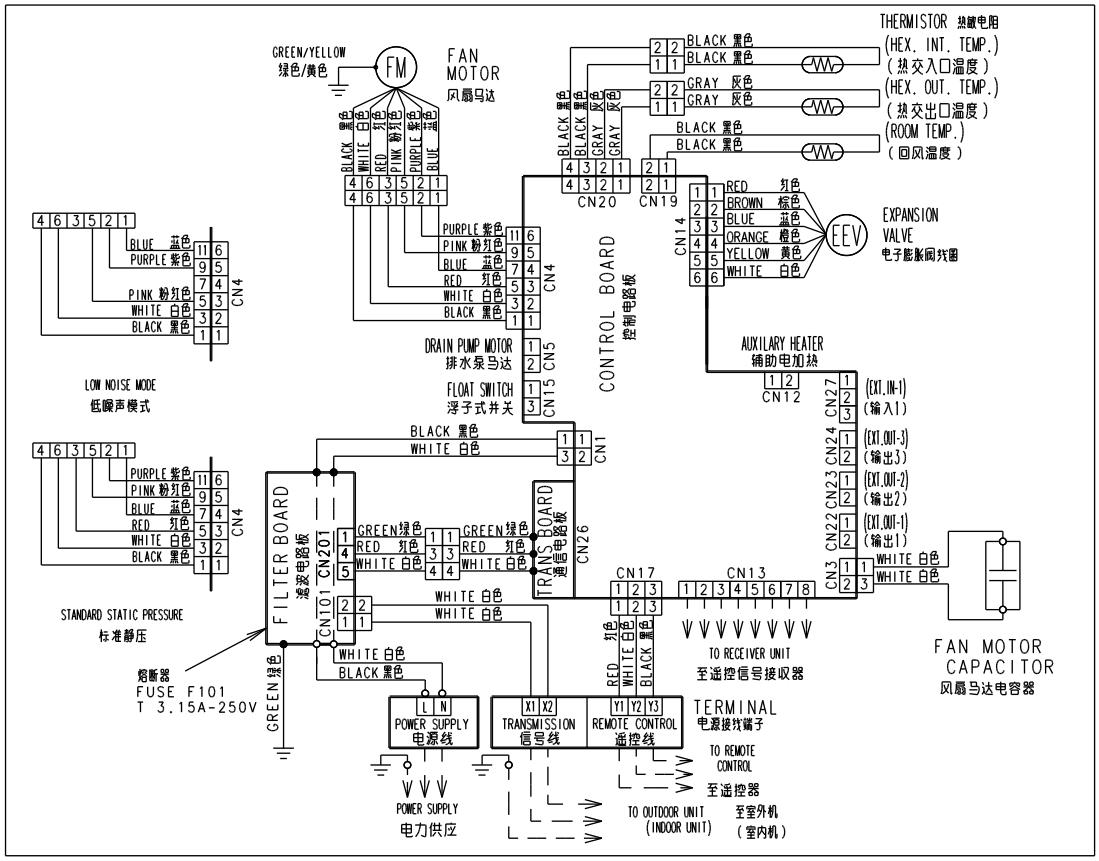
■ MODELS : ARXB07, ARXB09, ARXB12, ARXB14, ARXB18



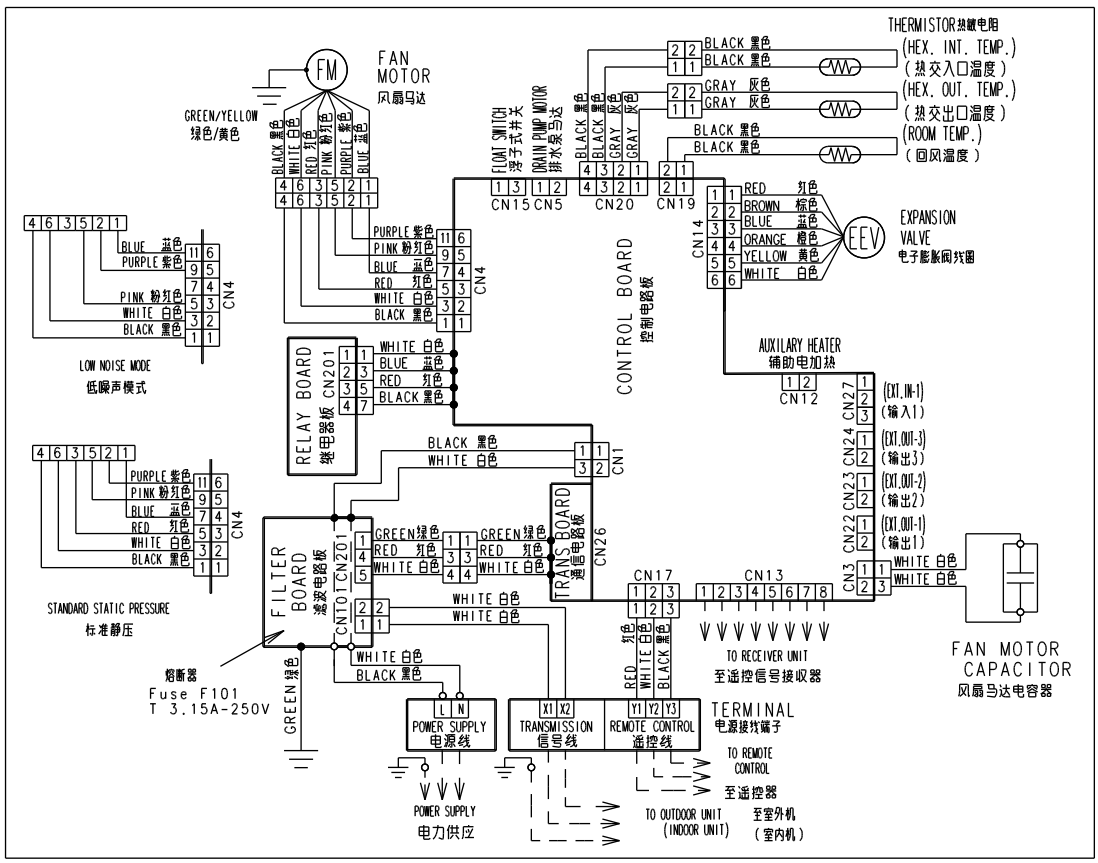
INDOOR UNITS

4-5-4. LOW STATIC PRESSURE DUCT TYPE

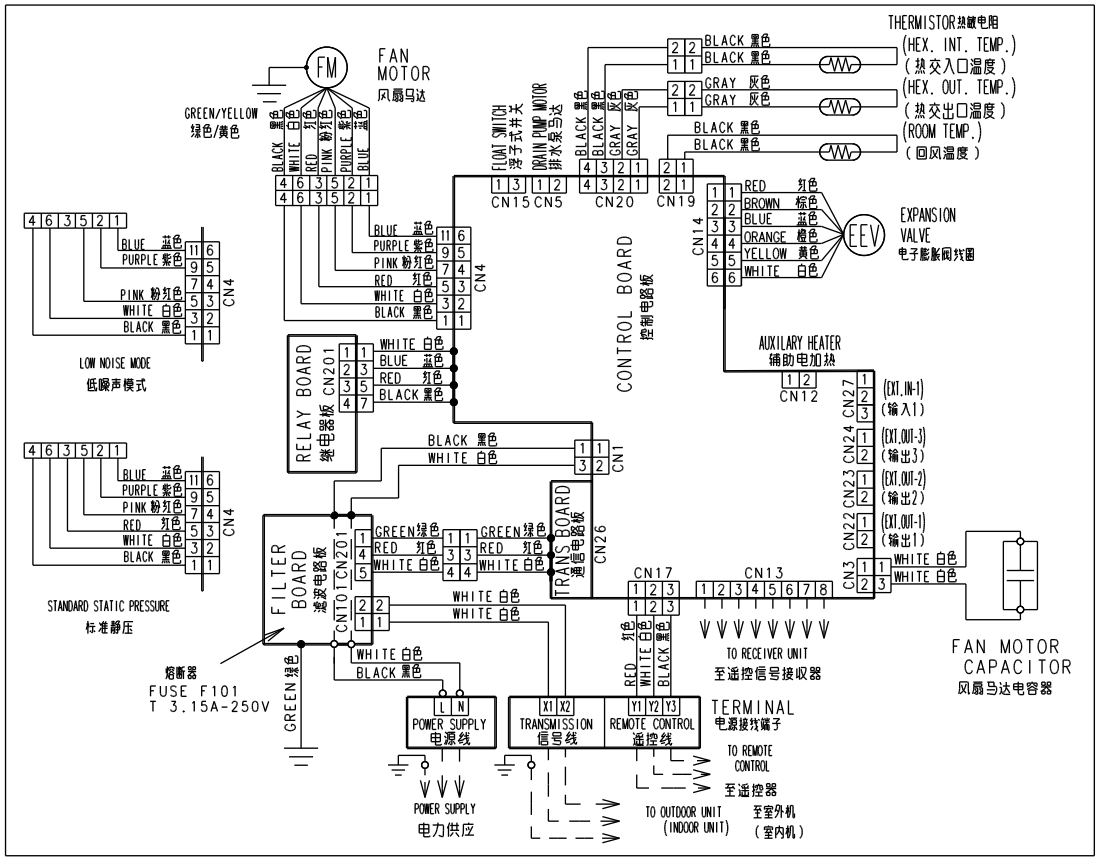
■ MODEL : ARXB24



■ MODELS : ARXB30, ARXB36



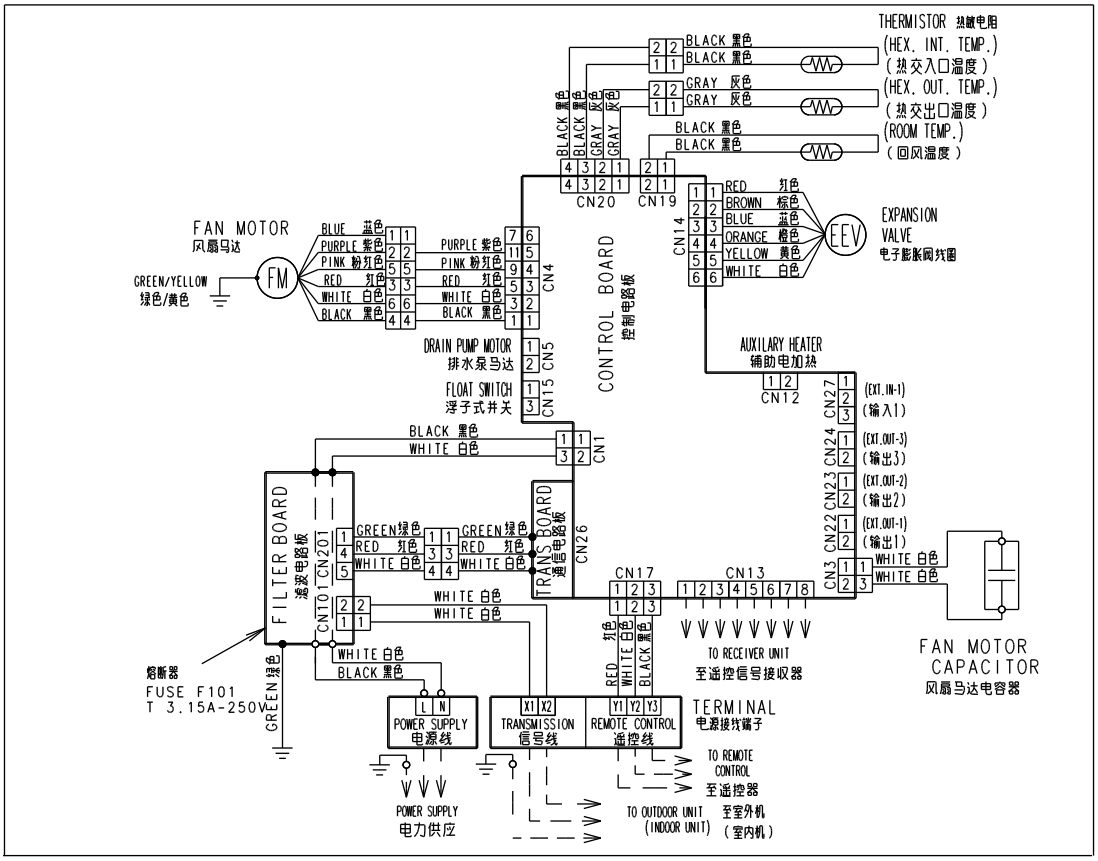
■ MODEL : ARXB45



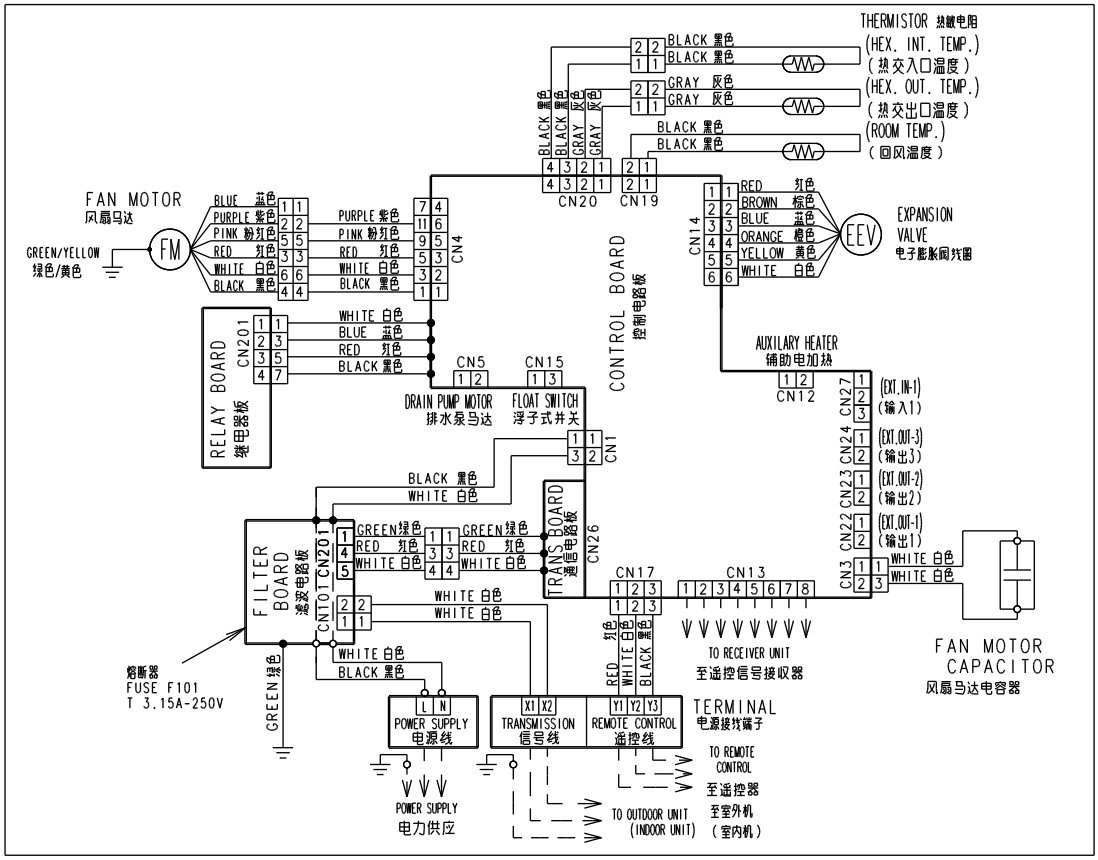
INDOOR UNITS

4-5-5. DUCT TYPE

■ MODEL : ARXA24



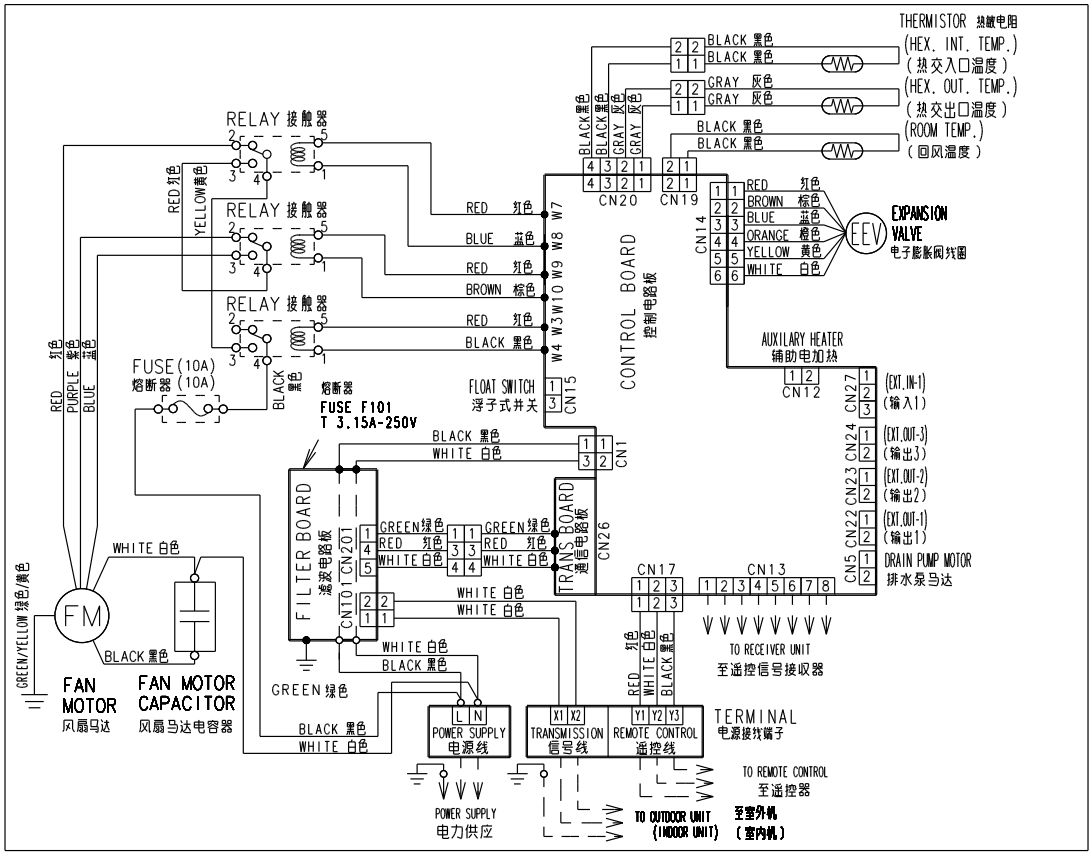
■ MODELS : ARXA30, ARXA36, ARXA45



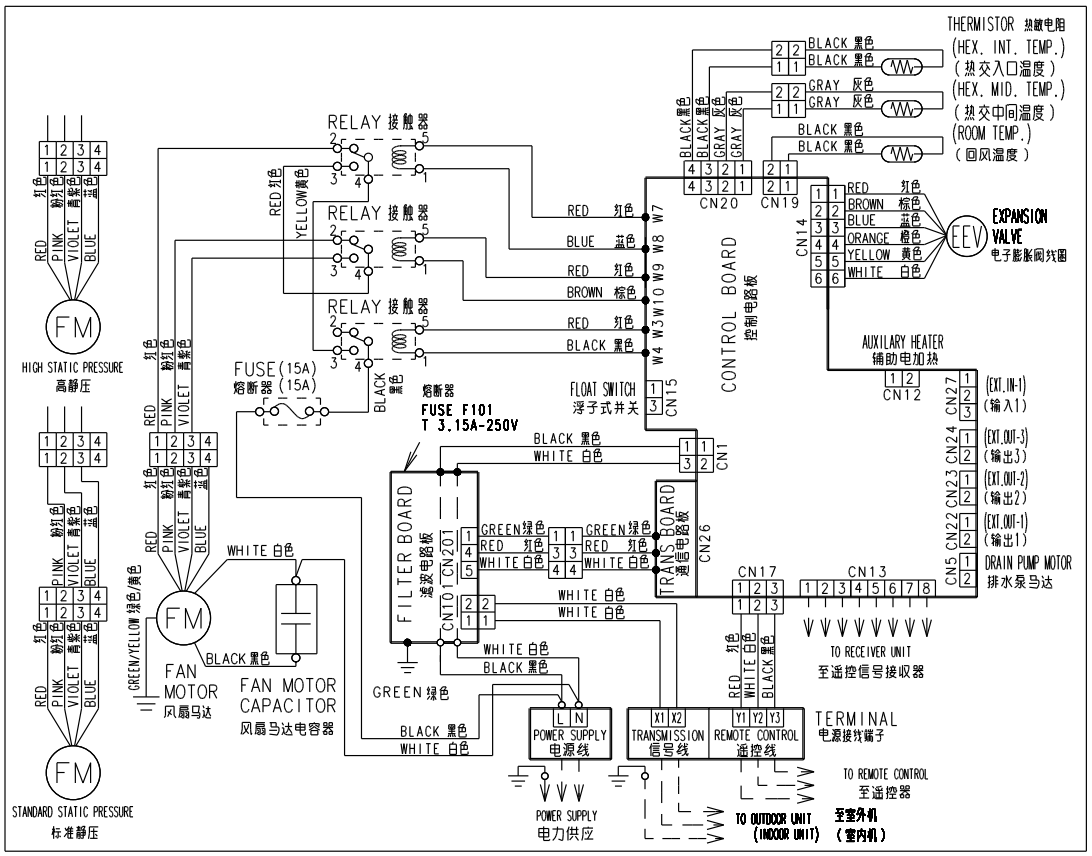
INDOOR UNITS

4-5-6. HIGH STATIC PRESSURE DUCT TYPE

■ MODELS : ARXC36, ARXC45, ARXC60



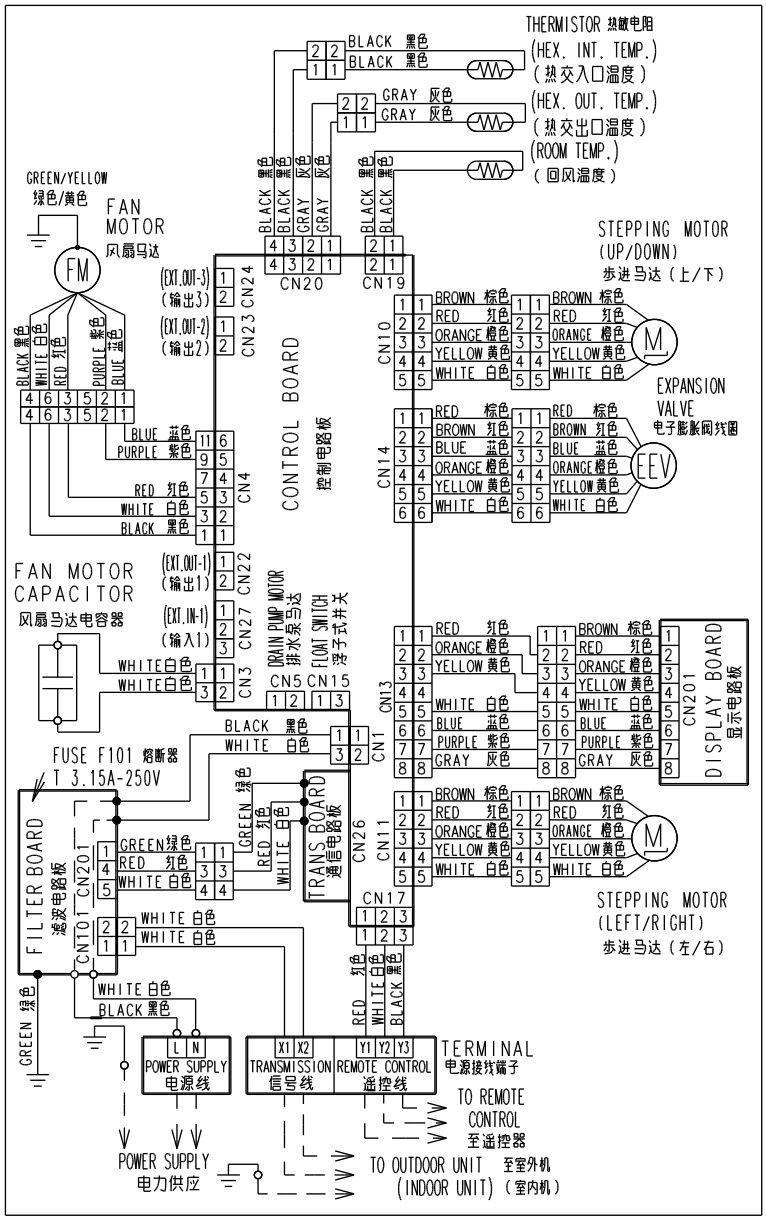
■ MODELS : ARXC72, ARXC90



INDOOR UNITS

4-5-7. FLOOR / CEILING TYPE

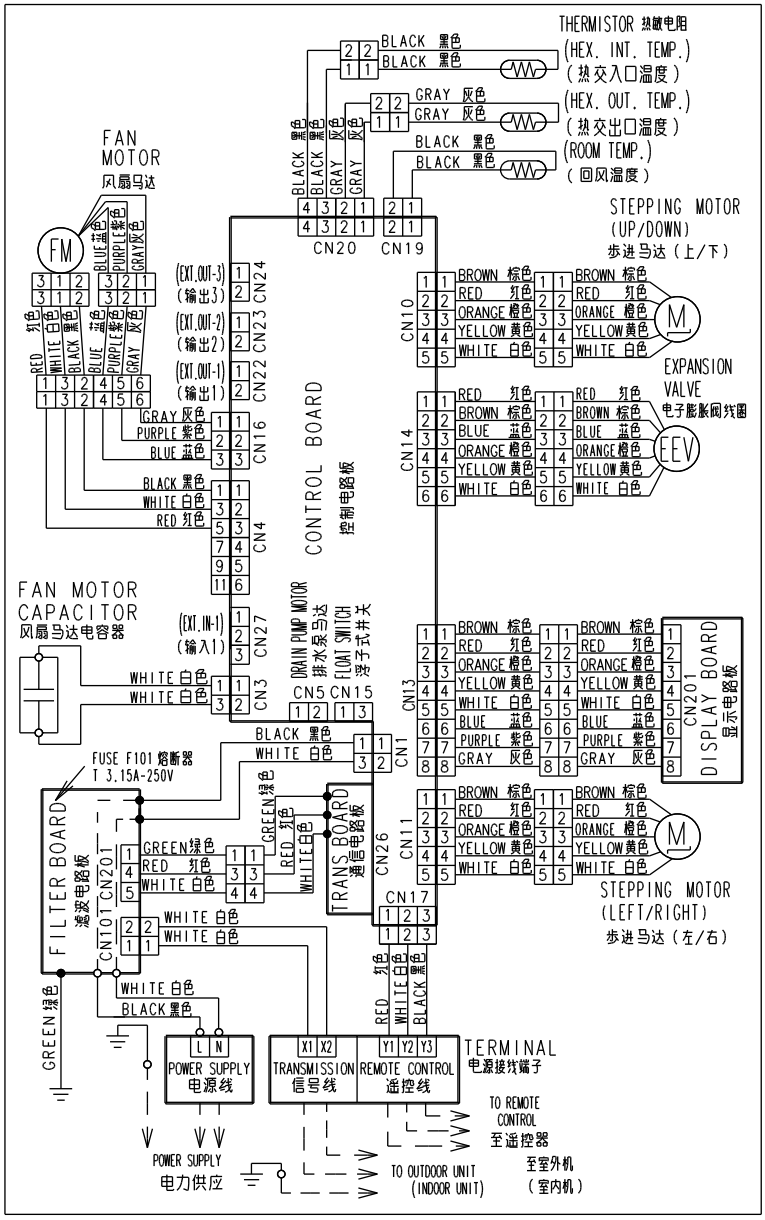
■ MODELS : AB∗A12, AB∗A14, AB∗A18, AB∗A24



INDOOR UNITS

4-5-8. CEILING TYPE

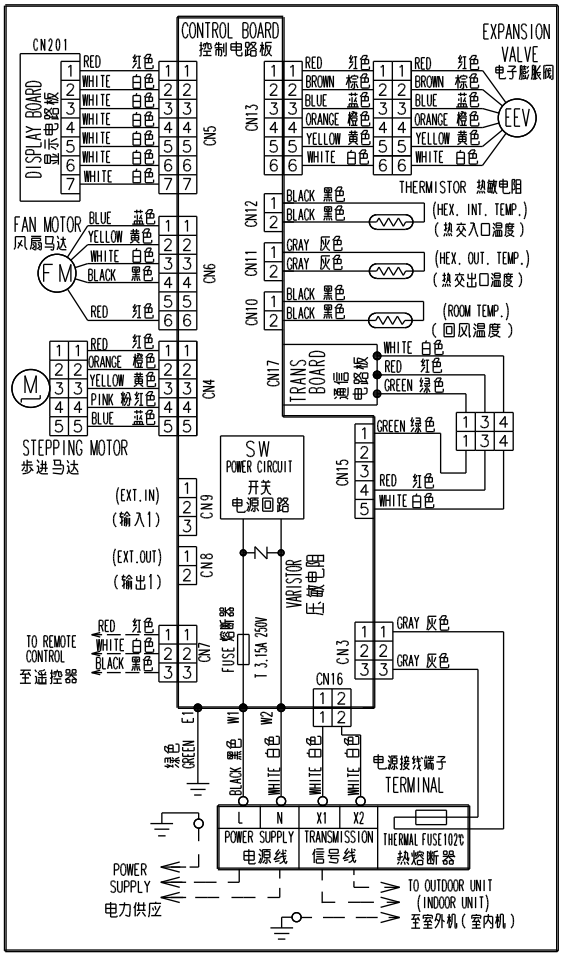
■ MODELS : AB∗A30, AB∗A36, AB∗A45, AB∗A54



INDOOR UNITS

4-5-9. COMPACT WALL MOUNTED TYPE (EEV internal model)

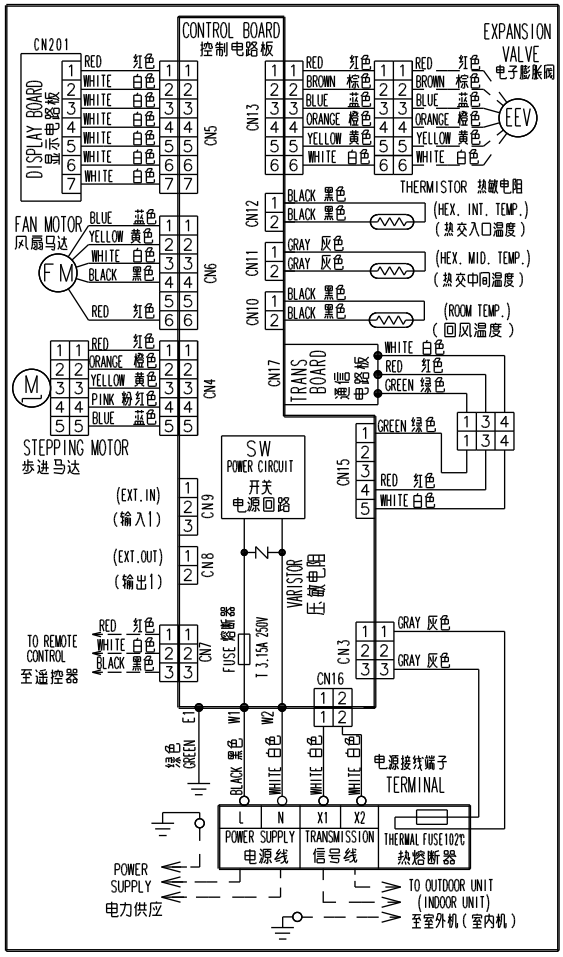
■ MODELS : AS∗A07, AS∗A09, AS∗A12, AS∗A14



INDOOR UNITS

4-5-10. COMPACT WALL MOUNTED TYPE (EEV external model)

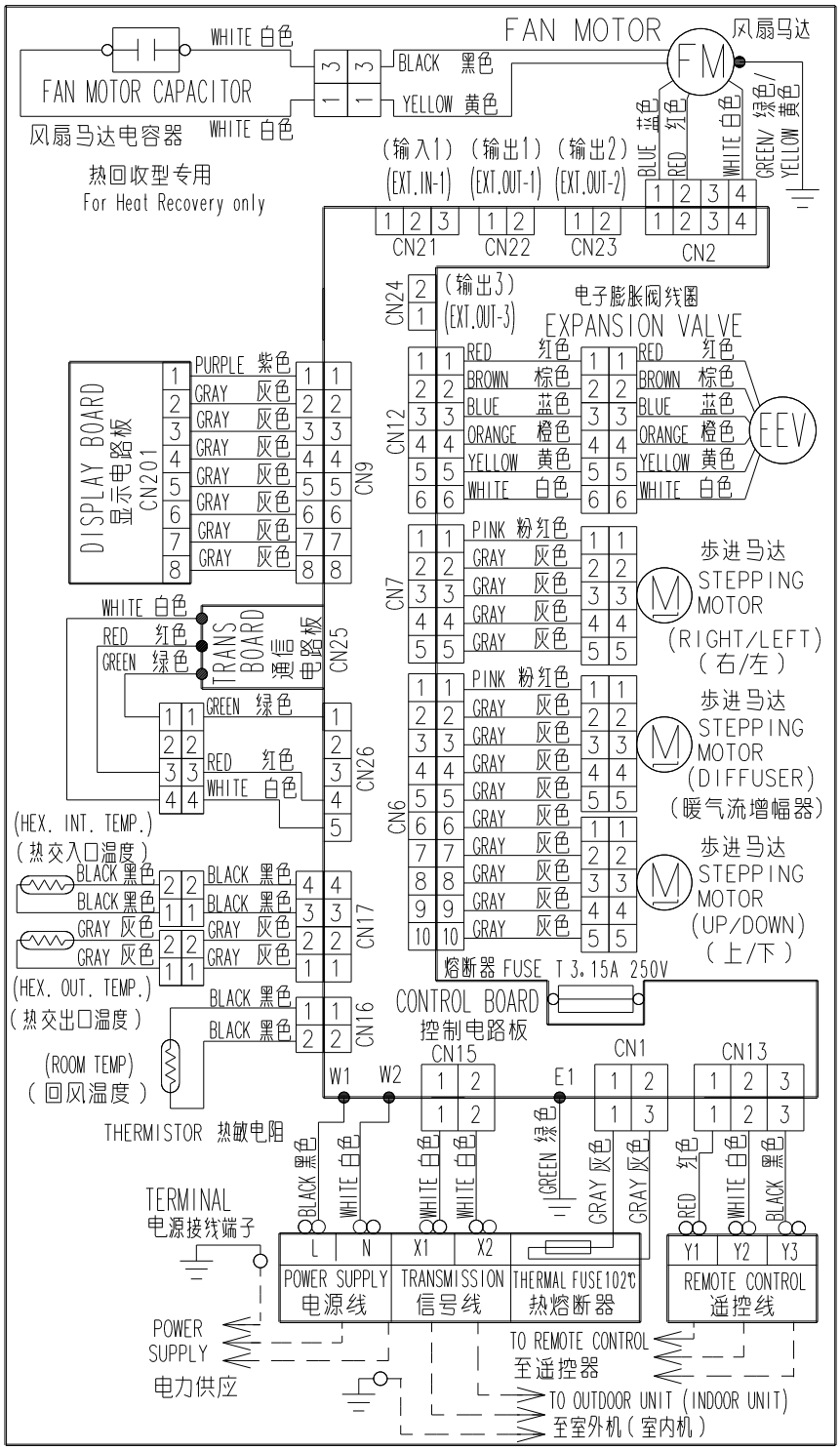
■ MODELS : AS∗E07, AS∗E09, AS∗E12, AS∗E14



INDOOR UNITS

4-5-11. WALL MOUNTED TYPE

■ MODELS : AS∗A18, AS∗A24, AS∗A30



INDOOR UNITS

4-6. AIR VELOCITY AND TEMPERATURE DISTRIBUTIONS

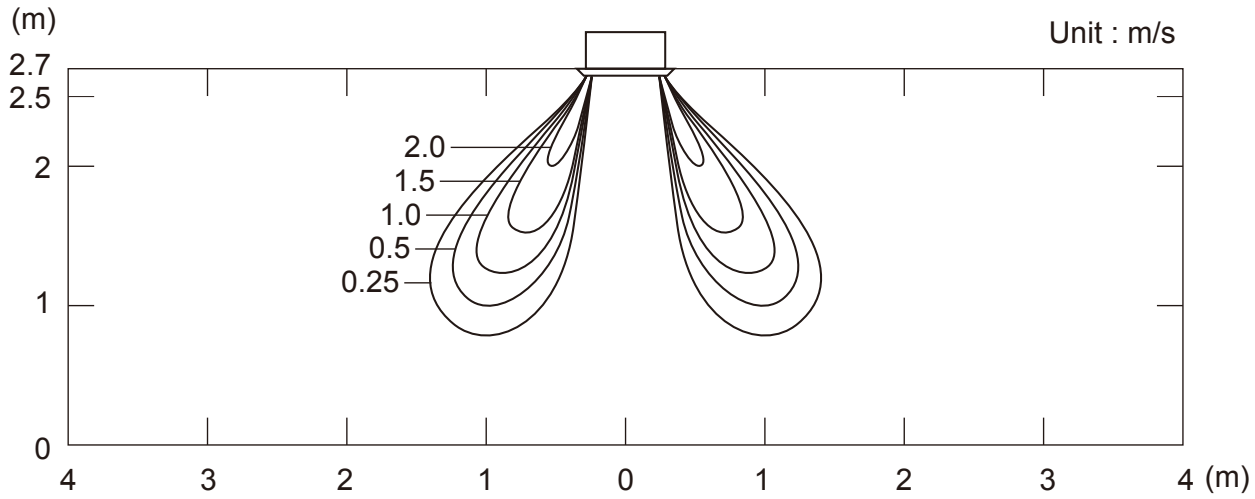
4-6-1. COMPACT CASSETTE TYPE

Conditions
Fan speed : High
Operation mode : Heat
Voltage : 230V

■ MODELS : AUXB07, AUXB09

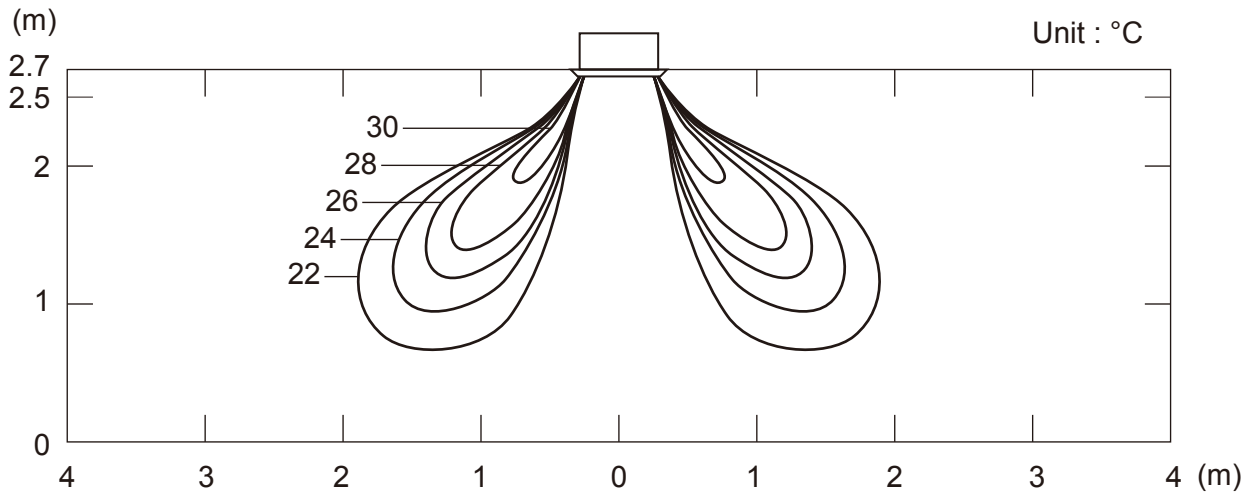
● Air velocity distribution

Side view
Vertical flap : Down



● Air temperature distribution

Side view
Vertical flap : Down



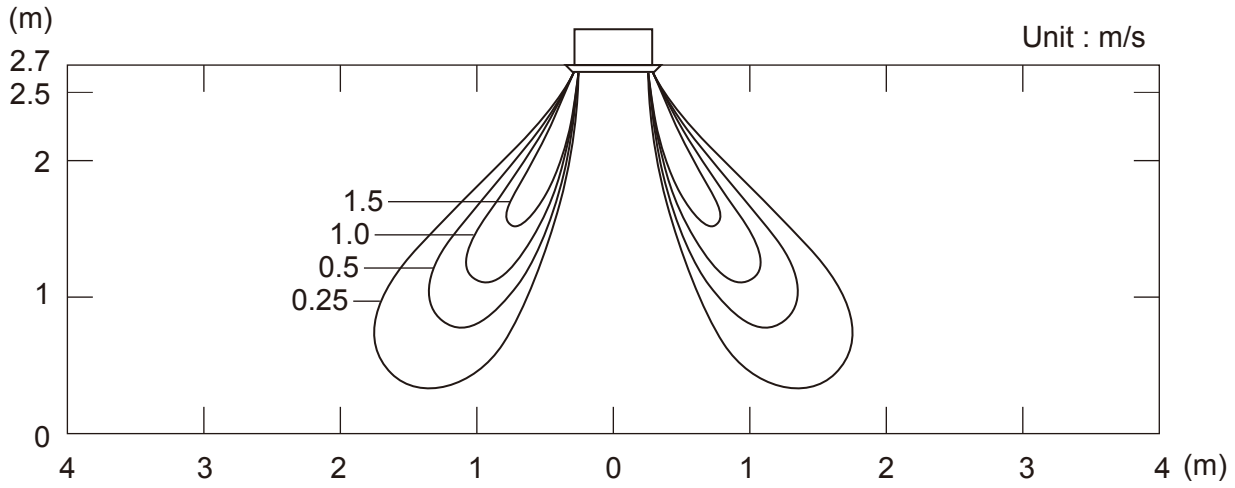
INDOOR UNITS

■ MODEL : AUXB12

Conditions
Fan speed : High
Operation mode : Heat
Voltage : 230V

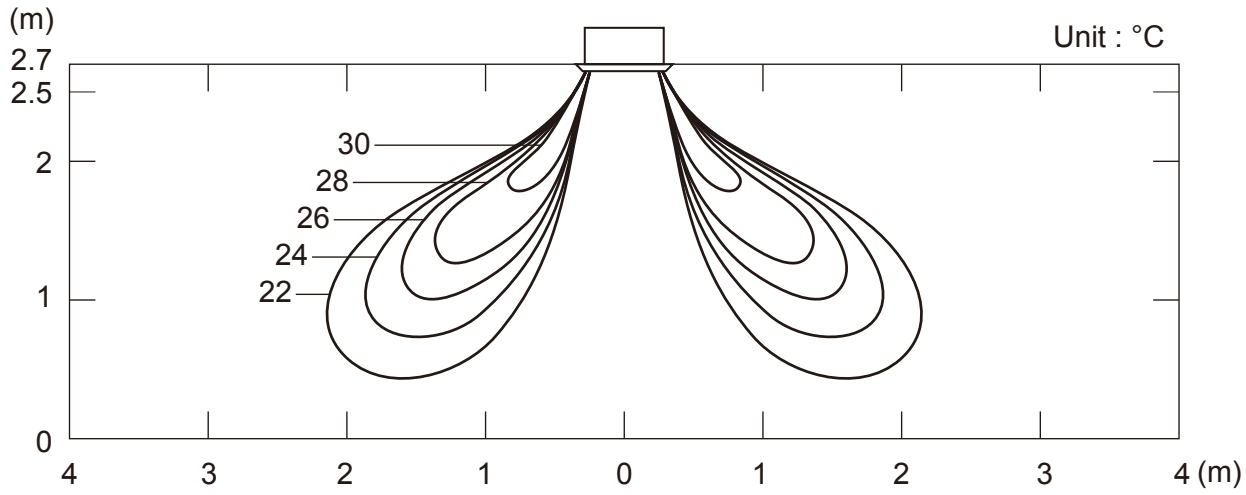
● Air velocity distribution

Side view
Vertical flap : Down



● Air temperature distribution

Side view
Vertical flap : Down

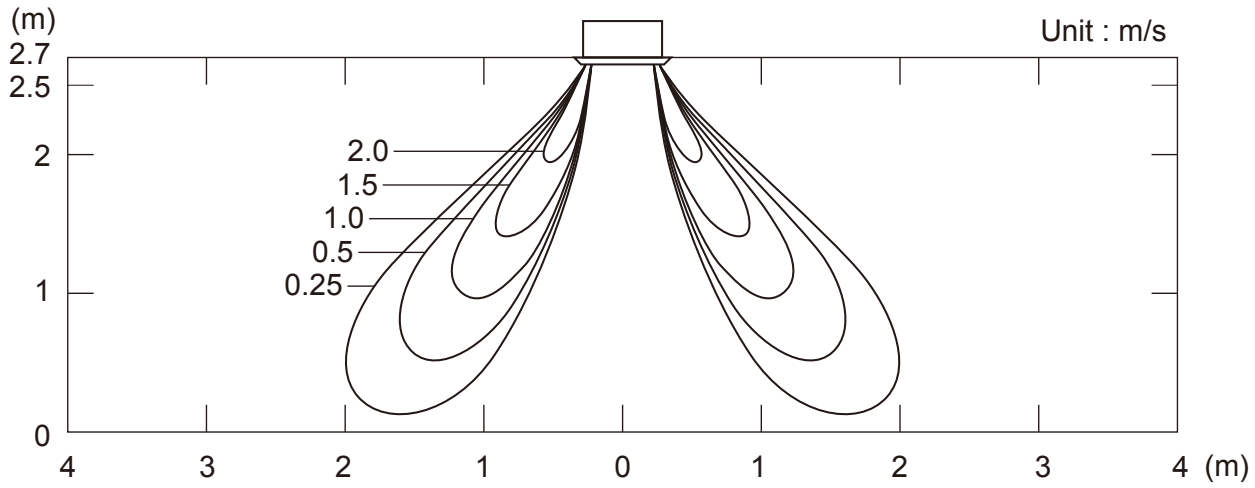


■ MODELS : AUXB14, AUXB18

Conditions
Fan speed : High
Operation mode : Heat
Voltage : 230V

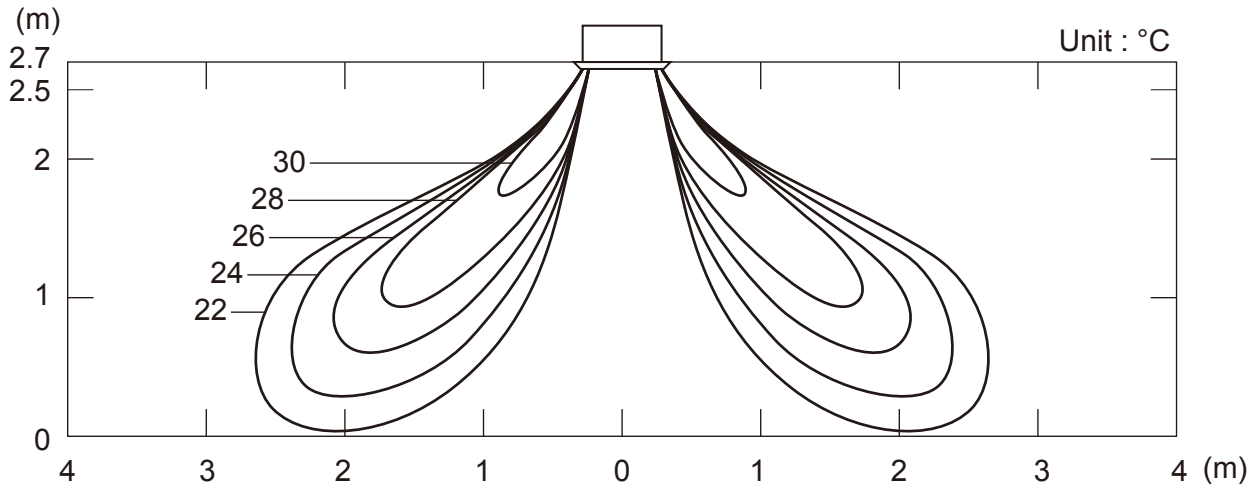
● Air velocity distribution

Side view
Vertical flap : Down



● Air temperature distribution

Side view
Vertical flap : Down

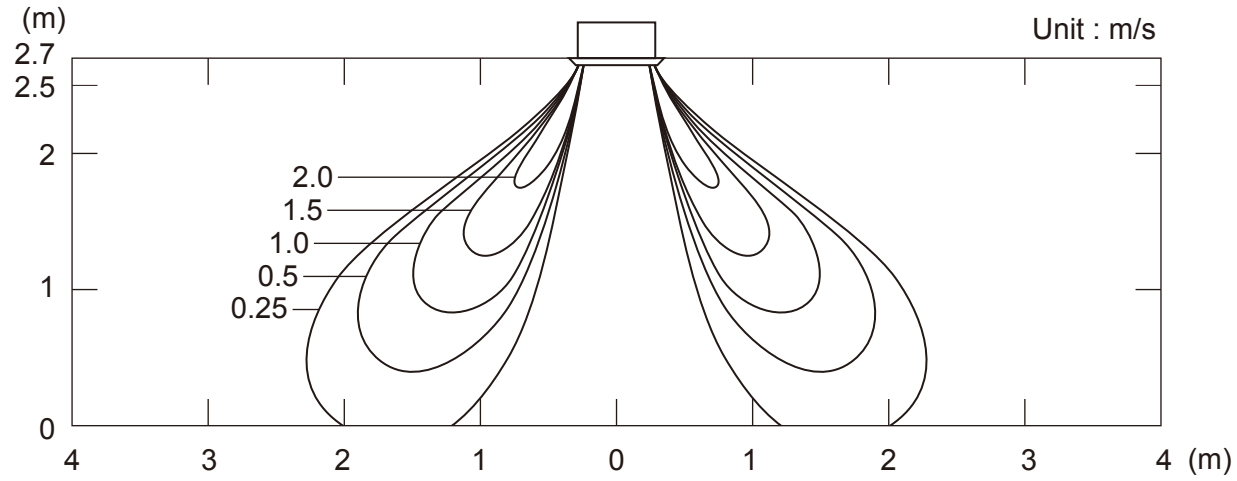


■ MODEL : AUXB24

Conditions
Fan speed : High
Operation mode : Heat
Voltage : 230V

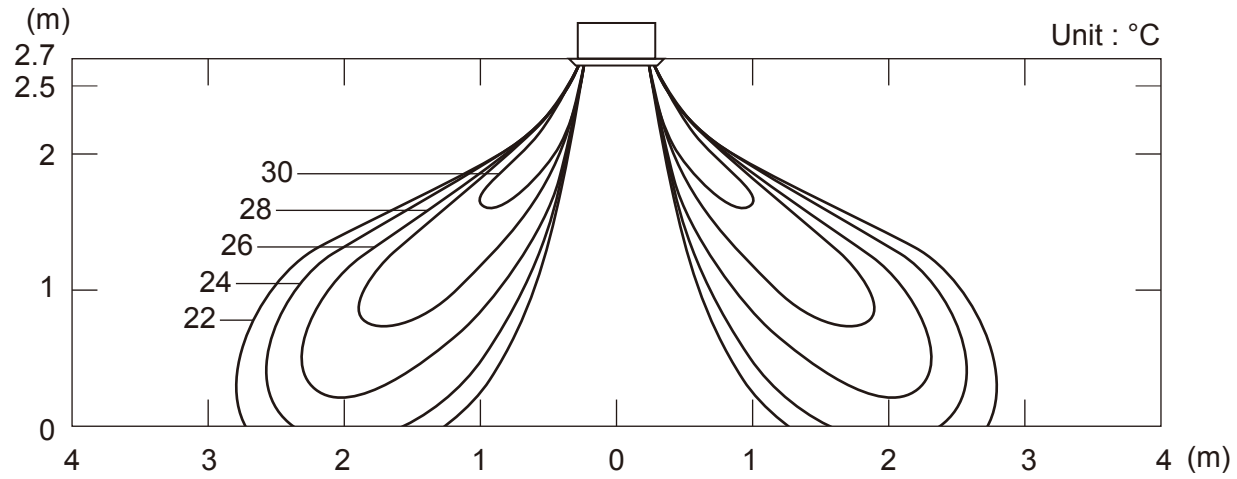
● Air velocity distribution

Side view
Vertical flap : Down



● Air temperature distribution

Side view
Vertical flap : Down



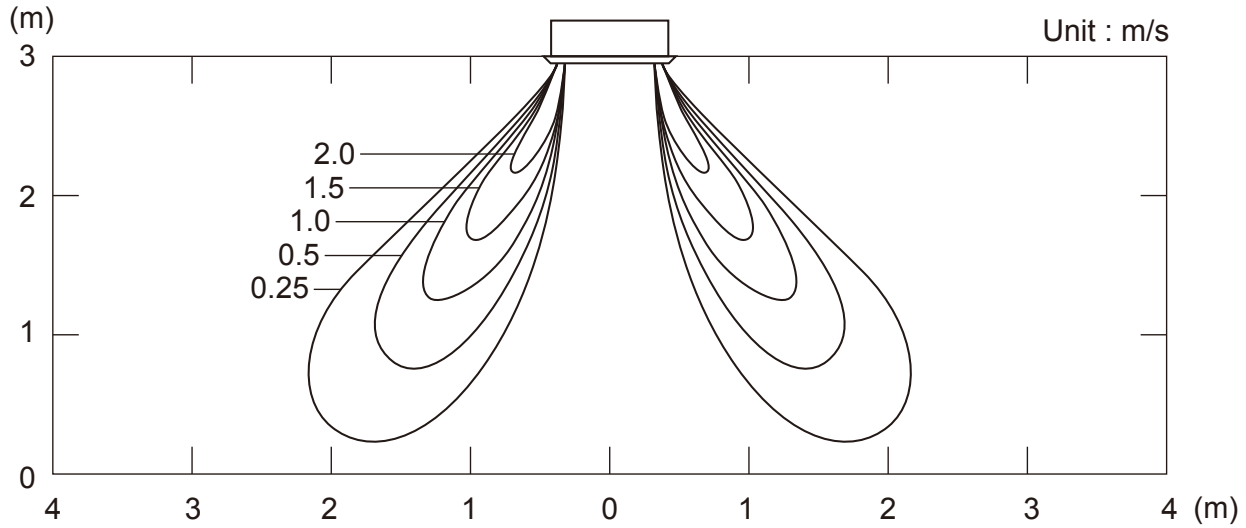
4-6-2. CASSETTE TYPE

■ MODEL : AUXD18

Conditions
Fan speed : High
Operation mode : Heat
Voltage : 230V

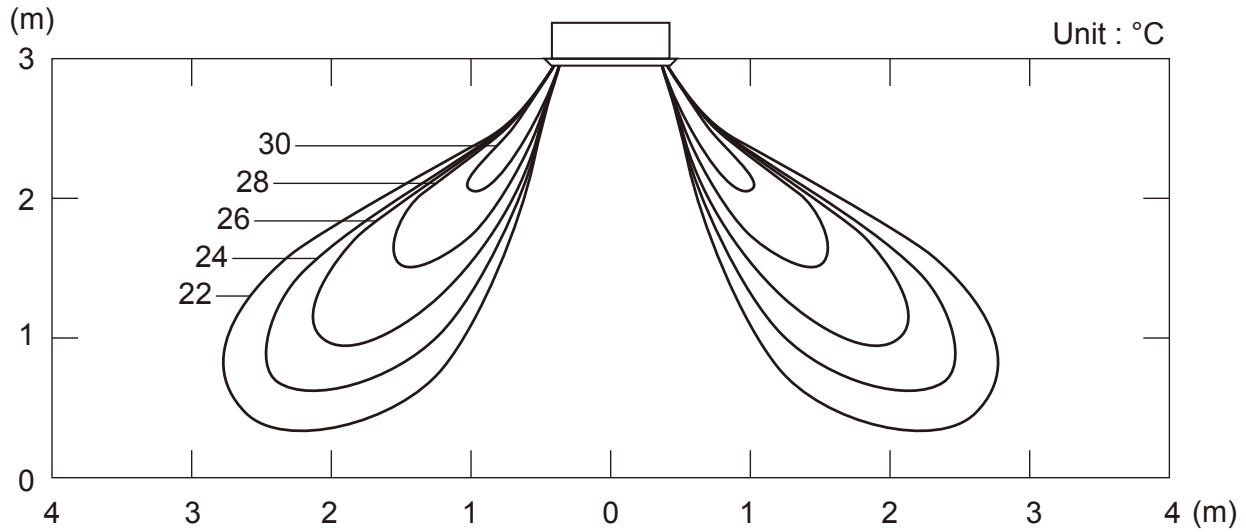
● Air velocity distribution

Side view
Vertical flap : Down



● Air temperature distribution

Side view
Vertical flap : Down



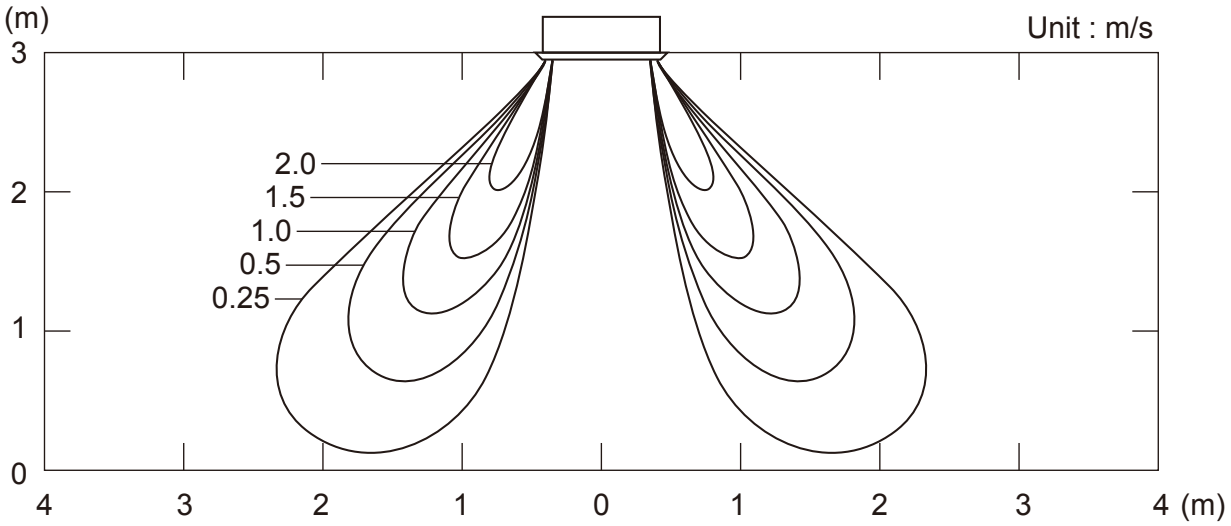
INDOOR UNITS

■ MODEL : AUXD24

Conditions
Fan speed : High
Operation mode : Heat
Voltage : 230V

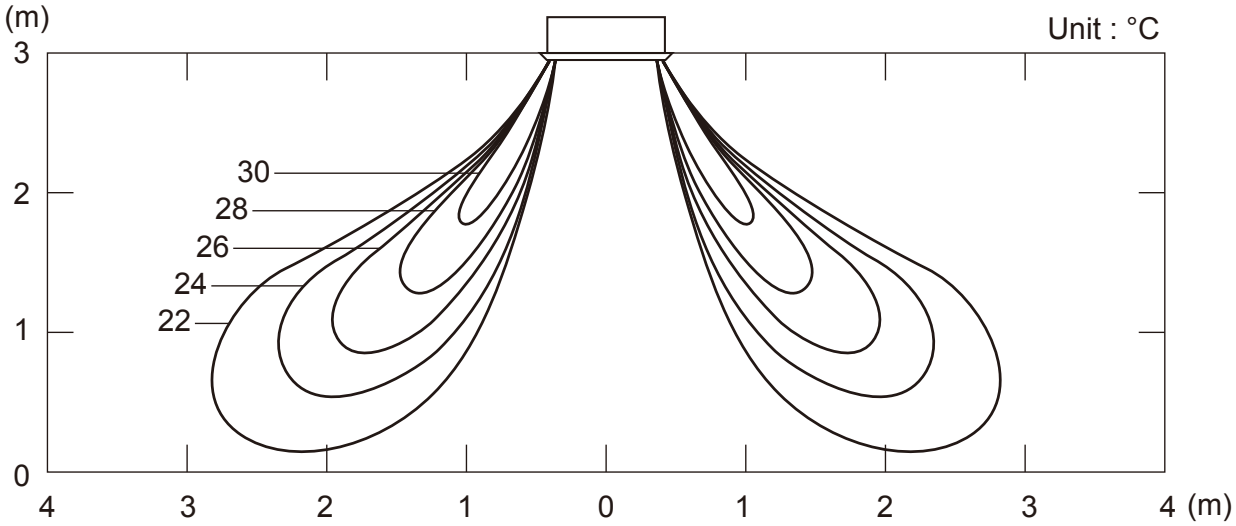
● Air velocity distribution

Side view
Vertical flap : Down



● Air temperature distribution

Side view
Vertical flap : Down

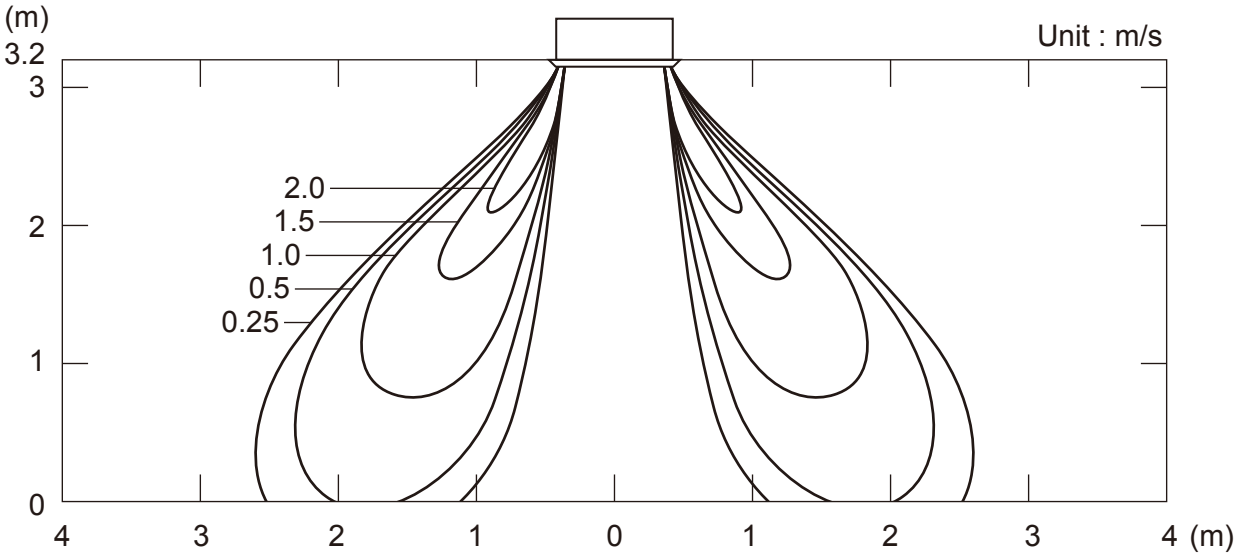


■ MODELS : AUXA30, AUXA36

Conditions
Fan speed : High
Operation mode : Heat
Voltage : 230V

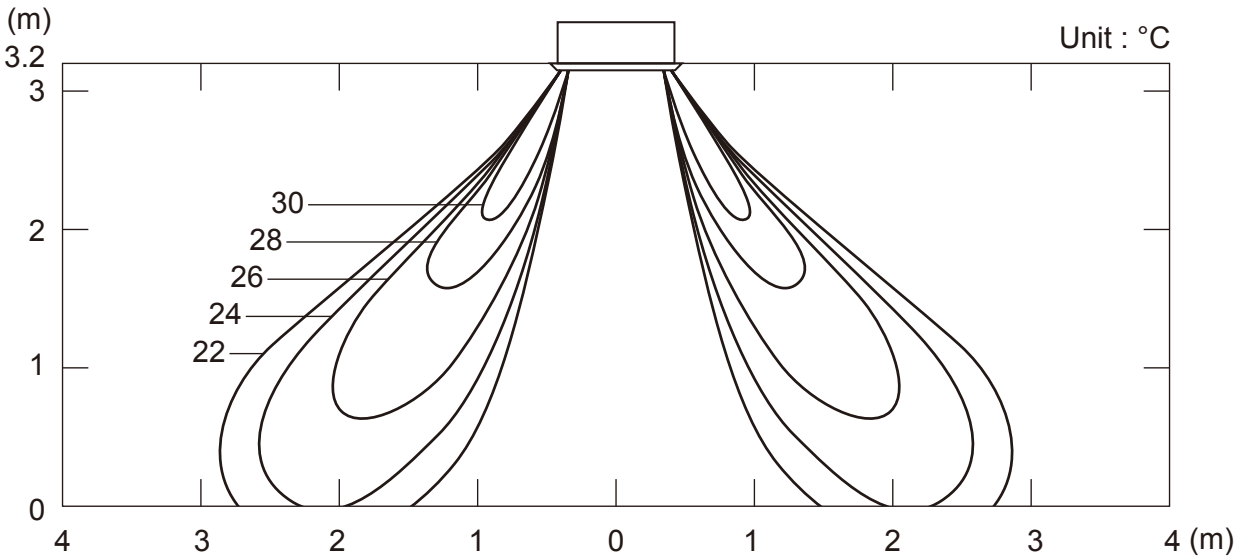
● Air velocity distribution

Side view
Vertical flap : Down



● Air temperature distribution

Side view
Vertical flap : Down

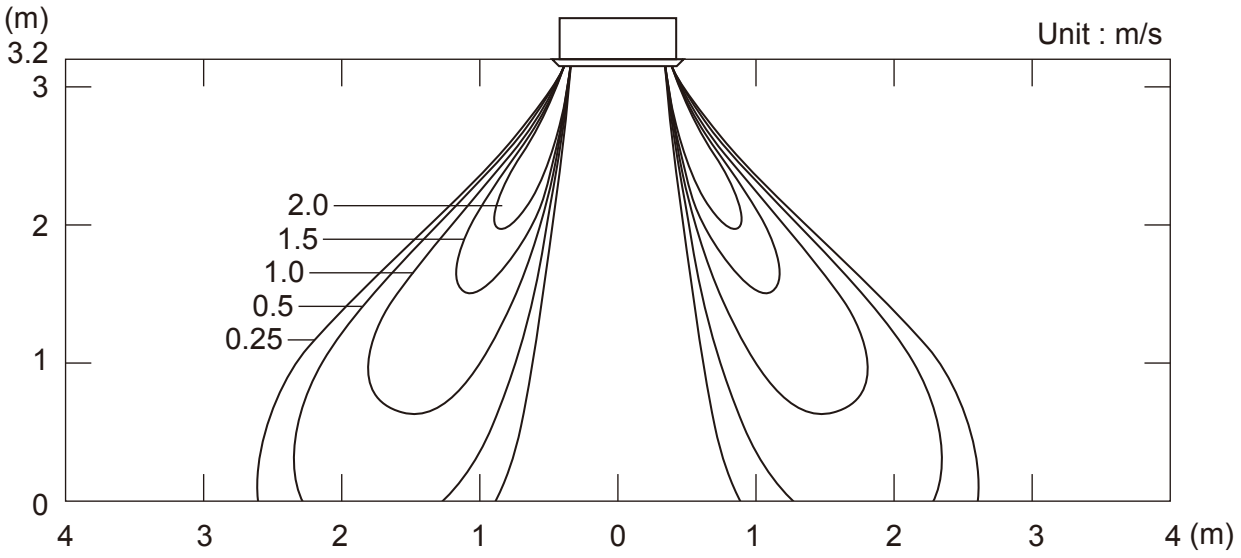


■ MODELS : AUXA45, AUXA54

Conditions
Fan speed : High
Operation mode : Heat
Voltage : 230V

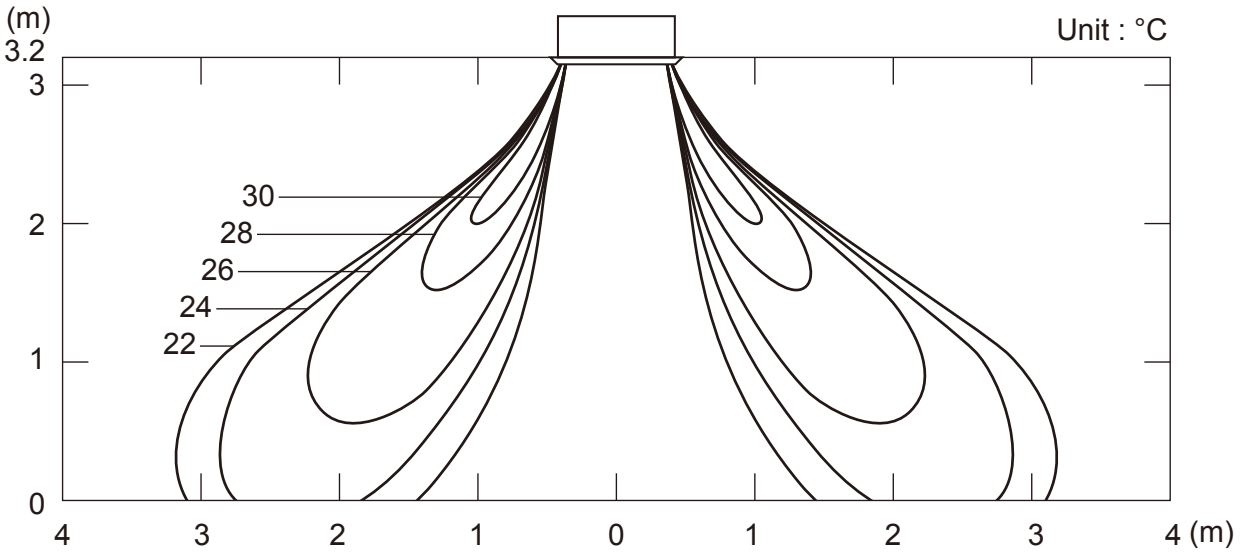
● Air velocity distribution

Side view
Vertical flap : Down



● Air temperature distribution

Side view
Vertical flap : Down

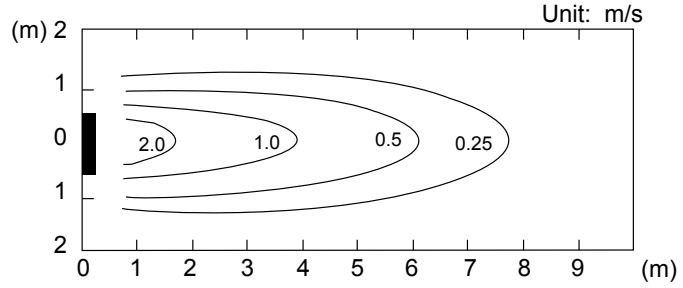


4-6-3. FLOOR / CEILING TYPE

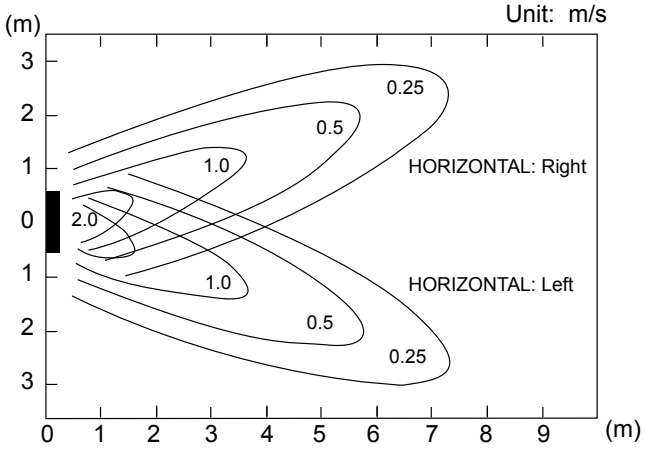
■ MODELS : AB∗A12, AB∗A14 (FLOOR CONSOLE)

Conditions
Fan speed : High
Operation mode : Fan
Voltage : 230V

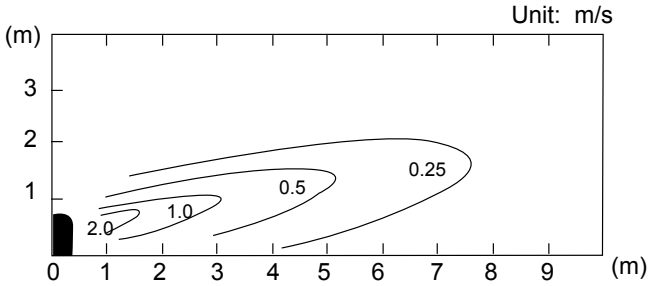
Top view
Vertical flap : Down
Horizontal flap : Center

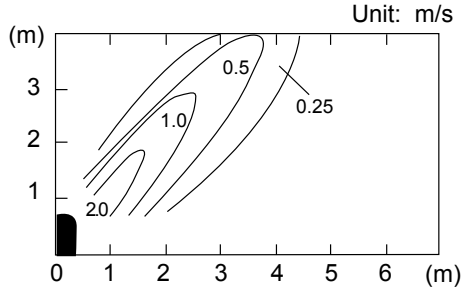


Top view
Vertical flap : Down
Horizontal flap : Right & Left

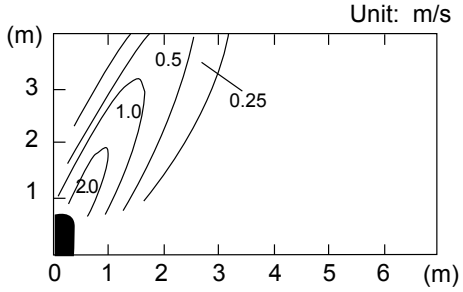


Side view
Vertical flap : Down
Horizontal flap : Center





Side view
Vertical flap : Center
Horizontal flap : Center



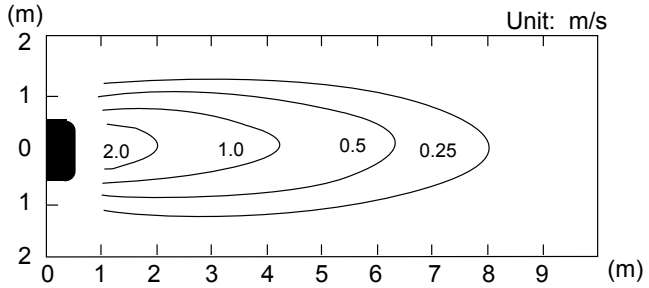
Side view
Vertical flap : Up
Horizontal flap : Center

■ MODELS : AB∗A12, AB∗A14 (UNDER CEILING)

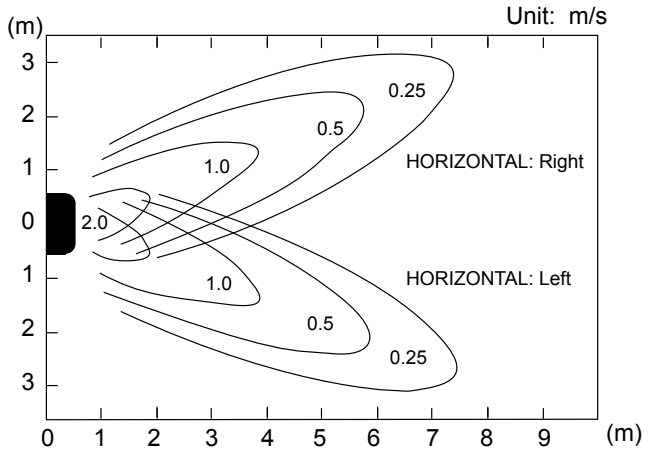
Conditions	
Fan speed	: High
Operation mode	: Fan
Voltage	: 230V

INDOOR UNITS

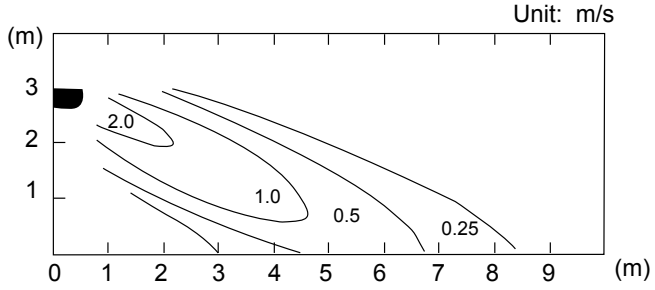
Top view
Vertical flap : Up
Horizontal flap : Center

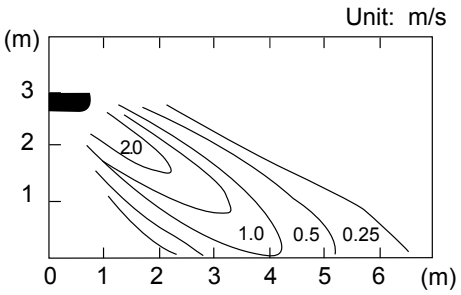


Top view
Vertical flap : Up
Horizontal flap : Right & Left

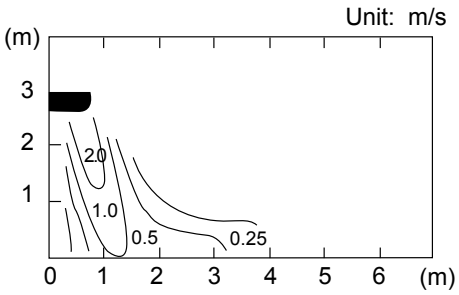


Side view
Vertical flap : Up
Horizontal flap : Center





Side view
Vertical flap : Center
Horizontal flap : Center

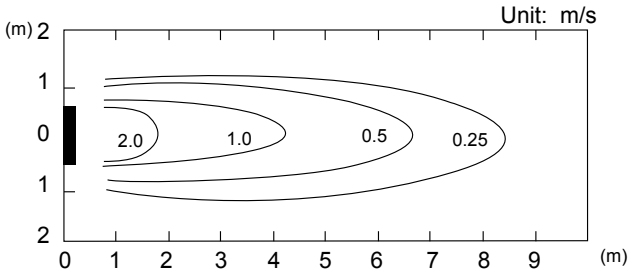


Side view
Vertical flap : Down
Horizontal flap : Center

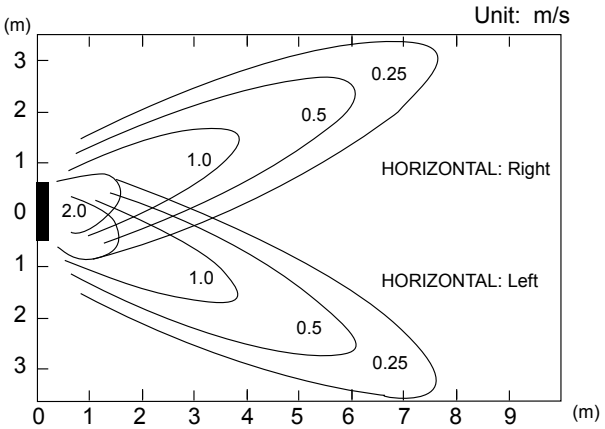
■ MODEL : AB∗A18 (FLOOR CONSOLE)

Conditions
Fan speed : High
Operation mode : Fan
Voltage : 230V

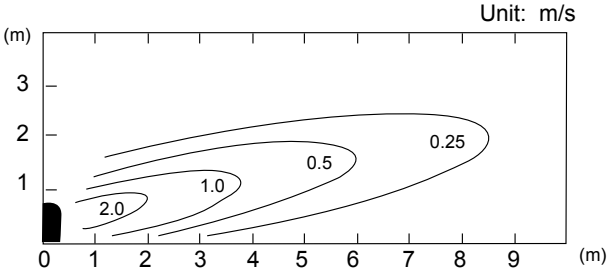
Top view
Vertical flap : Down
Horizontal flap : Center

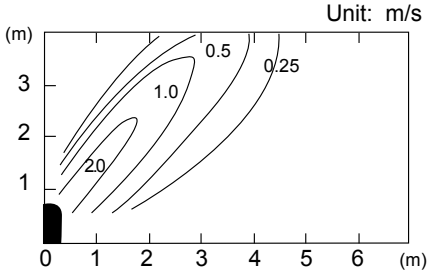


Top view
Vertical flap : Down
Horizontal flap : Right & Left

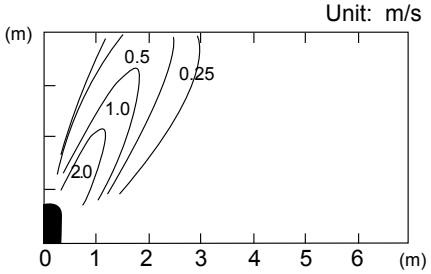


Side view
Vertical flap : Down
Horizontal flap : Center





Side view
Vertical flap : Center
Horizontal flap : Center

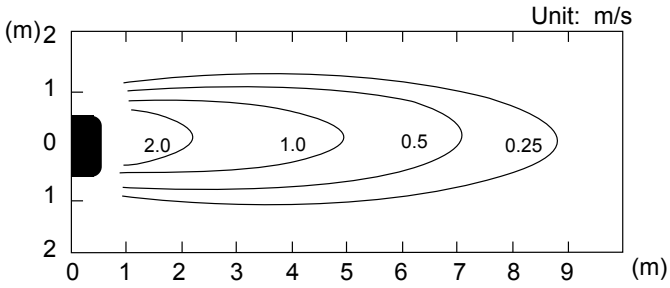


Side view
Vertical flap : Up
Horizontal flap : Center

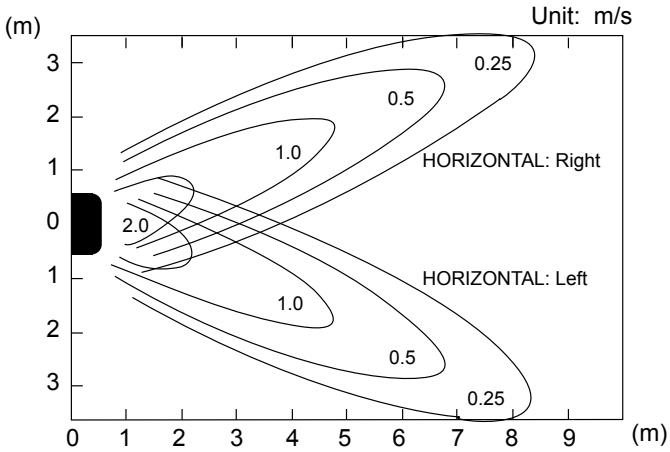
■ MODEL : AB∗A18 (UNDER CEILING)

Conditions
Fan speed : High
Operation mode : Fan
Voltage : 230V

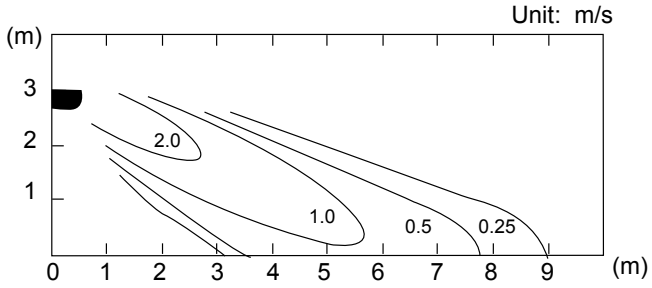
Top view
Vertical flap : Up
Horizontal flap : Center

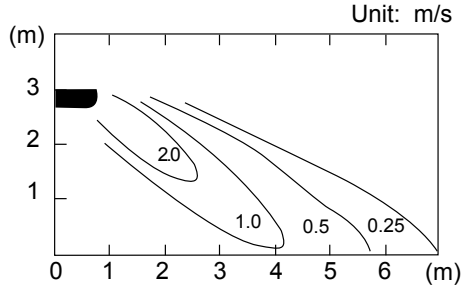


Top view
Vertical flap : Up
Horizontal flap : Right & Left

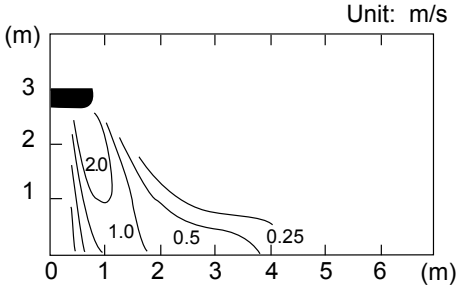


Side view
Vertical flap : Up
Horizontal flap : Center





Side view
Vertical flap : Center
Horizontal flap : Center

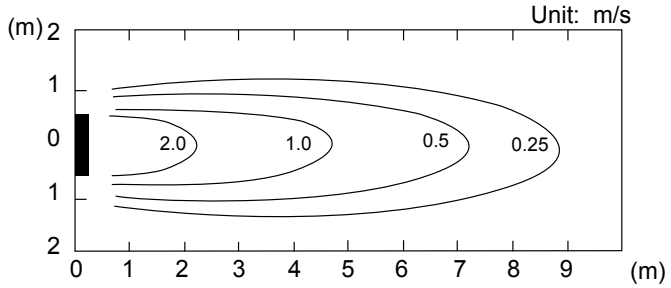


Side view
Vertical flap : Down
Horizontal flap : Center

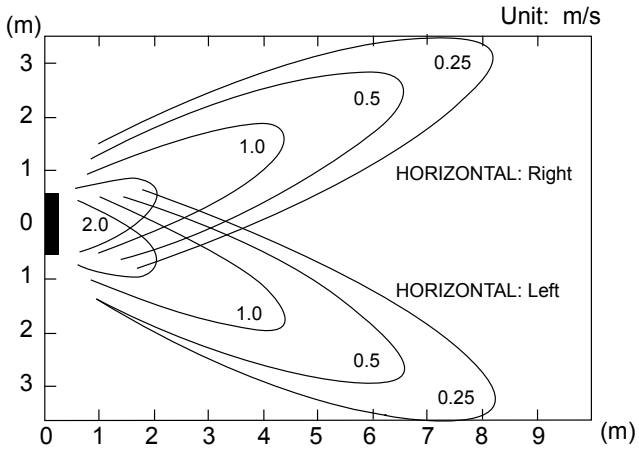
■ MODEL : AB∗A24 (FLOOR CONSOLE)

Conditions
Fan speed : High
Operation mode : Fan
Voltage : 230V

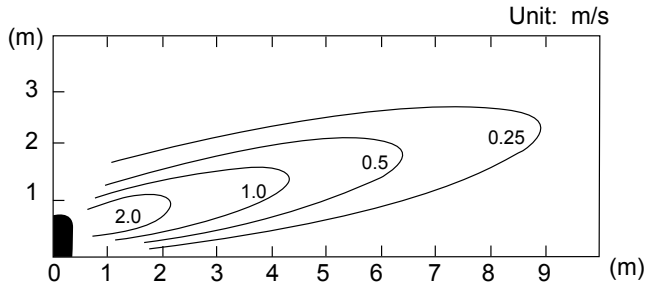
Top view
Vertical flap : Down
Horizontal flap : Center

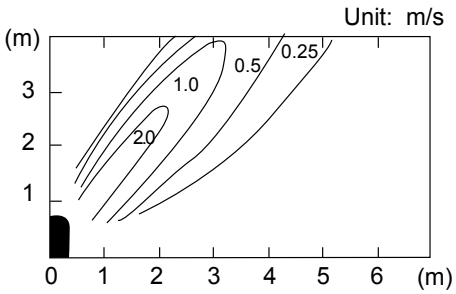


Top view
Vertical flap : Down
Horizontal flap : Right & Left

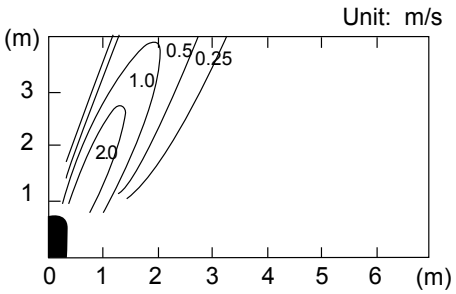


Side view
Vertical flap : Down
Horizontal flap : Center





Side view
Vertical flap : Center
Horizontal flap : Center

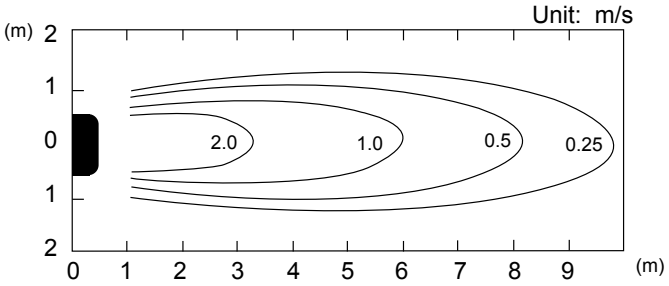


Side view
Vertical flap : Up
Horizontal flap : Center

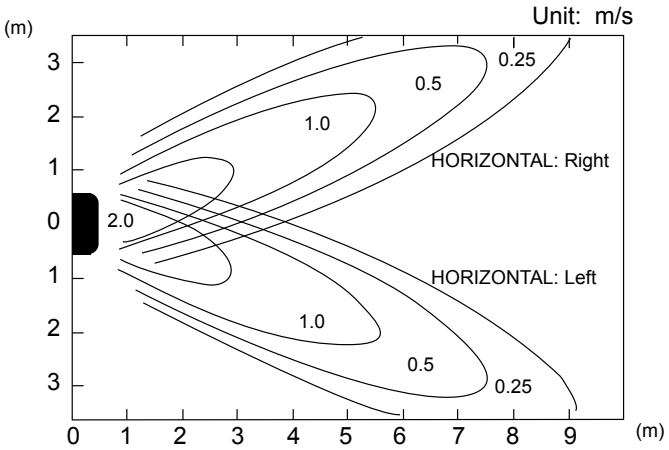
■ MODEL : AB∗A24 (UNDER CEILING)

Conditions
Fan speed : High
Operation mode : Fan
Voltage : 230V

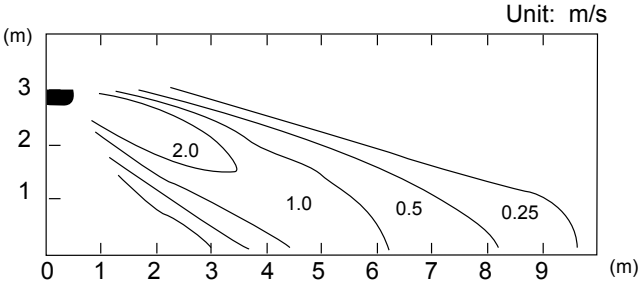
Top view
Vertical flap : Up
Horizontal flap : Center

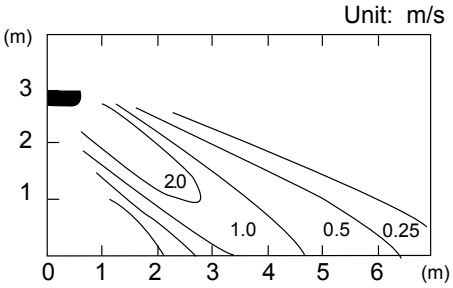


Top view
Vertical flap : Up
Horizontal flap : Right & Left

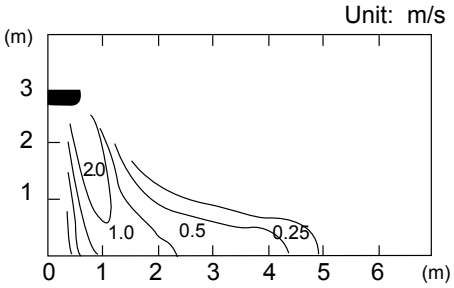


Side view
Vertical flap : Up
Horizontal flap : Center





Side view
Vertical flap : Center
Horizontal flap : Center



Side view
Vertical flap : Down
Horizontal flap : Center

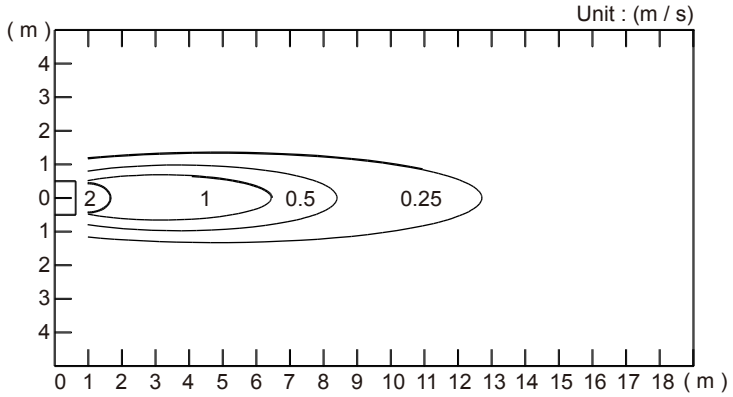
INDOOR UNITS

4-6-4. CEILING TYPE

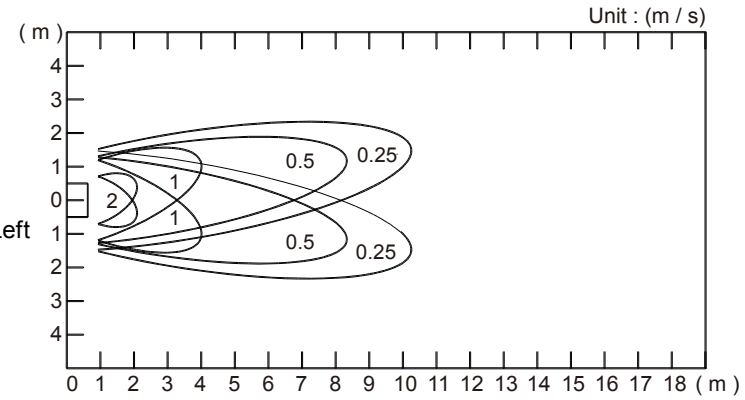
■ MODEL : AB∗A30

Conditions
Fan speed : High
Operation mode : Fan
Voltage : 230V

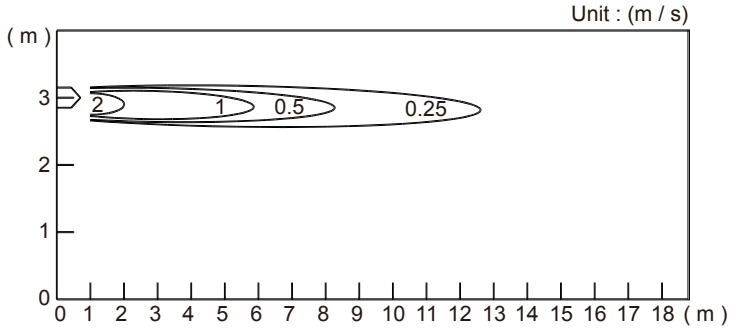
Top view
Vertical flap : Up
Horizontal flap : Center

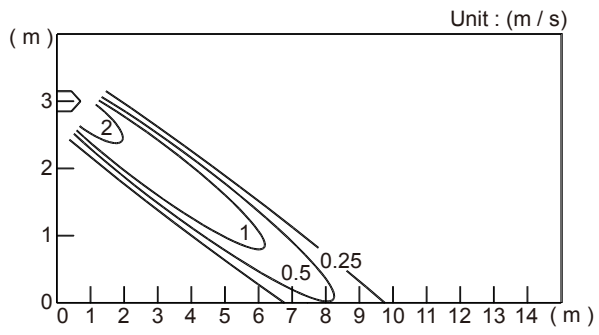


Top view
Vertical flap : Up
Horizontal flap : Right & Left

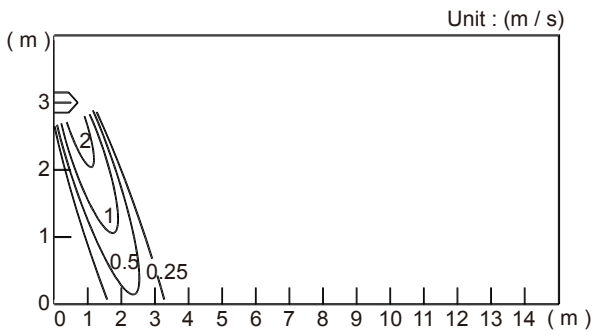


Side view
Vertical flap : Up
Horizontal flap : Center





Side view
Vertical flap : Center
Horizontal flap : Center

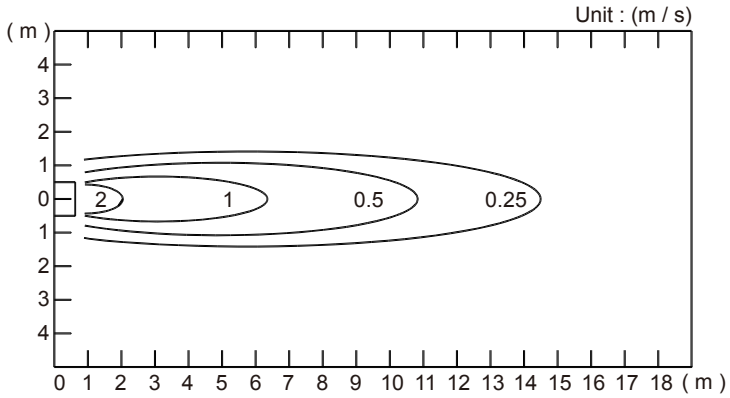


Side view
Vertical flap : Down
Horizontal flap : Center

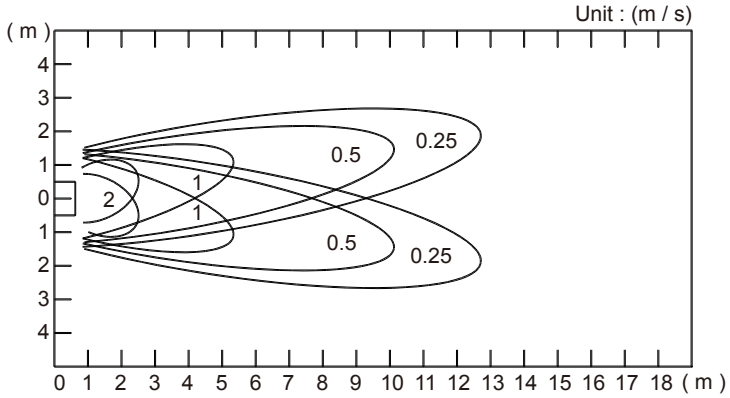
■ MODEL : AB∗A36

Conditions
Fan speed : High
Operation mode : Fan
Voltage : 230V

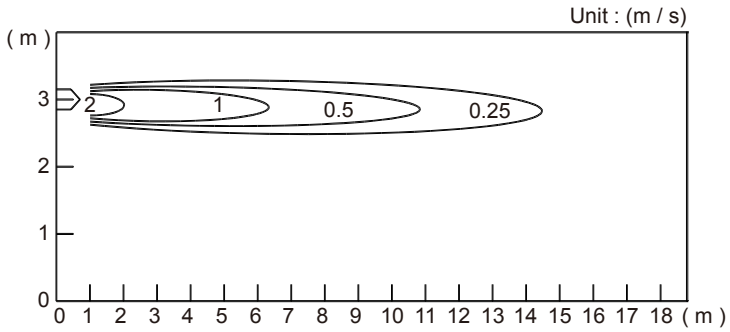
Top view
Vertical flap : Up
Horizontal flap : Center

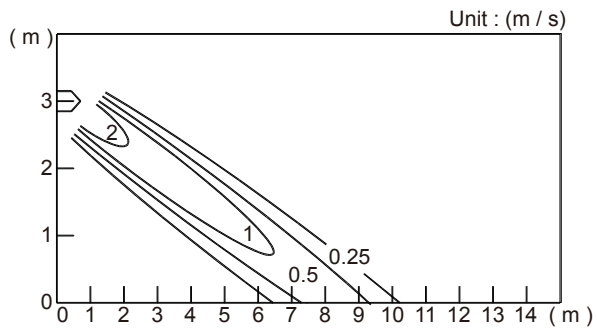


Top view
Vertical flap : Up
Horizontal flap : Right & Left

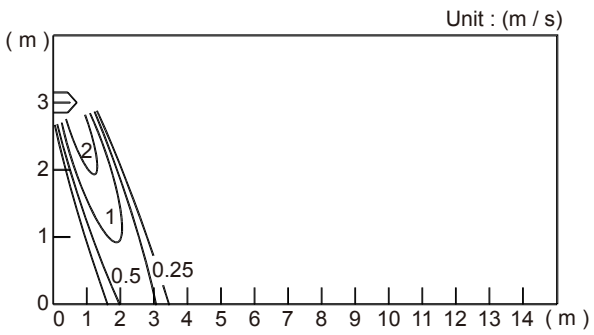


Side view
Vertical flap : Up
Horizontal flap : Center





Side view
Vertical flap : Center
Horizontal flap : Center

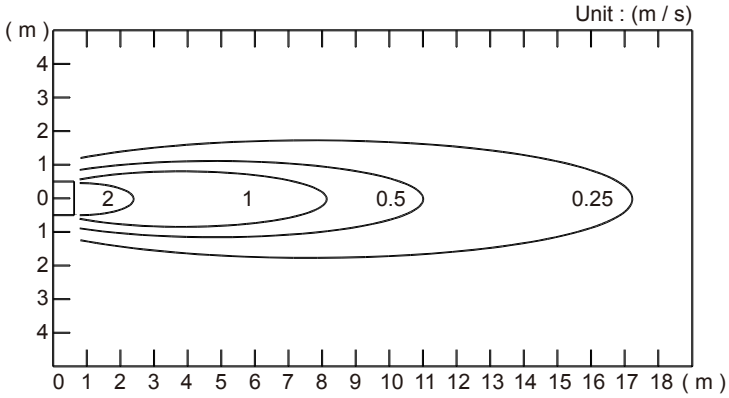


Side view
Vertical flap : Down
Horizontal flap : Center

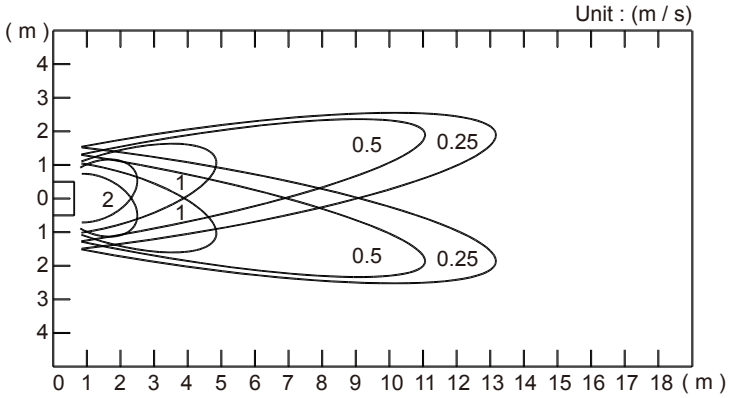
■ MODEL : AB∗A45

Conditions
Fan speed : High
Operation mode : Fan
Voltage : 230V

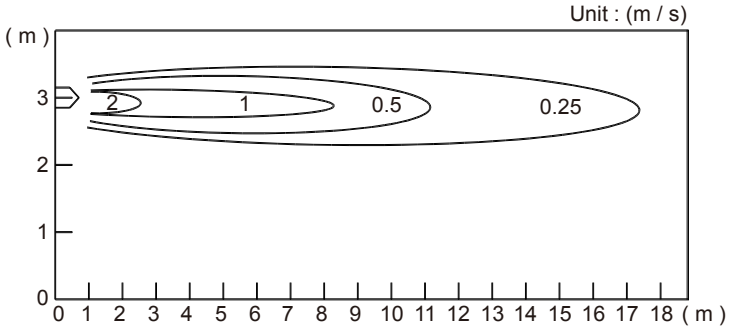
Top view
Vertical flap : Up
Horizontal flap : Center

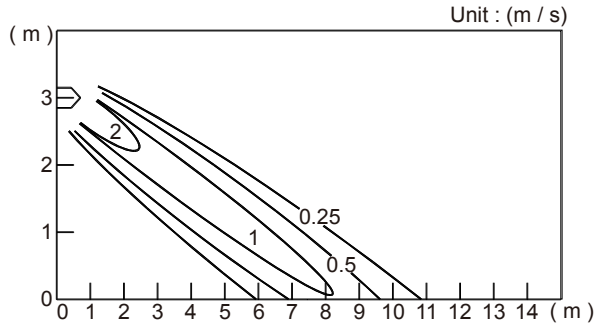


Top view
Vertical flap : Up
Horizontal flap : Right & Left

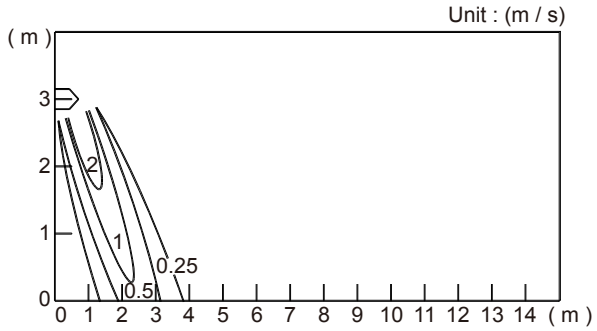


Side view
Vertical flap : Up
Horizontal flap : Center





Side view
Vertical flap : Center
Horizontal flap : Center

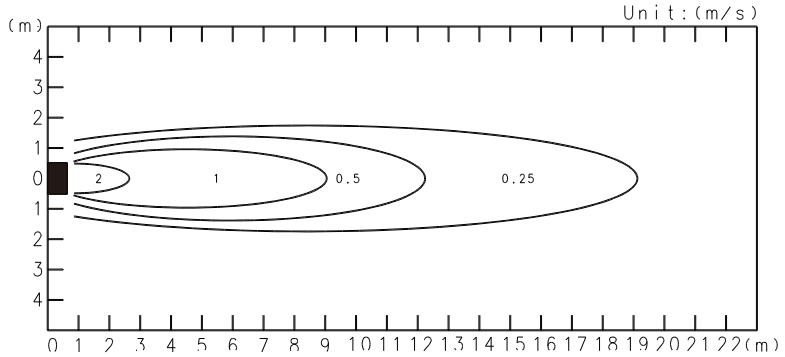


Side view
Vertical flap : Down
Horizontal flap : Center

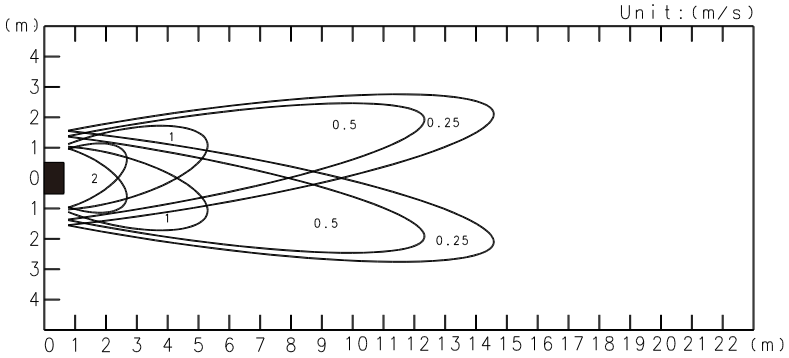
■ MODEL : AB∗A54

Conditions
Fan speed : High
Operation mode : Fan
Voltage : 230V

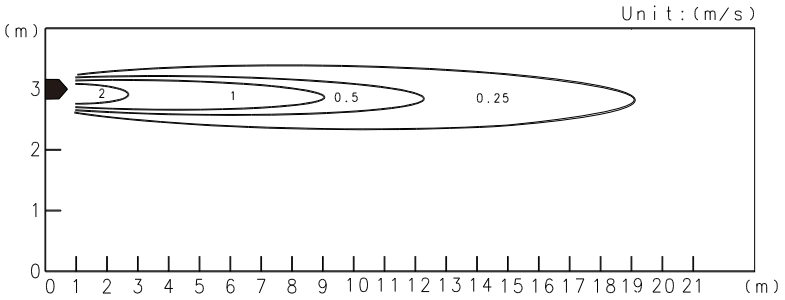
Top view
Vertical flap : Up
Horizontal flap : Center

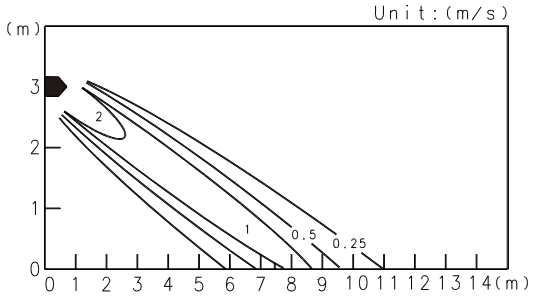


Top view
Vertical flap : Up
Horizontal flap : Right & Left

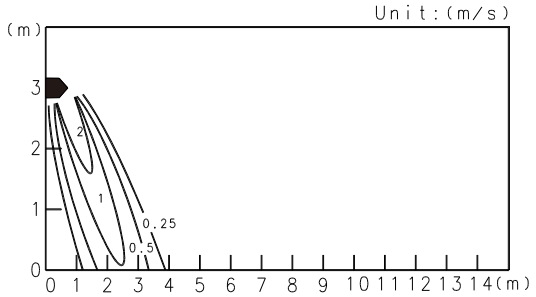


Side view
Vertical flap : Up
Horizontal flap : Center





Side view
Vertical flap : Center
Horizontal flap : Center



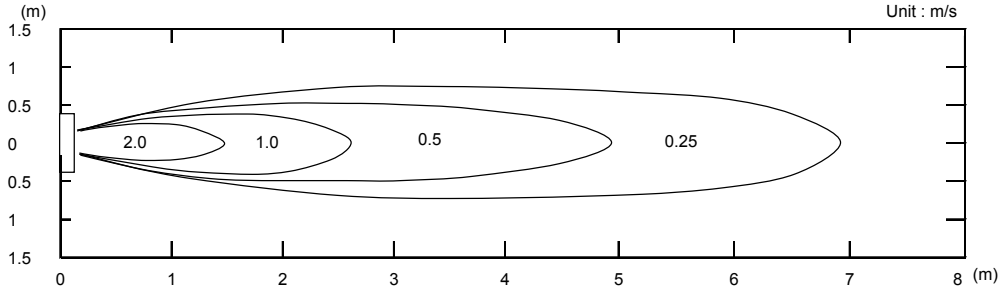
Side view
Vertical flap : Down
Horizontal flap : Center

4-6-5. COMPACT WALL MOUNTED TYPE (EEV internal model)

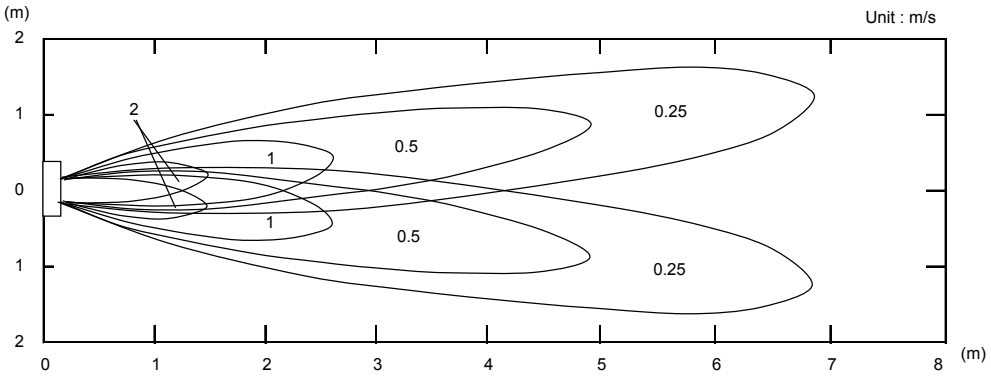
■ MODELS : AS∗A07, AS∗A09

Conditions
Fan speed : High
Operation mode : Fan
Voltage : 230V

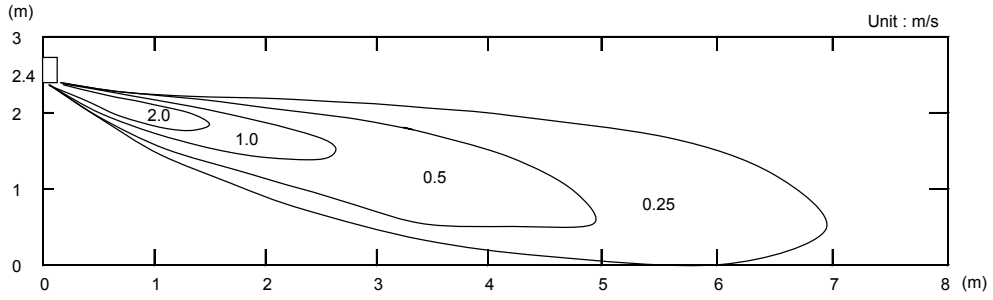
Top view
Vertical flap : Up
Horizontal flap : Center



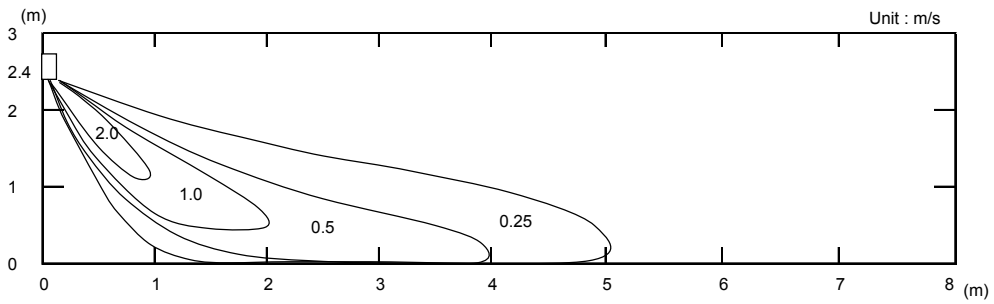
Top view
Vertical flap : Up
Horizontal flap : Right & Left



Side view
Vertical flap : Up
Horizontal flap : Center



Side view
Vertical flap : Down
Horizontal flap : Center

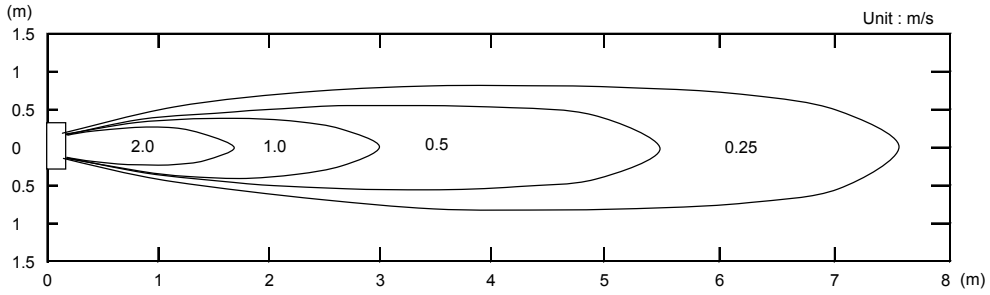


INDOOR UNITS

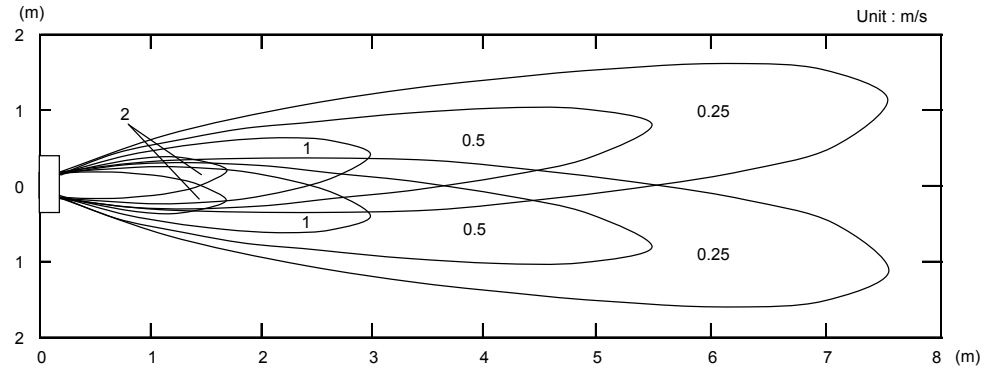
■ MODEL : AS∗A12

Conditions
Fan speed : High
Operation mode : Fan
Voltage : 230V

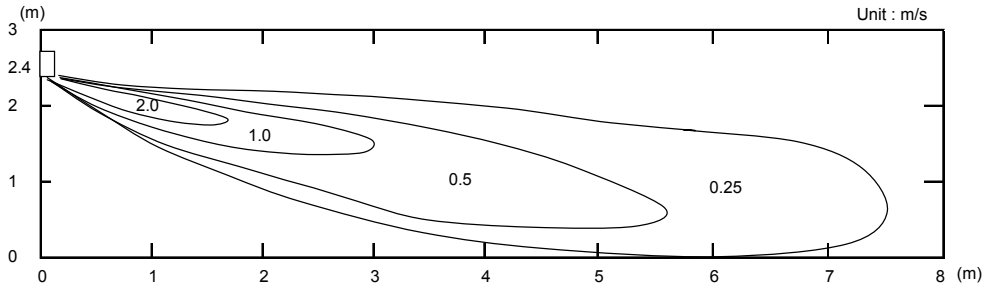
Top view
Vertical flap : Up
Horizontal flap : Center



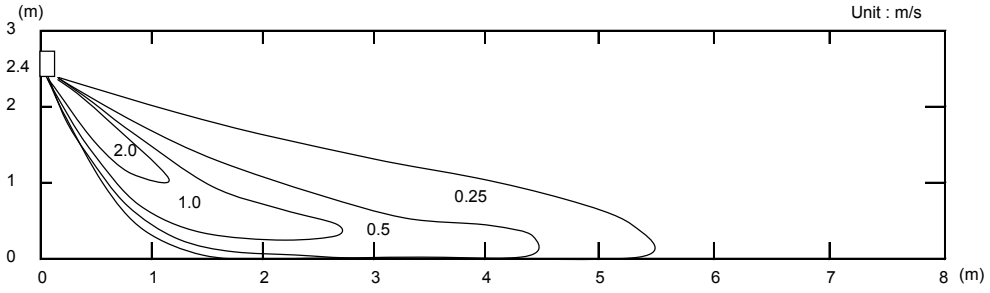
Top view
Vertical flap : Up
Horizontal flap : Right & Left



Side view
Vertical flap : Up
Horizontal flap : Center



Side view
Vertical flap : Down
Horizontal flap : Center

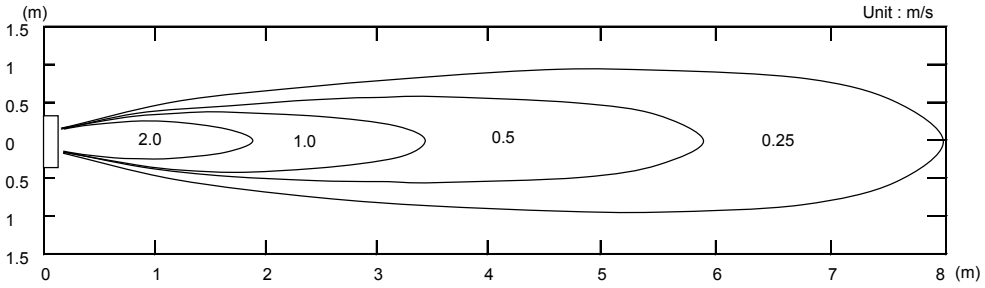


INDOOR UNITS

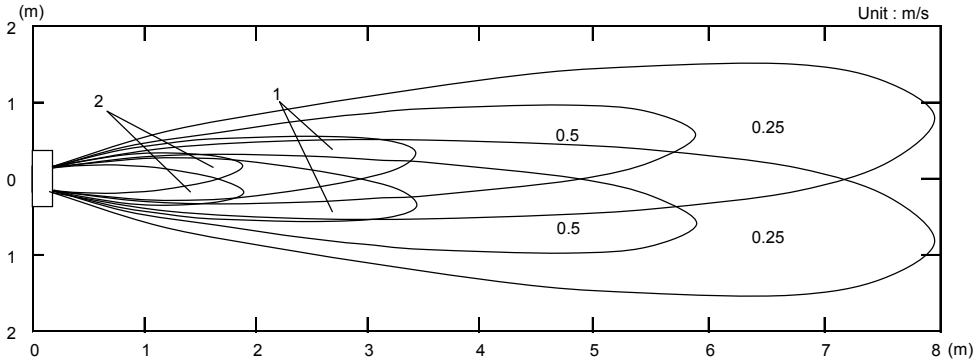
■ MODEL : AS∗A14

Conditions
Fan speed : High
Operation mode : Fan
Voltage : 230V

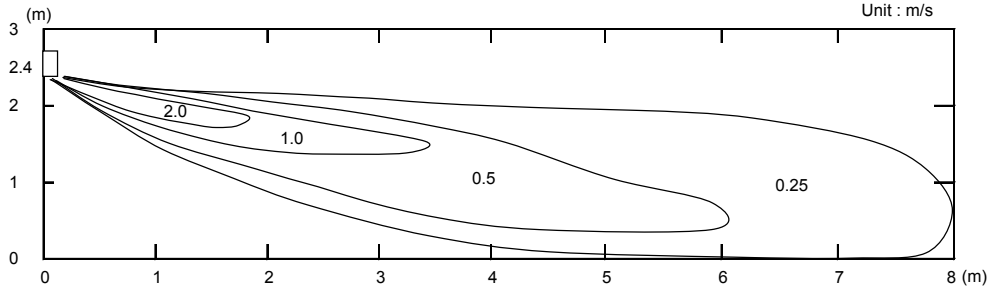
Top view
Vertical flap : Up
Horizontal flap : Center



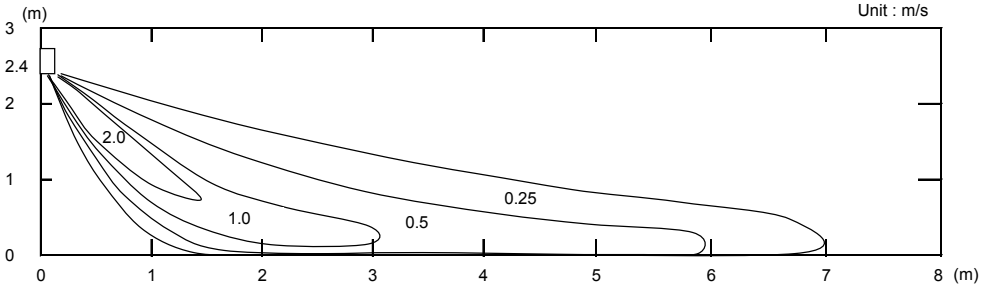
Top view
Vertical flap : Up
Horizontal flap : Right & Left



Side view
Vertical flap : Up
Horizontal flap : Center



Side view
Vertical flap : Down
Horizontal flap : Center



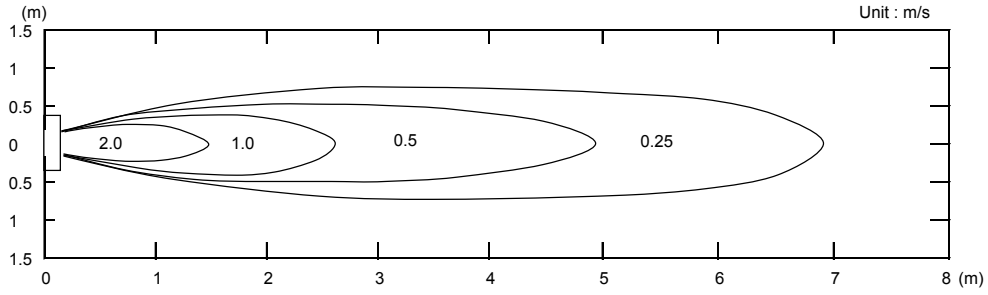
INDOOR UNITS

4-6-6. COMPACT WALL MOUNTED TYPE (EEV external model)

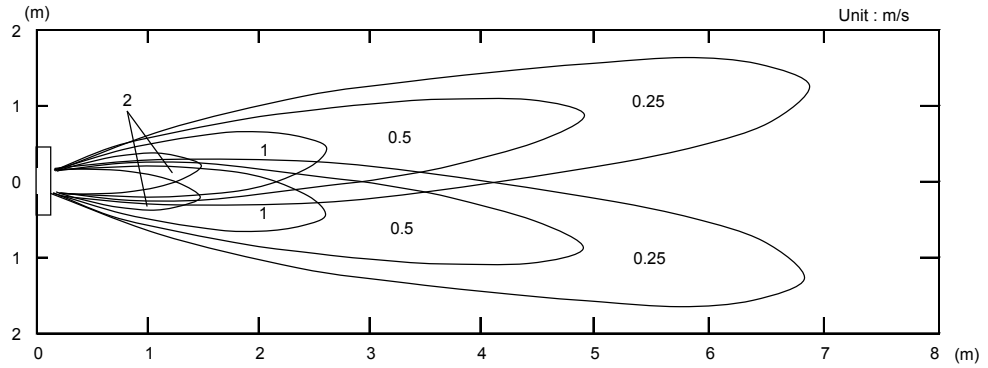
■ MODELS : AS∗E07, AS∗E09

Conditions
Fan speed : High
Operation mode : Fan
Voltage : 230V

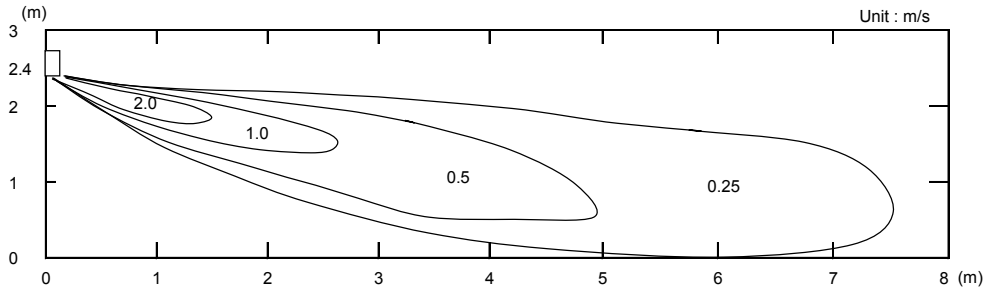
Top view
Vertical flap : Up
Horizontal flap : Center



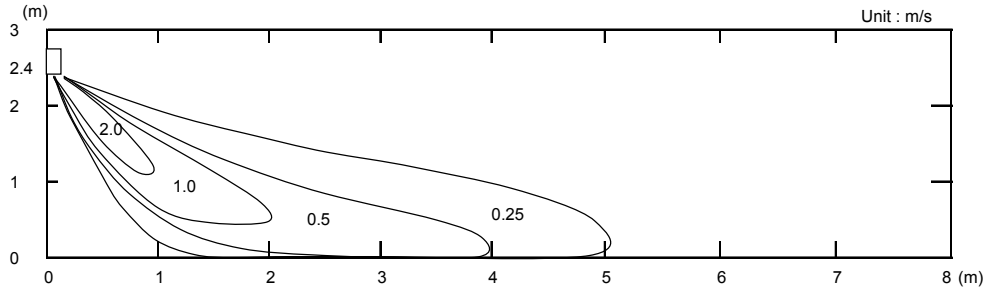
Top view
Vertical flap : Up
Horizontal flap : Right & Left



Side view
Vertical flap : Up
Horizontal flap : Center



Side view
Vertical flap : Down
Horizontal flap : Center

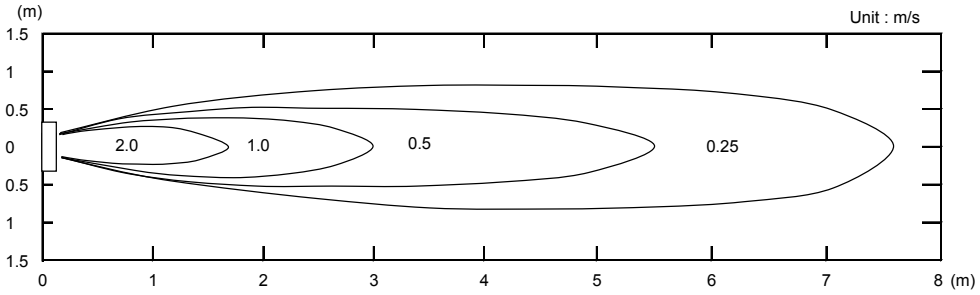


INDOOR UNITS

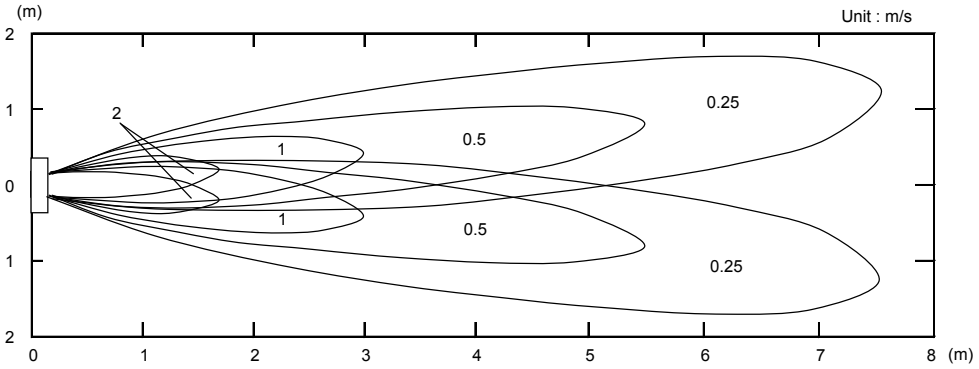
■ MODEL : AS∗E12

Conditions
Fan speed : High
Operation mode : Fan
Voltage : 230V

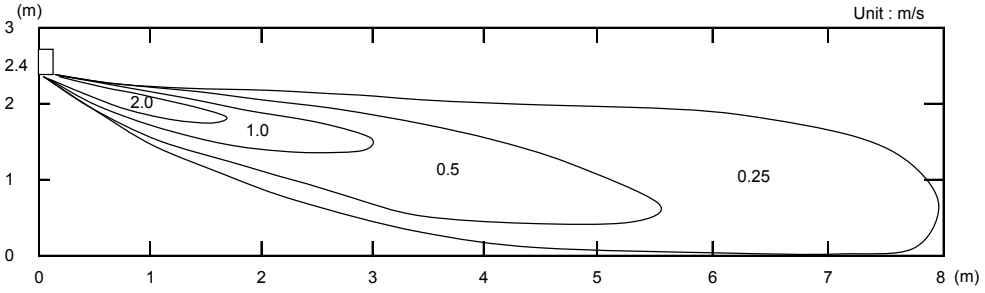
Top view
Vertical flap : Up
Horizontal flap : Center



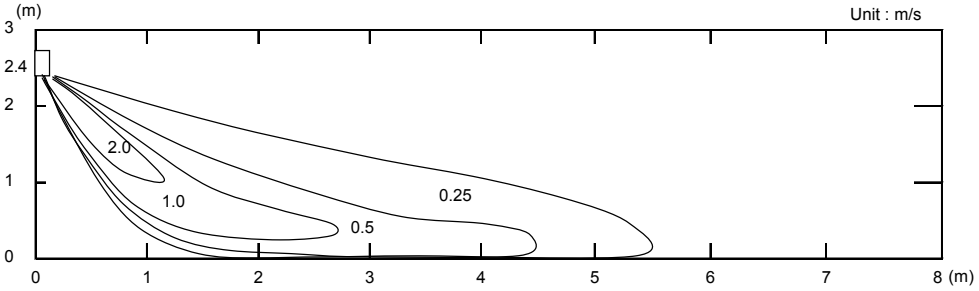
Top view
Vertical flap : Up
Horizontal flap : Right & Left



Side view
Vertical flap : Up
Horizontal flap : Center



Side view
Vertical flap : Down
Horizontal flap : Center

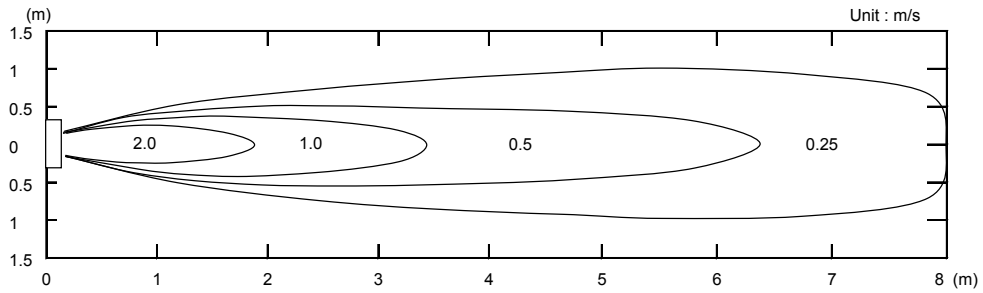


INDOOR UNITS

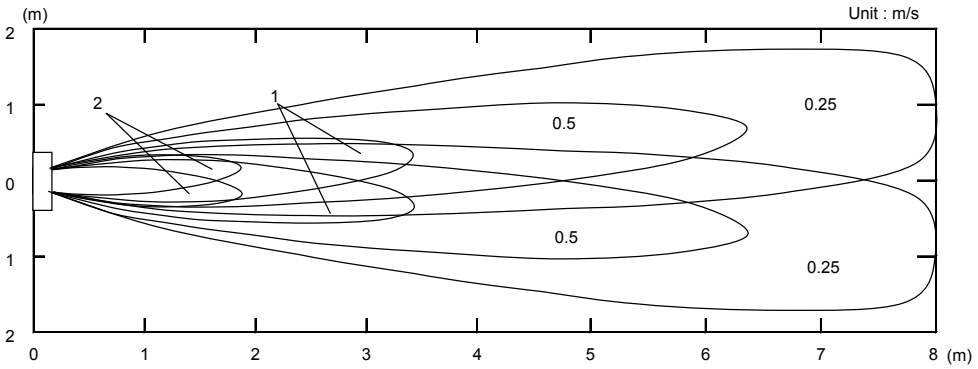
■ MODEL : AS∗E14

Conditions
Fan speed : High
Operation mode : Fan
Voltage : 230V

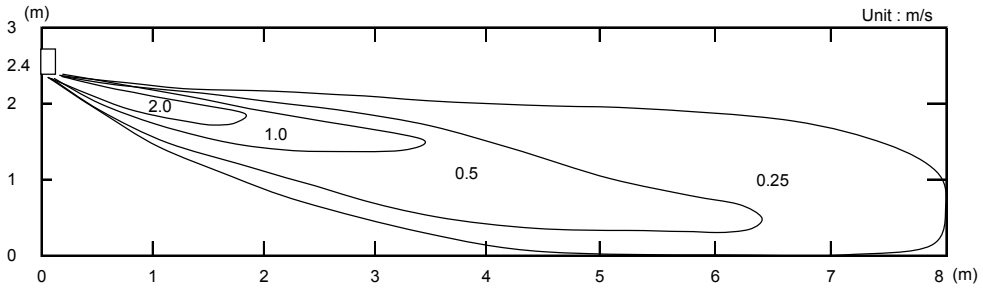
Top view
Vertical flap : Up
Horizontal flap : Center



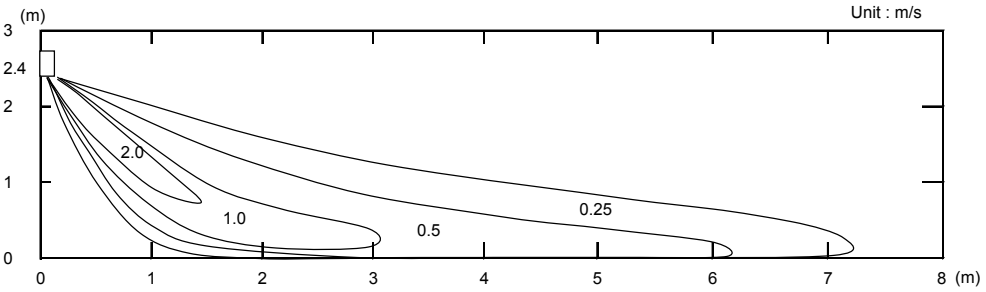
Top view
Vertical flap : Up
Horizontal flap : Right & Left



Side view
Vertical flap : Up
Horizontal flap : Center



Side view
Vertical flap : Down
Horizontal flap : Center



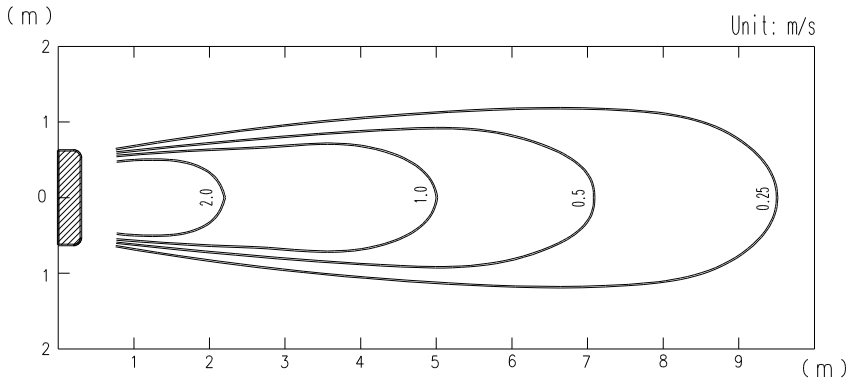
INDOOR UNITS

4-6-7. WALL MOUNTED TYPE

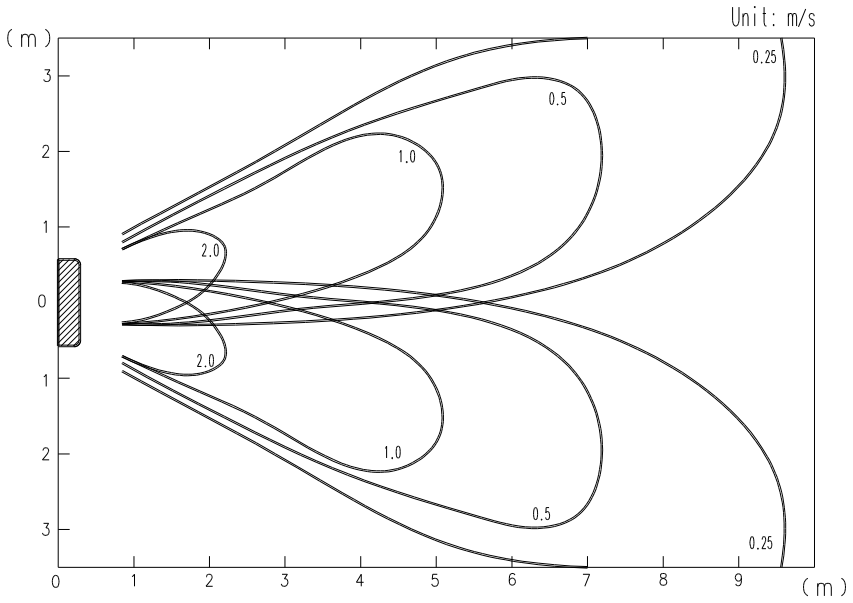
■ MODEL : AS∗A18

Conditions
Fan speed : High
Operation mode : Fan
Voltage : 230V

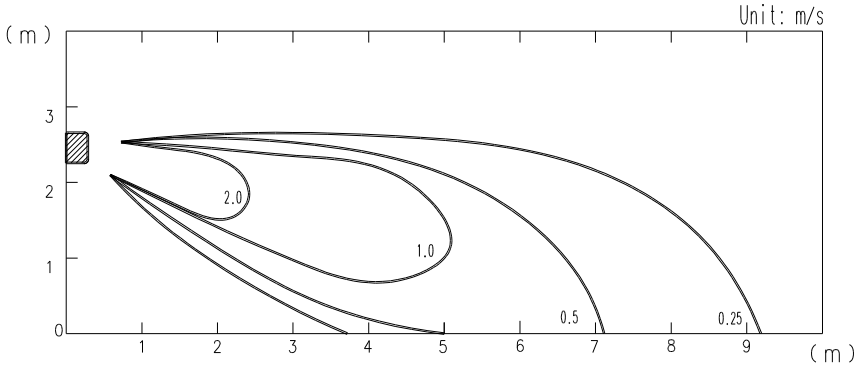
Top view
Vertical flap : Up
Horizontal flap : Center



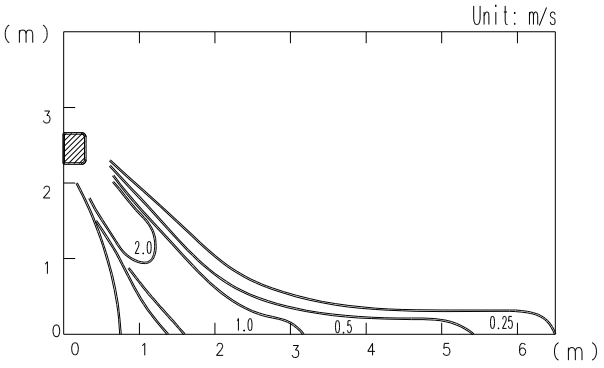
Top view
Vertical flap : Up
Horizontal flap : Right & Left



Side view
Vertical flap : Up
Horizontal flap : Center



Side view
Vertical flap : Down
Horizontal flap : Center

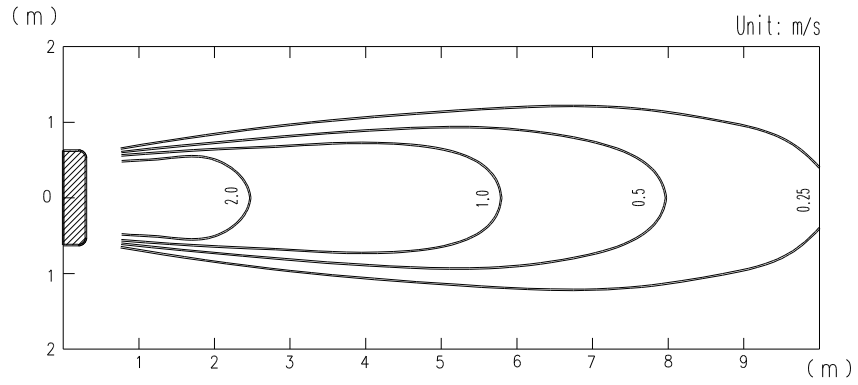


INDOOR UNITS

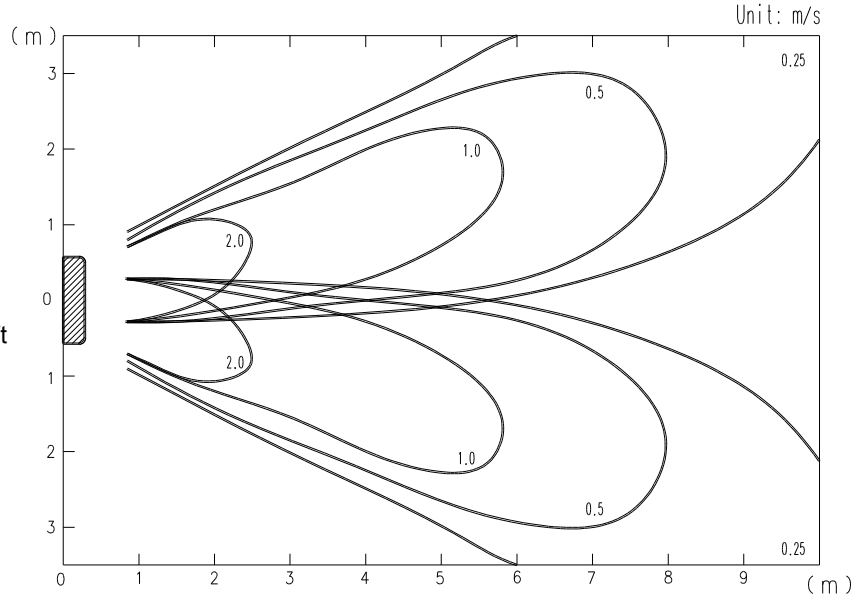
■ MODEL : AS∗A24

Conditions
Fan speed : High
Operation mode : Fan
Voltage : 230V

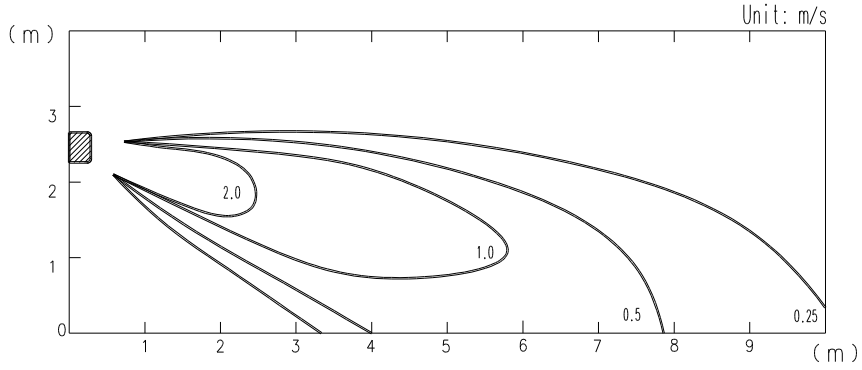
Top view
Vertical flap : Up
Horizontal flap : Center



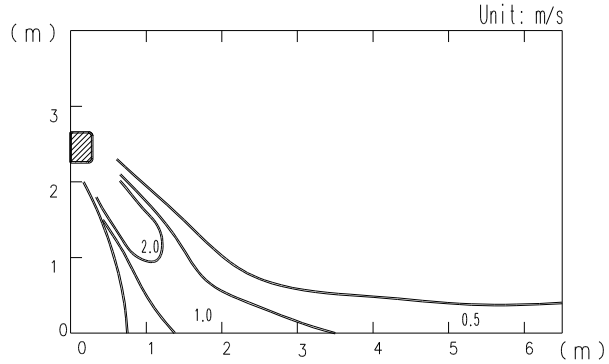
Top view
Vertical flap : Up
Horizontal flap : Right & Left



Side view
Vertical flap : Up
Horizontal flap : Center



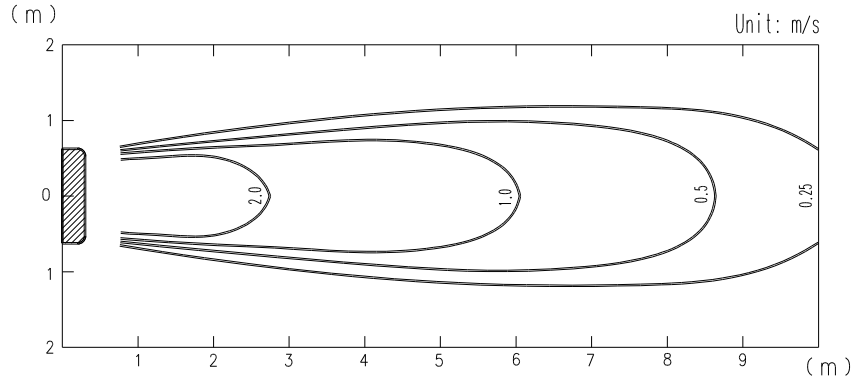
Side view
Vertical flap : Down
Horizontal flap : Center



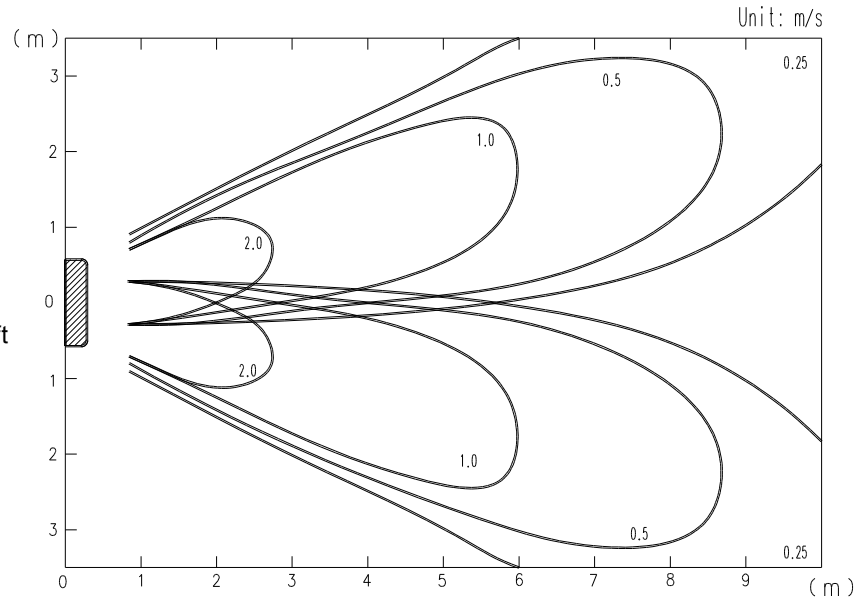
■ MODEL : AS∗A30

Conditions
Fan speed : High
Operation mode : Fan
Voltage : 230V

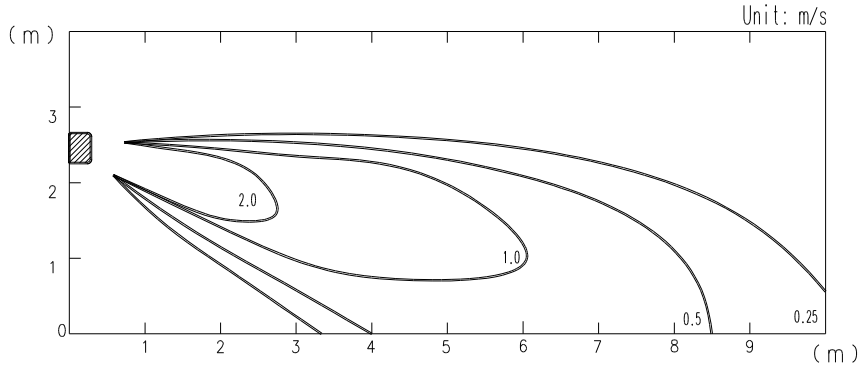
Top view
Vertical flap : Up
Horizontal flap : Center



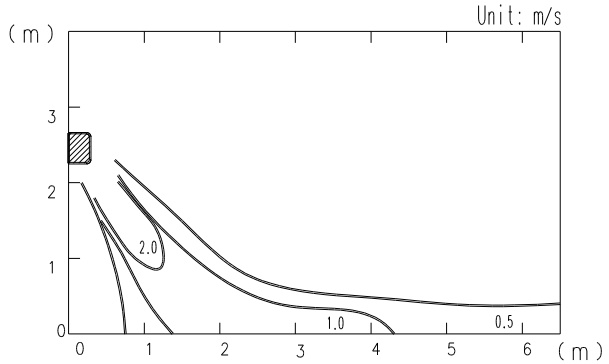
Top view
Vertical flap : Up
Horizontal flap : Right & Left



Side view
Vertical flap : Up
Horizontal flap : Center



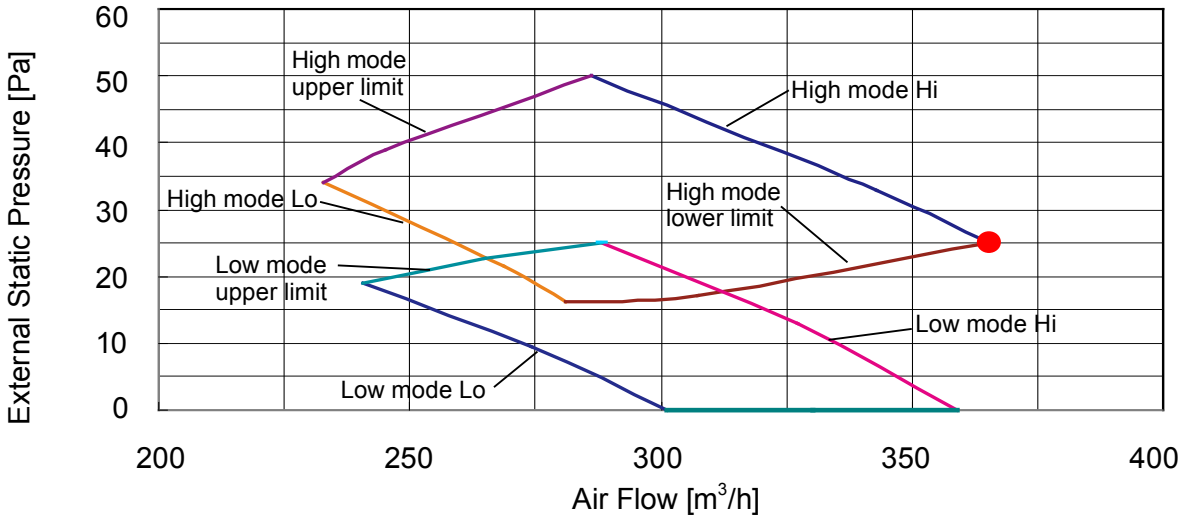
Side view
Vertical flap : Down
Horizontal flap : Center



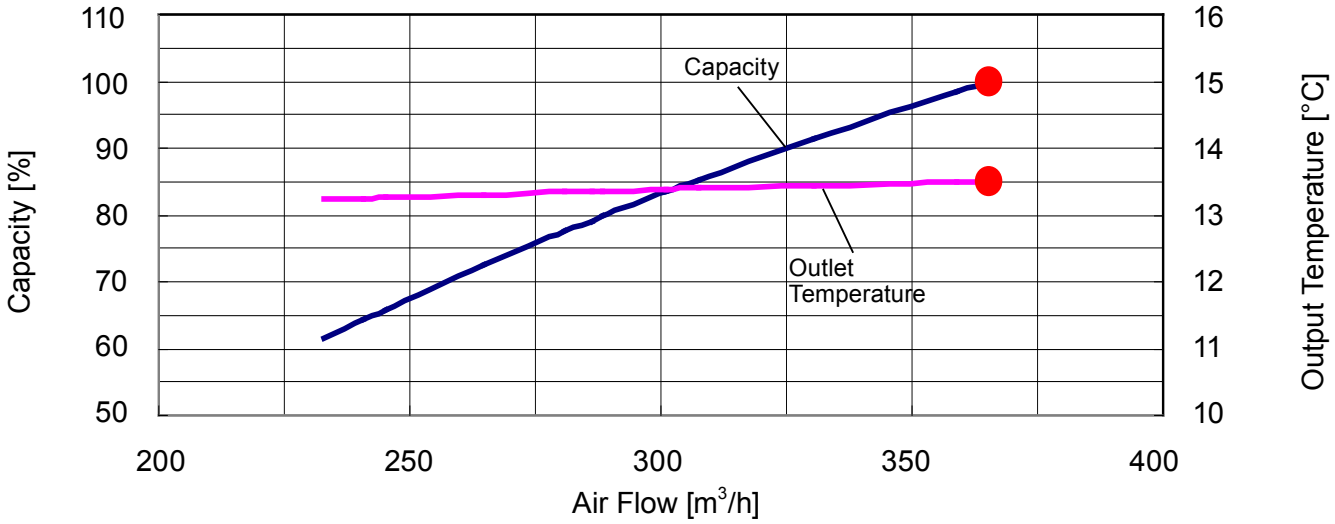
4-7. FAN PERFORMANCE CURVE

4-7-1. COMPACT DUCT TYPE

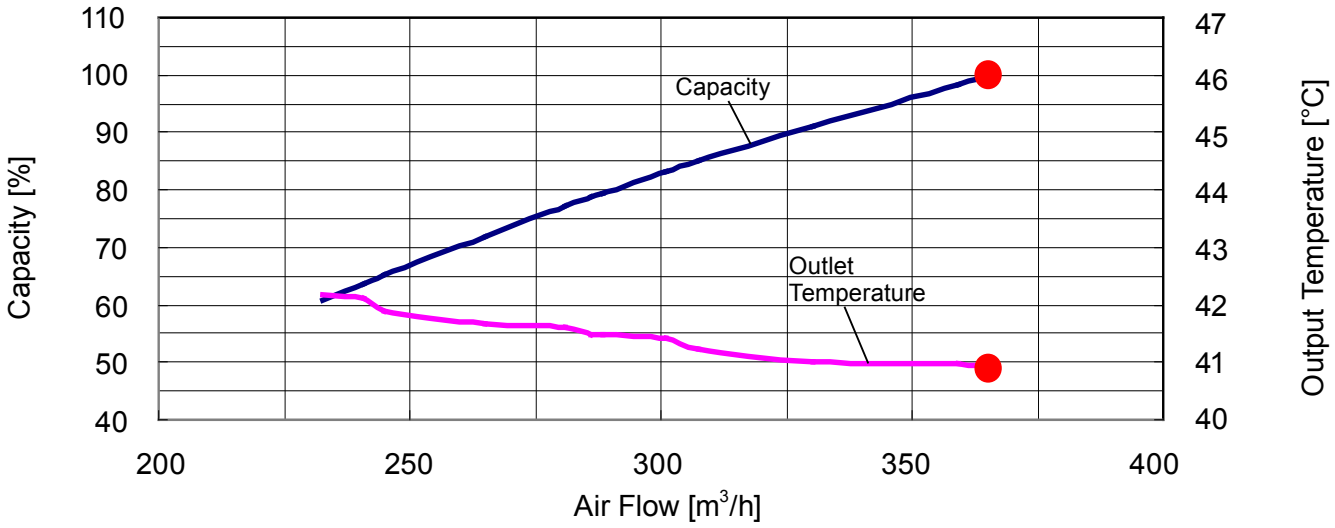
■ MODEL : ARXB07



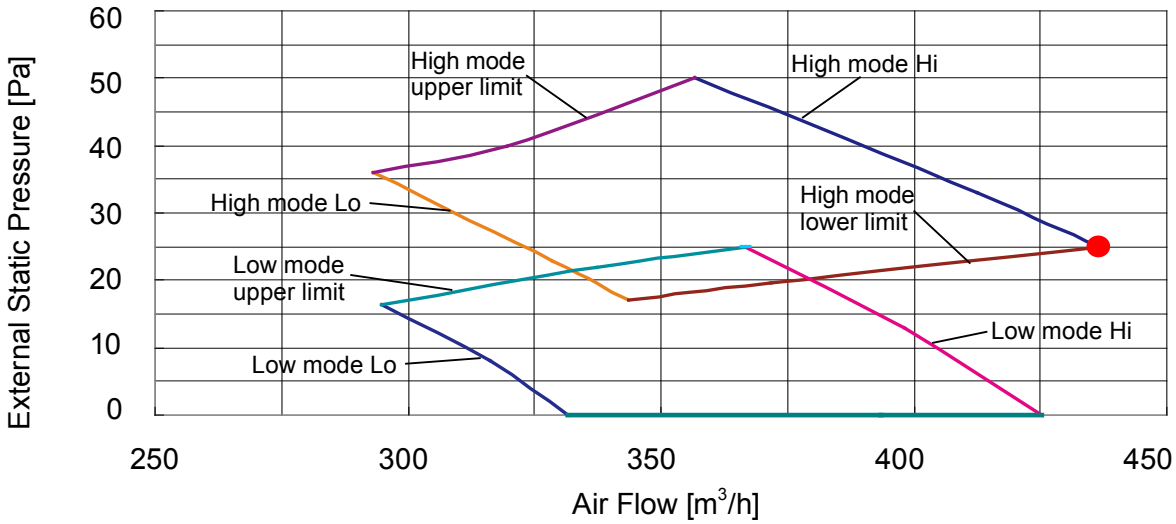
Cooling



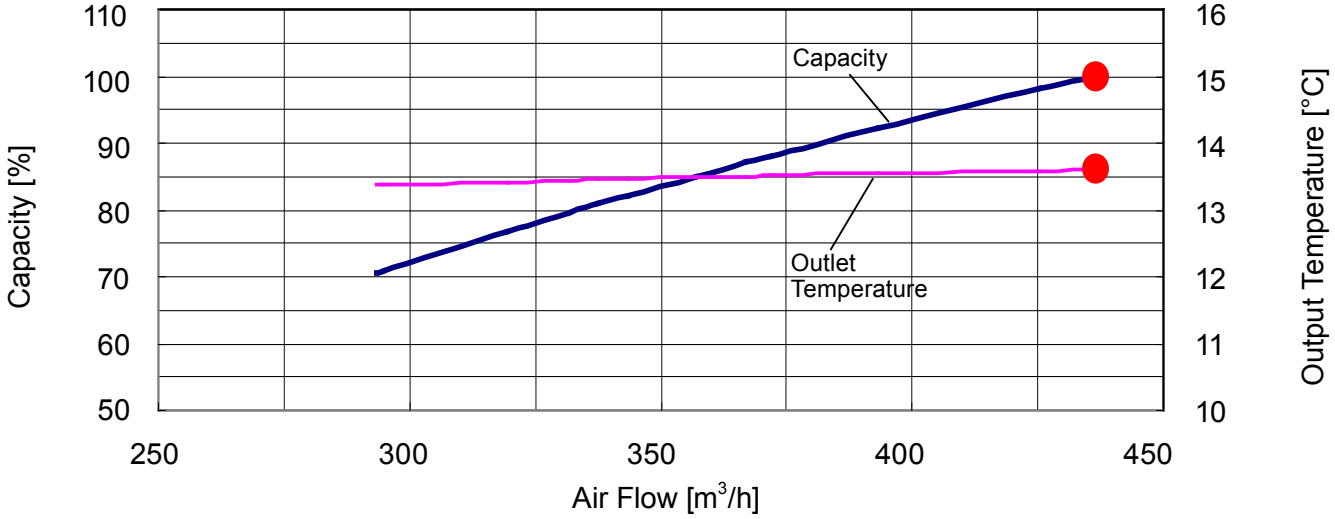
Heating



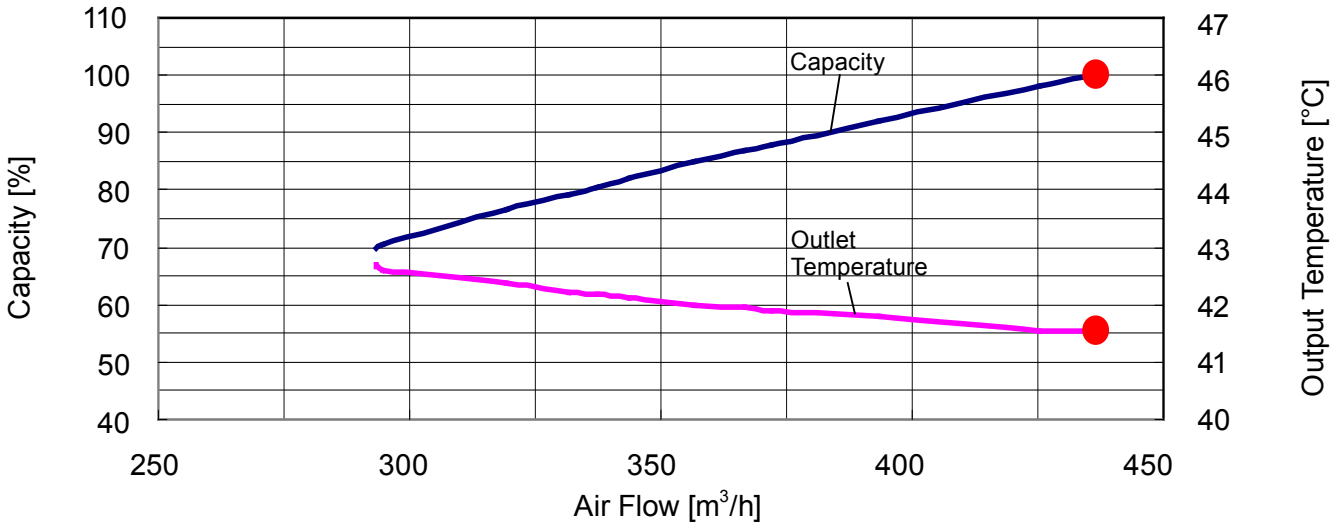
■ MODEL : ARXB09



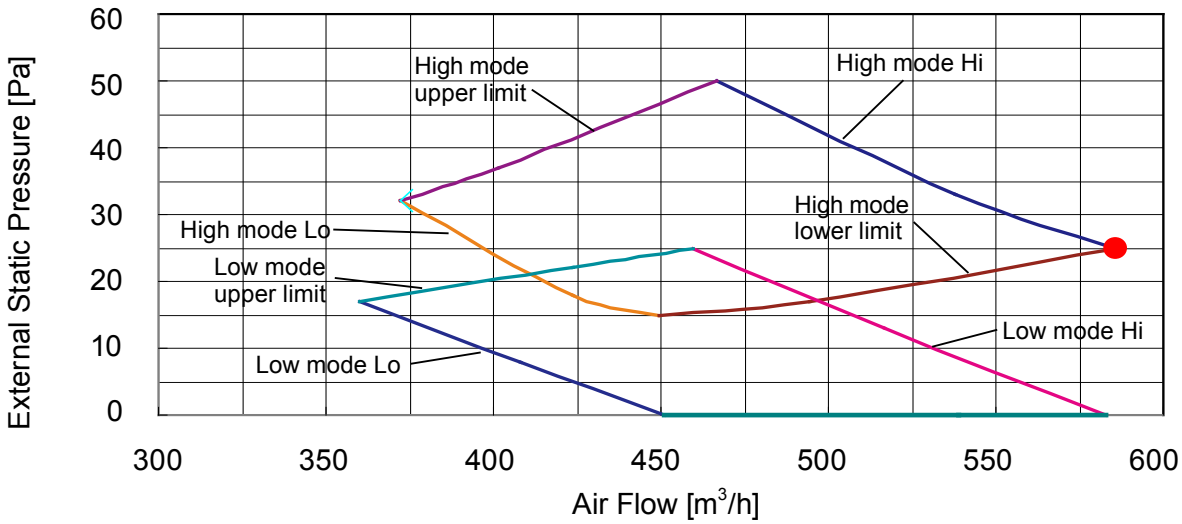
Cooling



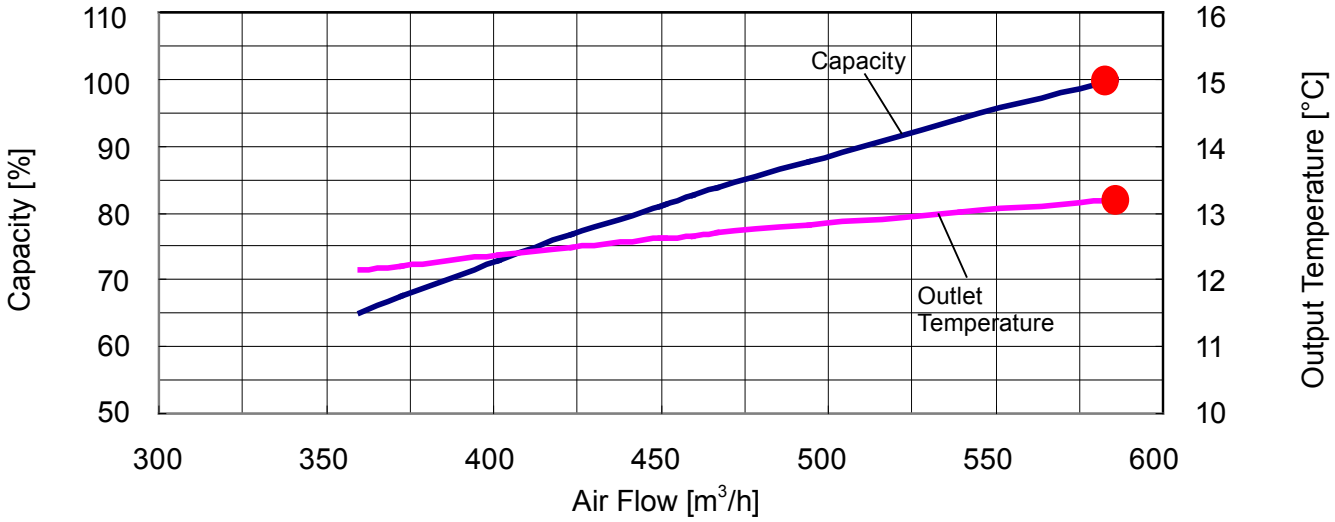
Heating



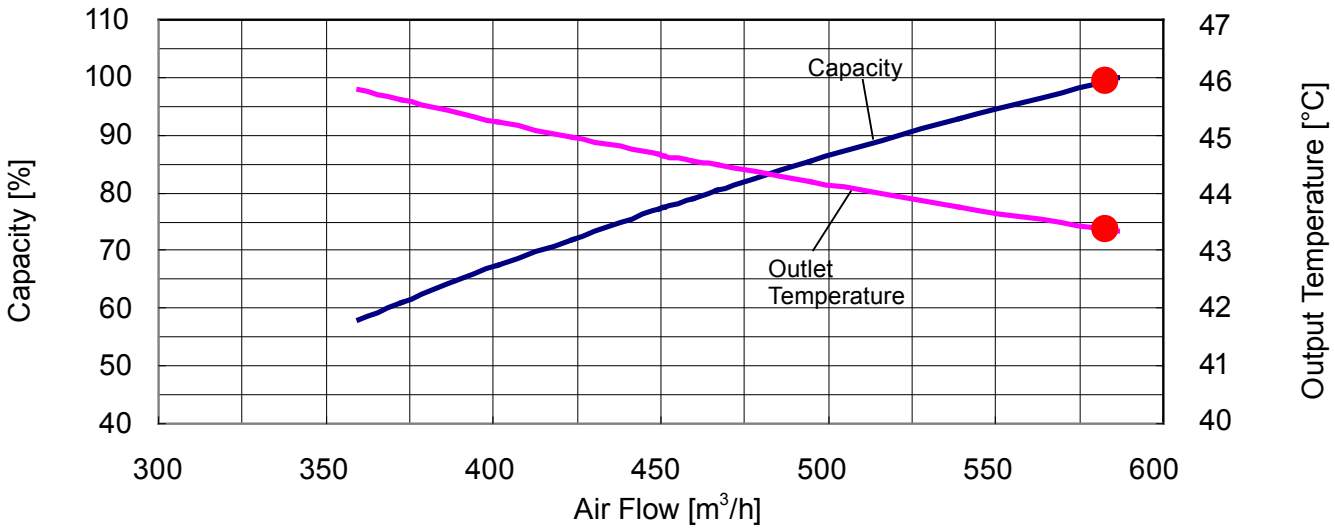
■ MODEL : ARXB12



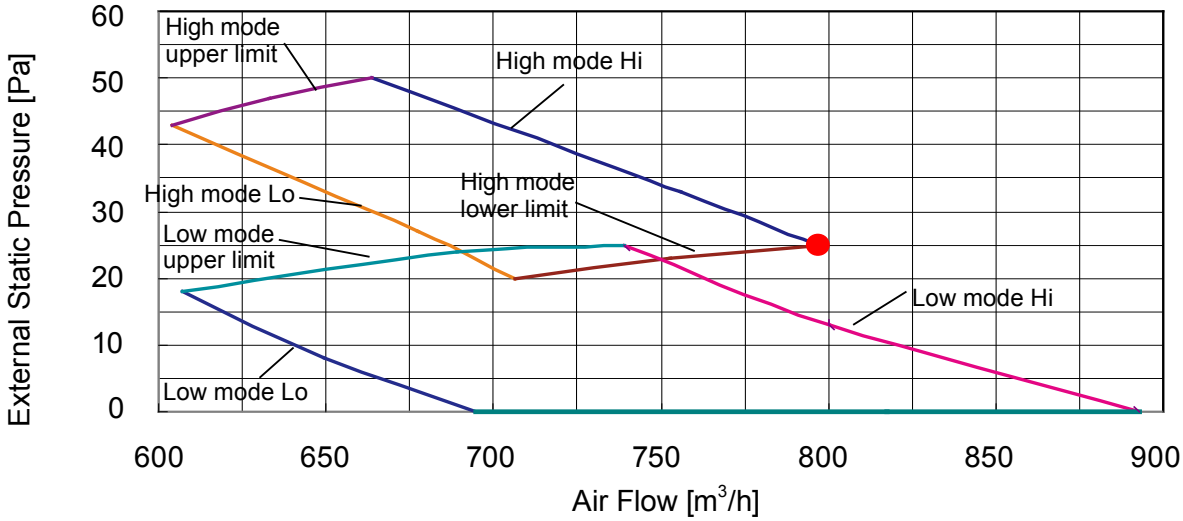
Cooling



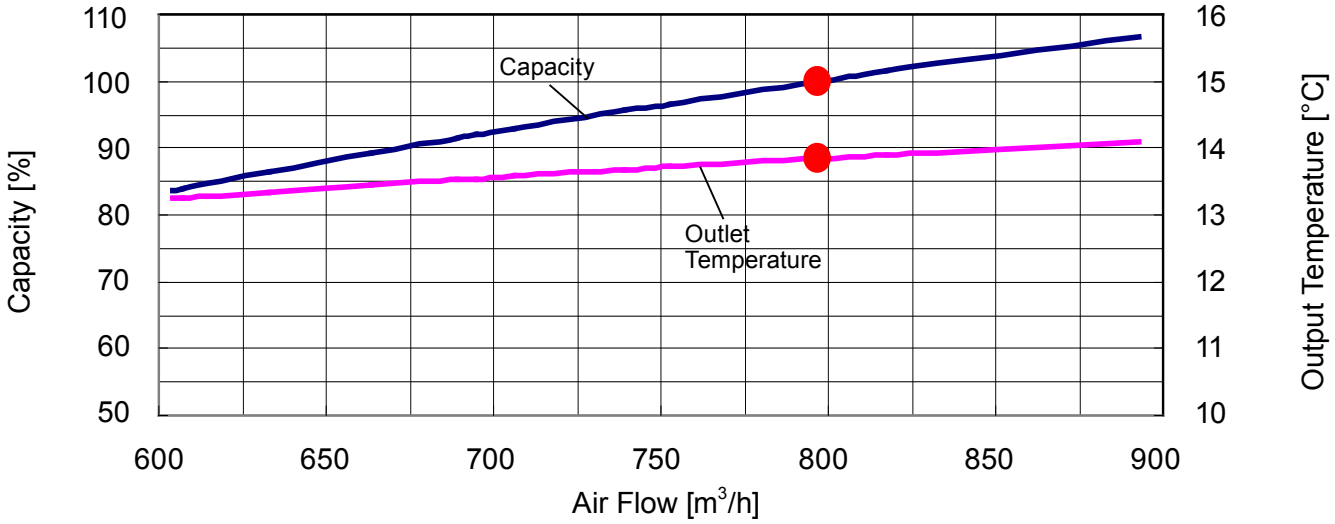
Heating



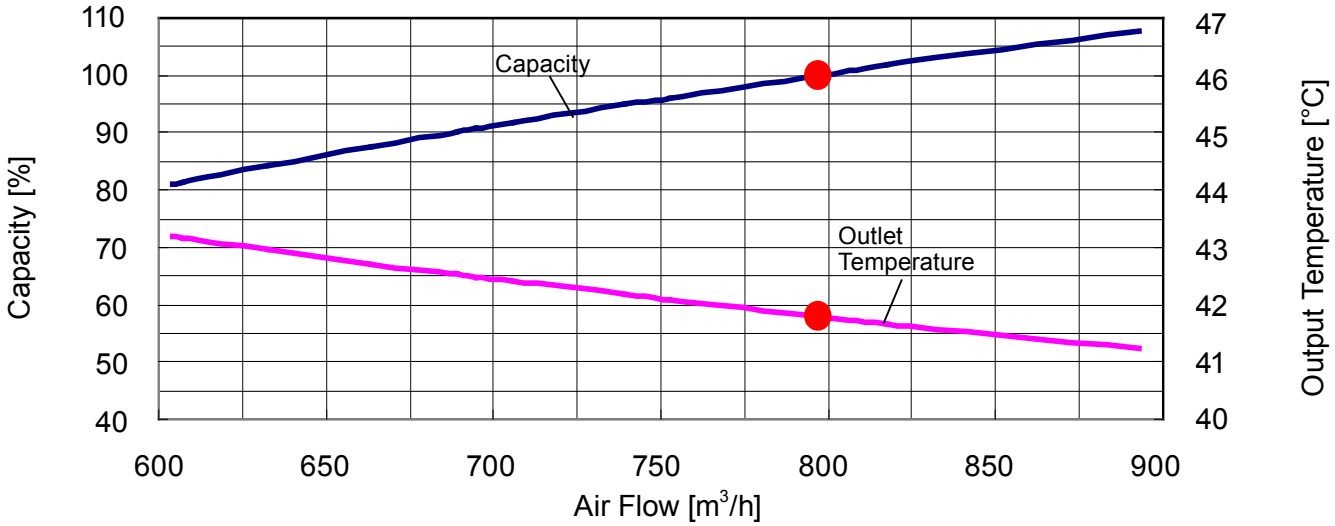
■ MODEL : ARXB14



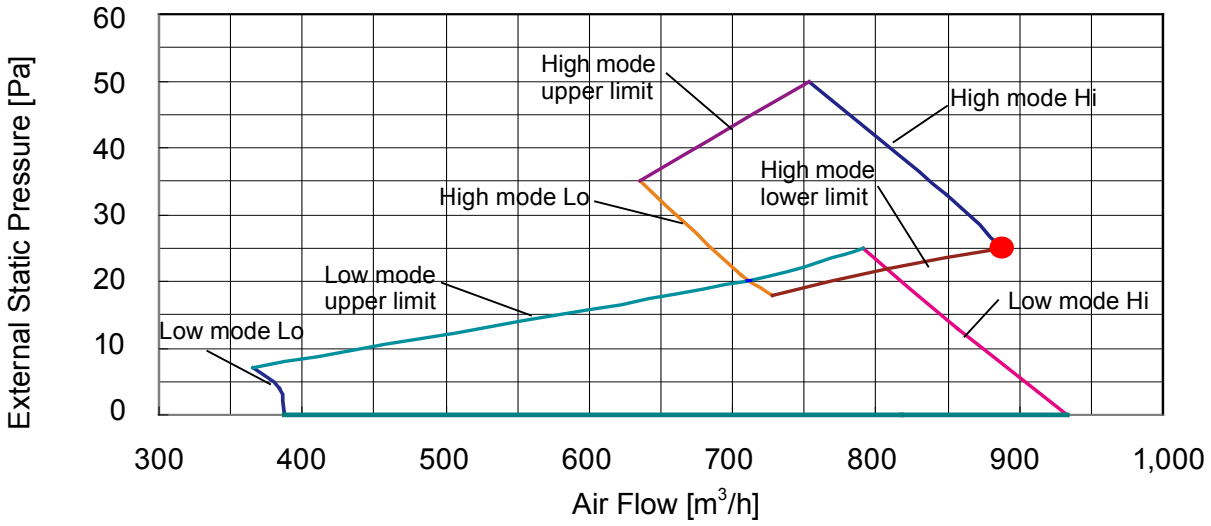
Cooling



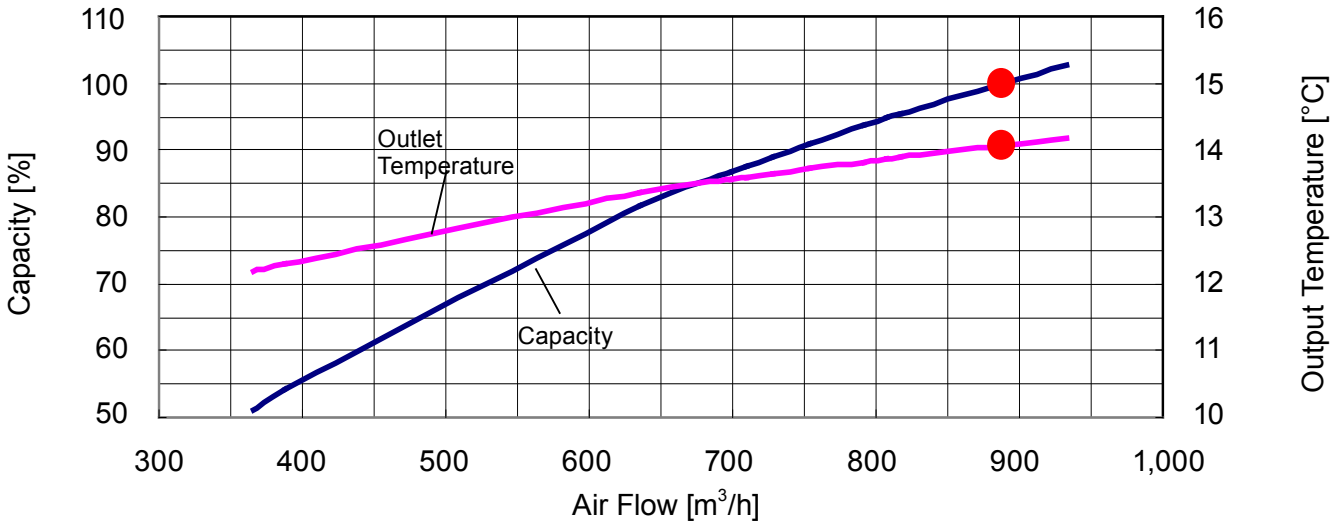
Heating



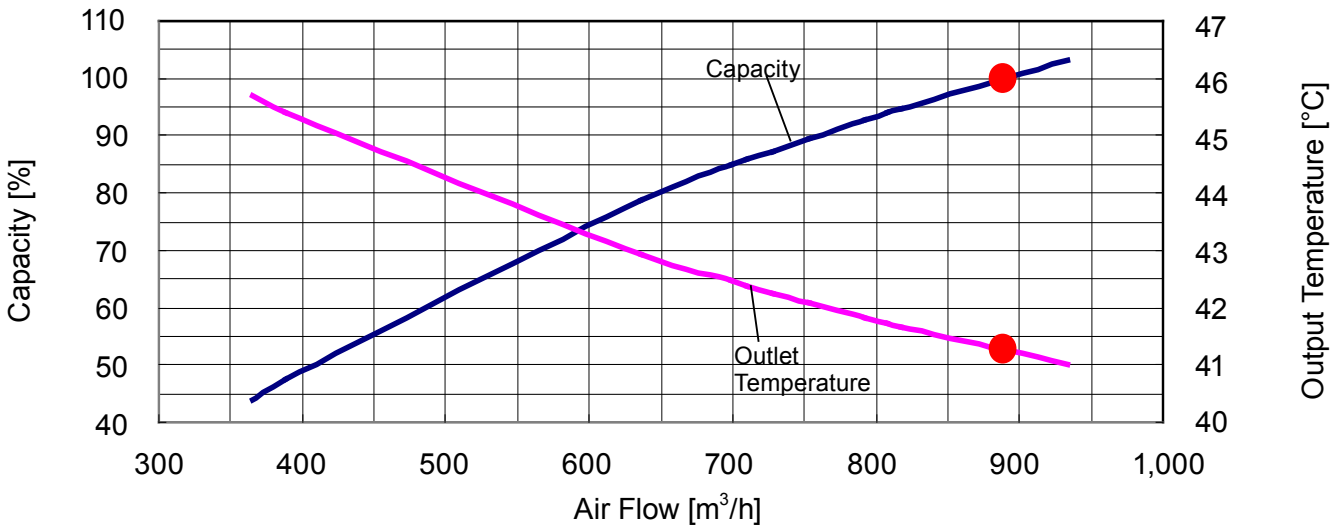
■ MODEL : ARXB18



Cooling

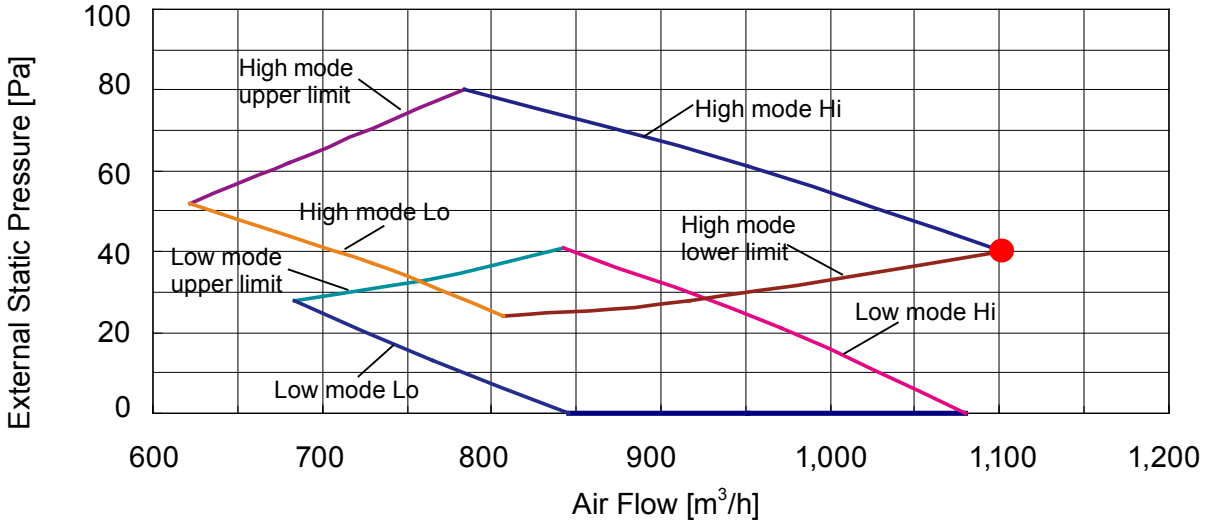


Heating

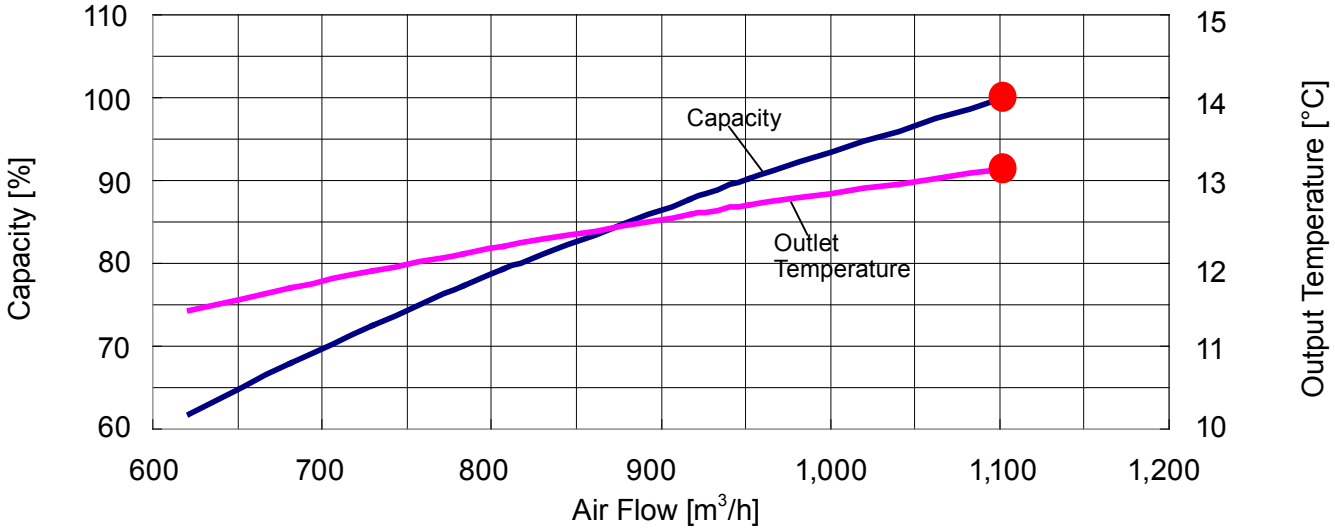


4-7-2. LOW STATIC PRESSURE DUCT TYPE

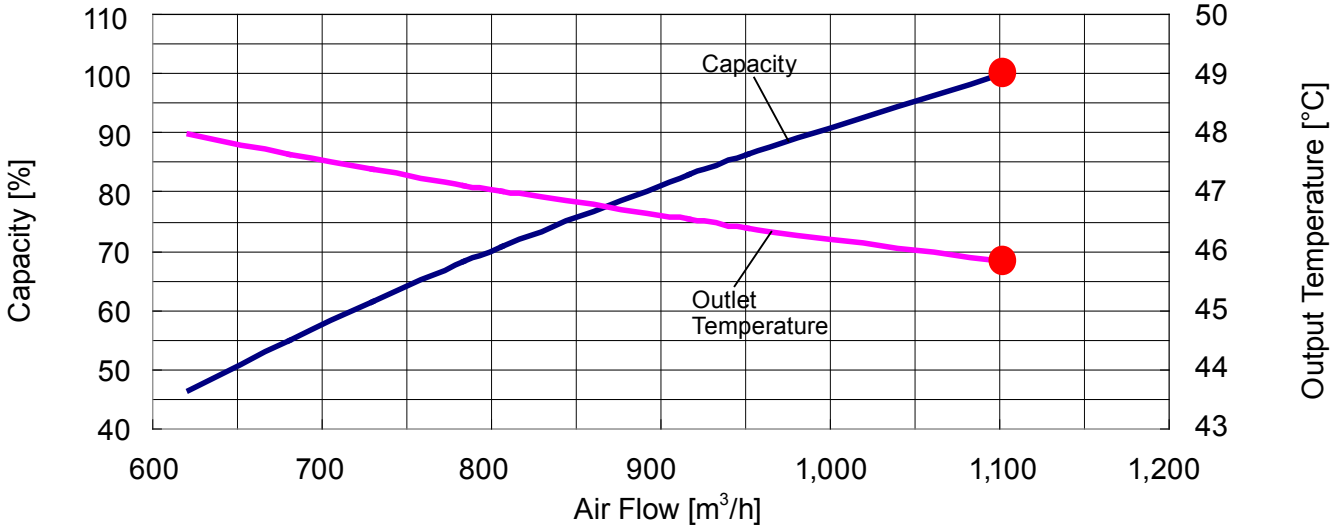
■ MODEL : ARXB24



Cooling

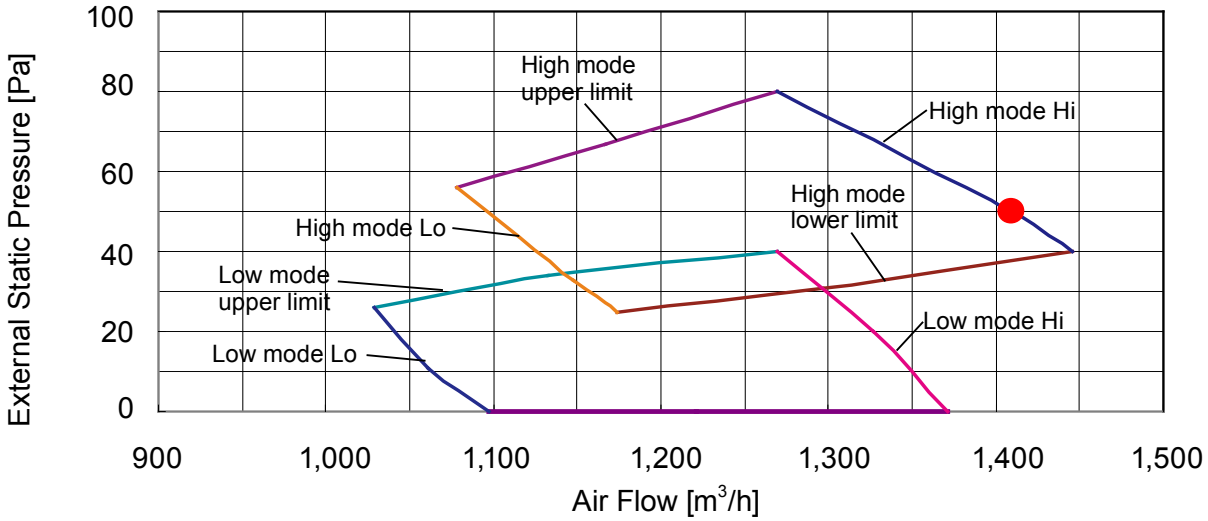


Heating

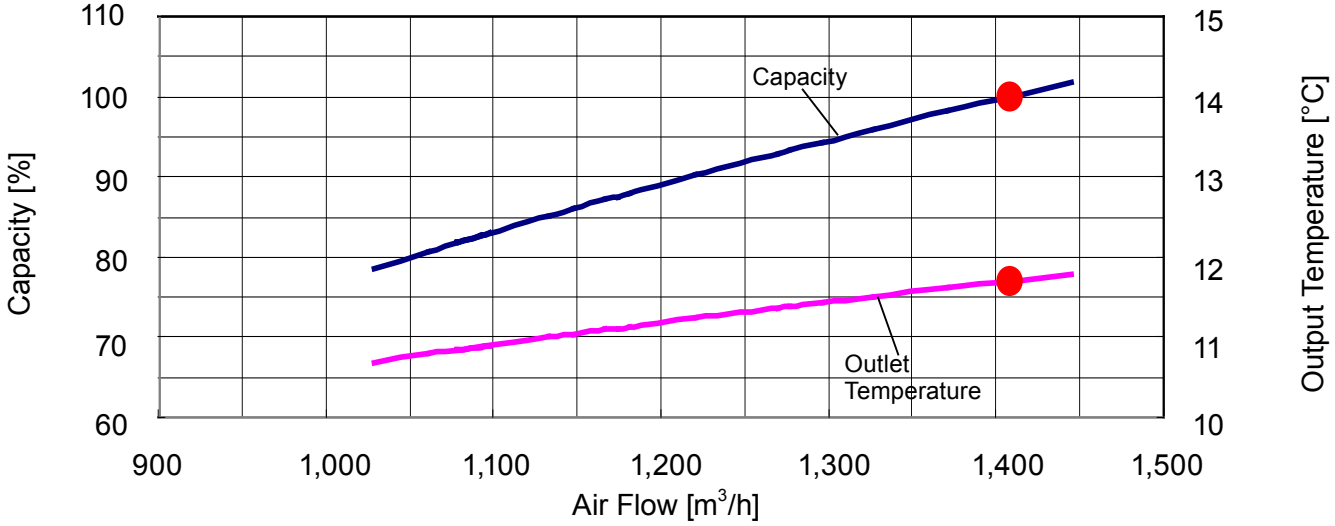


INDOOR UNITS

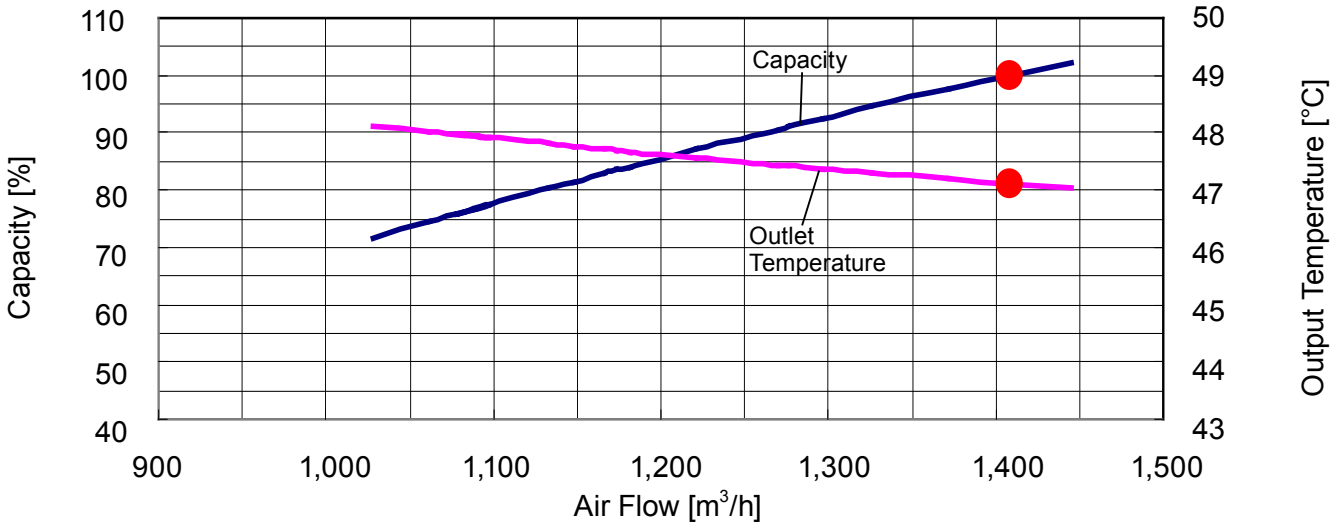
■ MODEL : ARXB30



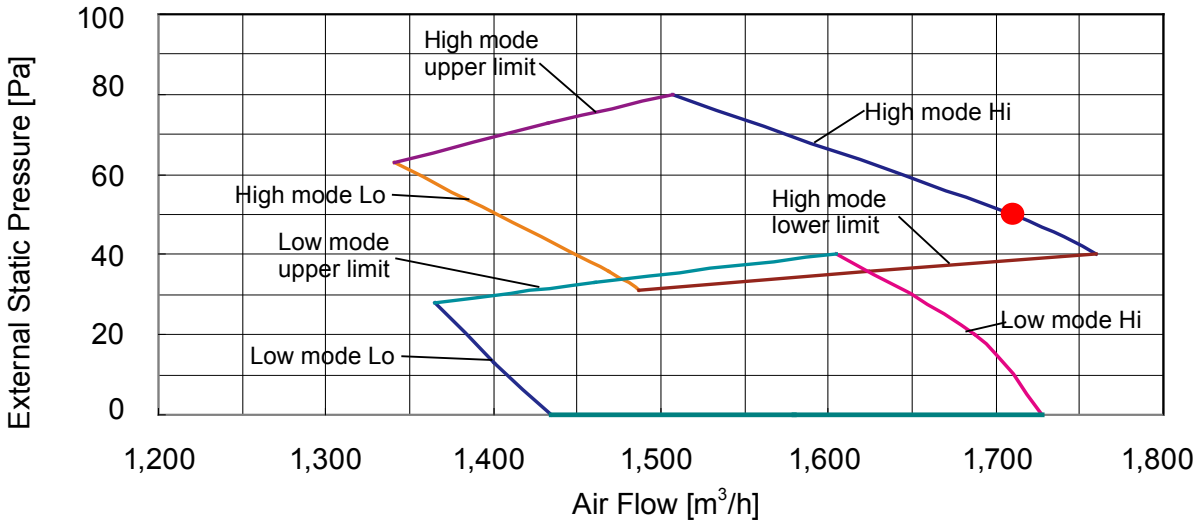
Cooling



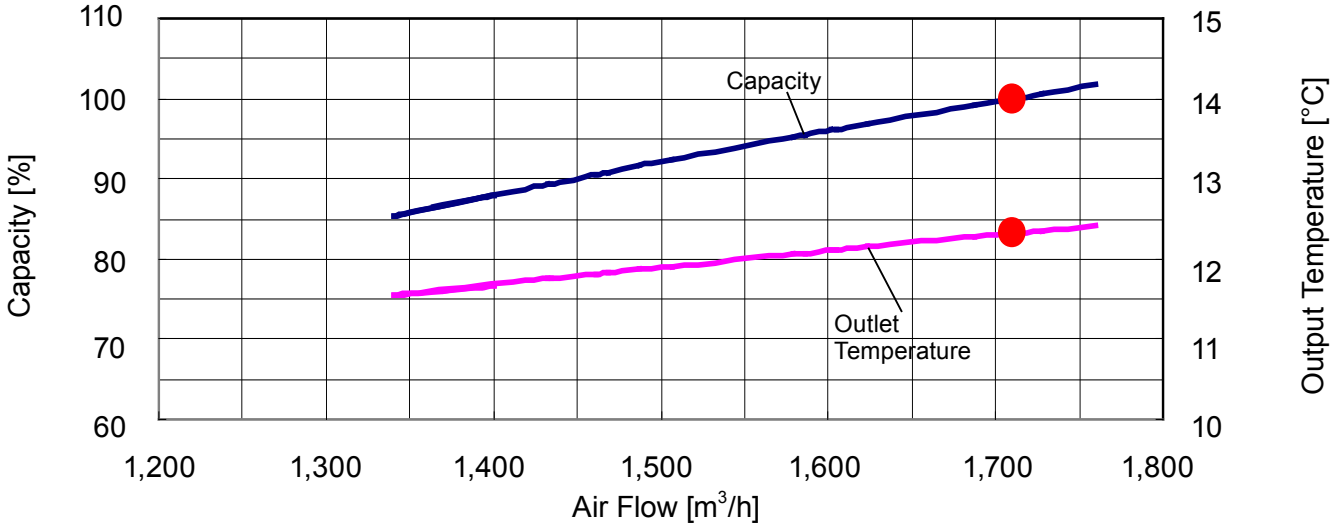
Heating



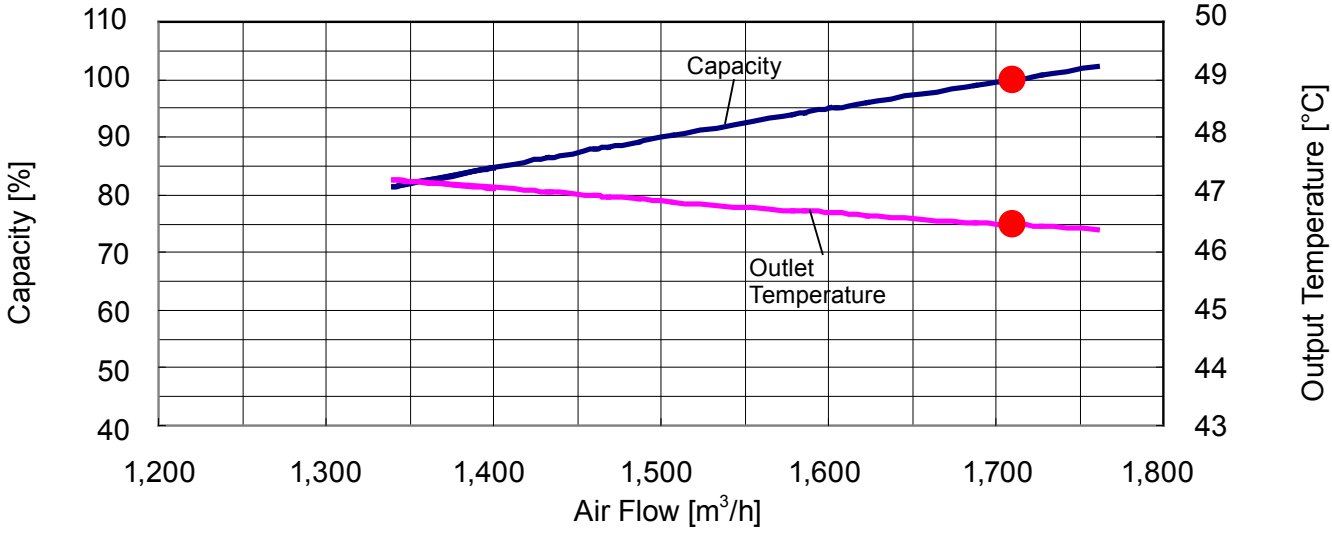
■ MODEL : ARXB36



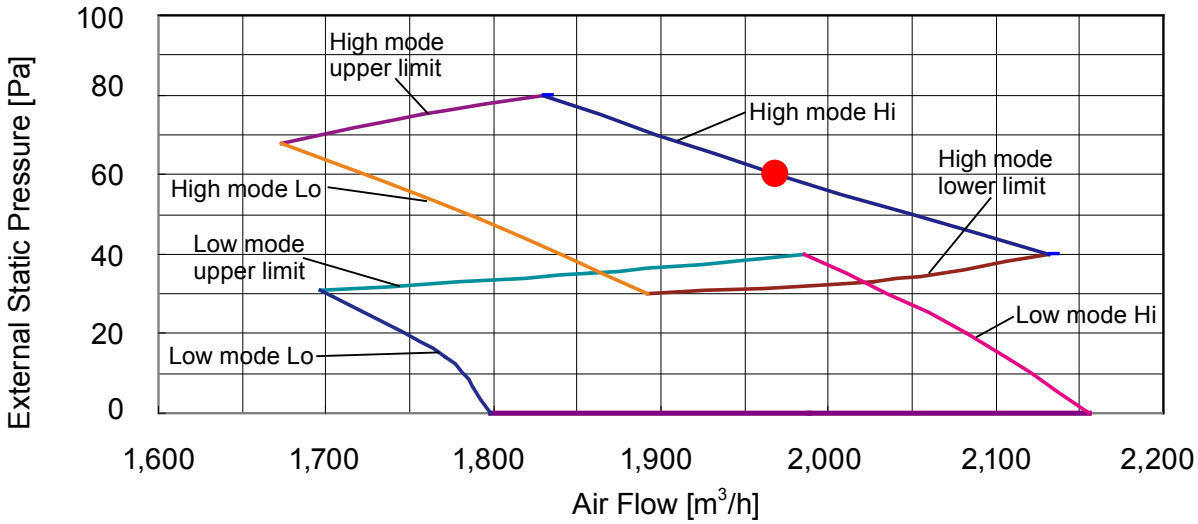
Cooling



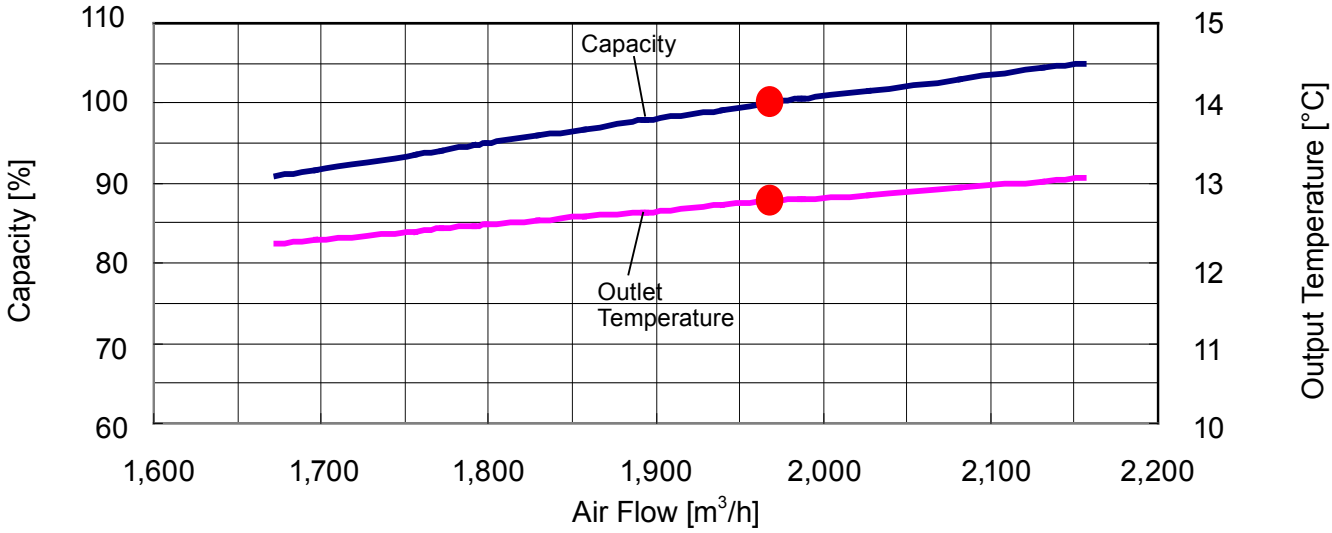
Heating



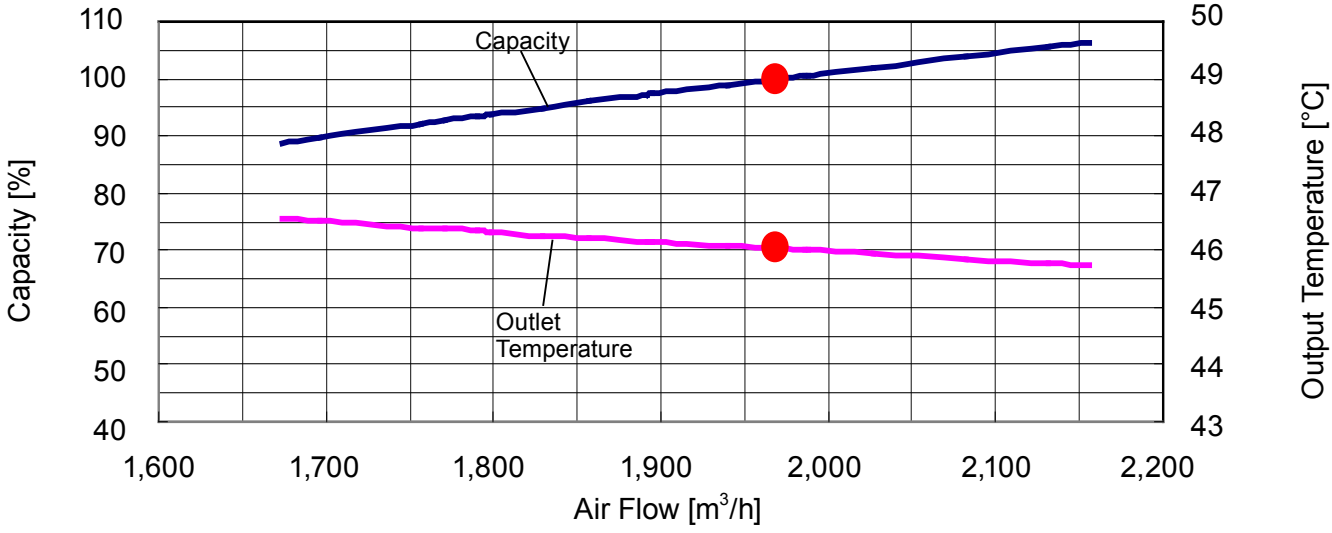
■ MODEL : ARXB45



Cooling

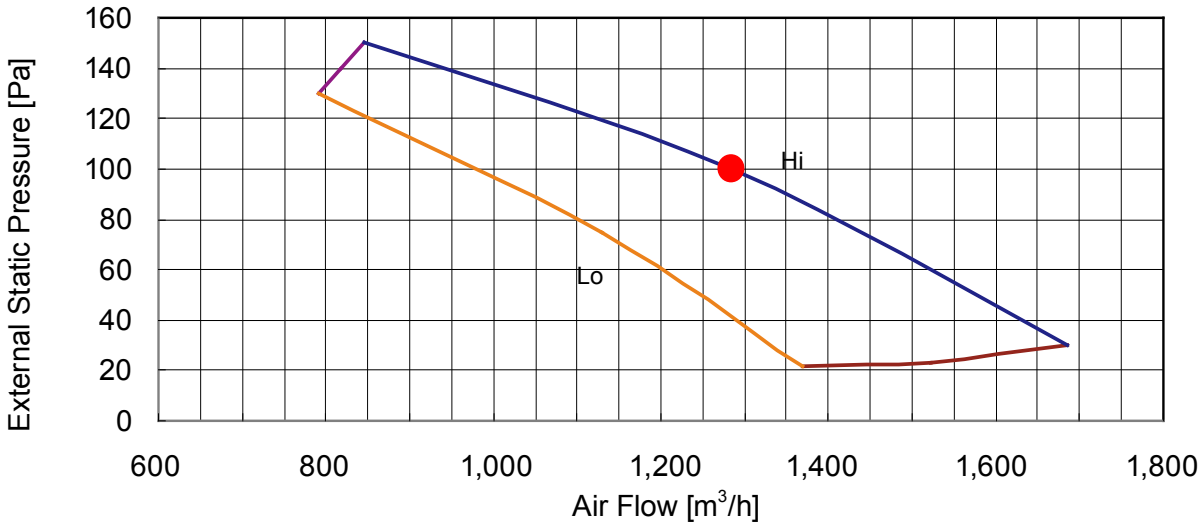


Heating

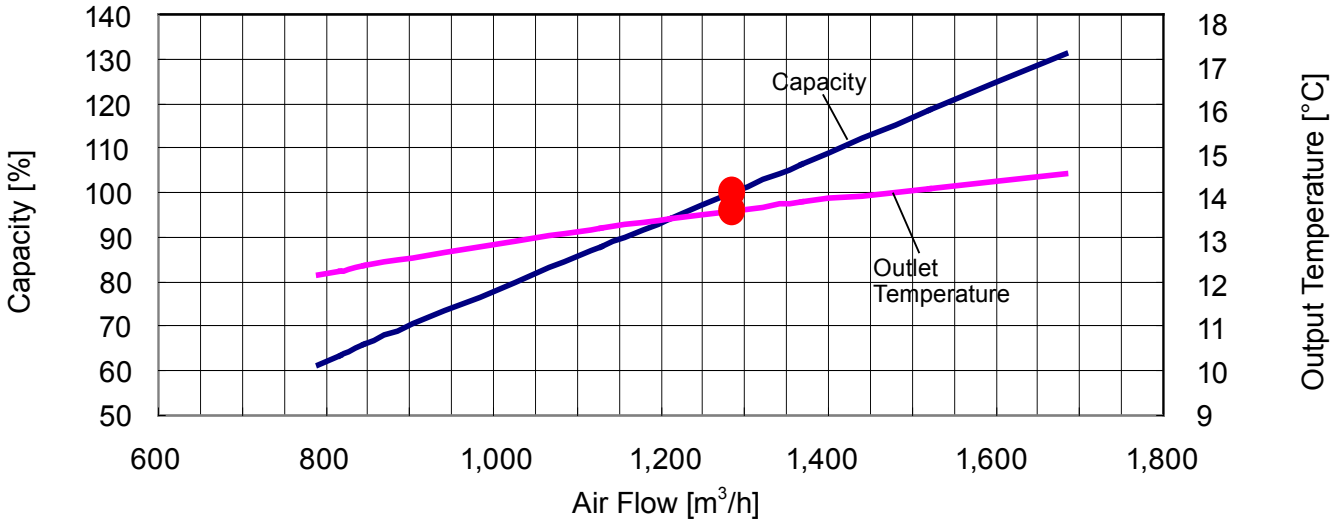


4-7-3. DUCT TYPE

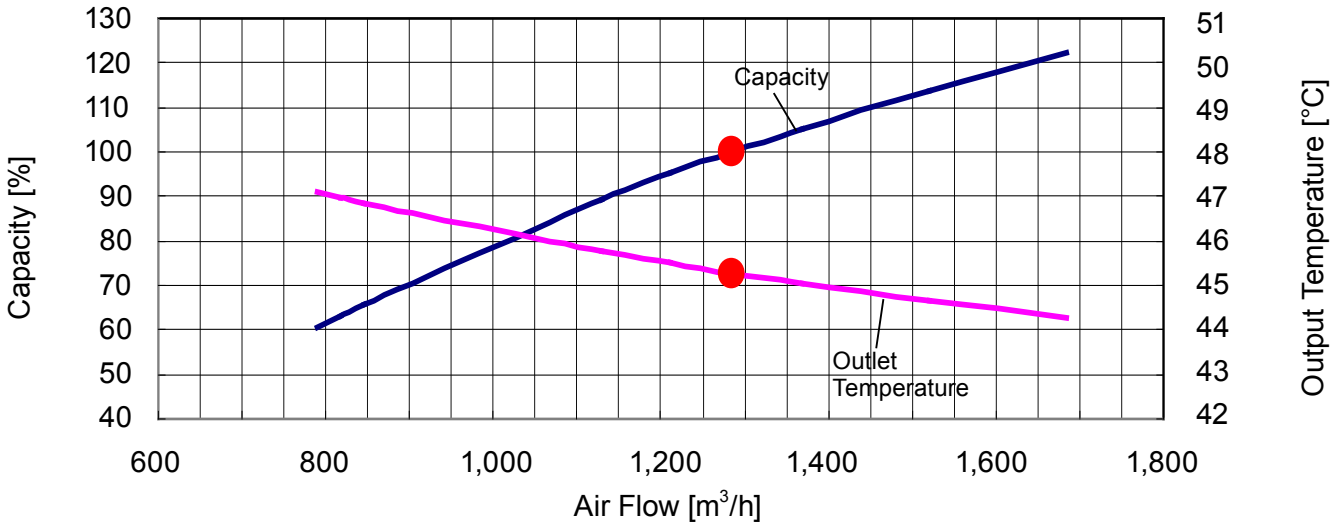
■ MODEL : ARXA24



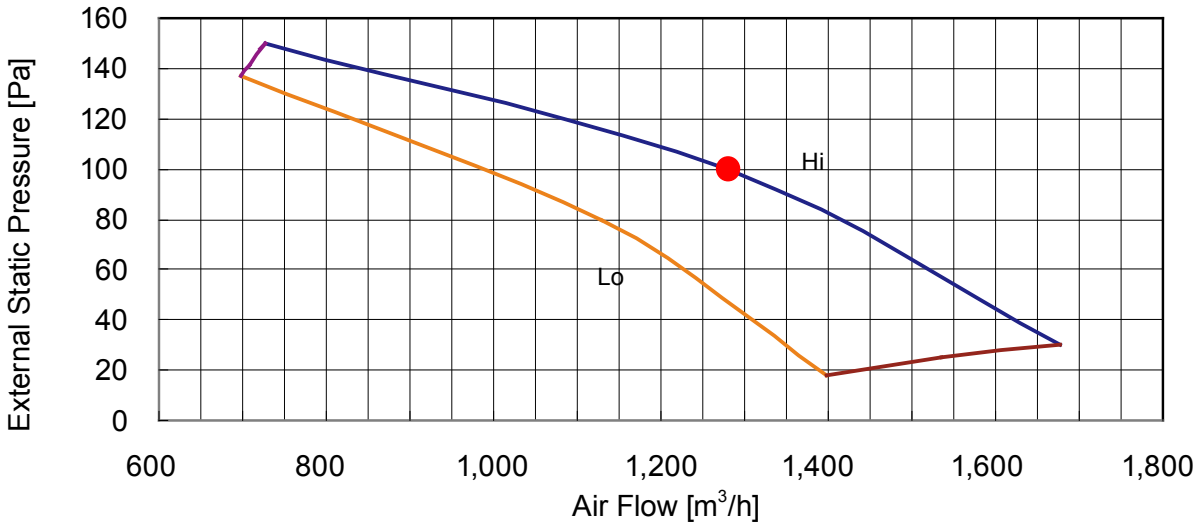
Cooling



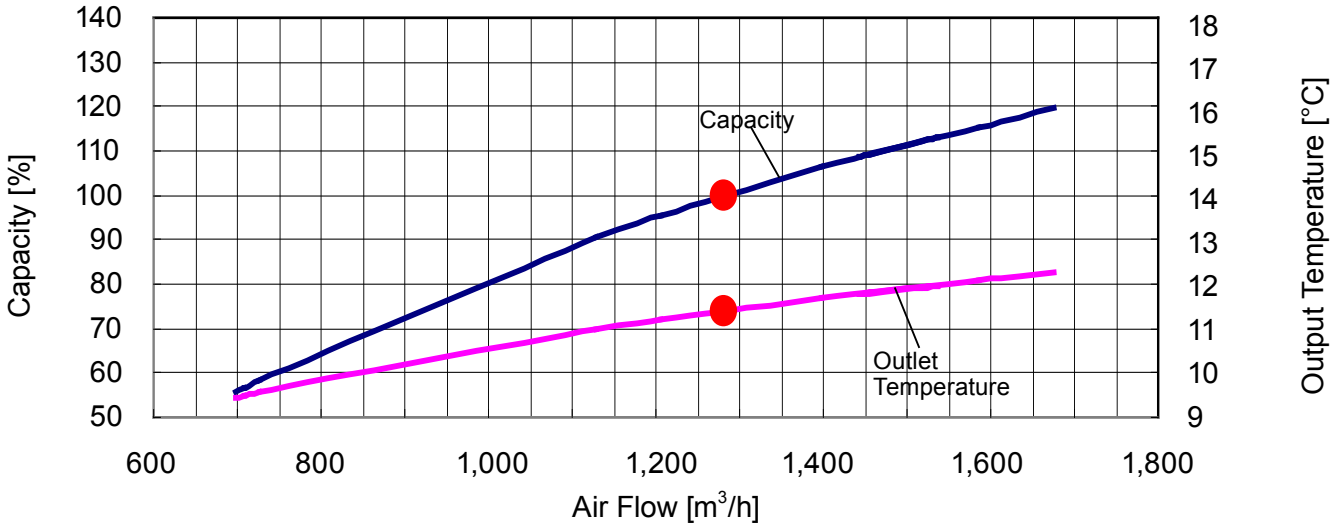
Heating



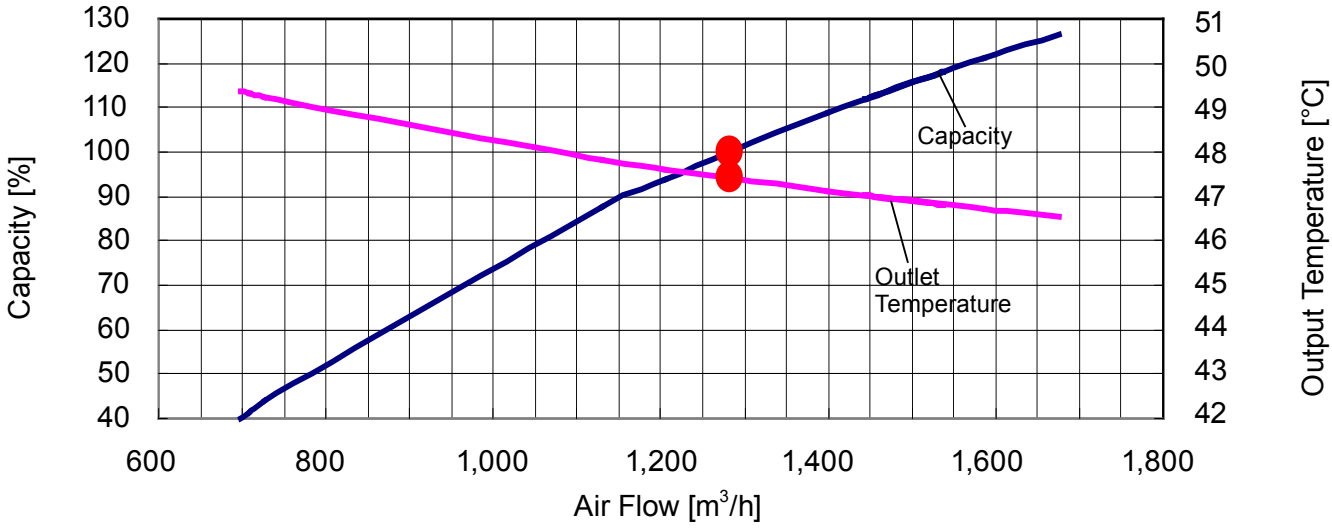
■ MODEL : ARXA30



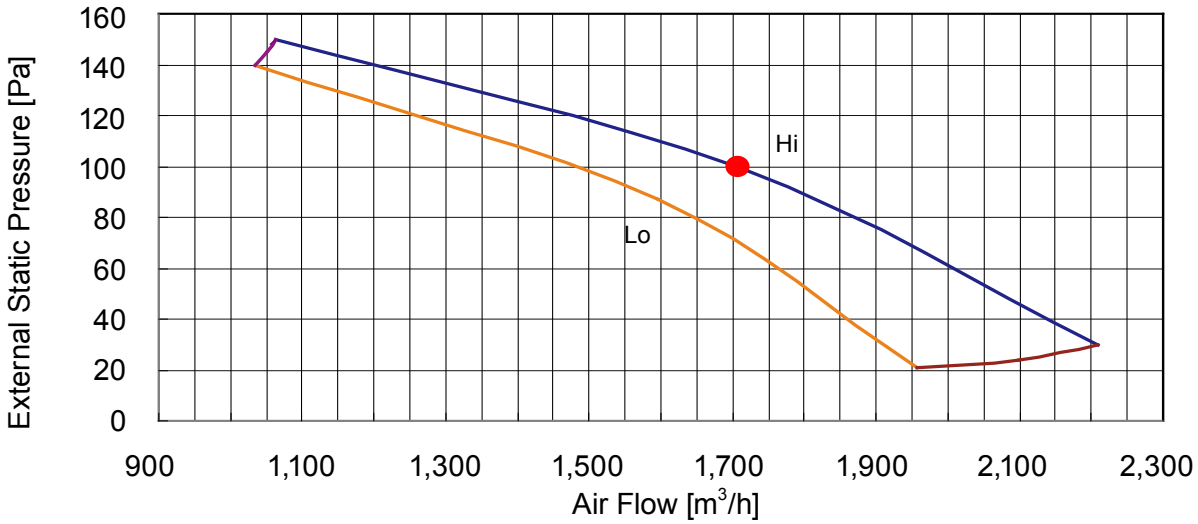
Cooling



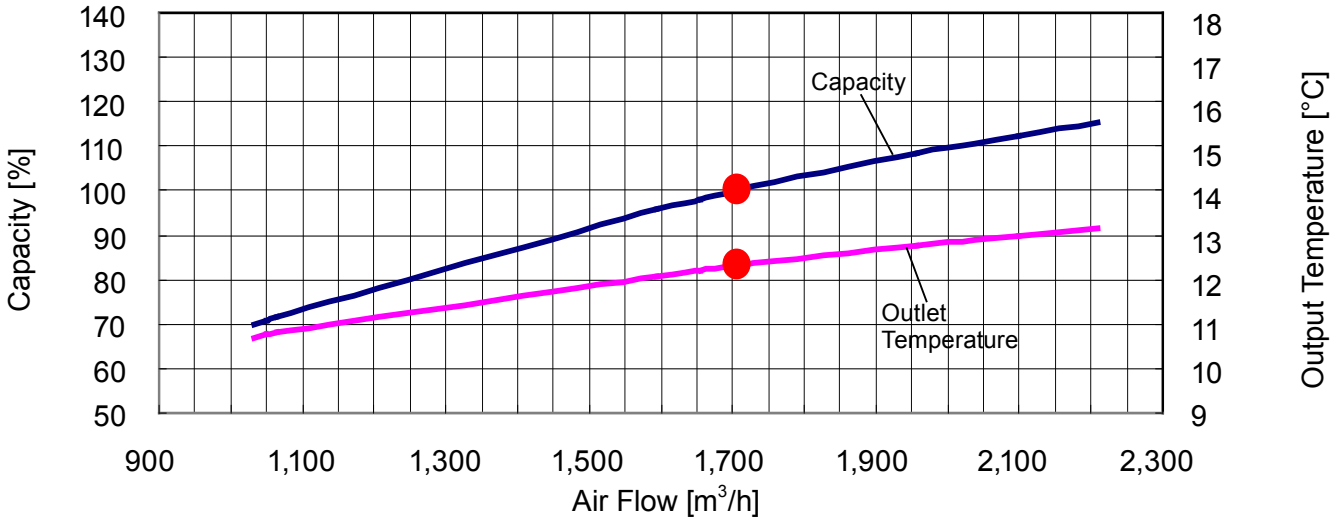
Heating



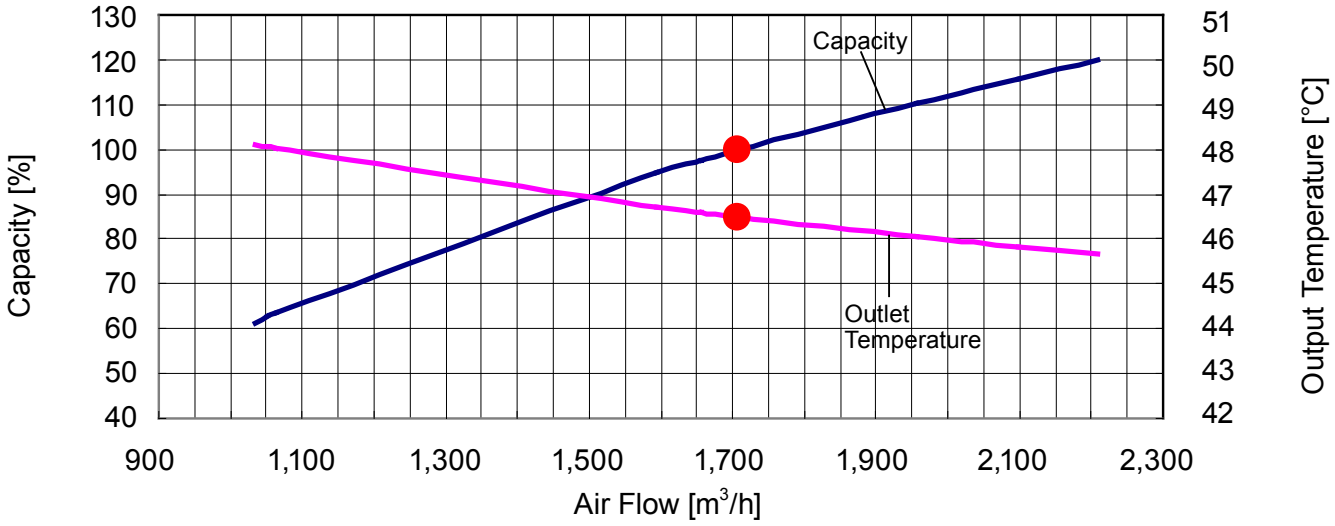
■ MODEL : ARXA36



Cooling

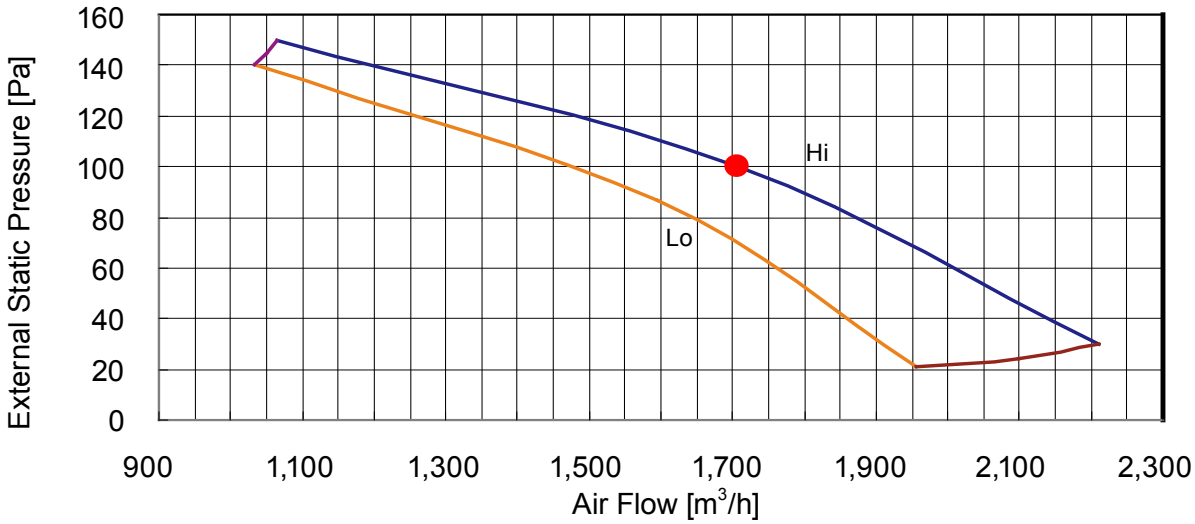


Heating

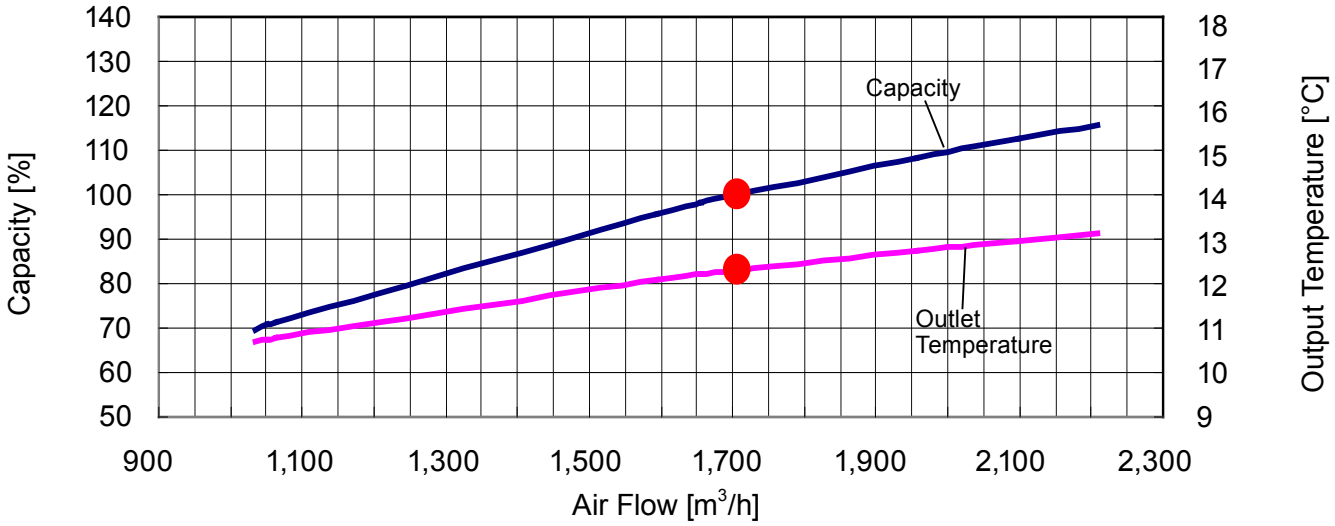


INDOOR UNITS

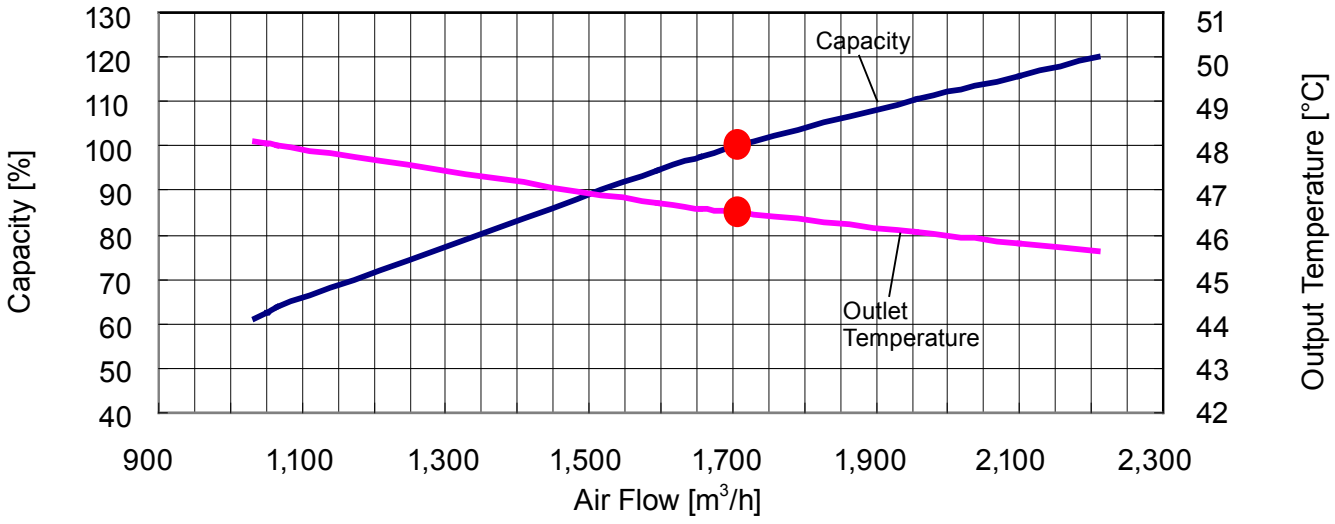
■ MODEL : ARXA45



Cooling



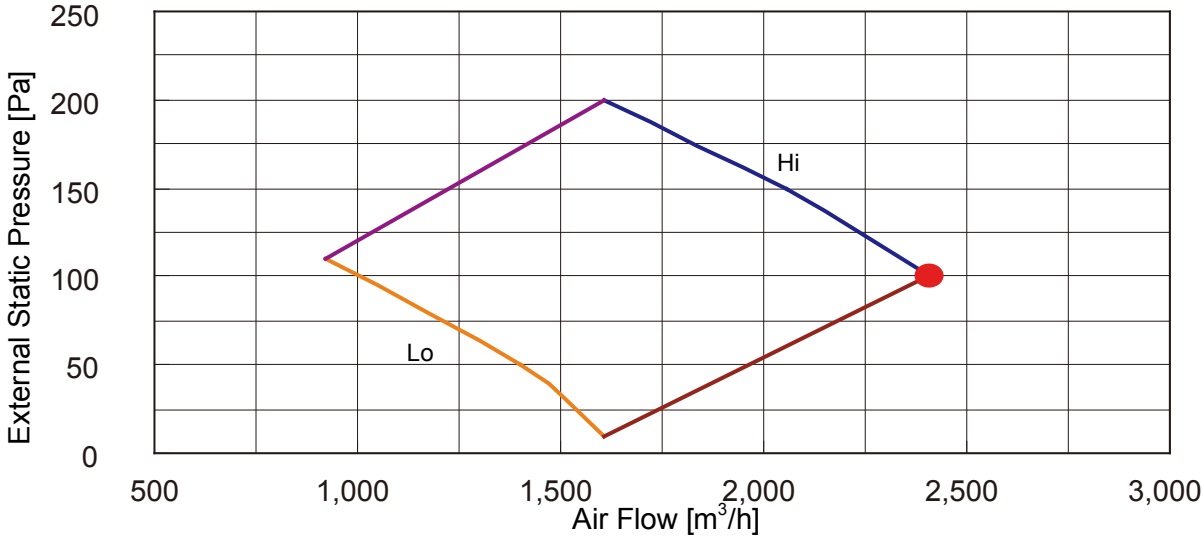
Heating

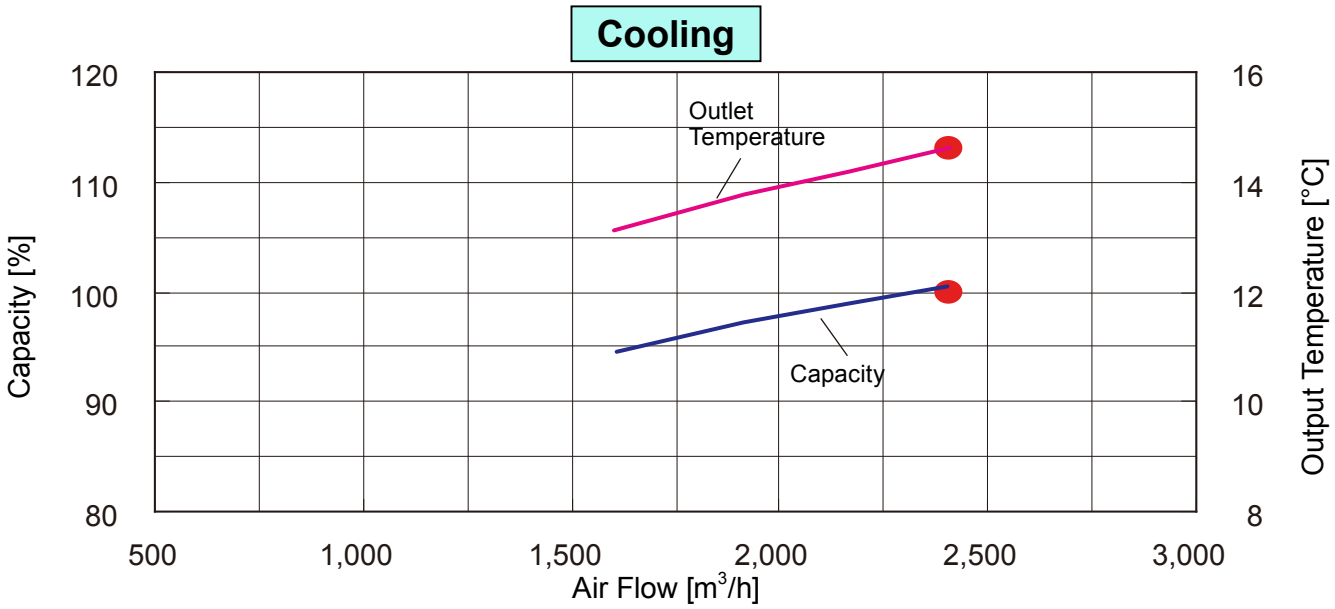


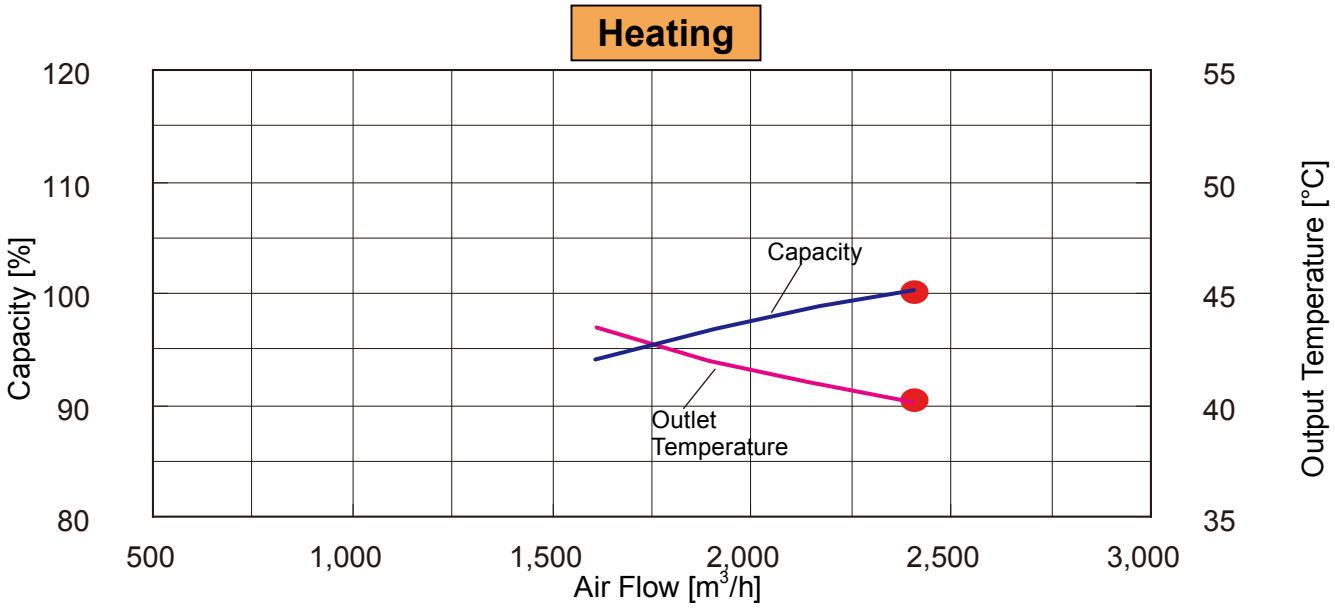
INDOOR UNITS

4-7-4. HIGH STATIC PRESSURE DUCT TYPE

■ MODEL : ARXC36

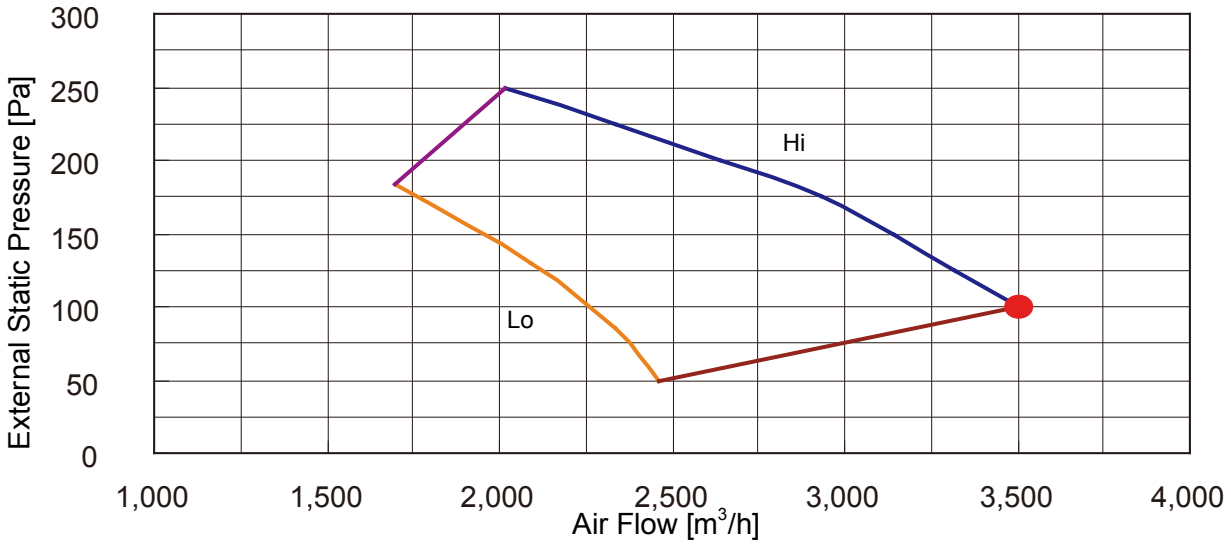




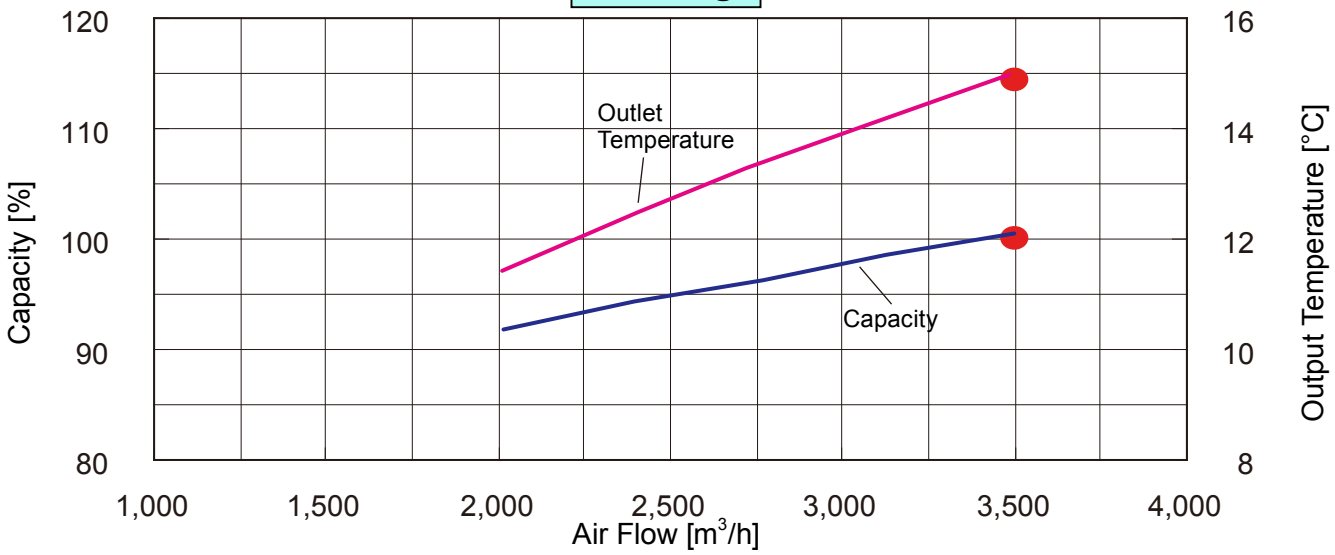


INDOOR UNITS

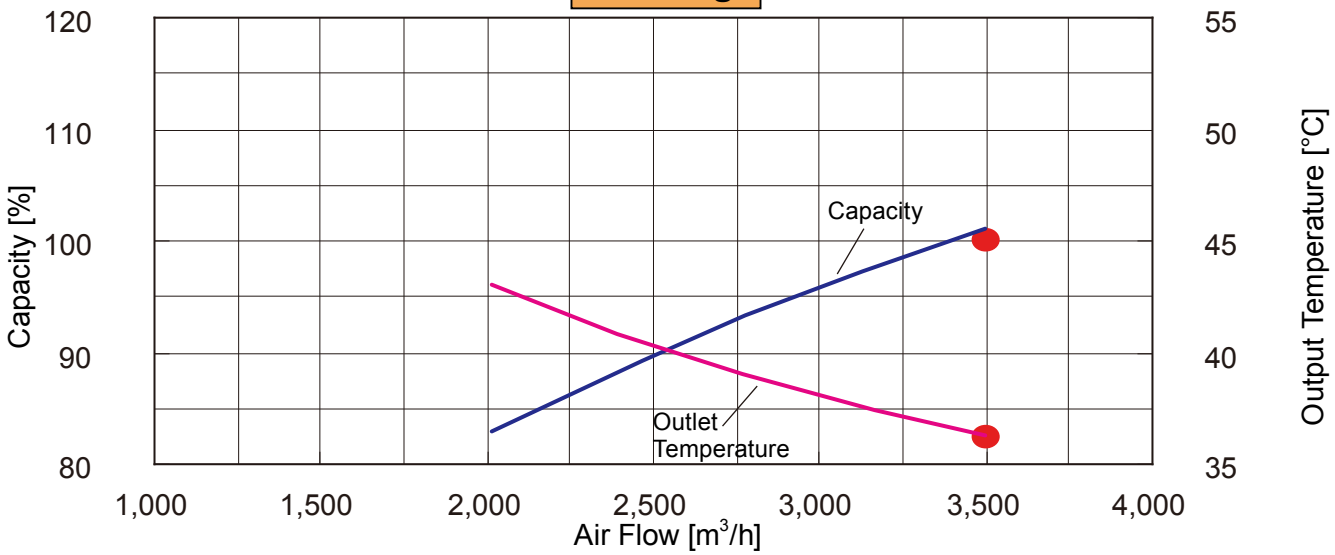
■ MODEL : ARXC45



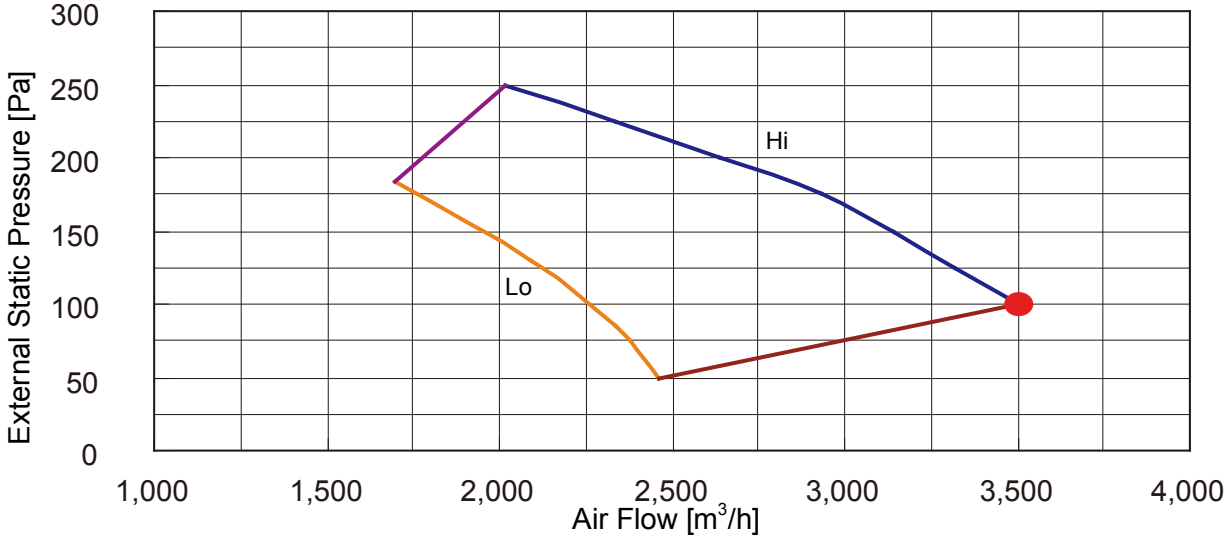
Cooling



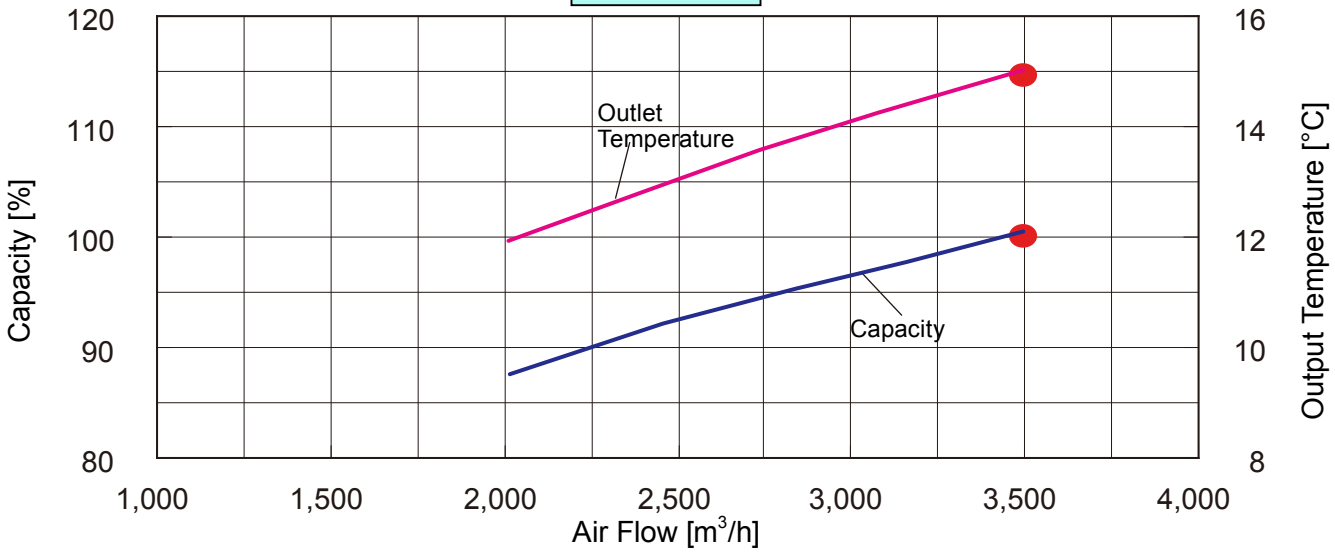
Heating



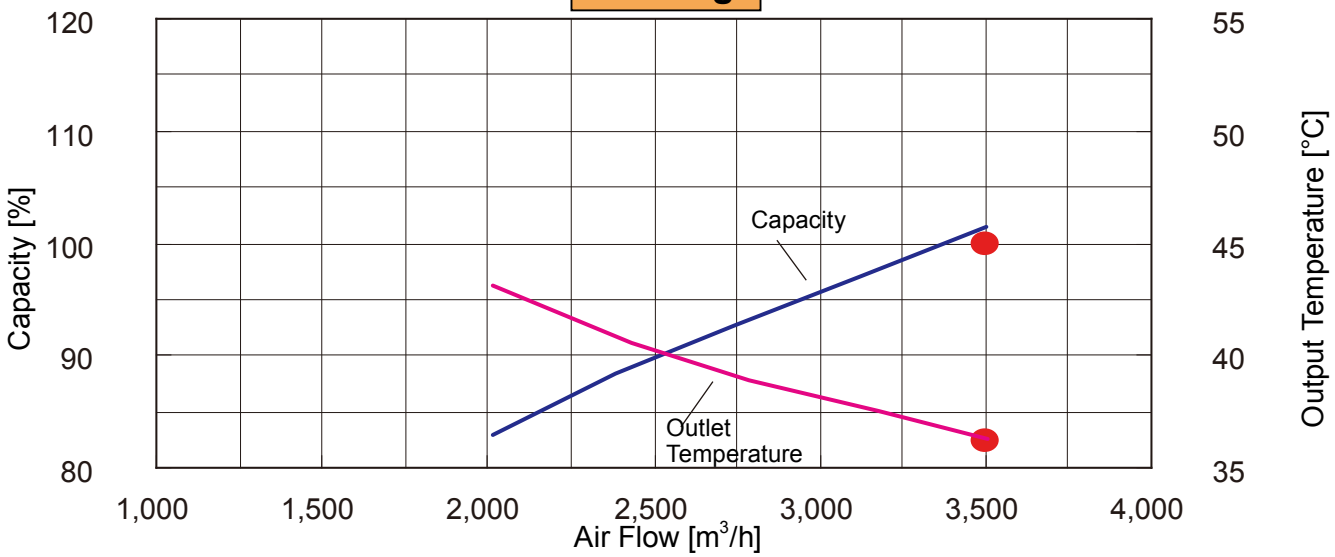
■ MODEL : ARXC60



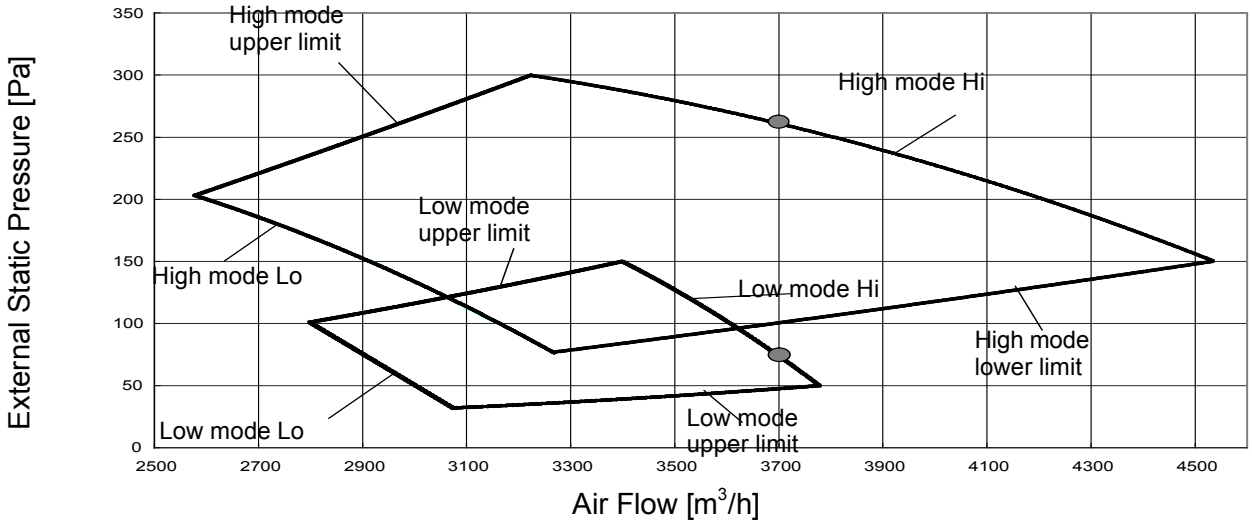
Cooling



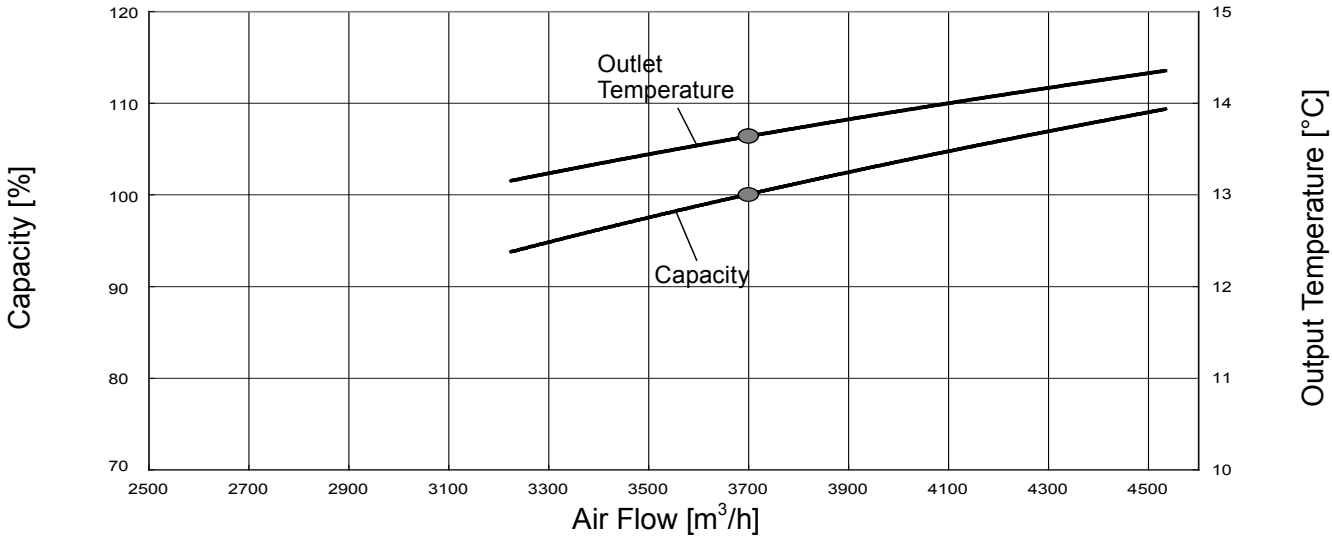
Heating



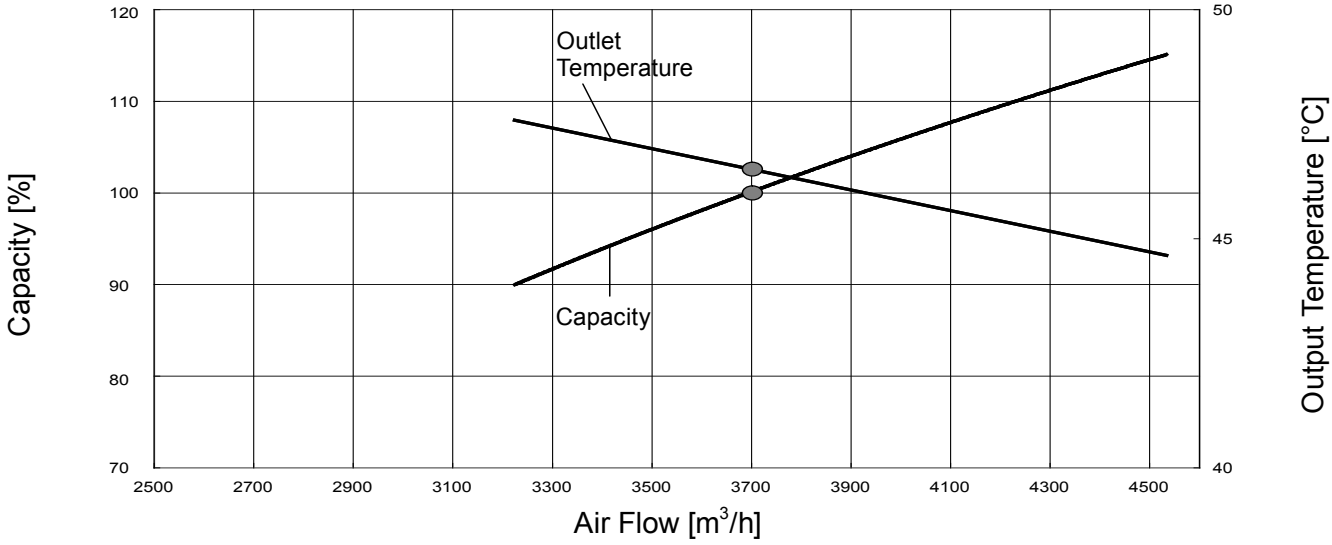
■ MODEL : ARXC72



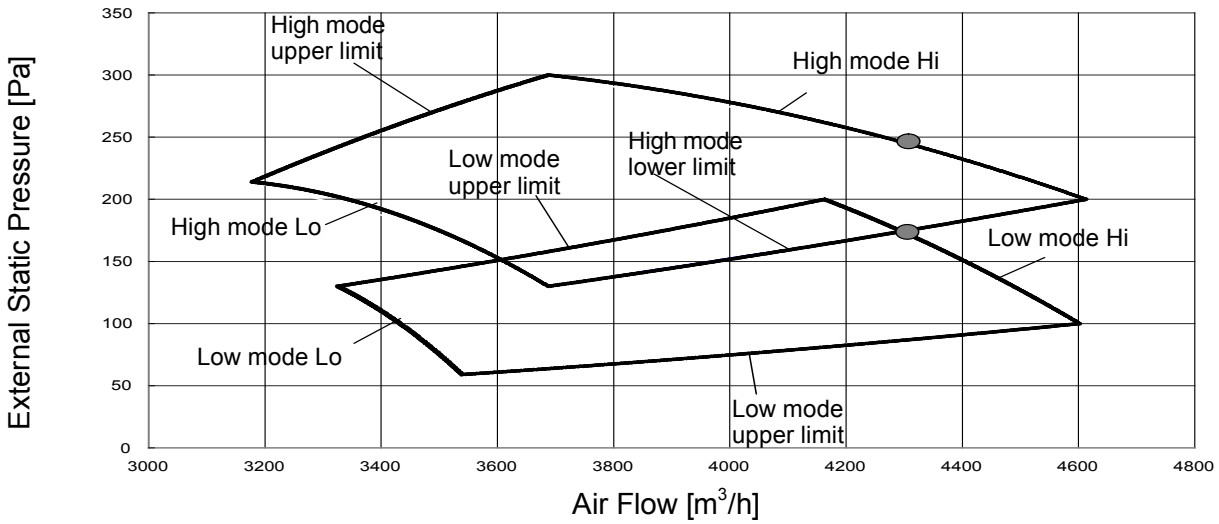
Cooling



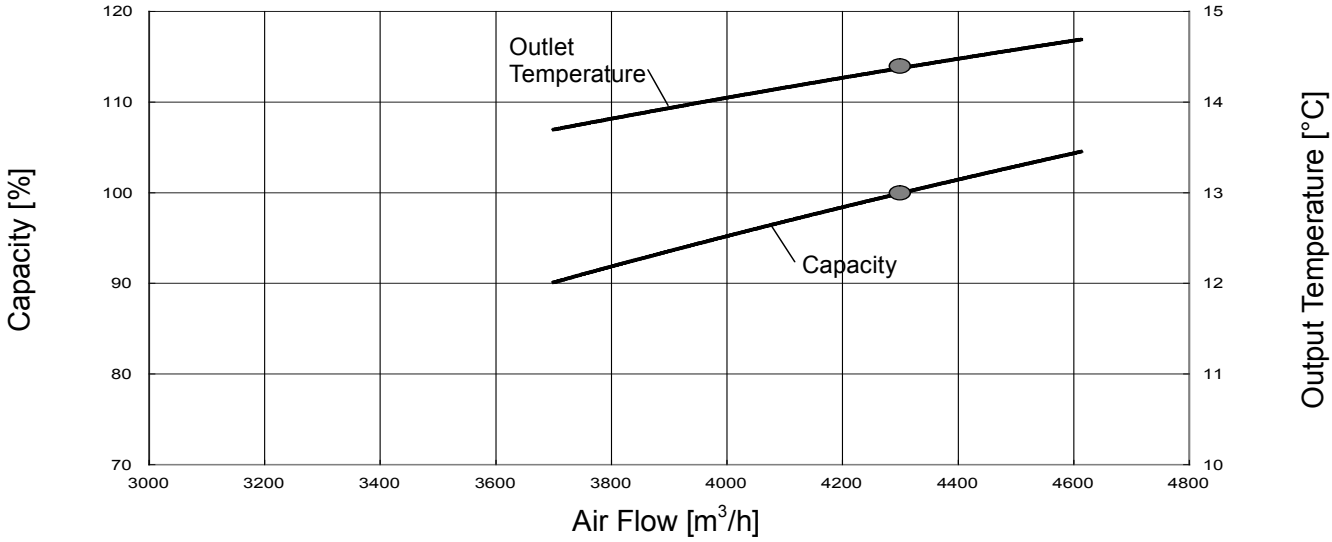
Heating



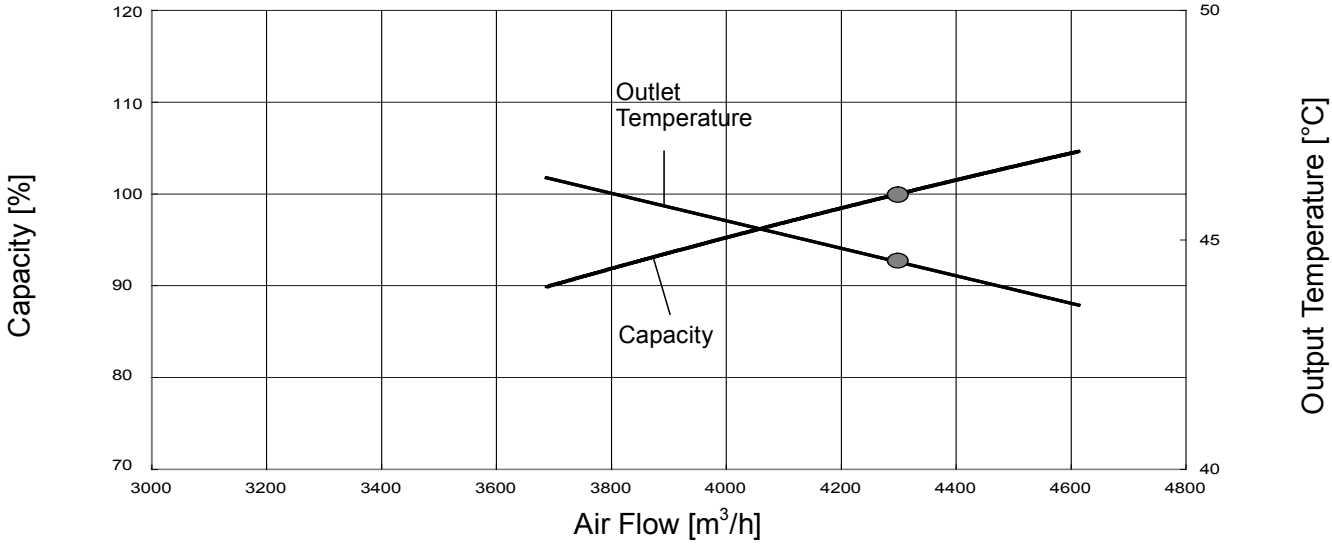
■ MODEL : ARXC90



Cooling



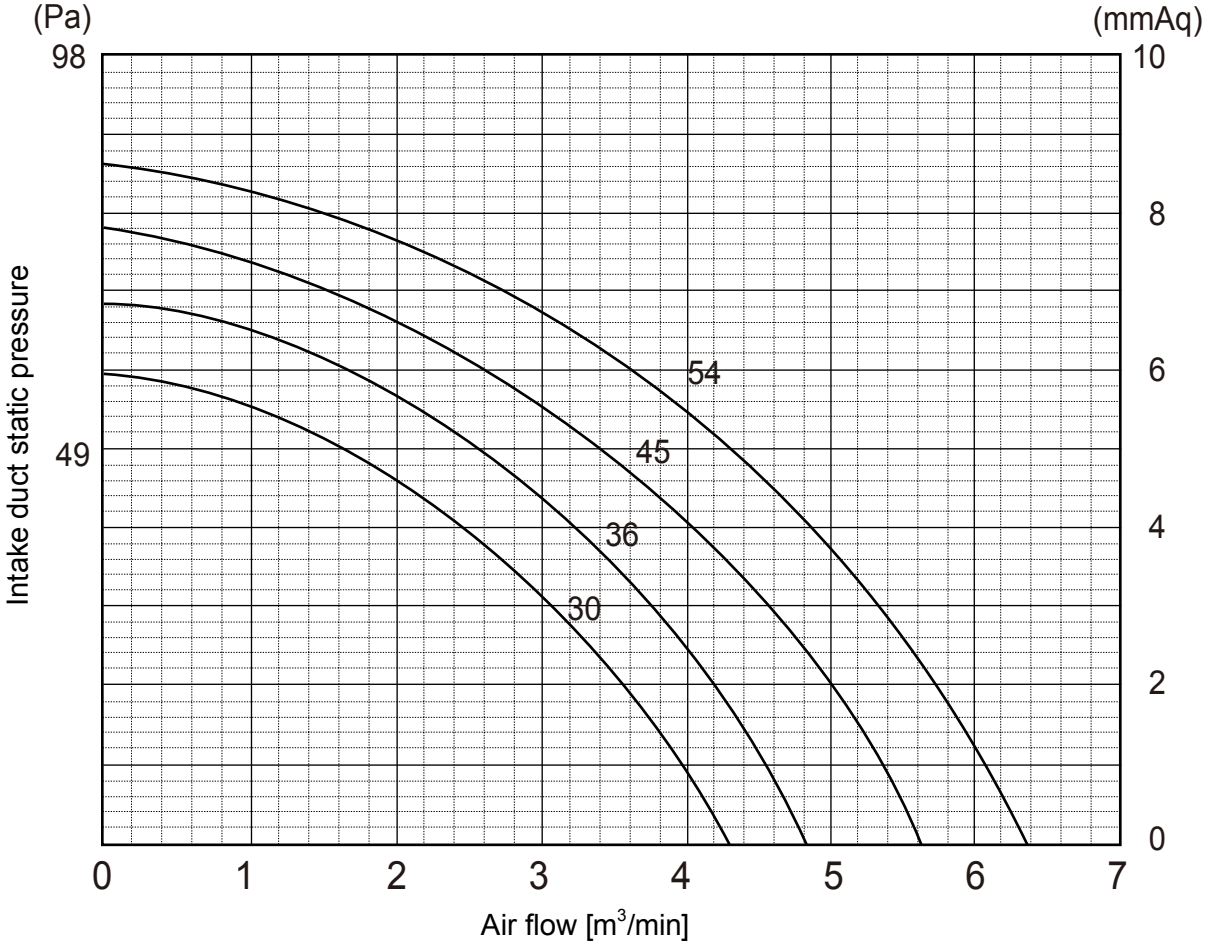
Heating



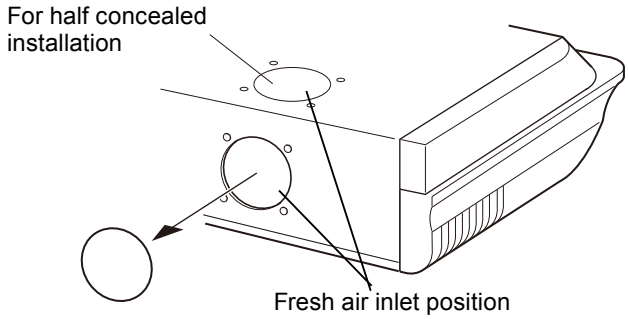
4-7-5. CEILING TYPE (FRESH AIR)

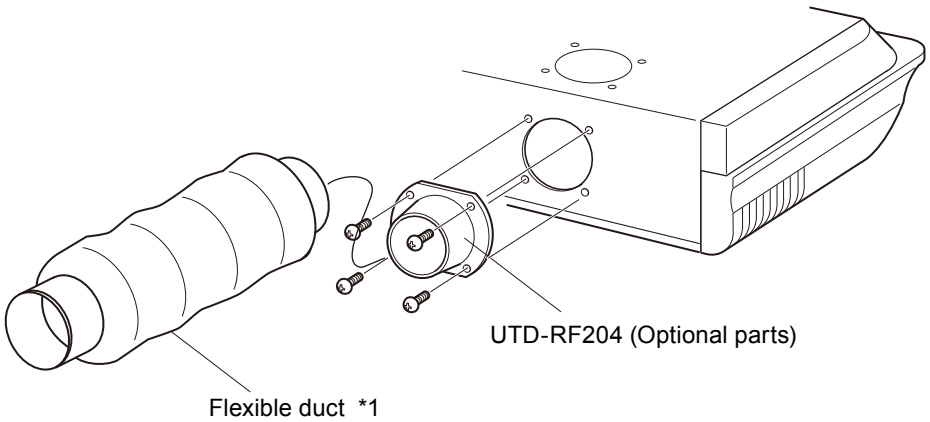
■ MODELS : AB∗A30, AB∗A36, AB∗A45, AB∗A54

● Air flow volume - Static pressure of Fresh air intake characteristic



● Installation





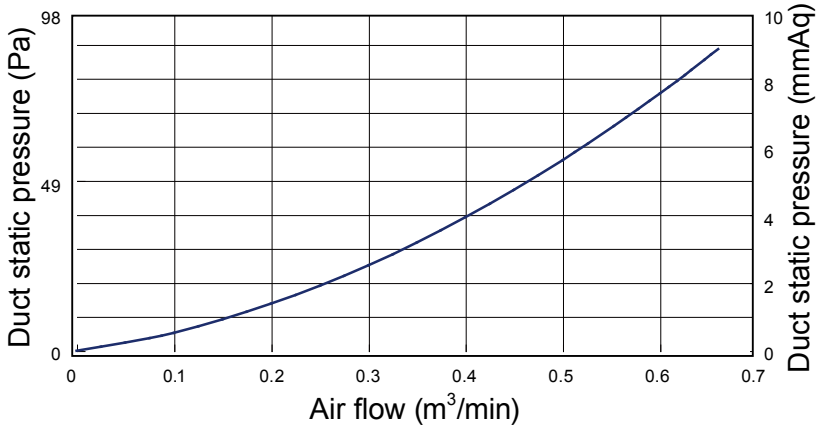
*1 : Locally procured parts

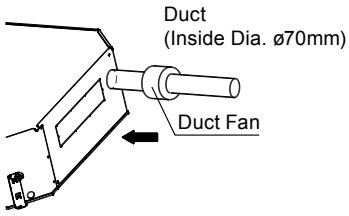
INDOOR UNITS

4-7-6. CASSETTE TYPE (FRESH AIR)

■ MODELS : AUXD18, AUXD24, AUXA30, AUXA36, AUXA45, AUXA54

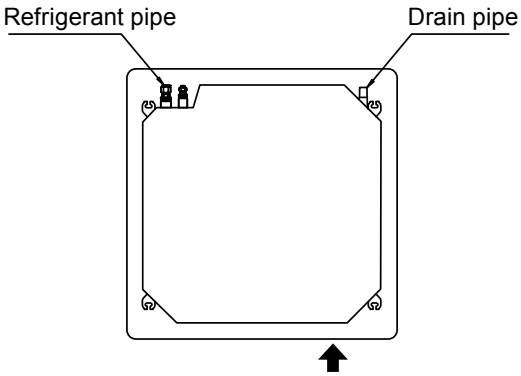
● Air flow volume - Static pressure of Fresh air intake characteristic

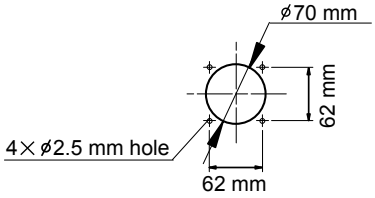


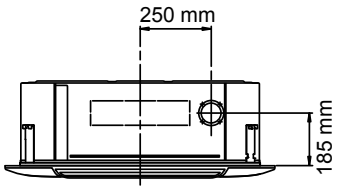


Static pressure required
to take in fresh air

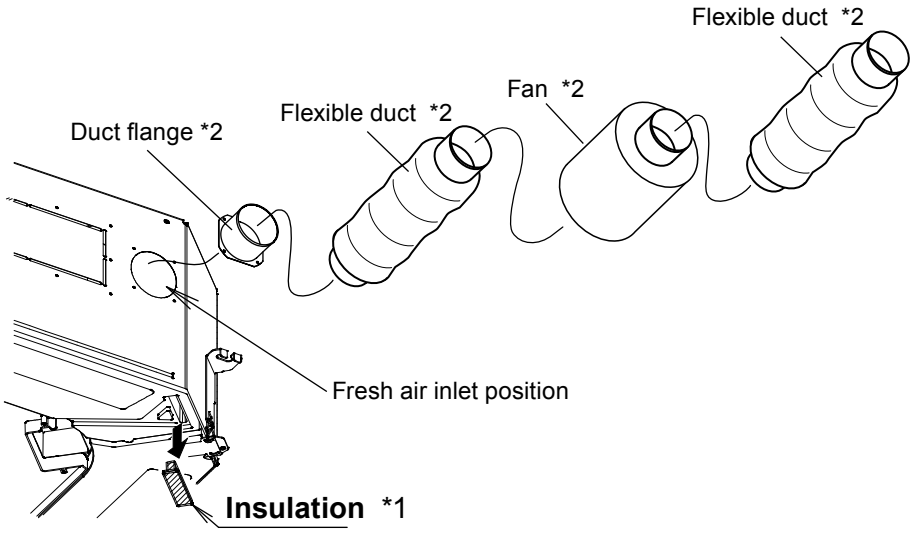
● Installation







Fresh air inlet position



*1 : In case of fresh air intake, please remove the insulation.

*2 : Locally procured parts

4-8. AIR FLOW

Type	Model	Airflow			
			m^3/h	l/s	CFM
Compact Cassette	AUXB07	High	540	150	318
		Med	450	125	265
		Low	350	97	206
	AUXB09	High	550	153	324
		Med	450	125	265
		Low	350	97	206
	AUXB12	High	600	167	353
		Med	530	147	312
		Low	390	108	230
	AUXB14	High	680	189	400
		Med	590	164	347
		Low	390	108	230
	AUXB18	High	710	197	418
		Med	580	161	341
		Low	400	111	235
	AUXB24	High	1030	286	606
		Med	830	231	489
		Low	450	125	265
Cassette	AUXD18	High	1150	319	677
		Med	940	261	553
		Low	870	242	512
	AUXD24	High	1280	356	753
		Med	1040	289	612
		Low	870	242	512
	AUXA30	High	1600	444	942
		Med	1300	361	765
		Low	1000	278	589
	AUXA36	High	1800	500	1059
		Med	1300	361	765
		Low	1000	278	589
	AUXA45	High	1900	528	1118
		Med	1370	381	806
		Low	1000	278	589
	AUXA54	High	2000	556	1177
		Med	1370	381	806
		Low	1000	278	589
Compact Duct	ARXB07	High	370	103	218
		Med	310	86	182
		Low	280	78	165
	ARXB09	High	440	122	259
		Med	370	103	218
		Low	340	94	200
	ARXB12	High	590	164	347
		Med	500	139	294
		Low	450	125	265
	ARXB14	High	800	222	471
		Med	750	208	441
		Low	700	194	412
	ARXB18	High	890	247	524
		Med	810	225	477
		Low	730	203	430
Low Static Pressure Duct	ARXB24	High	1100	306	647
		Med	920	256	542
		Low	810	225	477
	ARXB30	High	1410	392	830
		Med	1280	356	753
		Low	1150	319	677
	ARXB36	High	1710	475	1007
		Med	1600	444	942
		Low	1470	408	865
	ARXB45	High	1970	547	1160
		Med	1790	497	1054
		Low	1670	464	983
Duct	ARXA24	High	1280	356	753
		Med	1210	336	712
		Low	1130	314	665
	ARXA30	High	1280	356	753
		Med	1210	336	712
		Low	1130	314	665
	ARXA36	High	1720	478	1012
		Med	1670	464	983
		Low	1600	444	942
	ARXA45	High	1720	478	1012
		Med	1670	464	983
		Low	1600	444	942

Type	Model	Airflow			
			m^3/h	l/s	CFM
High Static Pressure Duct	ARXC36	High	2600	722	1530
		Med	1950	542	1148
		Low	1450	403	853
	ARXC45	High	3500	972	2060
		Med	3000	833	1766
		Low	2460	683	1448
	ARXC60	High	3500	972	2060
		Med	3000	833	1766
		Low	2460	683	1448
	ARXC72	High	3900	1083	2296
		Med	3300	917	1942
		Low	3000	833	1766
	ARXC90	High	4300	1195	2531
		Med	4000	1111	2354
		Low	3500	972	2060
Floor/ Ceiling	AB∗A12	High	600	167	353
		Med	500	139	294
		Low	480	133	283
	AB∗A14	High	600	167	353
		Med	500	139	294
		Low	480	133	283
	AB∗A18	High	780	217	459
		Med	650	181	383
		Low	550	153	324
	AB∗A24	High	880	244	518
		Med	740	206	436
		Low	630	175	371
Ceiling	AB∗A30	High	1450	403	853
		Med	1280	356	753
		Low	980	272	577
	AB∗A36	High	1660	461	977
		Med	1500	417	883
		Low	1270	353	748
	AB∗A45	High	1850	514	1089
		Med	1660	461	977
		Low	1430	397	842
	AB∗A54	High	2200	611	1295
		Med	2000	556	1177
		Low	1800	500	1059
Compact Wall Mounted (EEV internal model)	AS∗A07	High	490	136	288
		Med	450	125	265
		Low	370	103	218
	AS∗A09	High	500	139	294
		Med	450	125	265
		Low	370	103	218
	AS∗A12	High	560	156	330
		Med	480	133	283
		Low	420	117	247
	AS∗A14	High	670	186	394
		Med	490	136	288
		Low	420	117	247
Compact Wall Mounted (EEV external model)	AS∗E07	High	490	136	288
		Med	450	125	265
		Low	370	103	218
	AS∗E09	High	500	139	294
		Med	450	125	265
		Low	370	103	218
	AS∗E12	High	560	156	330
		Med	480	133	283
		Low	420	117	247
	AS∗E14	High	680	189	400
		Med	490	136	288
		Low	420	117	247
Wall Mounted	AS∗A18	High	870	242	512
		Med	700	194	412
		Low	540	150	318
	AS∗A24	High	940	261	553
		Med	720	200	424
		Low	600	167	353
	AS∗A30	High	980	272	577
		Med	870	242	512
		Low	750	208	441

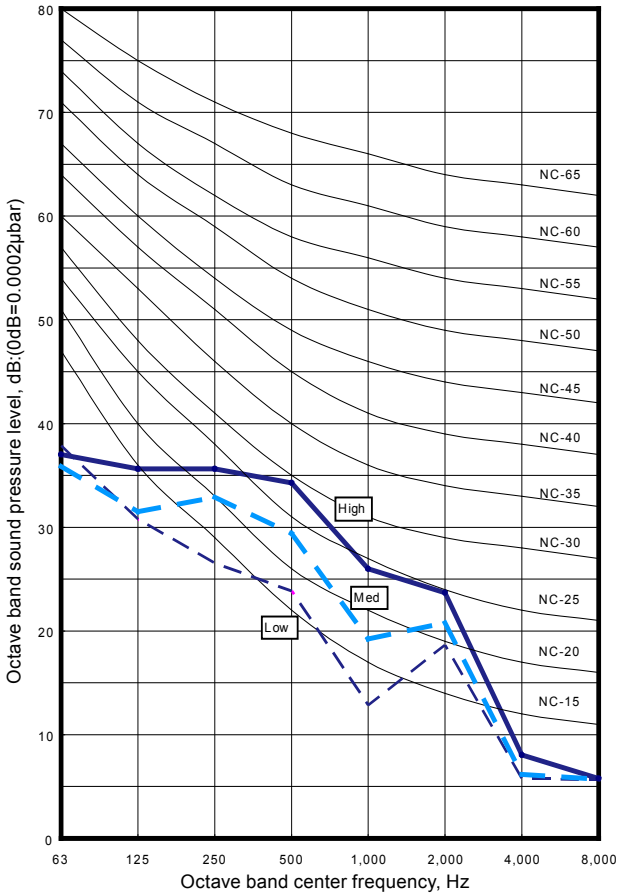
Conversion Factor
1 m^3/h = 0.2778 l/s = 0.5886 CFM
3.6 m^3/h = 1 l/s
1.699 m^3/h = 1 CFM

INDOOR UNITS

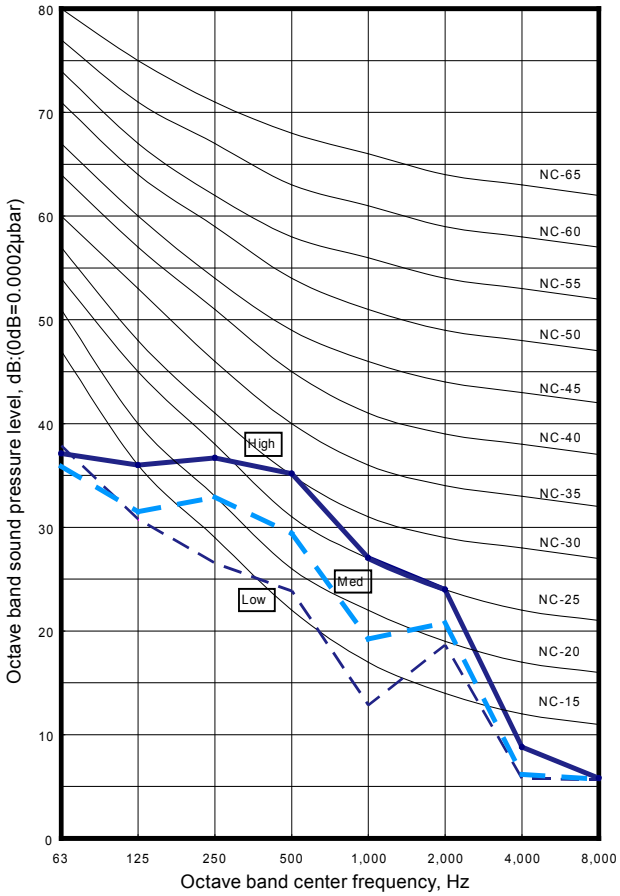
4-9. NOISE LEVEL CURVE

4-9-1. COMPACT CASSETTE TYPE

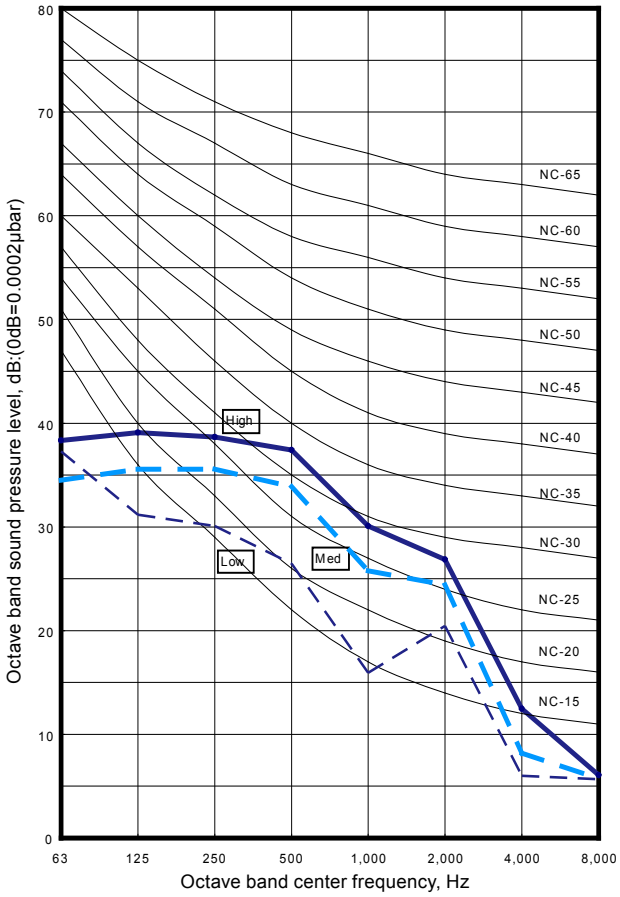
■ MODEL : AUXB07



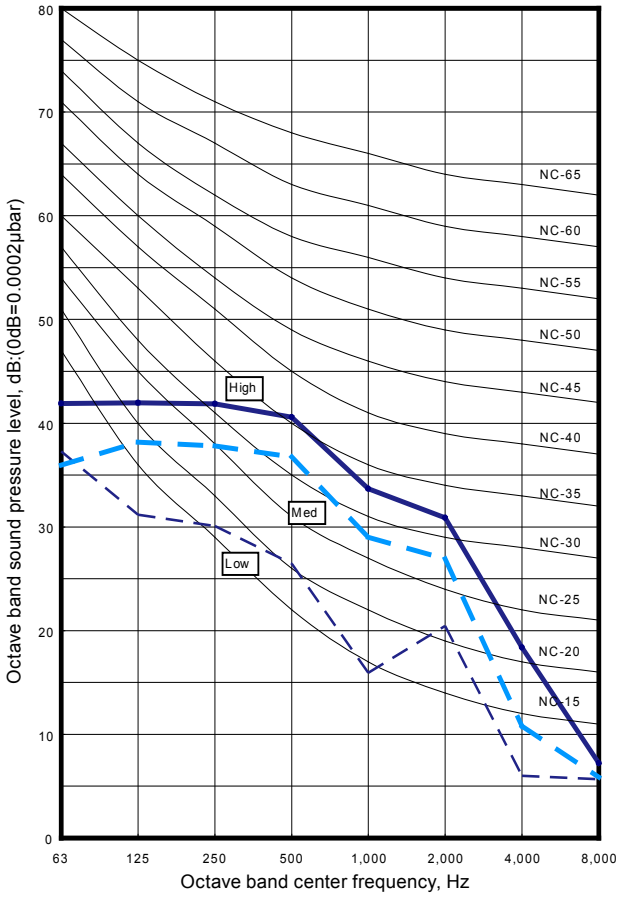
■ MODEL : AUXB09



■ MODEL : AUXB12

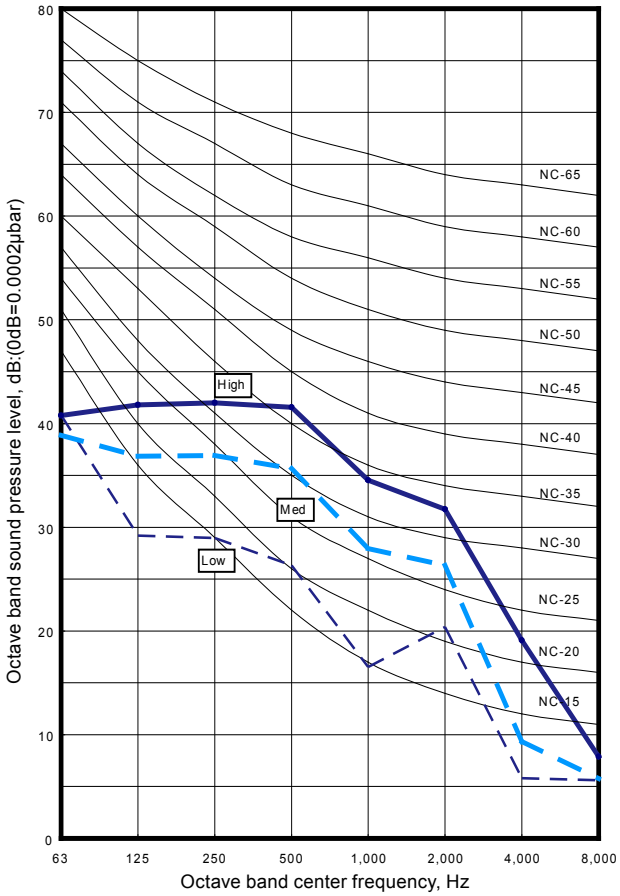


■ MODEL : AUXB14

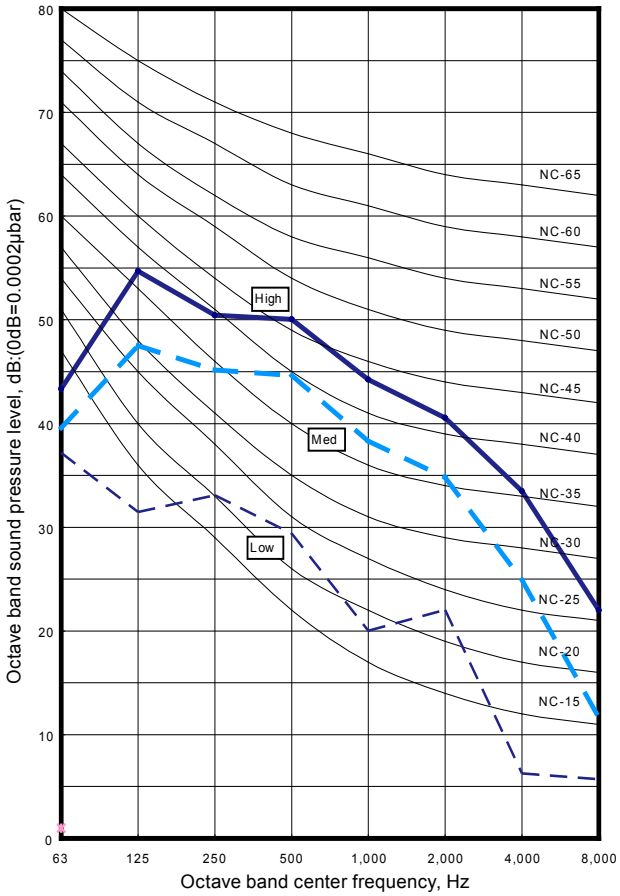


INDOOR UNITS

■ MODEL : AUXB18



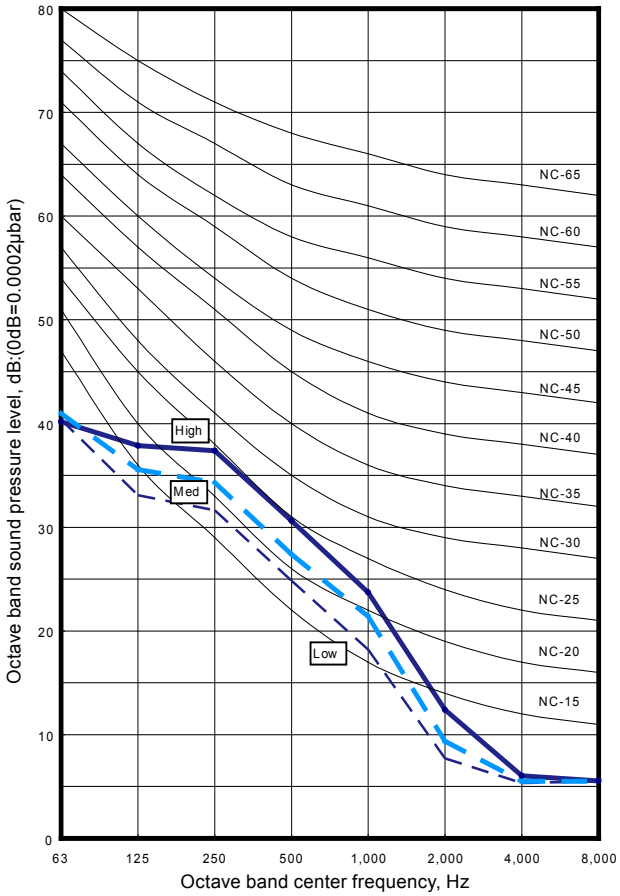
■ MODEL : AUXB24



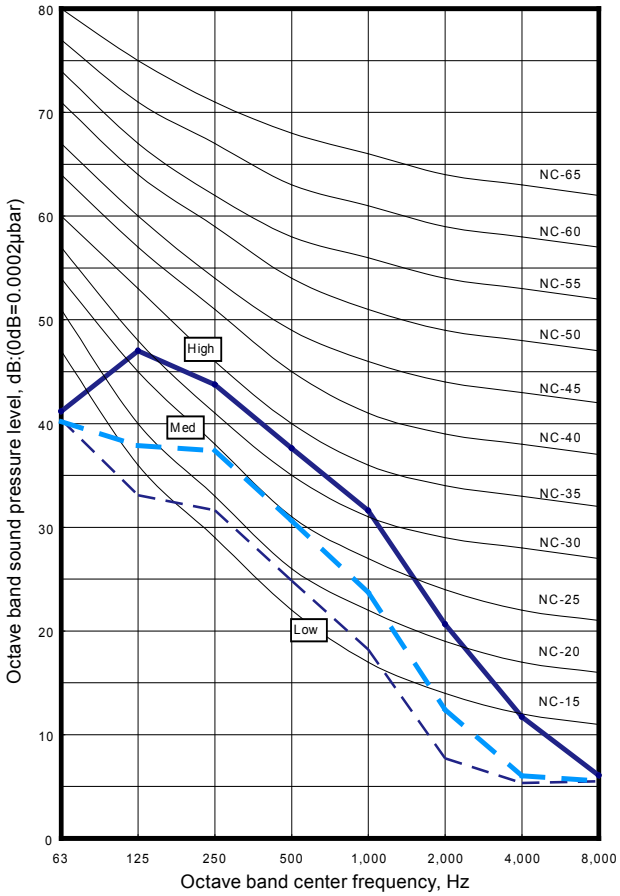
INDOOR UNITS

4-9-2. CASSETTE TYPE

■ MODEL : AUXD18

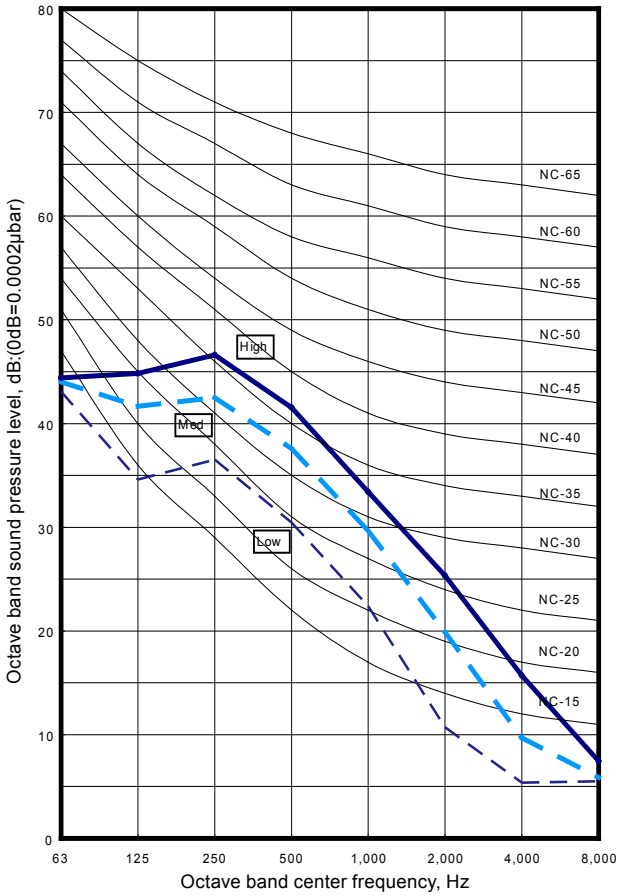


■ MODEL : AUXD24

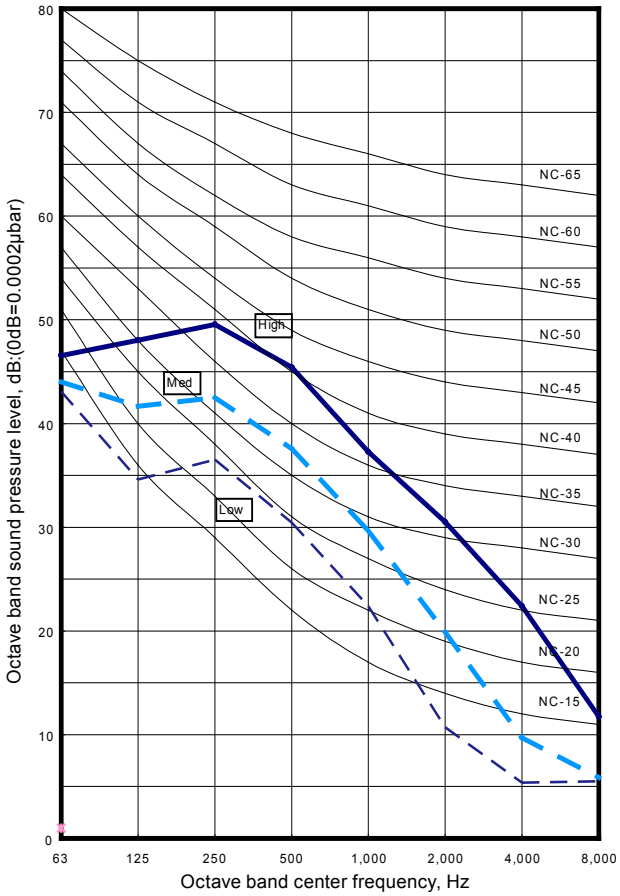


INDOOR UNITS

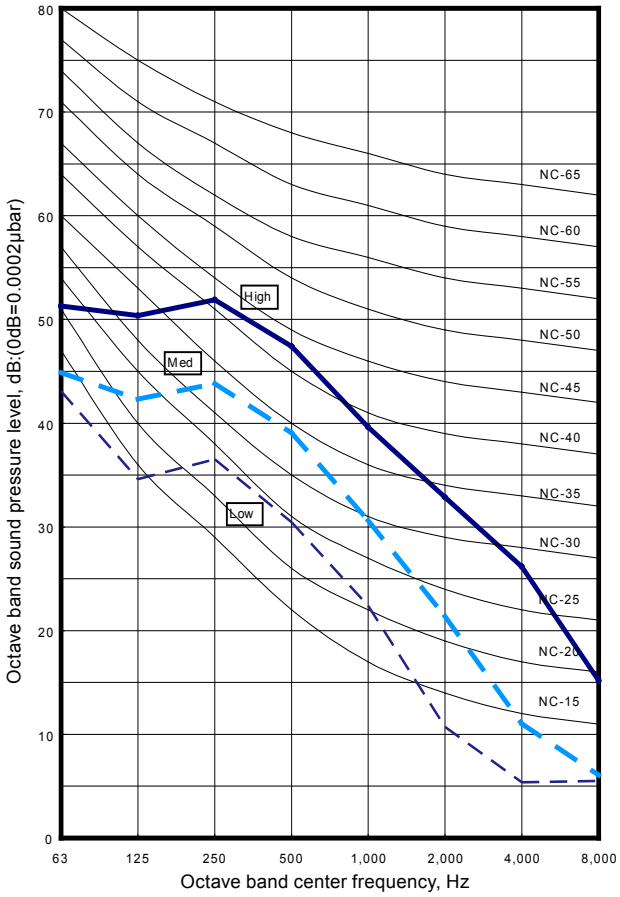
■ MODEL : AUXA30



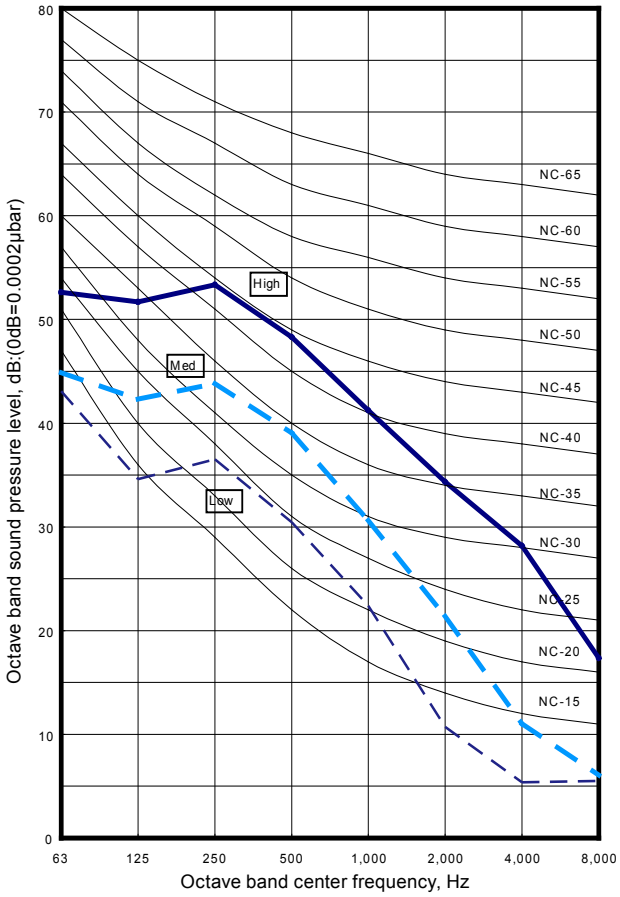
■ MODEL : AUXA36



■ MODEL : AUXA45



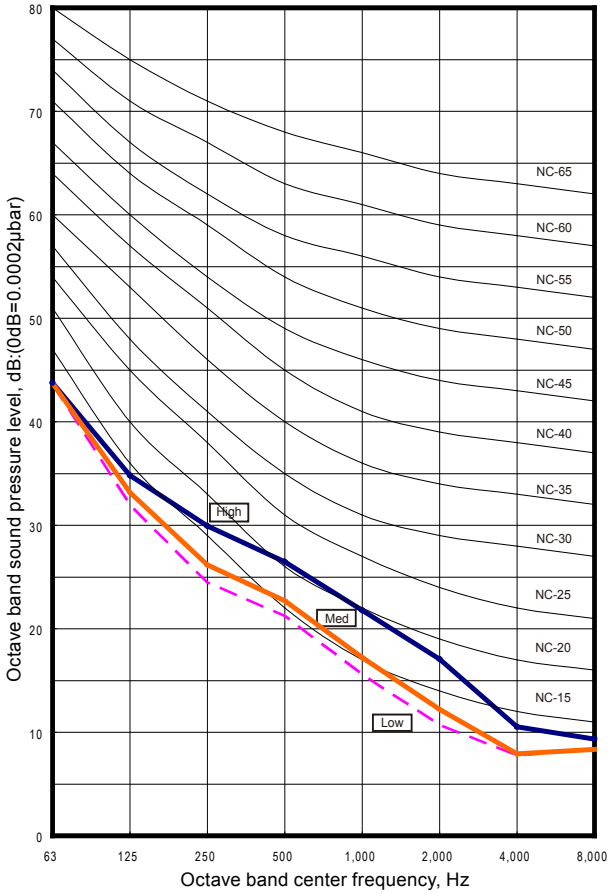
■ MODEL : AUXA54



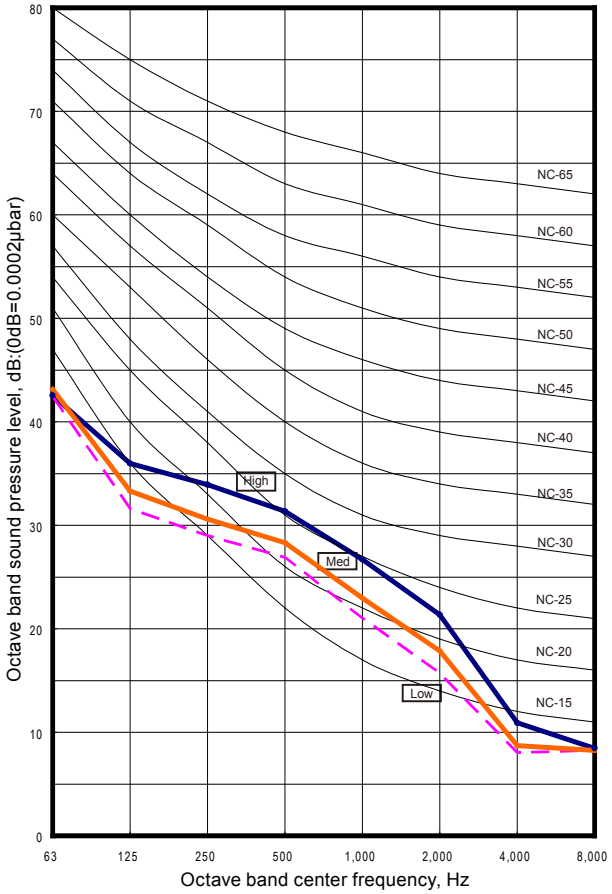
INDOOR UNITS

4-9-3. COMPACT DUCT TYPE

■ MODEL : ARXB07

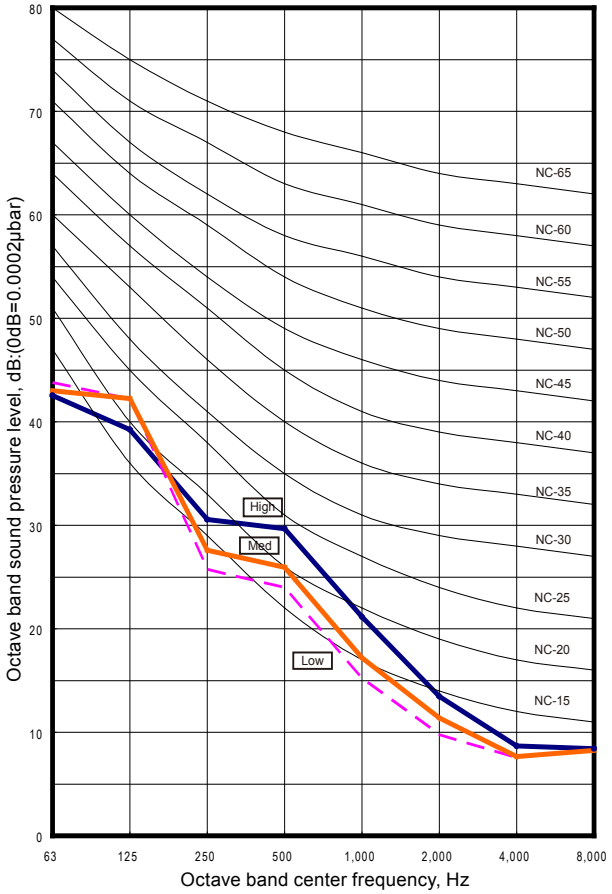


■ MODEL : ARXB09

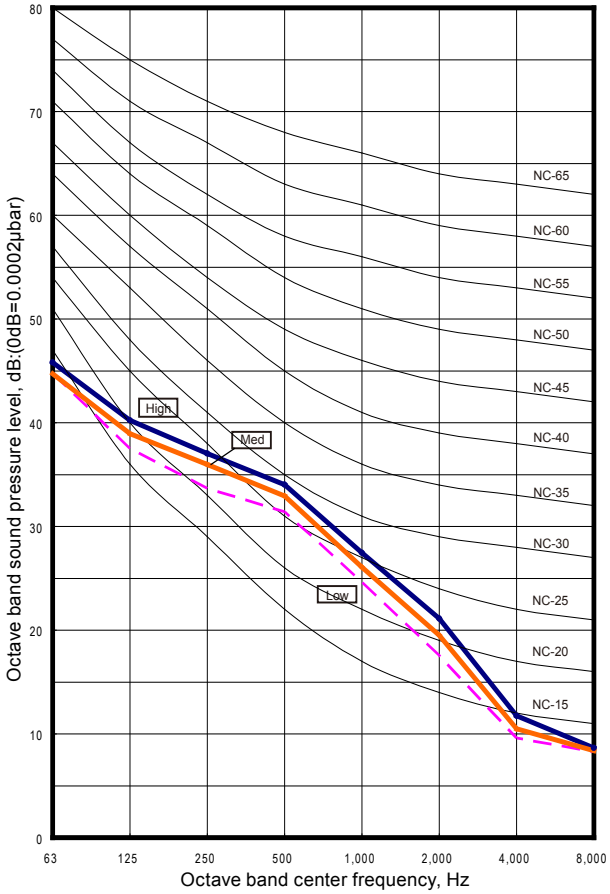


INDOOR UNITS

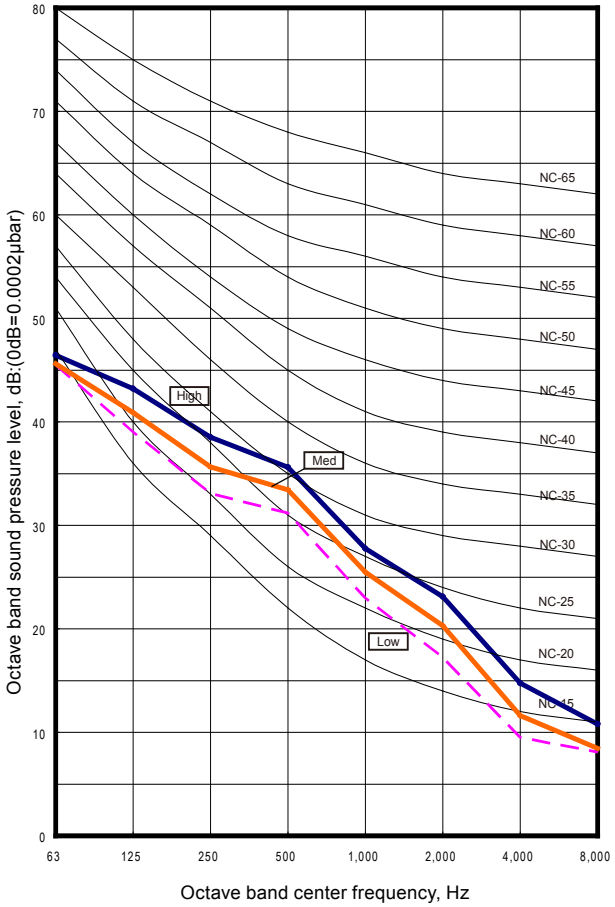
■ MODEL : ARXB12



■ MODEL : ARXB14



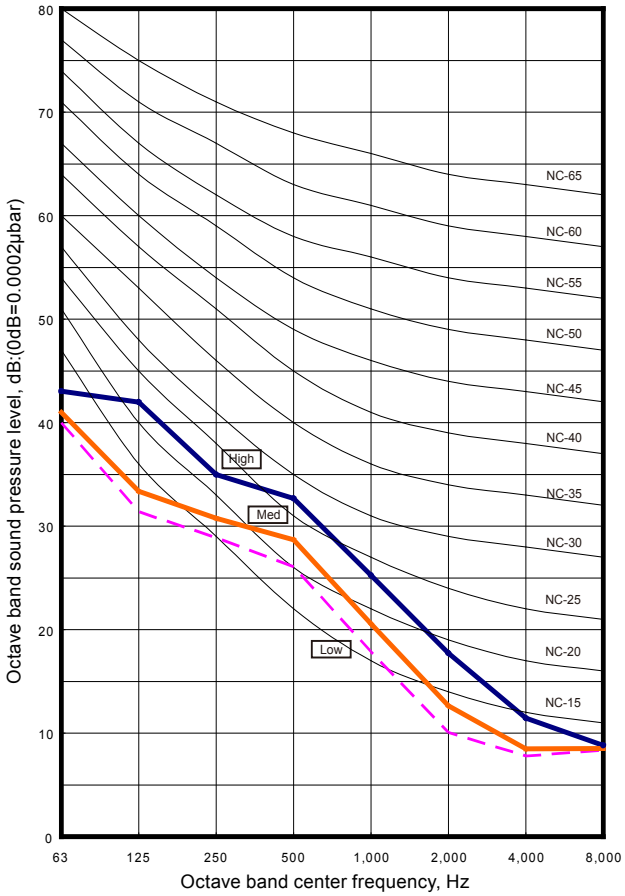
■ MODEL : ARXB18



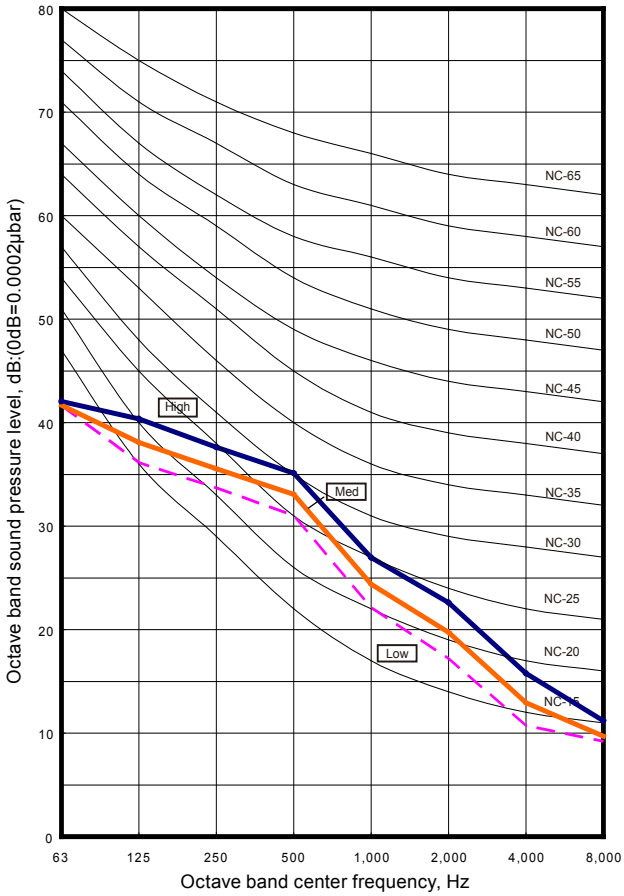
INDOOR UNITS

4-9-4. LOW STATIC PRESSURE DUCT TYPE

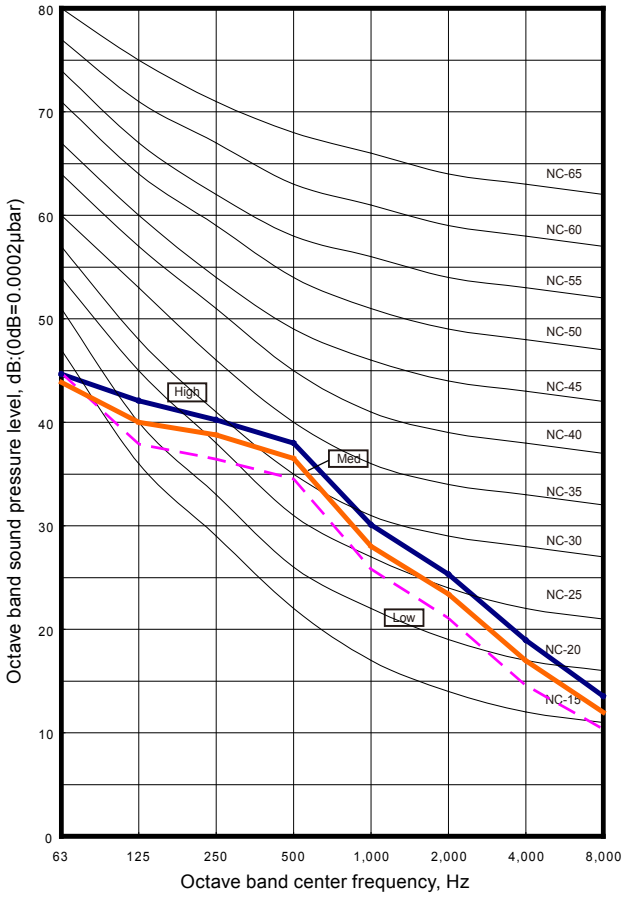
■ MODEL : ARXB24



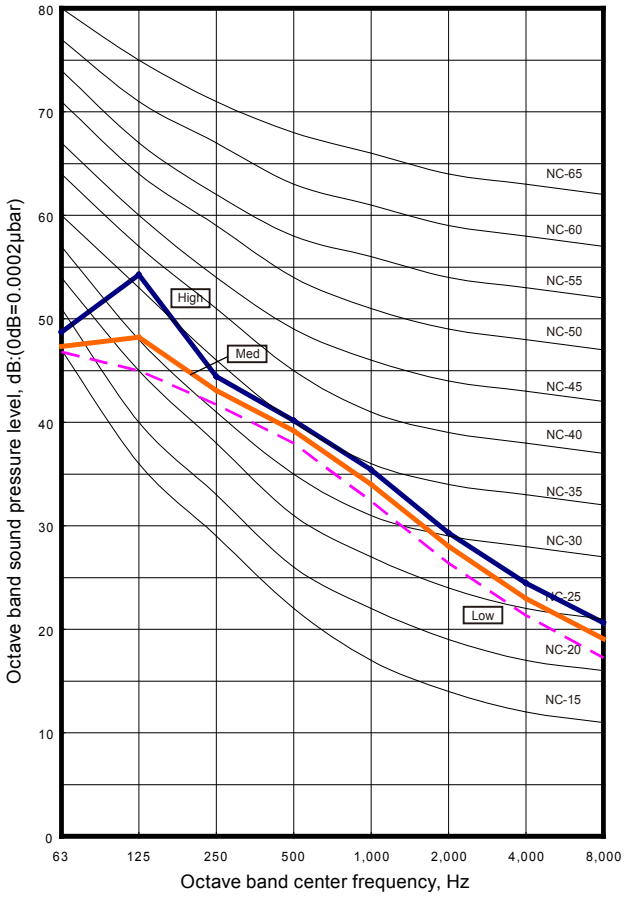
■ MODEL : ARXB30



■ MODEL : ARXB36



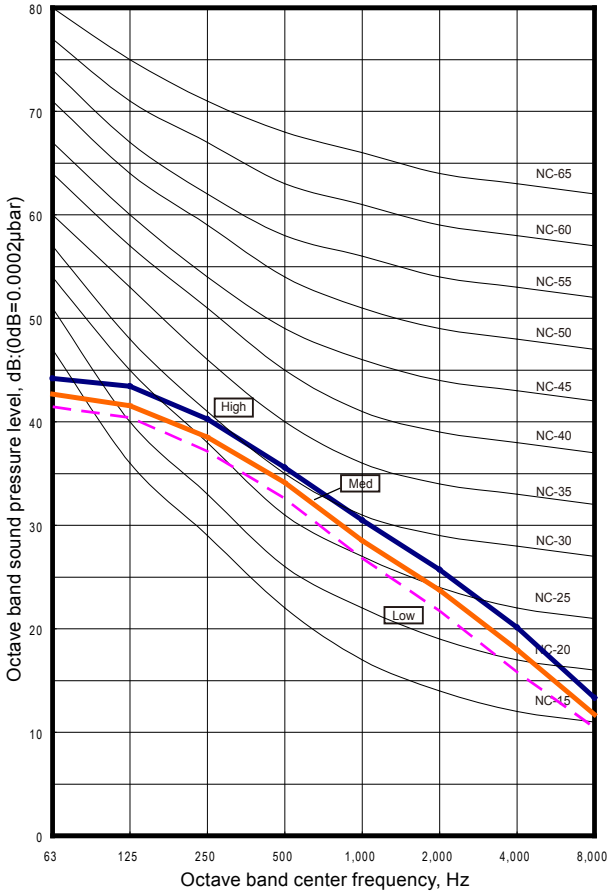
■ MODEL : ARXB45



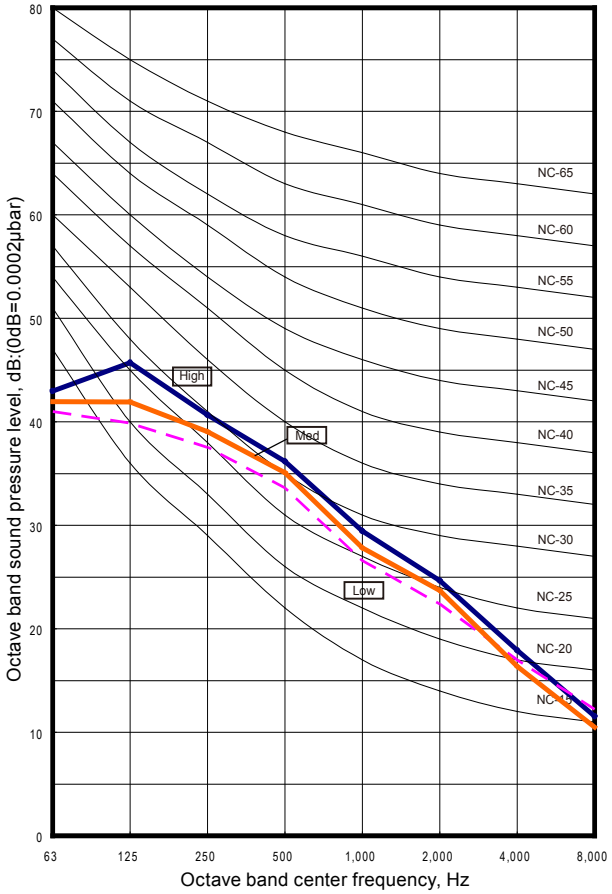
INDOOR UNITS

4-9-5. DUCT TYPE

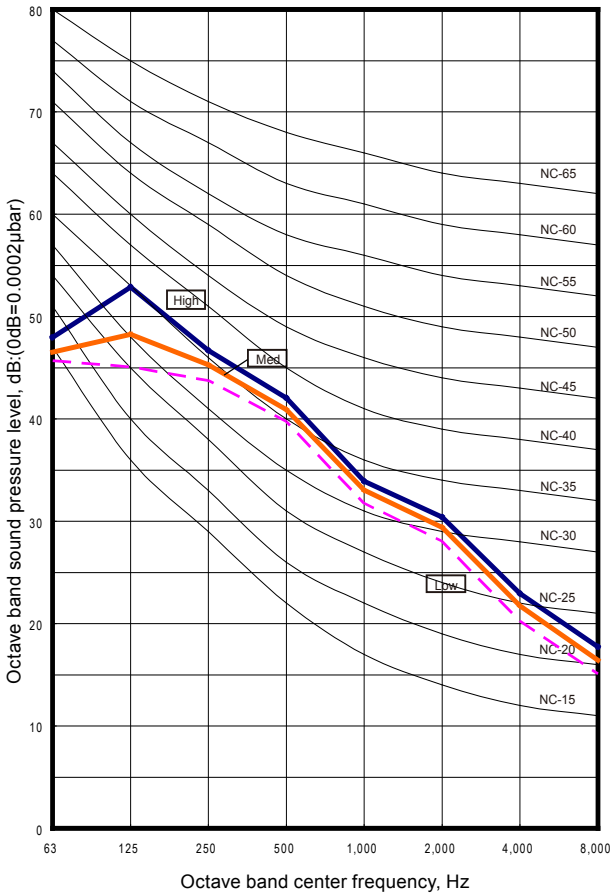
■ MODEL : ARXA24



■ MODEL : ARXA30



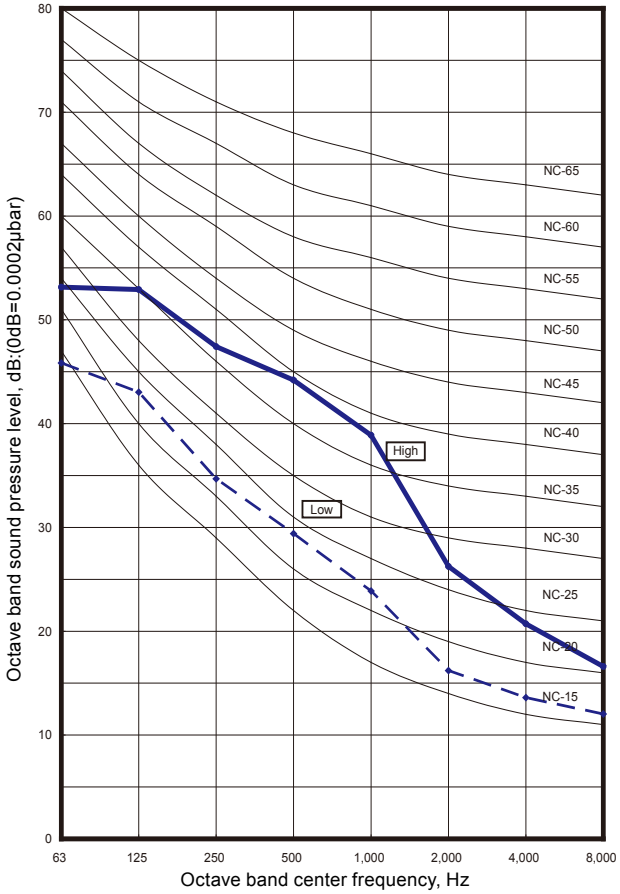
■ MODELS : ARXA36, ARXA45



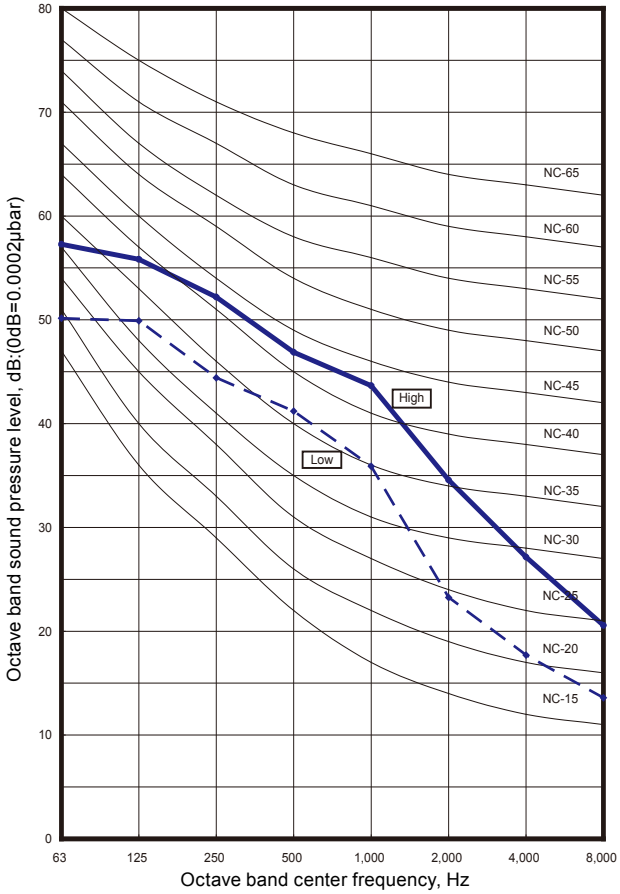
INDOOR UNITS

4-9-6. HIGH STATIC PRESSURE DUCT TYPE

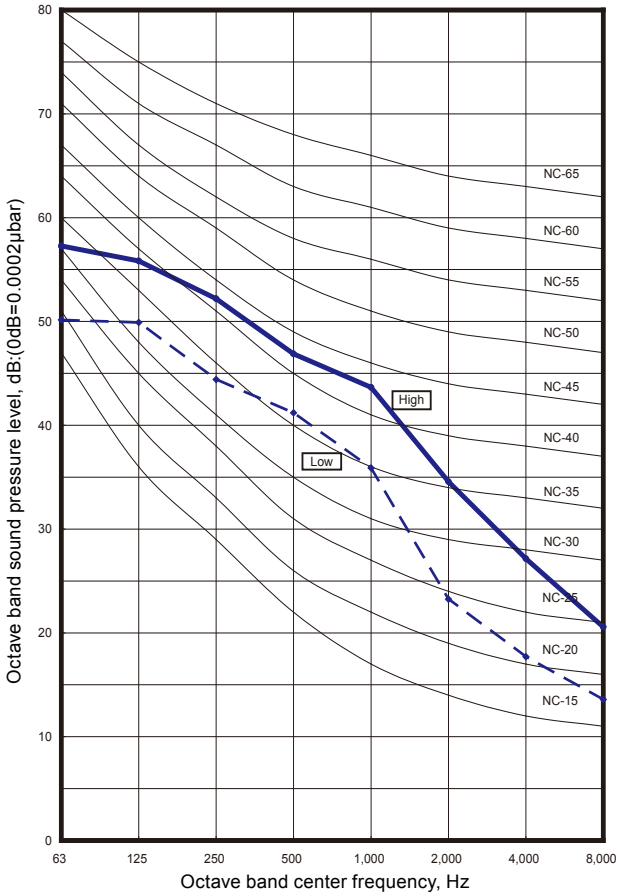
■ MODEL : ARXC36



■ MODEL : ARXC45

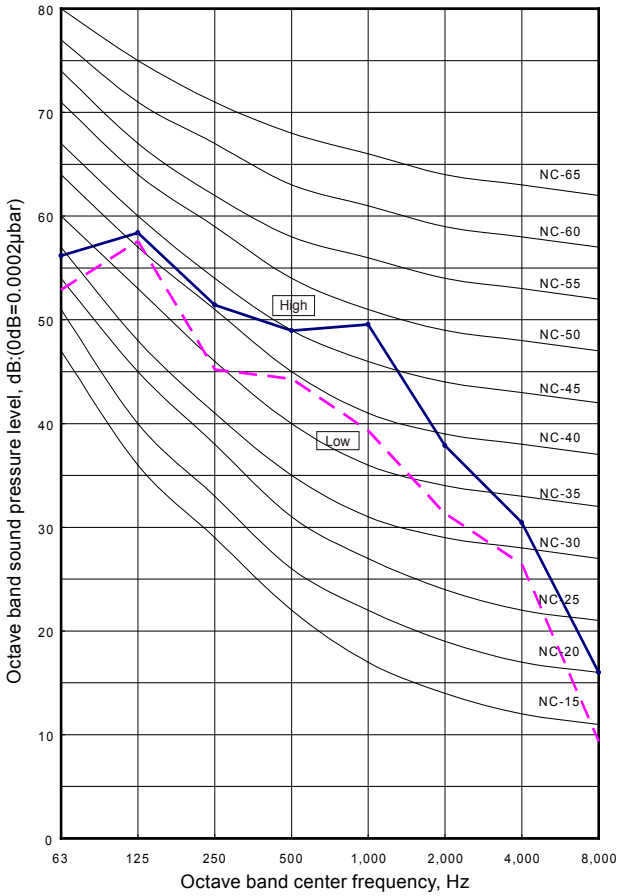


■ MODEL : ARXC60

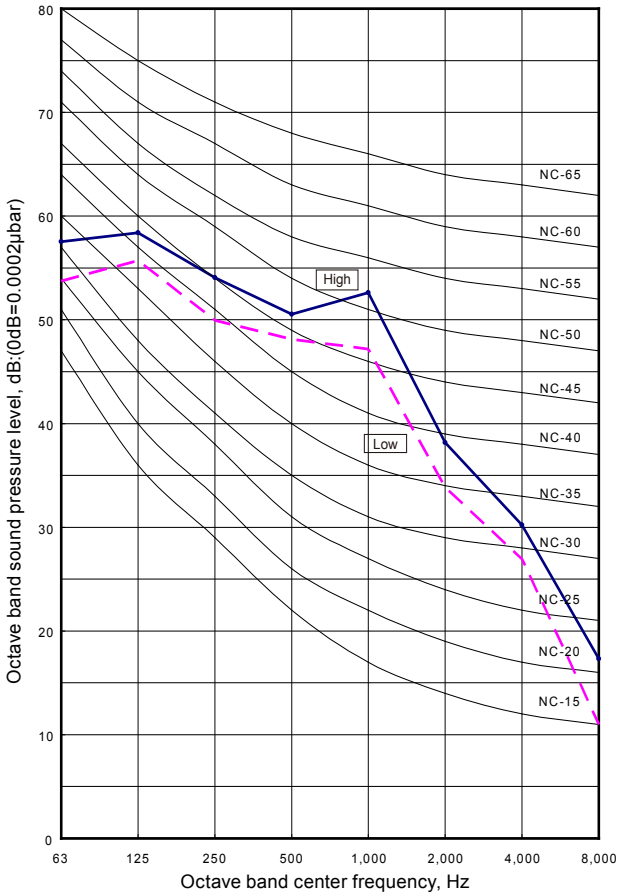


INDOOR UNITS

■ MODEL : ARXC72



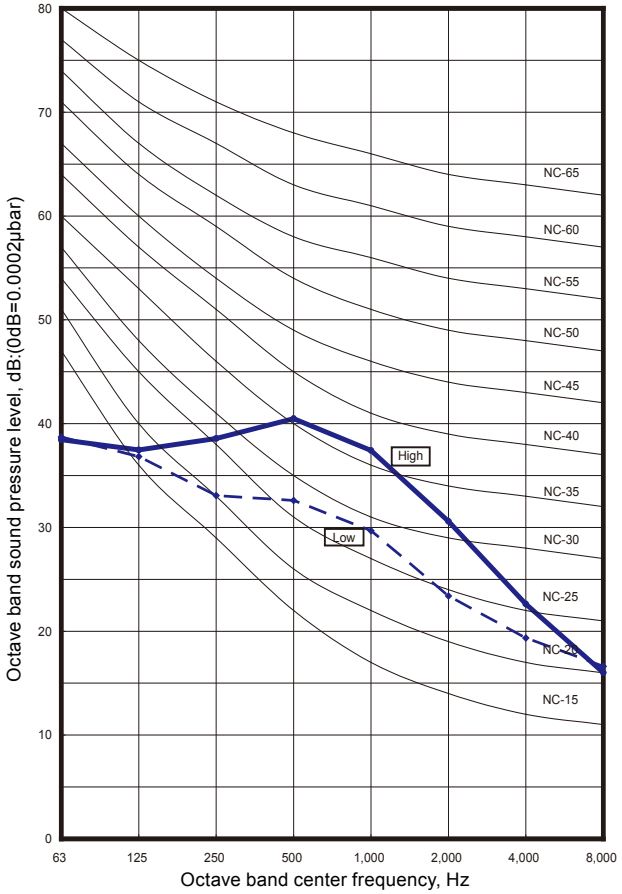
■ MODEL : ARXC90



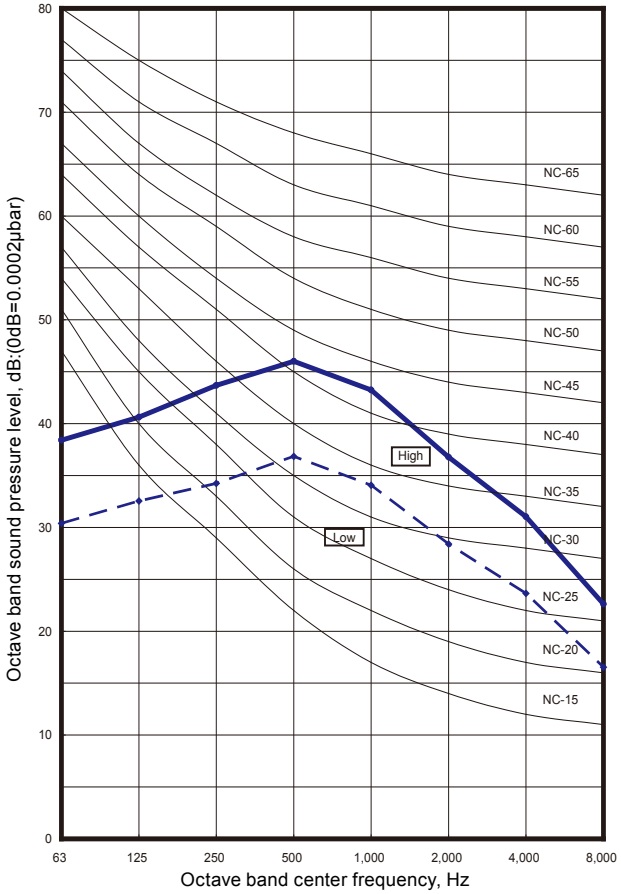
INDOOR UNITS

4-9-7. FLOOR / CEILING TYPE

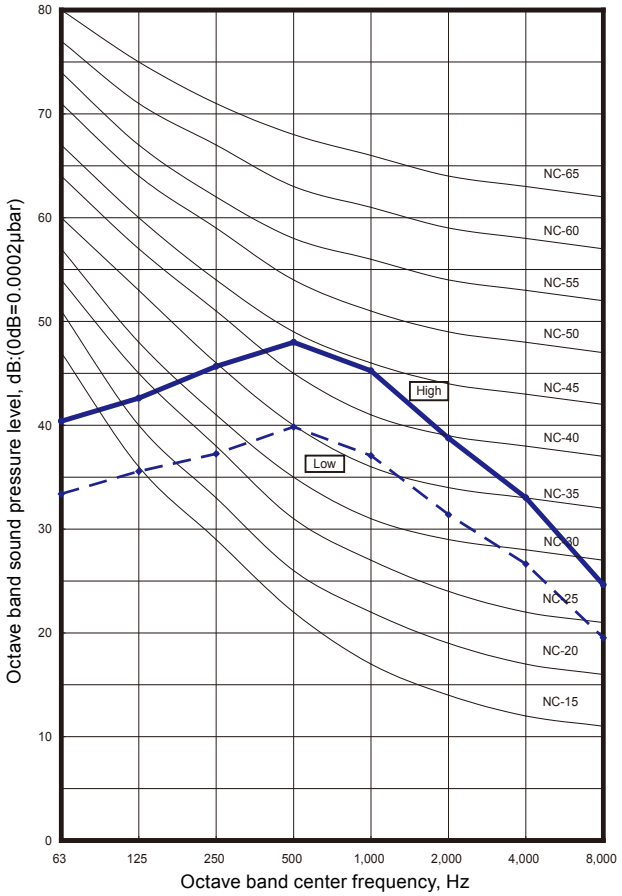
■ MODEL : AB∗A12, AB∗A14



■ MODEL : AB∗A18



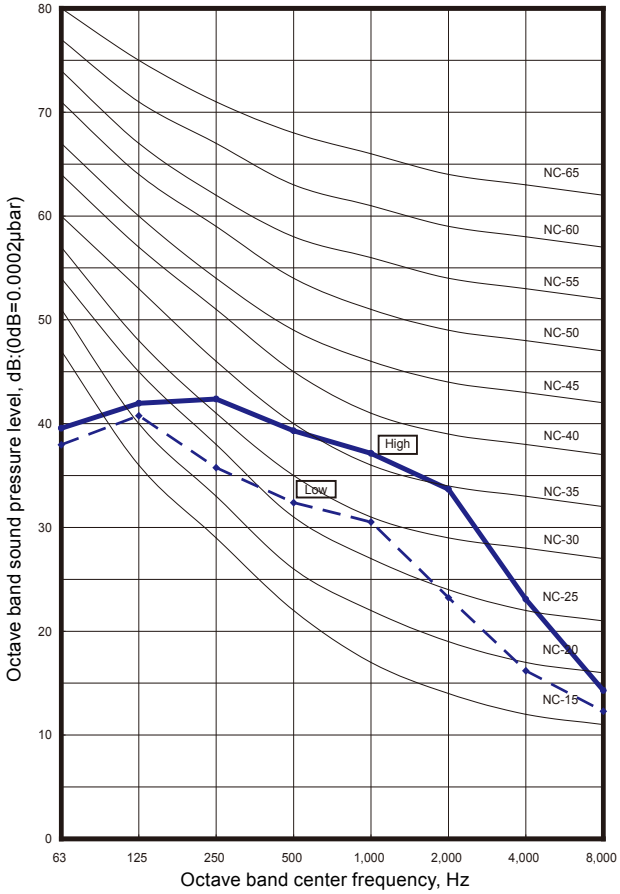
■ MODEL : AB∗A24



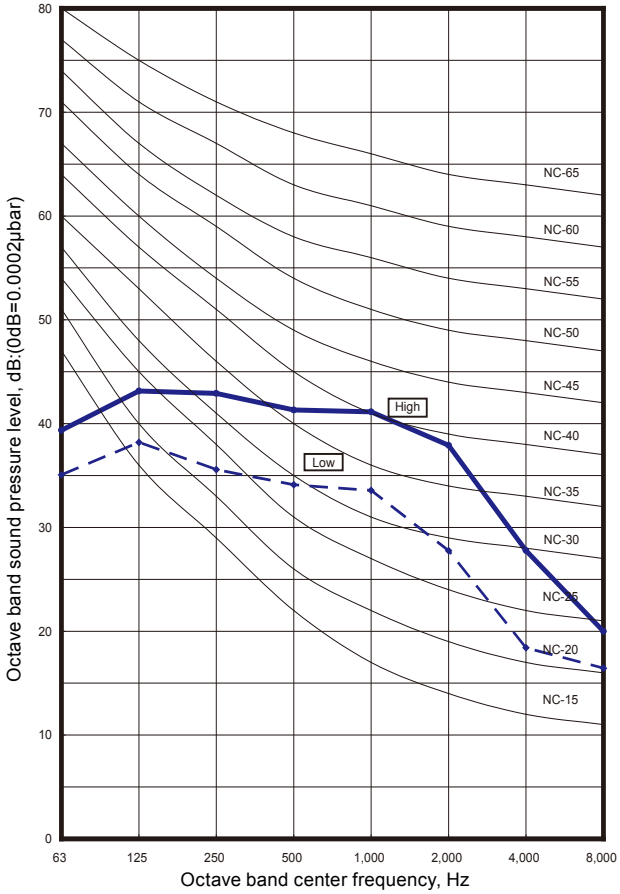
INDOOR UNITS

4-9-8. CEILING TYPE

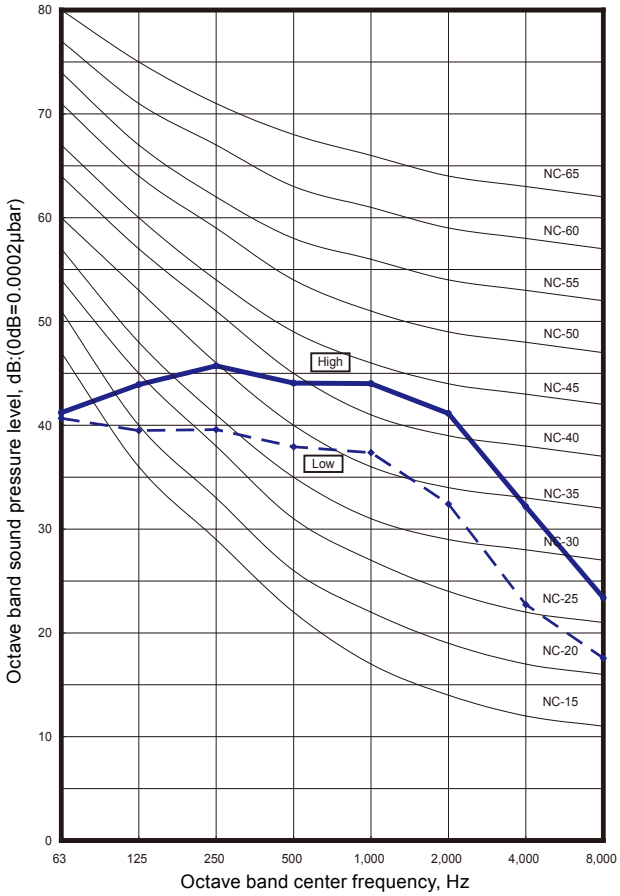
■ MODEL : AB∗A30



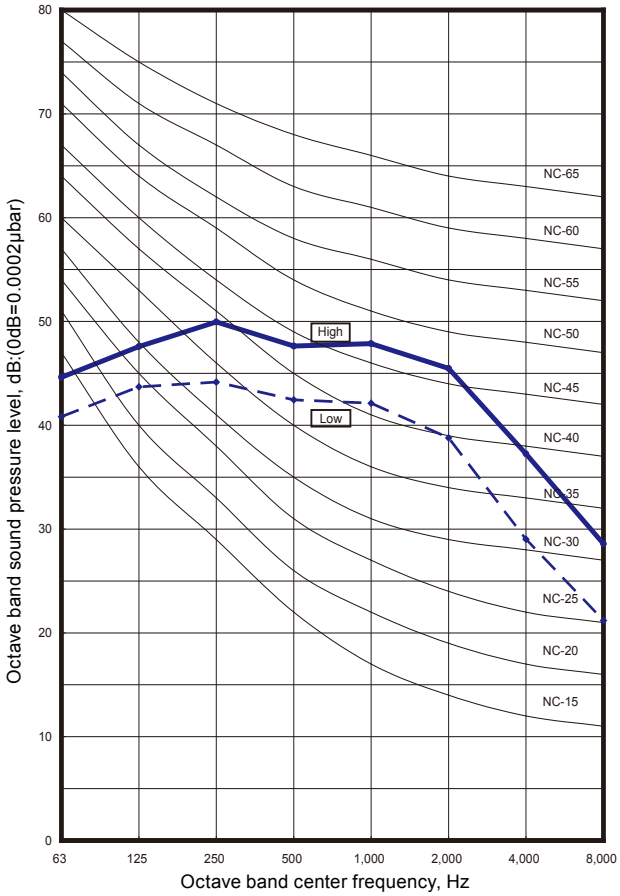
■ MODEL : AB∗A36



■ MODEL : AB∗A45



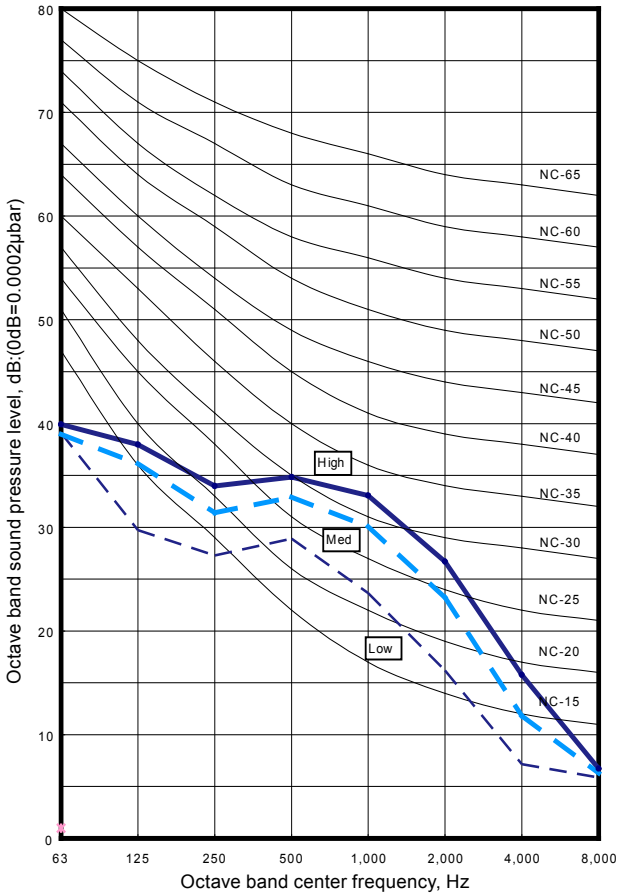
■ MODEL : AB∗A54



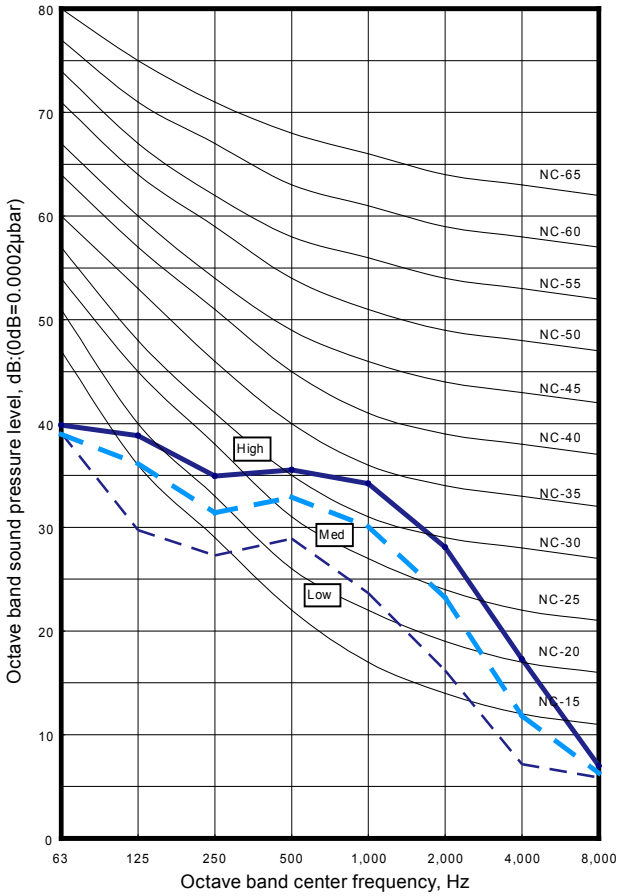
INDOOR UNITS

4-9-9. COMPACT WALL MOUNTED TYPE (EEV internal model)

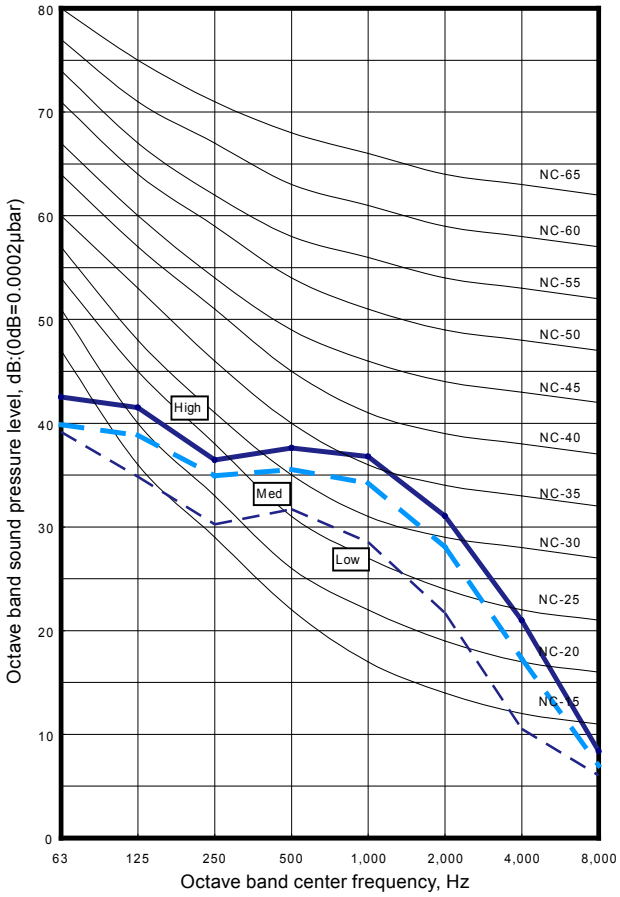
■ MODEL : AS∗A07



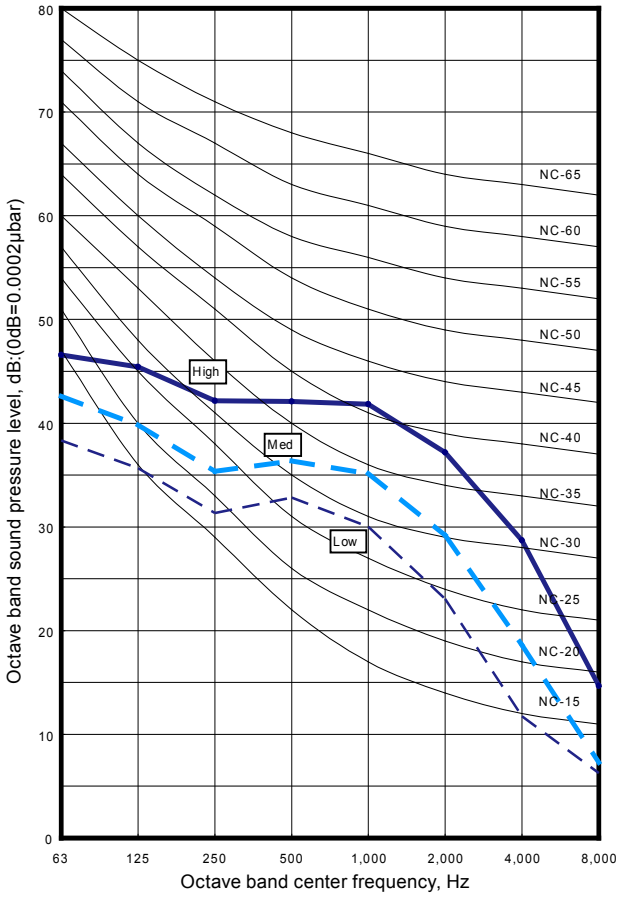
■ MODEL : AS∗A09



■ MODEL : AS∗A12



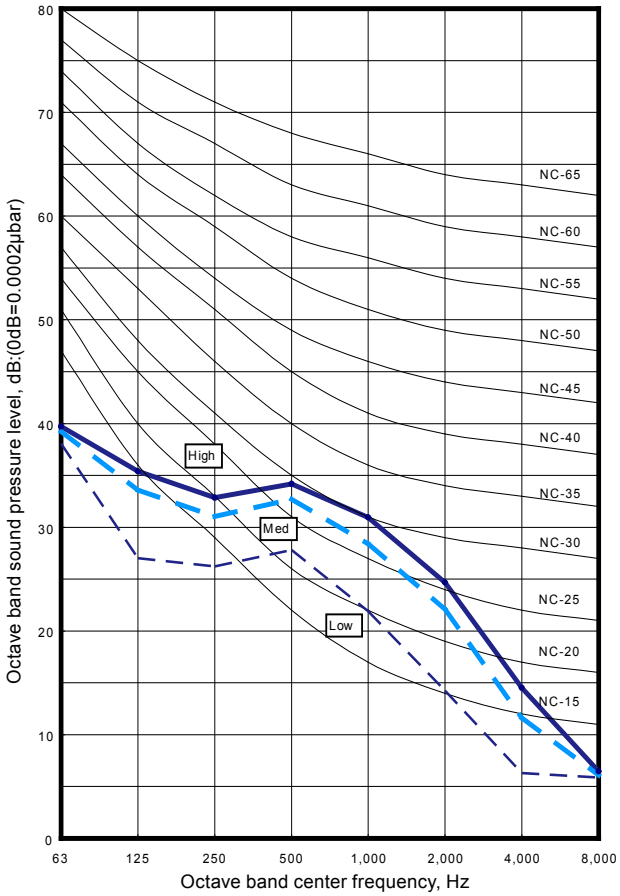
■ MODEL : AS∗A14



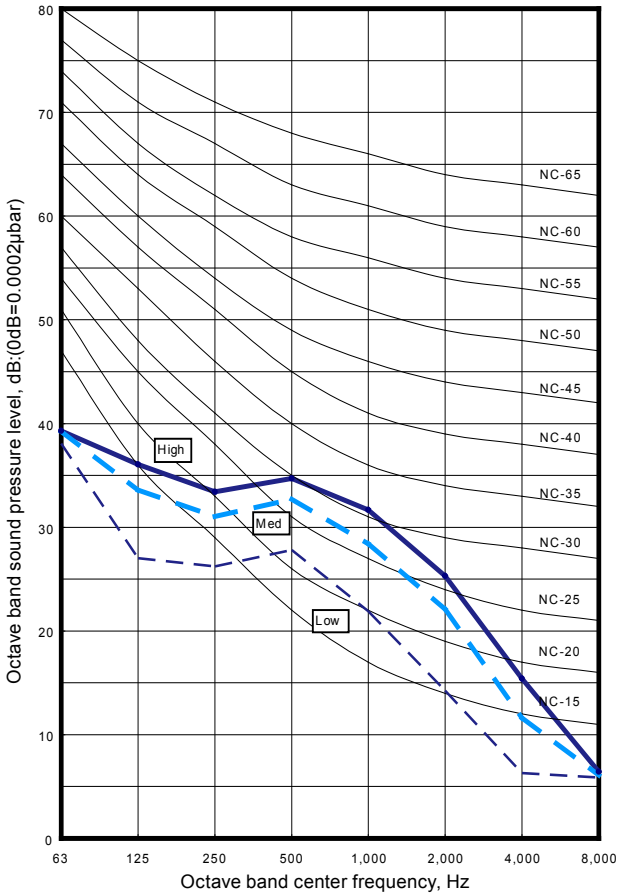
INDOOR UNITS

4-9-10. COMPACT WALL MOUNTED TYPE (EEV external model)

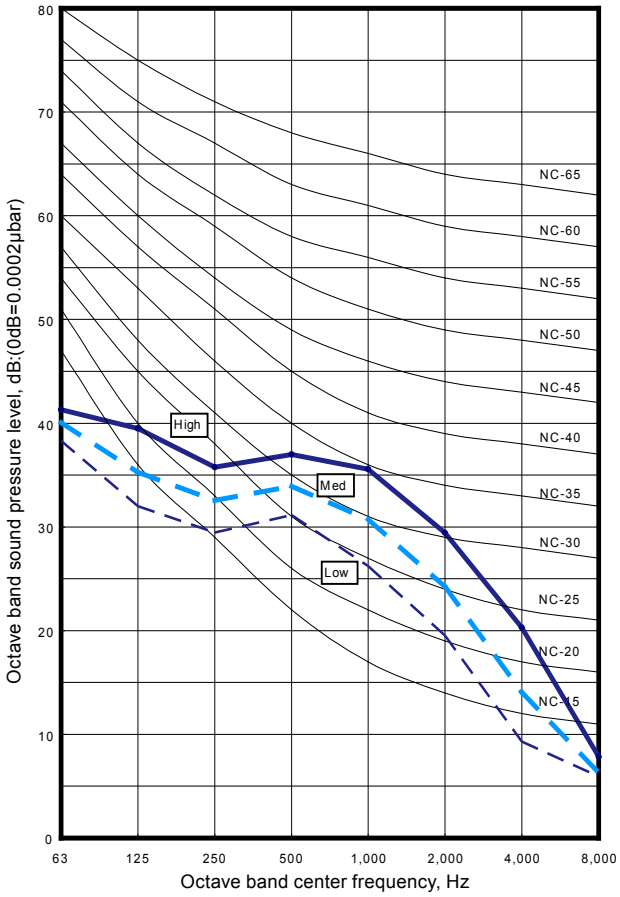
■ MODEL : AS∗E07



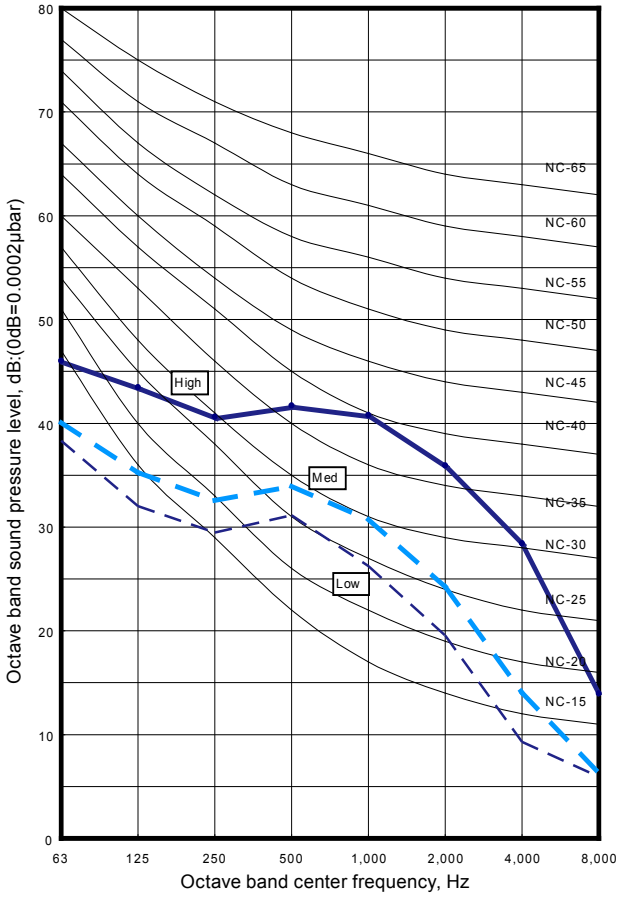
■ MODEL : AS∗E09



■ MODEL : AS∗E12



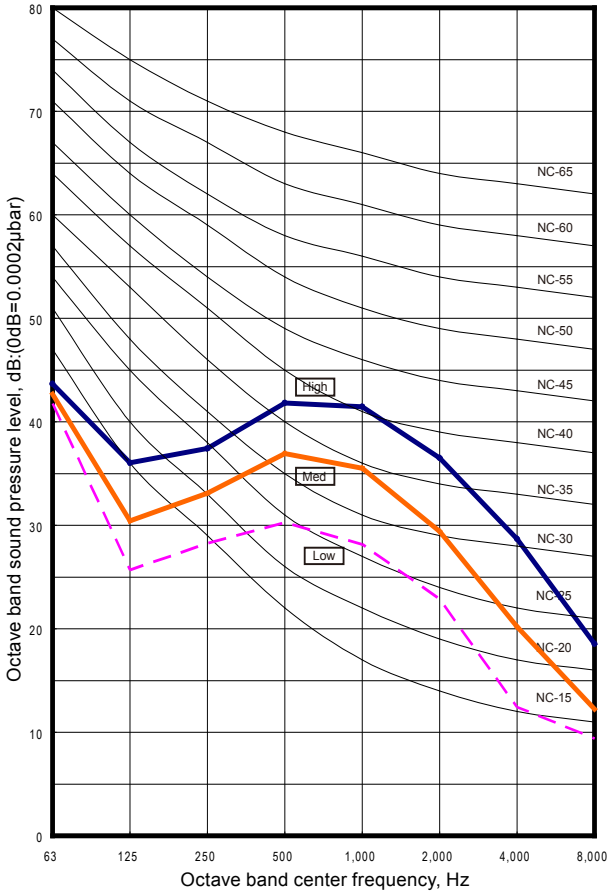
■ MODEL : AS∗E14



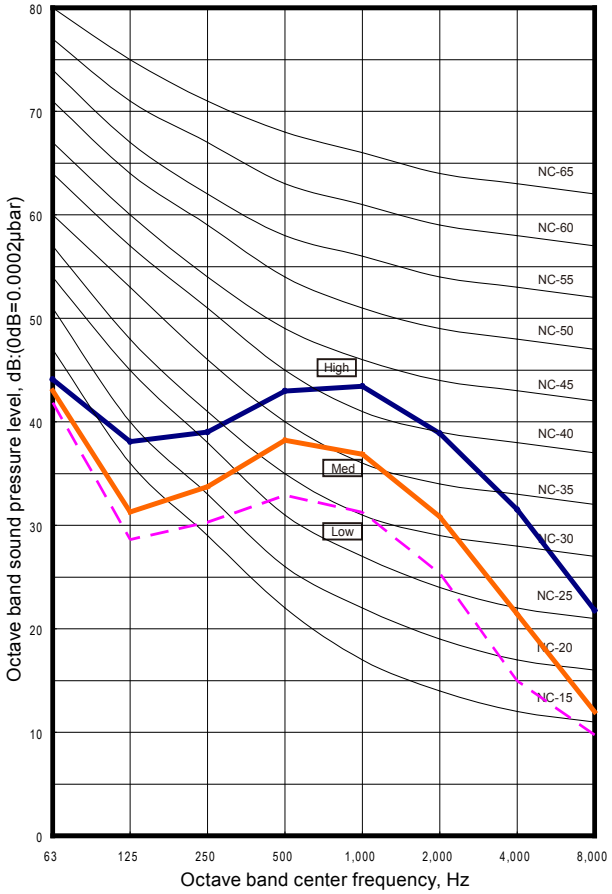
INDOOR UNITS

4-9-11. WALL MOUNTED TYPE

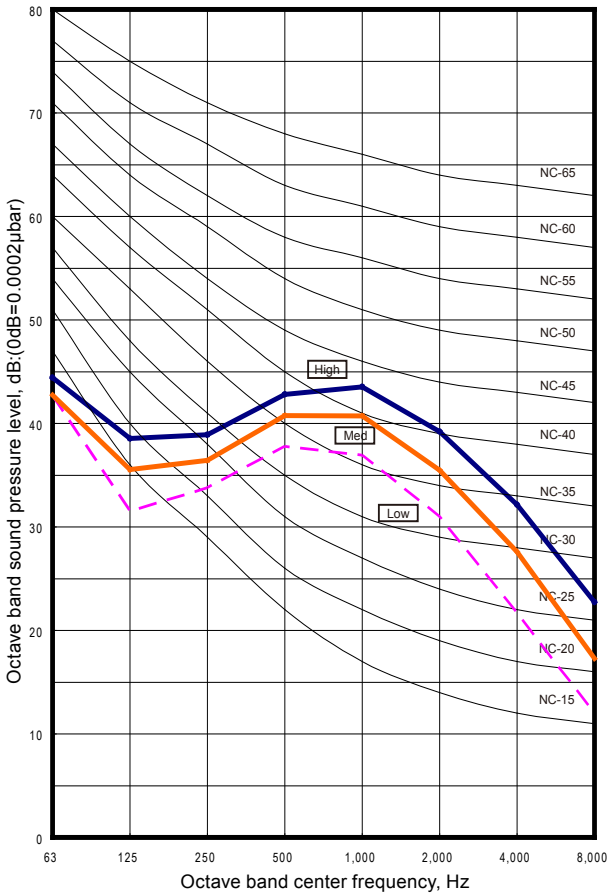
■ MODEL : AS∗A18



■ MODEL : AS∗A24



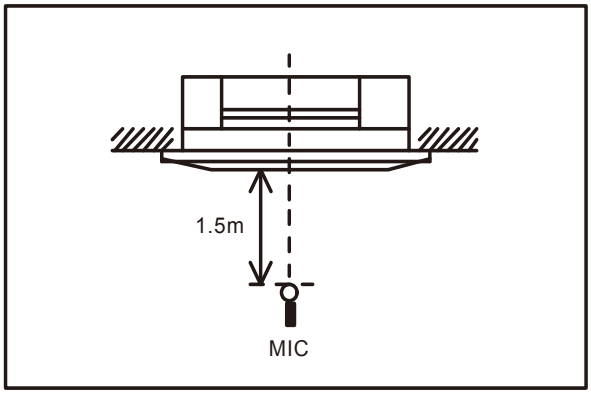
■ MODEL : AS∗A30



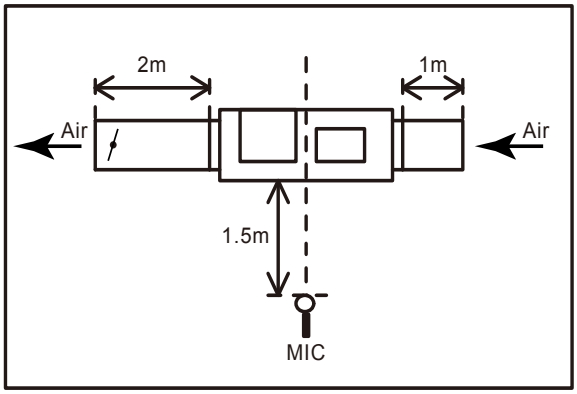
INDOOR UNITS

■ SOUND LEVEL CHECK POINT

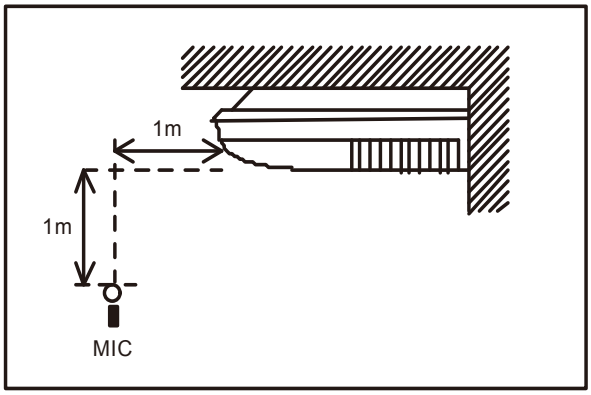
- Compact cassette type
- Cassette type



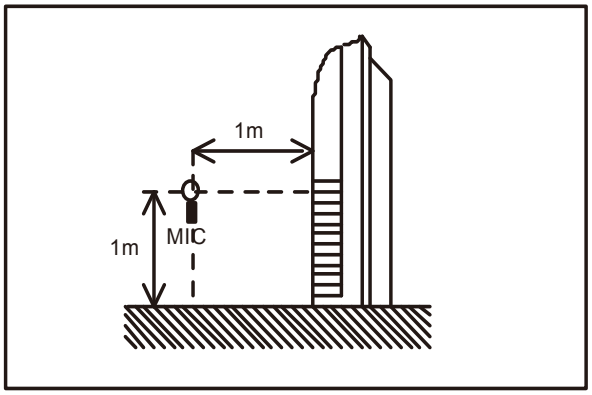
- Comapct duct type
- Low static pressure duct type
- Duct type
- High static pressure duct type



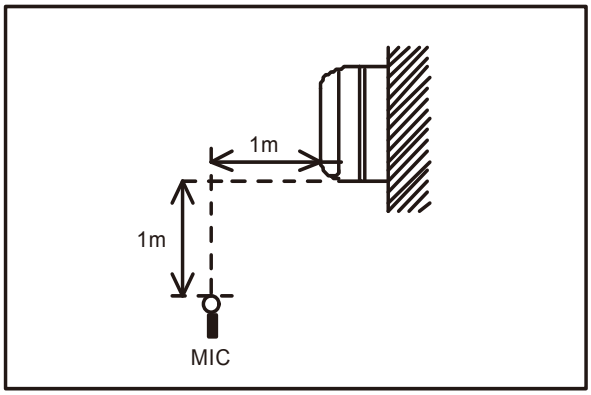
- Floor / Ceiling type
- Ceiling type



- Floor / Ceiling type



- Compact wall mounted type
- Wall mounted type



4-10. SAFETY DEVICES

Model and type		PCB fuse	Fan motor thermal protector	Terminal thermal fuse	Float switch
Compact Cassette	AUXB07LALH	250V 3.15A	140 ± 20°C	—	○
	AUXB09LALH				
	AUXB12LALH				
	AUXB14LALH				
	AUXB18LALH				
	AUXB24LALH				
Cassette (Slim type)	AUXD18LALH	250V 3.15A	110 +15°C -10°C	—	○
	AUXD24LALH				
Cassette	AUXA30LALH				
	AUXA36LALH				
	AUXA45LALH				
	AUXA54LALH				
Compact Duct	ARXB07LALH	250V 3.15A	140 ± 5°C	—	△*2)
	ARXB09LALH				
	ARXB12LALH				
	ARXB14LALH				
	ARXB18LALH		150 ± 5°C		
Low Static Pressure Duct	ARXB24LATH	250V 3.15A	150 ± 5°C	—	△ *2)
	ARXB30LATH				
	ARXB36LATH				
	ARXB45LATH				
Duct	ARXA24LATH	250V 3.15A	150 ± 5°C	—	△*2)
	ARXA30LATH				
	ARXA36LATH				
	ARXA45LATH				
High Static Pressure Duct	ARXC36LATH	250V 3.15A 250V 10A *1)	150 ± 5°C	—	—
	ARXC45LATH		145 ± 5°C		
	ARXC60LATH				
	ARXC72LATH	250V 3.15A 250V 15A *1)	145 ± 5°C	—	—
	ARXC90LATH				
Floor / Ceiling	AB∗A12LATH	250V 3.15A	150 ± 5°C	—	—
	AB∗A14LATH				
	AB∗A18LATH				
	AB∗A24LATH				
Ceiling	AB∗A30LATH	250V 3.15A	120 ± 5°C	—	△ *2)
	AB∗A36LATH				
	AB∗A45LATH				
	AB∗A54LATH				
Compact Wall Mounted (EEV internal model)	AS∗A07LACH	250V 3.15A	100+15°C -10°C	102°C OFF	—
	AS∗A09LACH				
	AS∗A12LACH				
	AS∗A14LACH				
Compact Wall Mounted (EEV external model)	AS∗E07LACH	250V 3.15A		102°C OFF	—
	AS∗E09LACH				
	AS∗E12LACH				
	AS∗E14LACH				
Wall Mounted	AS∗A18LATH	250V 3.15A	140 ± 5°C	102°C OFF	—
	AS∗A24LATH				
	AS∗A30LATH				

*1) Fuse for fan motor.

*2) Including in the Drain Pump Unit (Optional parts)

INDOOR UNITS

Refrigerant R410A
INVERTER

AIRSTAGE™ V-II
Variable Refrigerant Flow System

5. CONTROL SYSTEM

5-1. CONTROL SYSTEM

5-1-1.LINE UP OF CONTROLLERS

■ FEATURES OF CONTROL SYSTEM

Installation Work Saving

Simplified wiring and reduced installation cost by the use of non-polar 2-core transmission line.

Control System Configuration Expansion

Optimum system configuration by various controller combinations, allowing for various applications and future expansion.

Easy Operation

Advanced control functions can be set up with the easy-to-use setting operation.

Free System Configuration

Up to 400 indoor units are connectable in one system. System is adaptable to various applications, from small to large buildings.

CONTROL SYSTEM

Air Conditioning Central Control

System Controller, Touch Panel Controller and Group Remote Controller specially designs for centralized control.

System Controller

UTY-APGX

High performance and optimum control system for all building applications

A high degree of building air conditioning management is possible including electricity charge apportionment- and numerous data management functions as well as standard equipment monitoring and control.

Touch Panel Controller

UTY-DTG∗

Functionality in a compact housing with built-in schedule timer

It allows operation and monitoring to be achieved from the central control room, at each floor, by each tenant, or in the plant room.

Group Remote Controller

UTY-CGG∗

Group control of indoor units with simple operation

Network convertor (UTY-VGGX) is required to connect group remote controllers to a VRF system.

Air Conditioning Individual Control

A range of Remote Controllers suitable for a wide range of individual control situations, using various built-in timers

Wired Remote Controller

UTY-RNK∗

The room temperature can be controlled by being detected the temperature accurately with built-in thermo sensor.

Simple Remote Controller (With Operation mode)

UTY-RSK∗

Compact remote controller concentrates on the basic functions such as Start/Stop, Fan Control, Temperature Setting and Operation mode.

Simple Remote Controller (Without Operation mode)

UTY-RHK∗

Compact remote controller concentrates on the basic functions such as Start/Stop, Fan Control and Temperature Setting.

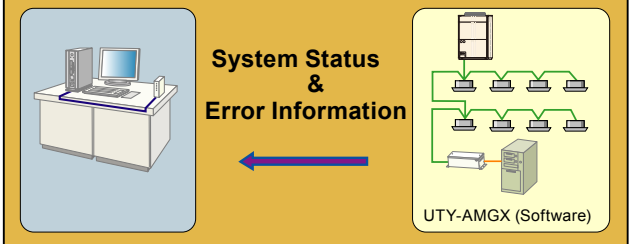
Wireless Remote Controller

UTY-LNH∗

Simple and sophisticated operations with a choice of 4 daily timers

Web Monitoring Tool

Trouble-shooting is performed by monitoring each air conditioning unit remotely during periodical system checks.

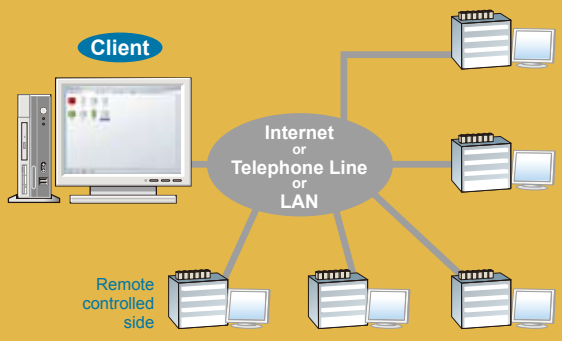


Error notification can be automatically transmitted to several locations using the internet*.
Requires either a dedicated internet connection* or public telephone line.

*Fixed global IP address is required.

System Controller

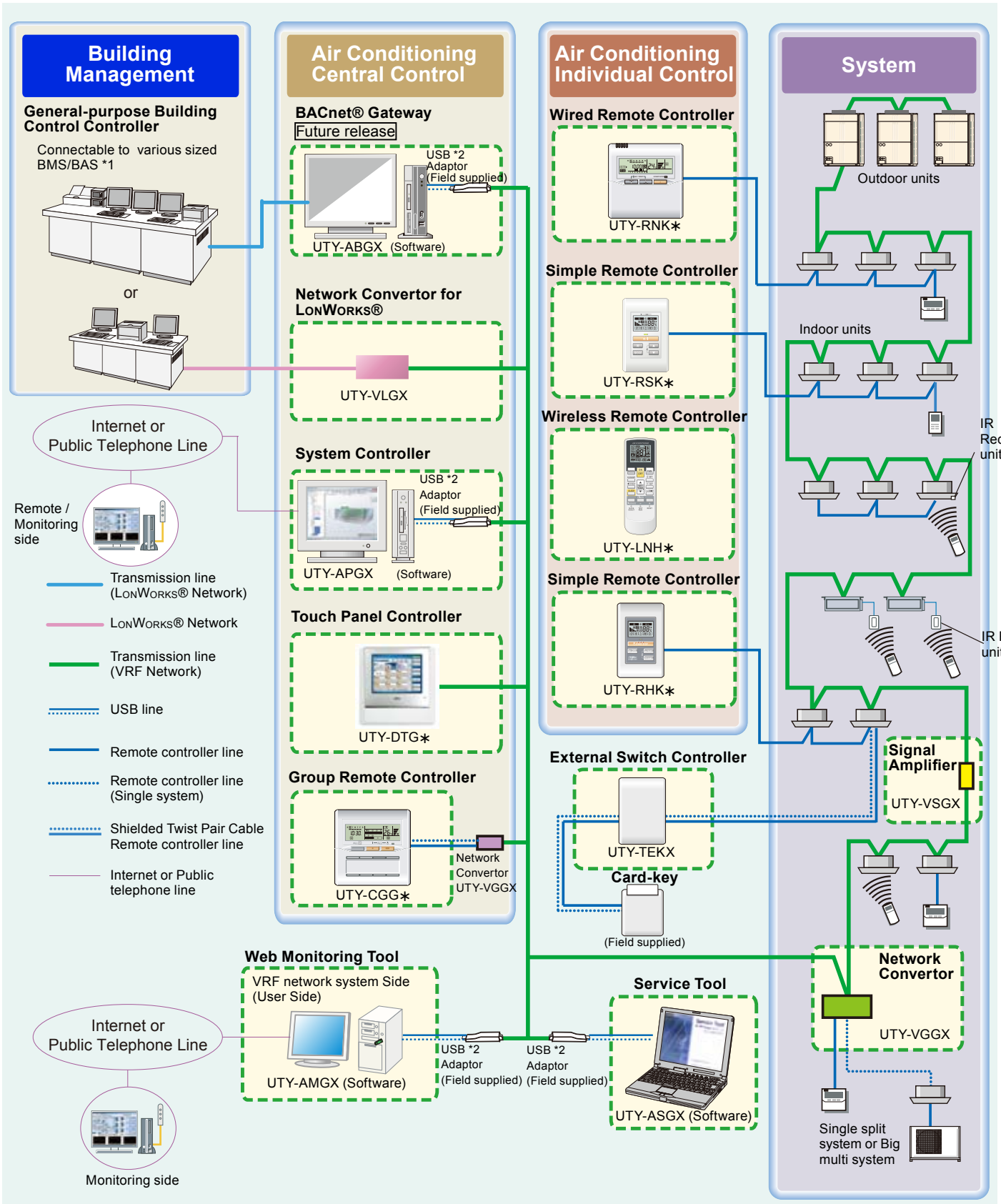
Suitable for remote operation and control of large sites with many buildings.



Central air conditioning control among several building can be managed via internet.
Remote controlled sites up to 10.

5-1-2. CONTROL SYSTEM DESIGN

■ ADVANCED INTEGRATED CONTROL SYSTEM



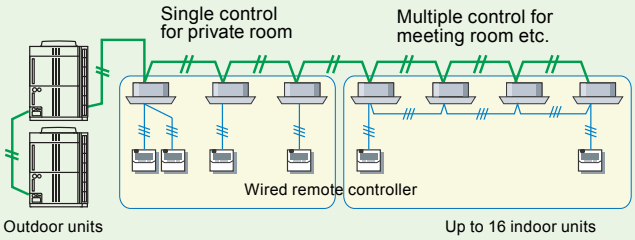
*1. BMS/BAS : Building Management System / Building Automation System.
*2. U10 USB Network Interface - TP/FT-10 (Echelon® Corporation)

5-1-3. SYSTEM CONFIGURATION EXAMPLES

■ INDIVIDUAL CONTROL

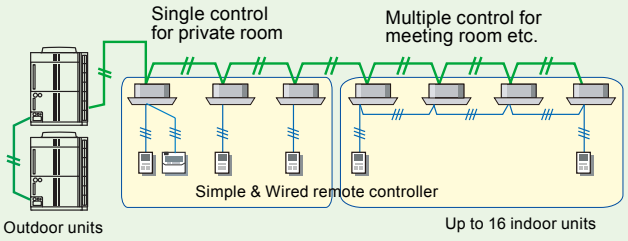
Wired Remote Controller

- Up to 16 indoor units can be controlled with one wired remote controller.
- Wired, simple, and wireless remote controllers can be used jointly.
- Two remote controllers can be connected with single indoor unit.



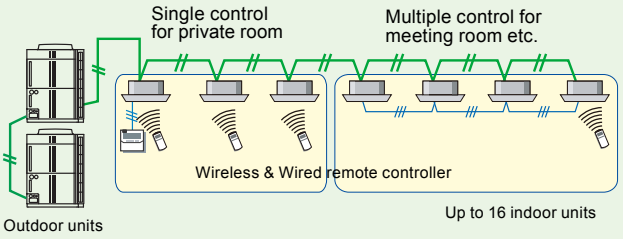
Simple Remote Controller

- Up to 16 indoor units can be controlled with one simple remote controller.
- Enables easy control of basic functions by the hotel or office guest.
- Two remote controller can be connected with single indoor unit.



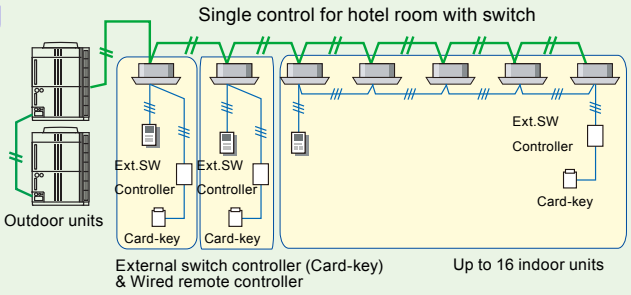
Wireless Remote Controller

- Up to 16 indoor units can be controlled with one wireless remote controller.
- Wired, simple, and wireless remote controllers can be used jointly.



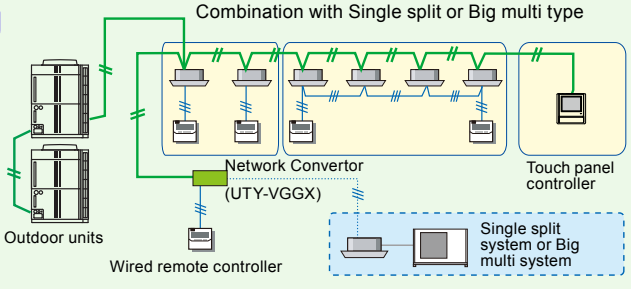
External Switch Controller

- Up to 16 indoor units can be controlled with one external switch controller.
- In combination with a field supplied card-key switch or other sensor, External switch controller allows control of basic functions by the hotel or office guest.



Single Split or Big Multi System Connectability

- Single spilit system or Big multi system can be connected to the VRF network system and can be controlled from Touch panel controller or System controller.

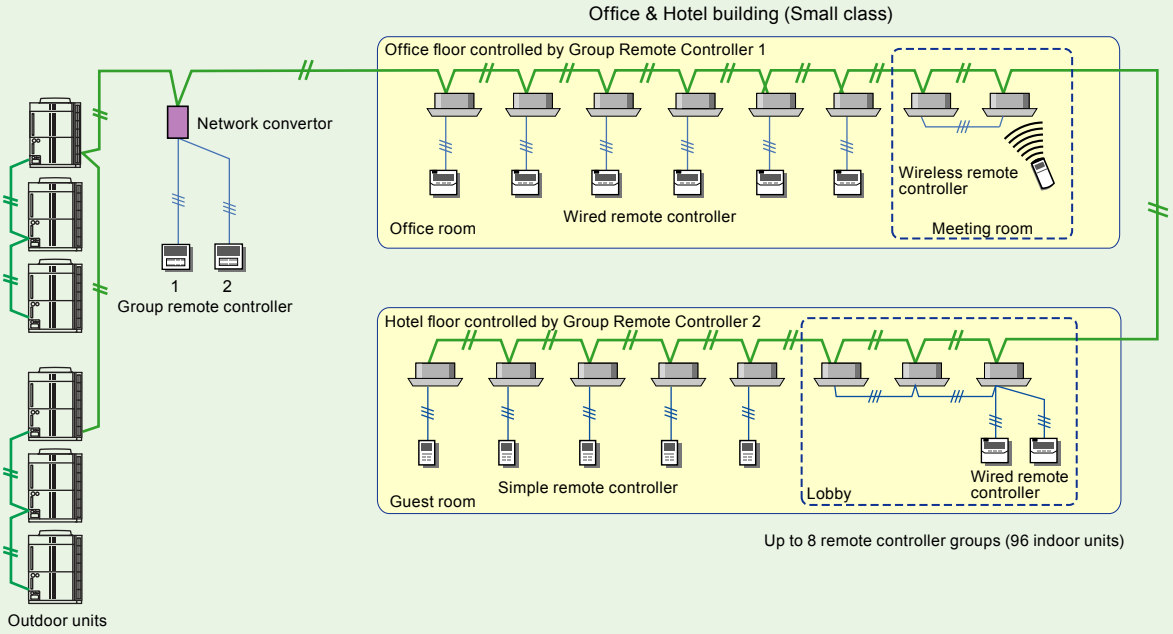


CONTROL SYSTEM

■ CENTRAL CONTROL

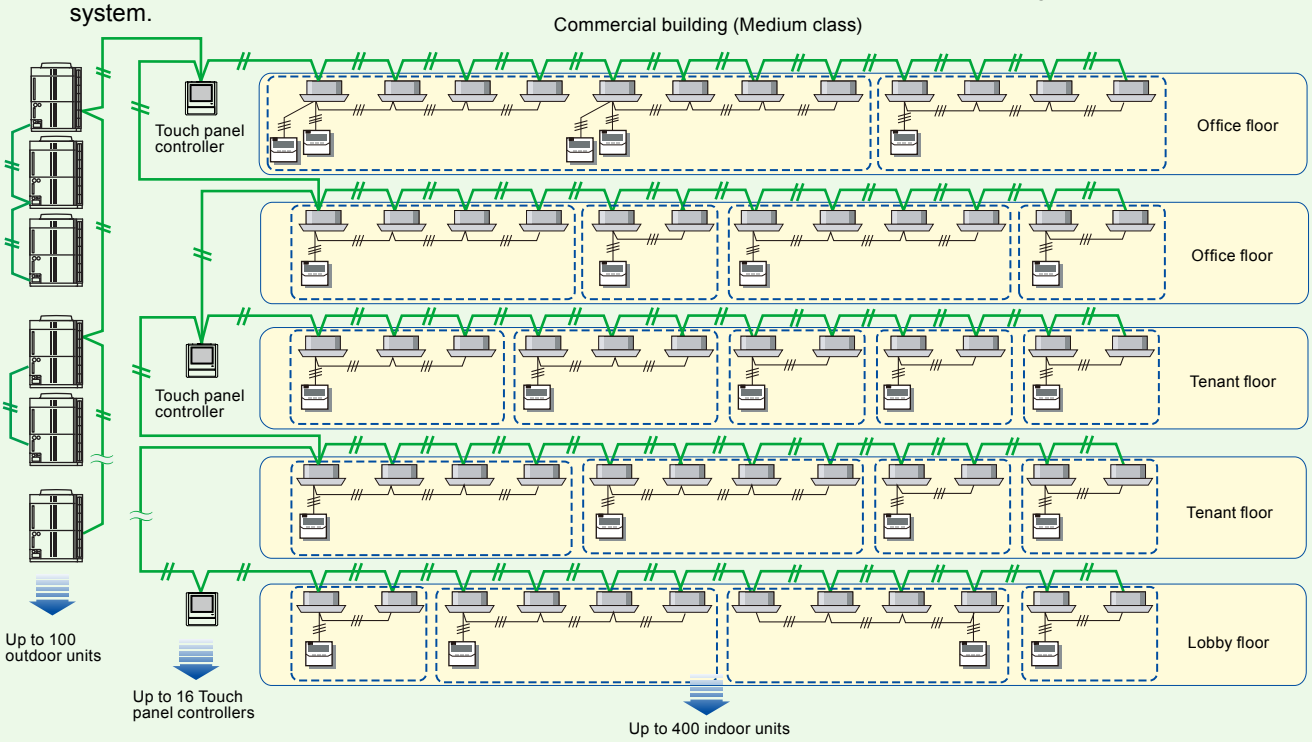
Group Remote Controller

- Up to 8 remote controller groups (96 indoor units) can be controlled with one group remote controller.
- Up to 4 Group remote controllers can be connected to a single network convertor (UTY-VGGX).
- One network convertor (UTY-VGGX) is allowed 2 refrigerant systems.
- Up to a total of 16 network convertors and touch panel controllers can be connected to single VRF network system.



Touch Panel Controller

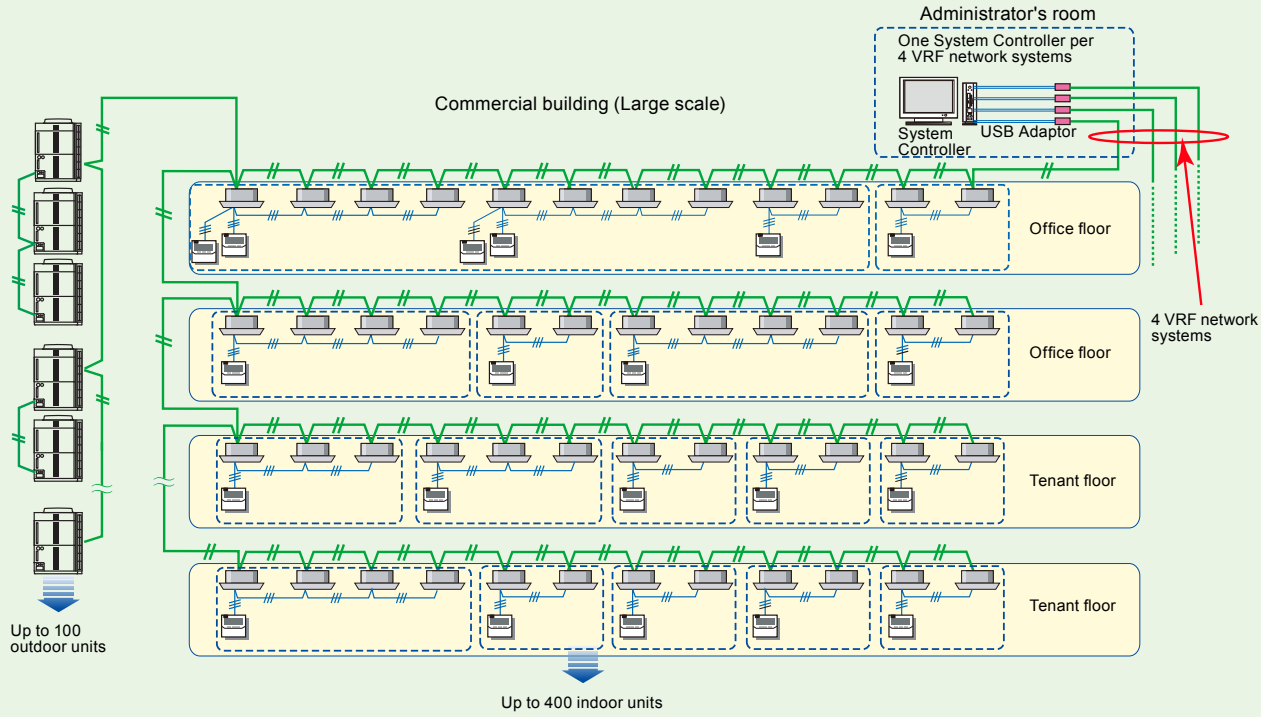
- Up to 400 indoor units / 400 groups can be controlled with one touch panel controller.
- Up to a total of 16 network convertors and touch panel controllers can be connected to single VRF network system.



CONTROL SYSTEM

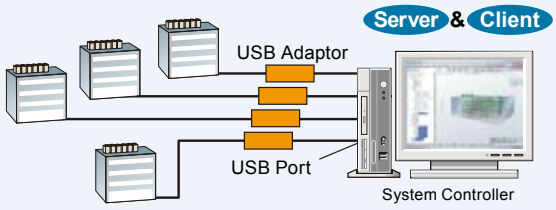
System Controller

- UP to 1600 (400 x 4 VRF network system) indoor units / 1600 groups can be controlled with one System Controller.
- Incorporates a function that automatically calculates electrical charge.



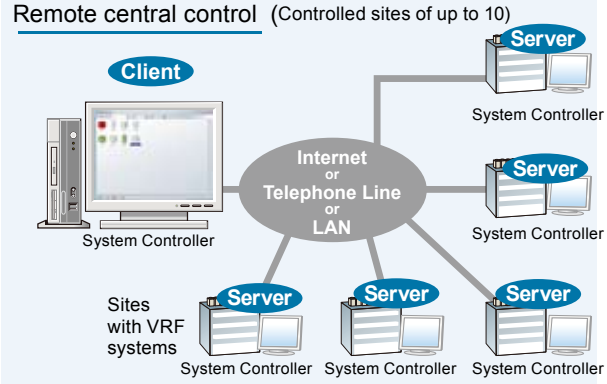
System Controller can be perfored as on site central control and remote central control.

On site central control (Max. 4 VRF network systems)

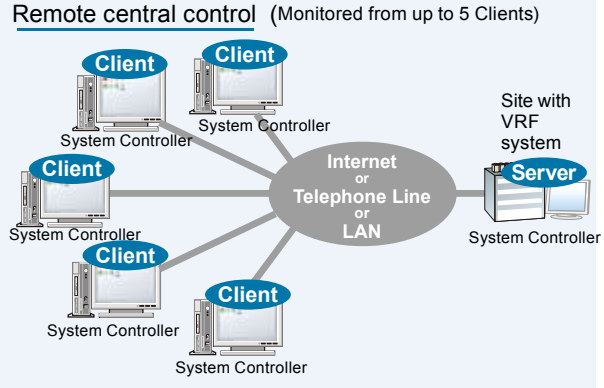


1 VRF network system	Max. controllable		Max. transmission line length
	400 Indoor units	100 Outdor units	3,600m

Remote central control (Controlled sites of up to 10)



Remote central control (Monitored from up to 5 Clients)



■ INDOOR UNIT TYPE AND THE APPLICABLE CONTROL METHOD

	Wired Remote Controller	Simple Remote Controller	Wireless Remote Controller	External Switch Controller
	UTY-RNK∗	UTY-RSK∗ UTY-RHK∗	UTY-LNH∗	UTY-TEKX
Compact Cassette	○	○	○	○
Cassette	○	○	△ *1	○
Compact Duct	○	○	△ *2	○
Low Static Pressure Duct	○	○	△ *2	○
Duct	○	○	△ *2	○
High Static Pressure Duct	○	○	△ *2	○
Floor / Ceiling	○	○	○	○
Ceiling	○	○	○	○
Compact Wall Mounted (EEV internal)	○	○	○	○
Compact Wall Mounted (EEV external)	○	○	○	○
Wall Mounted	○	○	○	○

*1 : IR Receiver Unit (Optional parts : UTY-LRH∗B1) is necessary.

*2 : IR Receiver Unit (Optional parts : UTB-∗WB) is necessary.

CONTROL SYSTEM

■ CONVERTORS (ADAPTORS) AND THE RELATED EQUIPMENTS (SYSTEM)

		Within VRF network system					VRF network system ↔ Other System	
		System Controller	Touch Panel Controller	Group Remote Controller	Web Monitoring Tool	Service Tool	Single Split System Big multi System	BMS/BAS
		UTY-APGX	UTY-DTG∗	UTY-CGG∗	UTY-AMGX	UTY-ASGX		
Network Convertor	UTY-VGGX	-	-	○	-	-	○	-
USB adaptor *3	Field supplied	○	-	-	○	○	-	-
Network Convertor	UTY-VLGX	-	-	-	-	-	-	○

*3 : U10 USB Network Interface TP/FT-10 is a product of Echelon® Corporation.

5-1-4. FEATURES OF CONTROL SYSTEM

■ SIMPLE WIRING SYSTEM

- 1 transmission line can interlink all equipments regardless refrigerant circuit.
- Non polar 2-conductor transmission cable.
- Central control equipment can be connected to anywhere on transmission line, no need to bring from outdoor unit.
  - -Making up the network system easily.
  - -Saving the total wiring length.
  - -Preventing the incorrect connection.
  - -Saving the installation time.

■ ADOPTION TO LARGE SCALE BUILDING

- 1 VRF network system allows to large scale application as follows.
  - -Total transmission wiring length can be extended up to 3,600m. (with signal amplifier unit.)
  - -Indoor units can be connected up to 400.
  - -Outdoor units can be connected up to 100.
  - -Touch Panel Controller can be covered to control whole equipment centrally.
  - -With using multiple Touch Panel Controllers, enable to control by individual zone or floor for convenient usage for various building application.
  - -By adopting interface for Single split type models (excluding some models), J series or multi air conditioner for building models such as Big multi made by FUJITSU GENERAL.
- System Controller allows to control up to 4 VRF network systems (Max.1600 indoor units), suitable for huge scale application.

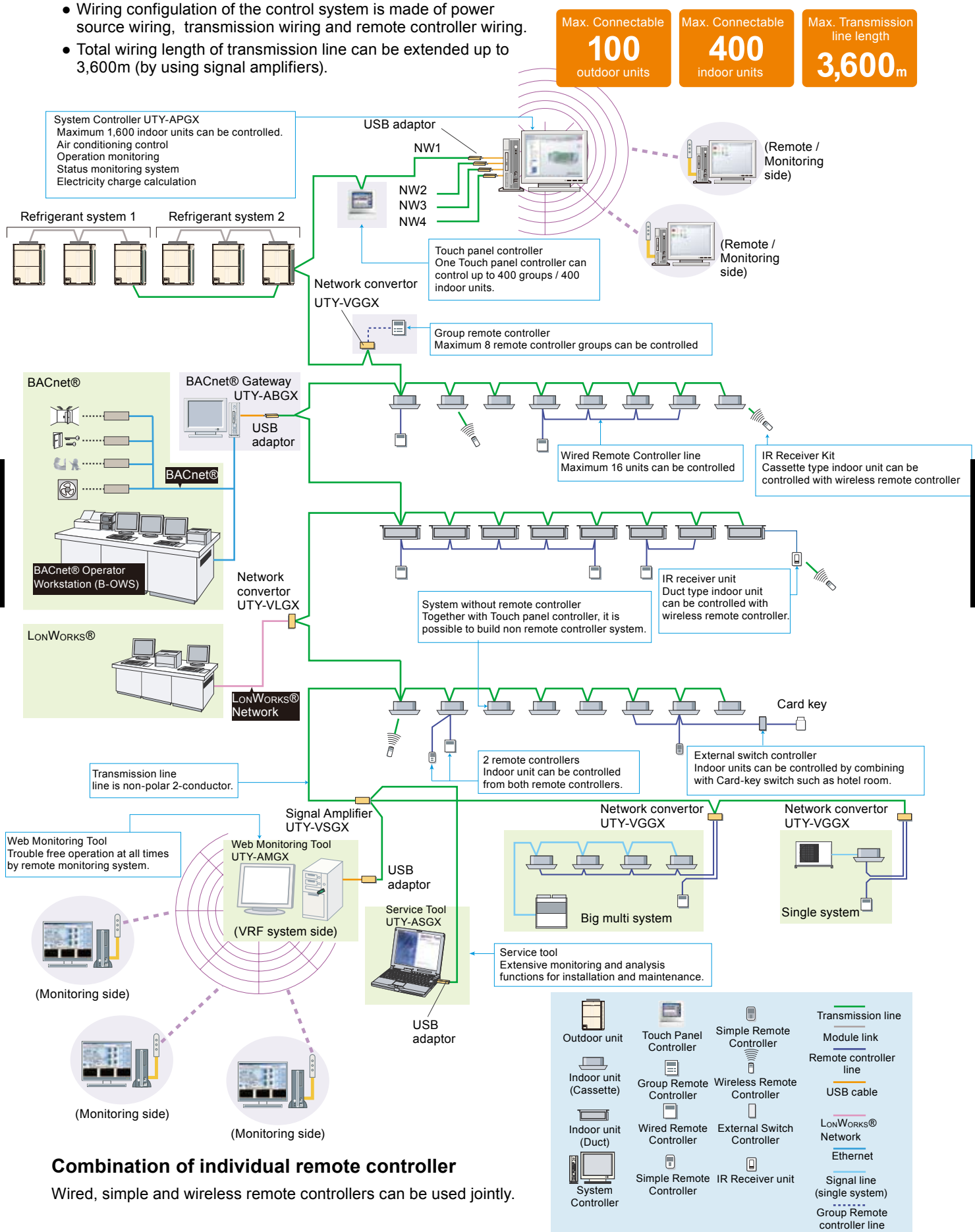
■ RELIABILITY AND EASY MAINTENANCE

- Stand-alone transmission NETWORK, allow to each equipment operates individually, thus failure of the units does not affect to other indoor units operation.
- When a failure occurs, the error code is displayed on the individual controller and central controller. (except Wireless Remote Controller)
- Also error histories can memory by each individual controller and central controller. (except Wireless Remote Controller)
- System Controller and Web Monitoring Tool allow to monitor operation status in real time via INTERNET, enable diagnoses quickly.
- Maintenance work is improved efficiency, because Service Tool can be connected to anywhere on the transmission line.

CONTROL SYSTEM

5-1-5. WIRING SYSTEM

- Wiring configulation of the control system is made of power source wiring, transmission wiring and remote controller wiring.
- Total wiring length of transmission line can be extended up to 3,600m (by using signal amplifiers).



Combination of individual remote controller

Wired, simple and wireless remote controllers can be used jointly.

CONTROL SYSTEM

5-1-6. CONTROL EQUIPMENT DESIGN LIMITATION

			Model	Necessary equipment	The number that can be connected	The number of management [Indoor units]	Connectable outdoor unit
Controller	Central Controller	System Controller	UTY-APGX	USB Adaptor	1 / system	1600 (x 4 VRF Network)	400 (x 4 VRF Network)
		Group Remote Controller	UTY-CGG∗	UTY-VGGX	4 / UTY-VGGX	96	6
					16 / system		
		Touch Panel Controller	UTY-DTG∗			400	100
Adaptor Convertor		Network Convertor	UTY-VGGX		100 / system *1	-	-
		Network Convertor for LonWorks®	UTY-VLGX		1 / system	128 *2	100
		Signal Amplifier	UTY-VSGX		8 / system	-	-
Service and Maintenance		Service Tool	UTY-ASGX	USB Adaptor	1 / system	400	100
		Web Monitoring Tool	UTY-AMGX	USB Adaptor		1600 (x 4 VRF Network)	400 (x 4 VRF Network)

			Model	The number that can be connected
Controller	Individual Controller	Wireless Remote Controller	UTY-LNH∗	
		Wired Remote Controller	UTY-RNK∗	2 / Remote control group
		Simple Remote Controller (with operation mode)	UTY-RSK∗	
		Simple Remote Controller (without operation mode)	UTY-RHH∗	
Adaptor Convertor		External Switch Controller	UTY-TEKX	
		IR Receiver unit		1 / Indoor unit

*1: Maximum 100 Refrigerant system.

*2: Maximum connectable indoor unit number per one Network Convertor.
(Please check the System Diagram (Item:5-3-2) for proper configuration)

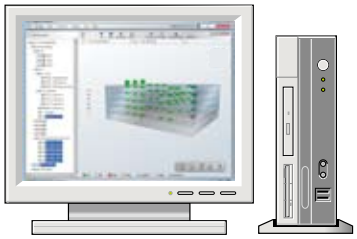
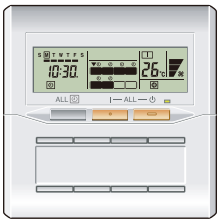
CONTROL SYSTEM

5-2. CONTROL UNITS

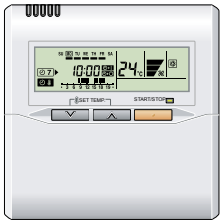
The following types of controllers are available with the FUJITSU GENERAL LIMITED VRF System :

- **System Controller**
- **Touch Panel Controller**
- **Group Remote Controller**
- **Wired Remote Controller**
- **Simple Remote Controller**
  (With operation mode)
  (Without operation mode)
- **Wireless Remote Controller**
- **IR Receiver Unit**

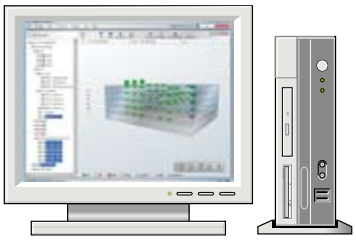
Central Control

System Controller	Touch Panel Controller	Group Remote Controller
		

Individual Control

Wired Remote Controller	Simple Remote Controller	Wireless Remote Controller	IR Receiver Unit
	(With operation mode) (Without operation mode)		

5-2-1. System Controller Software



■ MODEL : UTY-APGX

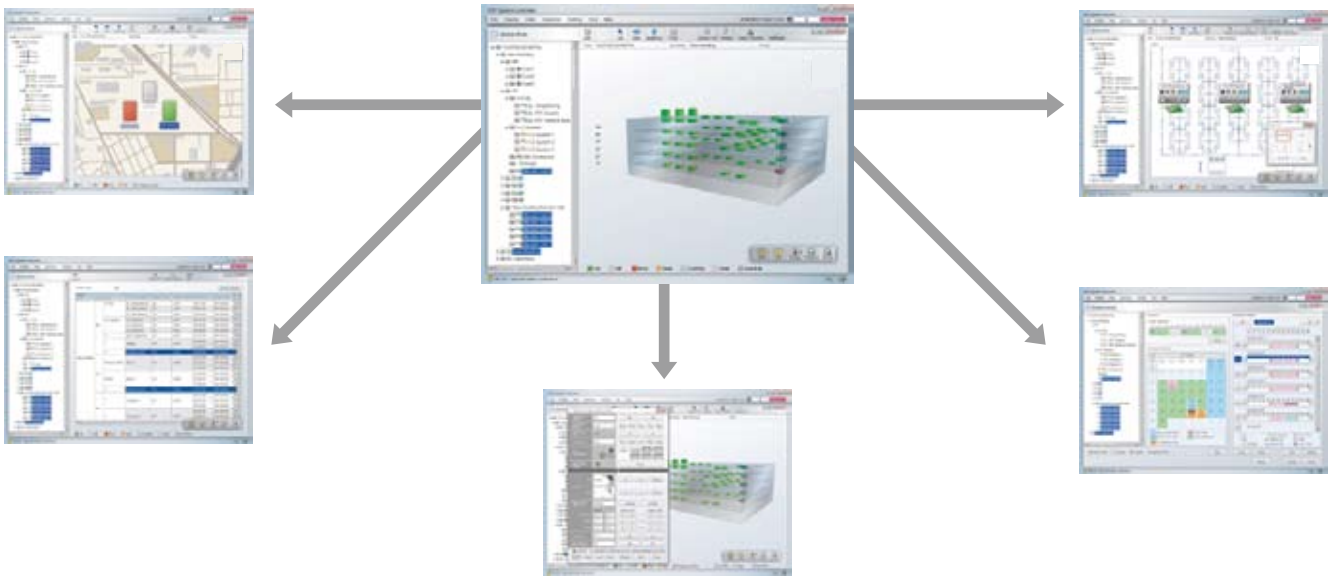
■ FEATURES

This system realizes the advanced general monitoring & control of VRF system from small scale buildings to large scale buildings.

- Up to a maximum of 4 network systems, 1600 indoor units can be controlled.
- Supports VRF V-II Series, V Series & S Series.
- In addition to air conditioning precision control function, central remote control, electricity charge calculation, schedule management, and energy saving functions are strengthened and building manager and owner needs are met.

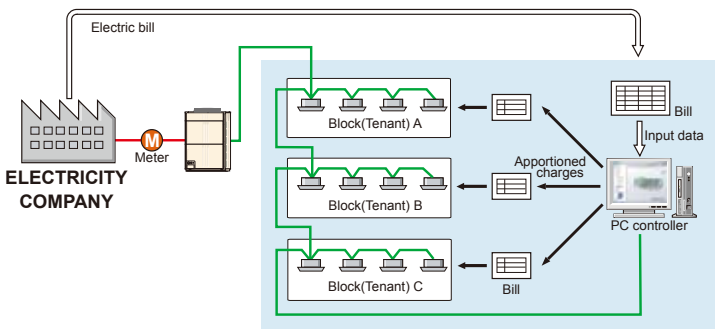
● User friendly view and operation

- Provides graphical view of units layout as site , building and floor layout just as they are located in the actual sites.
- Unit status can be monitored at a glance, selecting the appropriate view that just fit your purpose.
- Control can also be performed from various views as individual unit or as a whole site, building or a whole floor.
- User defined groups, that are neatly arrange as tree view, easy to find, monitor and operate.



● Electricity charge calculation

- Total electricity charge, billed for multiple indoor units connected to the charge meter for air conditioning, is apportioned according to the accumulated operation time and indoor unit operating conditions.
- Allows accounting for special rates (e.g., for night or weekend use).
- Calculations can be printed as final bills.



Note: This electrical power apportioning calculation is not official.

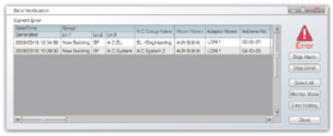
When issued to the user as a bill, it must be explained to the user in advance.

CONTROL SYSTEM

● Schedule control

- Annual schedules can be set for each remote controller group / user defined group.
- Start / stop, operation mode, remote controller prohibition, and temperature settings can be recorded up to 143 times per day at 10 minute intervals for up to 101 configurations for each remote controller group.
- Settings can be made for periods straddling midnight.
- Allows programming of special settings for holidays, including public holidays, for a complete year.

● Error display



Error is notified with popup message,audible sound and e-mail real time when error occurs.Error for the past 1 year are logged and can be reviewed later.

● Operating & control record

Displays the history of operation status and indications.

● Diverse control of indoor units

- Indoor unit operation state, operation mode, etc. are displayed
- Indoor unit start/stop and operation mode switching Temperature setting, remote controller prohibition, etc. setting.

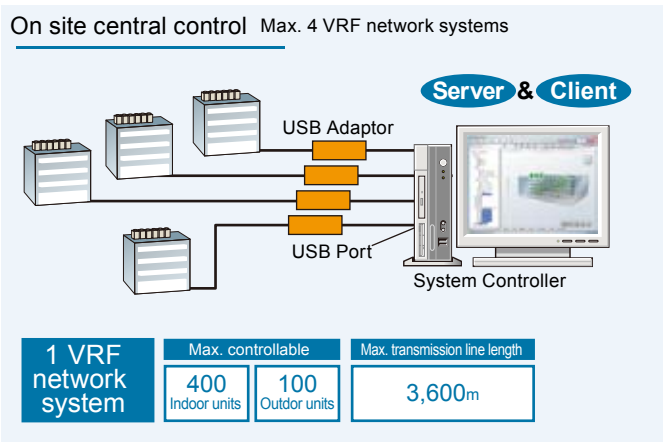
● Energy saving function

Energy saving operation considering comfort by economy setting, temperature set point limitation, etc.

■ SYSTEM DIAGRAM

- System controller may be used on site or remotely over various networks for remote central control.
- System controller requires server and client program working together.
- Server program runs in the background and communicate with VRF System.
- Client program provides user interface and communicate with the server.
- Server and client program may run in a single PC or in different PCs separated by network.

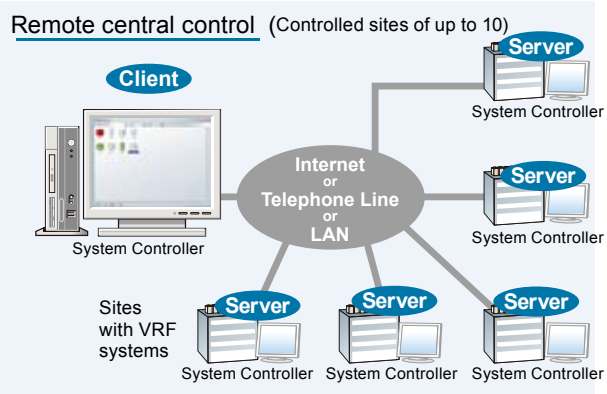
● On site central control



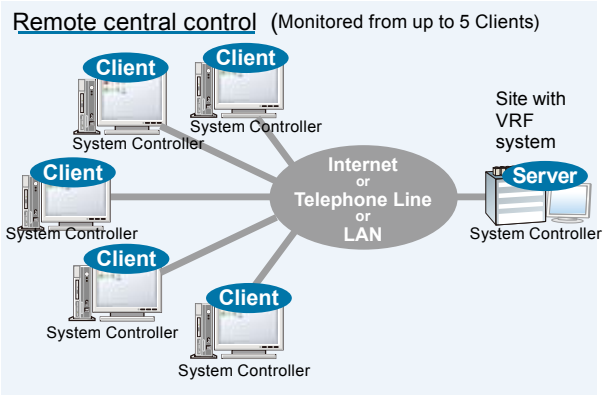
- System Controller can be used in local site with VRF system to centrally control them.
- System Controller can control up to 4 VRF network systems (1600 indoor units).
- Both server and client programs run when using System Controller on site.

● Remote central control

- System Controller can be managed remotely over the internet using client program.
- Server programs run in VRF sites, and client programs run in remote sites with users.



- 1 client can control or monitor up to 10 System Controllers (10 VRF sites).



- 1 System Controller can be monitored from up to 5 clients.

■ PACKING LIST

Item	Q'ty	Application
CD	1	Includes the software for System Controller. Both server and client software are included.
Wibu Key (Software protection key)	1	Software protection key to be inserted in a USB slot running System Controller. System Controller may only run on a PC with Wibu Key. Remote client software is not required Wibu Key.

∗Personal computer must be field supplied.

∗U10 USB Network Interface must be field supplied. Contact Echelon® Corporation or its local sales representative for detail.

Product Name : U10 USB Network Interface – TP/FT-10 Channel
Model Number: 75010R

■ OPERATING CONDITIONS

The following chart shows the detail requirement for an AT compatible personal computer to run System Controller.

	Requirement for PC running System Controller (UTY-APGX)
CPU	Intel® Pentium® / Celeron® 2GHz or higher (1GHz for client only PC)
Hard Drive	40GB or more of free space. (5GB for client only PC)
Memory	2GB or more (1GB or more for client only PC)
Display	Display supporting 1024 x 768 dots or more. 15 inch or higher size is preferable.
Interface	USB port is required for each of the followings for on site PC; • Wibu Key (Software protection key) • Echelon® U10 USB Network Interface (Required for each VRF Network) Ethernet port is required for remote connection.
Operating System	Windows® Vista Home Premium, Business Edition Windows® XP Professional with Service Pack 2 or later
Other Software Required	Adobe® Acrobat® reader 4.0 or later.
Accelerator	Requires the graphics accelerator be compatible with Microsoft® DirectX® 9.0 or later.

CONTROL SYSTEM

■ SPECIFICATION SUMMARY

Feature		Support	Remark
System specification	Max. System Controller per VRF Network	1	
	Max. VRF network supported	4	Site with up to 4 VRF network may be administered with 1 System Controller
	Max. indoor units / remote controller groups per VRF network	400	
	Max. indoor units / remote controller groups per System Controller	1,600	4 VRF networks
Control	Start/Stop, Operation mode, Room temperature	●	
	Fan speed, Louver	●	
	Economy	●	
	Antifreeze	●	
	RC prohibition	●	
	Temperature limit	●	
	Filter sign reset	●	
	Memory operation	●	
Usability	Quick Control	●	Tool bar provided
	Control from layout view	●	
	Control from list view	●	
	Control from tree view	●	
User defined group	Number of groups	1,600	
	Group in group	3 Level	Lv.1 – 2 – 3
	Max. overlap definition	1,600	1 unit may belong to up to 1,600 groups
	Auto generation	●	By site, building and floor
Status view	3D graphical layout view	●	By site, building or floor
	List view	●	
	Tree view	●	Arranged by groups
Status Monitoring	Controlled Status	●	See “Control”
	Special operation	●	Defrost, Oil Recovery
Scheduled control	Annual schedule	●	Week of year, day of month, day of week setting.
	Holiday, special day setting	●	
	Silent mode (weekly) ∗1	●	Outer unit control only.
Alarm Supervision	Real time alarm notification	●	
	Audible alarm	●	
	E-mail Notification	●	
Logging	Operation Data	1 year	
	Alarm History	1 year	
Electricity Charge Apportionment	Tenants	50	
	Power meter interface support ∗1	20	
	Bill issuing	●	
	Charge duration	1 year	
Remote Connection	Max. client connection per server	5	
	Max. host connection from client	10	
	Data encryption	●	
Support Function	Unit search by condition ∗1	●	Search by operation time, etc.
	Real time event monitor ∗1	●	On/Off, temp. out of range event etc.
	Database import / export	●	
	Layout data import/export	●	
	User Control	●	Authorization level setting
	Remote Controller Time Setting ∗1	●	For wired remote controller, etc

∗1 : Scheduled to be offered as options.

CONTROL SYSTEM

5-2-2. TOUCH PANEL CONTROLLER

■ MODEL : UTY-DTG∗

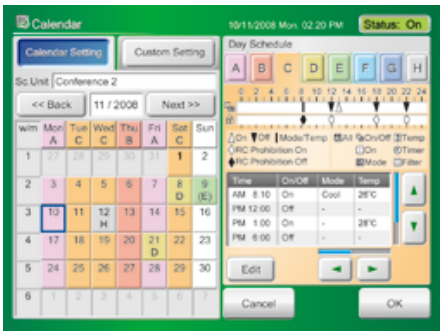
■ FEATURES

● Easy operation

- Large and wide-angled LCD is easily viewable
- Easy-to-understand icon-driven Graphical Use Interface (GUI)
- Wide range of simple-to-understand icons
- Operation can be selected using your finger or the dedicated touch pen by pressing the appropriate on-screen icon
- Up-to-date status display
- Background color is identified current control operation
  Blue for monitoring, green for operational control

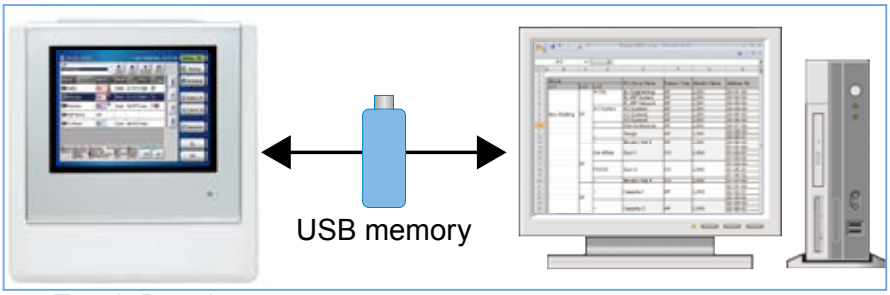
● Function

- Up to 400 indoor units can be controlled
- It allows multiple indoor unit grouping
- Schedule timer function is presetted (20 patterns per day)



● Versatility

- Emergency stop function
  Air conditioner can be turned off through the external input control
- The stored data can be transferred via USB port



CSV format data edited by PC can be imported to Touch Panel Controller.

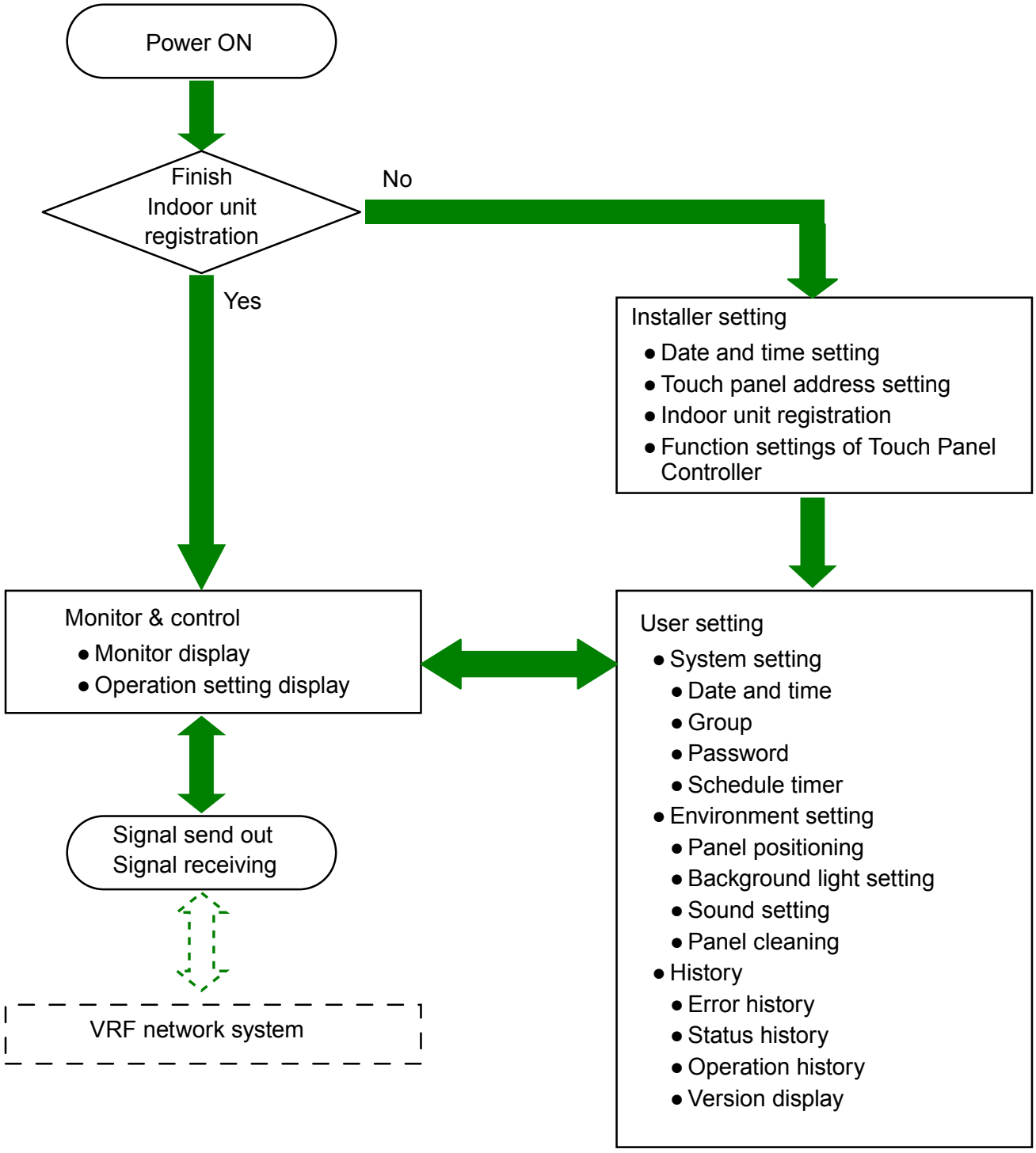
■ FUNCTIONS

No.	Item		Description
1	Installation	Language setting	Design considering multi-language correspondence. *1
		Indoor unit registration	Indoor unit registration. Max 400 units. (Set data can be written to and read from USB memory)
		Functions setting	Temperature set point limitation, external input, central operation on/off setting.
2	Monitor	Display switching	Icon display, list display
		Display units	ALL, group, individual (remote control group)
		Monitor contents (icon display)	Group name, operation, operation mode, set temperature, time, errors, timer setting, filter sign
		Monitor contents (list display)	Group name, operation, operation mode, set temperature, air flow, air direction, special operation, anti-freeze, time, errors, timer setting, filter sign
		Error list	Group name, remote control group name, address, error code
		Special state	Display during special operation
3	Control	Control units	ALL, group, individual (remote control group)
		Control contents	Operation, operation mode, set temperature, air flow, RC Prohibition, filter sign reset
		Detailed control contents	Air direction, energy saving, anti-freeze, test run
4	Setting	Date and time	Time display switching, year/month/day display switching, system clock setting, summer time
		Panel cleaning and correction	Select display area for panel cleaning. User can select black screen on display.
		Group	Stages: Max. 3 stages Settable up to 400 groups. (Set data can be written to and read from USB memory)
		Background light and beep sound	Backlighting off time and brightness setting, BEEP sound operation setting
		Password	Management level: 3 kinds
		Schedule timer	Max 30 items settable
		Temperature range	Celsius/Fahrenheit switching, cooling, heating, and AUTO each settable.
5	Maintenance	Error history	Recording of max 10 errors each for touch panel controller and each unit (indoor unit, outdoor unit)
		Status history	Recording of max 100 operations each for each indoor unit. Writable to USB memory.
		Operation history	Recording of max 100 operations. Writable to USB memory.
		Version display	Version display
6	Others	External input/output	Input: Batch operation/stop, emergency stop Output: Operation monitoring, error

*1 : Product specifications are subject to change without notice.

CONTROL SYSTEM

■ STATE TRANSITION DIAGRAM



CONTROL SYSTEM

■ MAIN FUNCTIONS AND SCREEN EXAMPLES

● Monitor display example

An easy-to-use display mode can be selected.

Easy-to-understand GUI of adopted icon.

Icon display

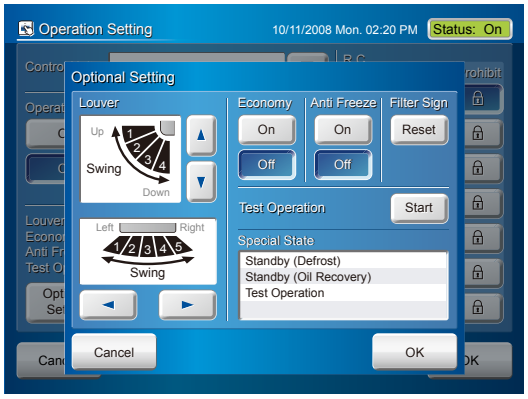
List display example

● Operation setting example

Large button is designed for easy to access.

Operation setting display

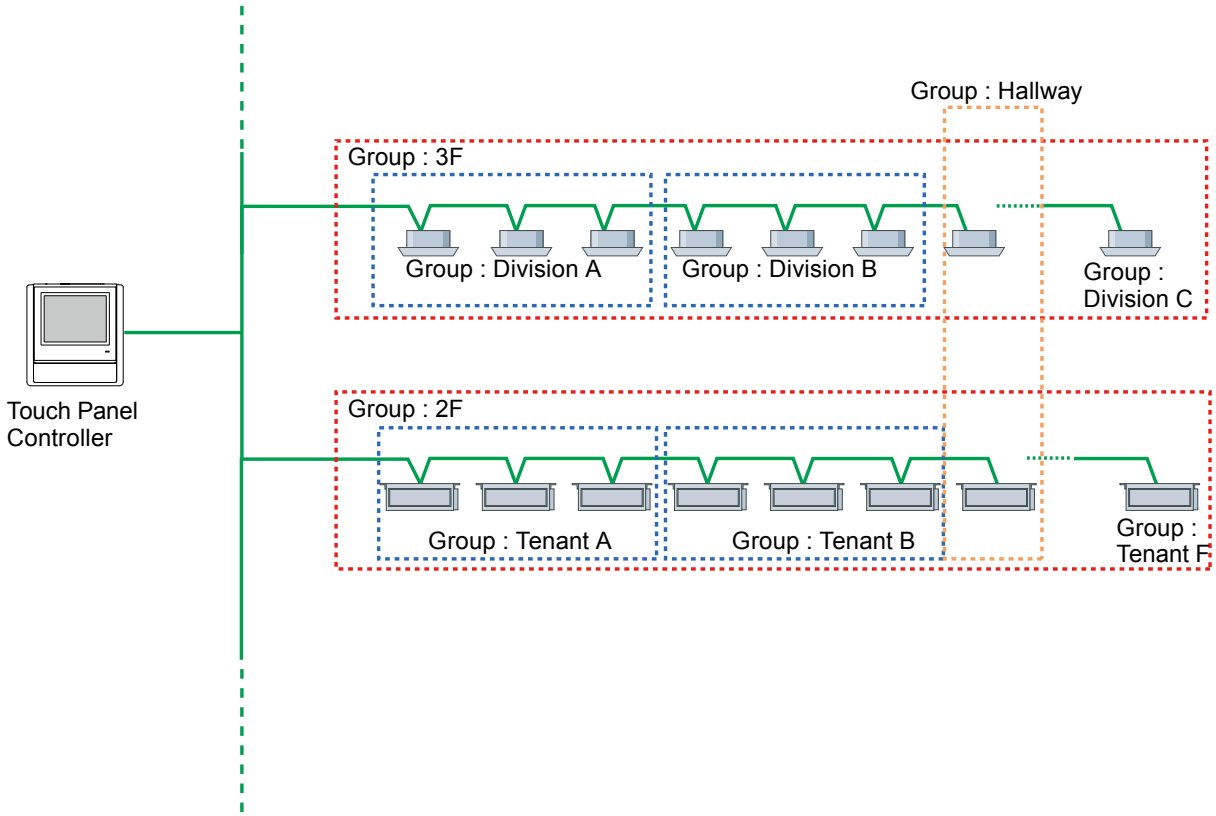
Optional setting display



CONTROL SYSTEM

● Group setting

Groups can be arbitrarily set in easy to manage units as shown in the figure.
Control and monitoring are performed in these group units.



Group setting screen

CONTROL SYSTEM

● System schedule timer

Annual schedule can be set of a maximum 30 items.

Schedule setting screen

● History recording and display

Error, status and operation histories can be recorded. Each recording can be also written to USB memory.

- Error history: Max 10 items each recorded for touch panel controller and each unit (indoor unit, outdoor unit)
- Status history: Max 100 operations each recorded for indoor unit of each room
- Operation history: Operation of max 100 operations recorded

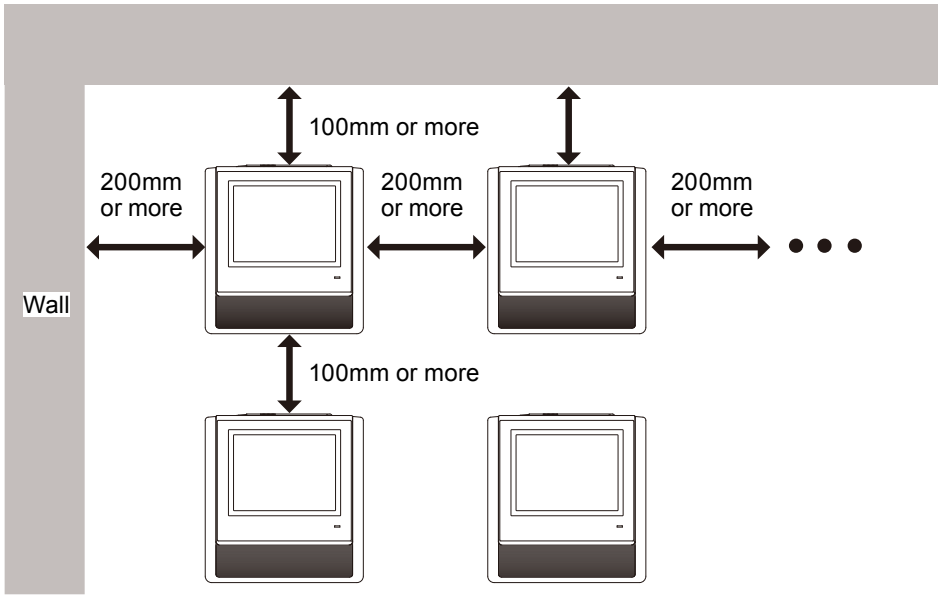
Operation history screen

CONTROL SYSTEM

■ INSTALLATION

● Installation space

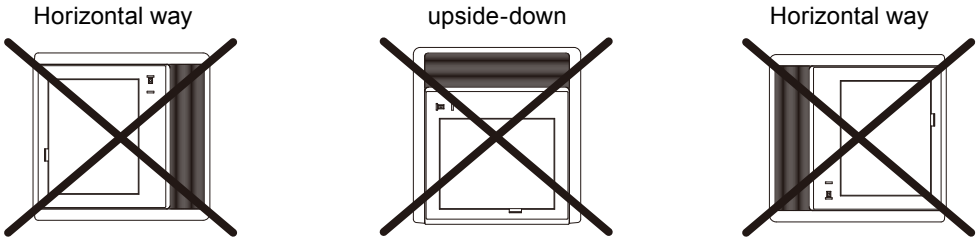
When installing Touch Panel Controller in a row, keep the space shown below from the surrounding projecting parts.



Note: The switchbox that Touch Panel Controller is to be mounted to should be installed horizontally in advance.

● Caution

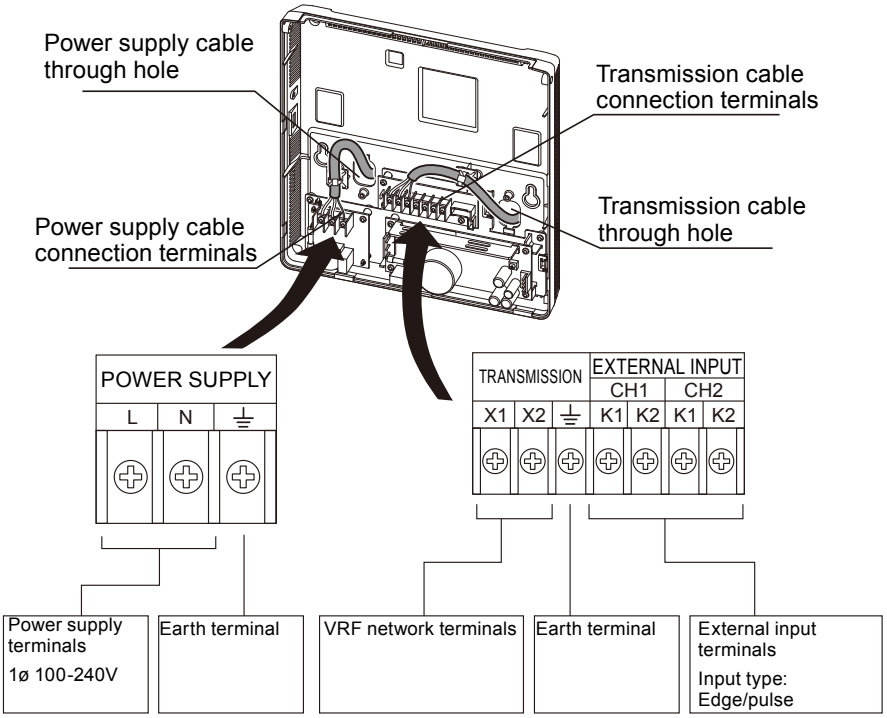
Follow installation way is prohibited.



CONTROL SYSTEM

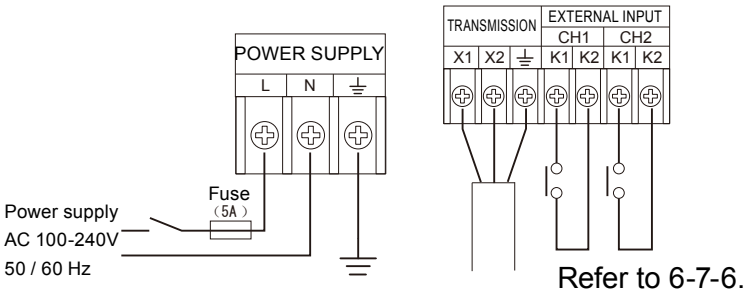
● Terminal names

Names of connection terminals inside rear cover.



● External input terminals

External input terminals are prepared for all ON/OFF and Emergency stop commands.

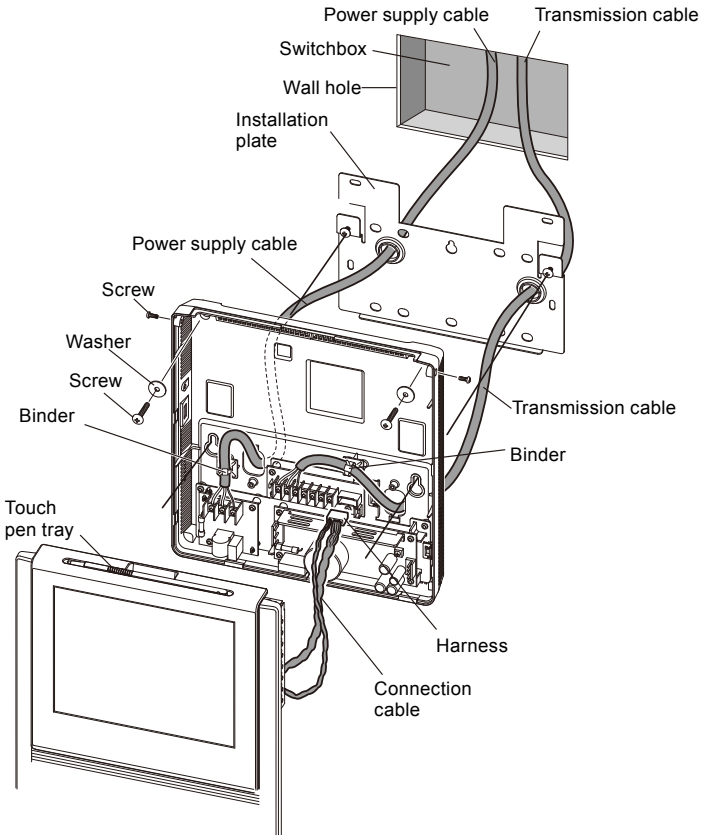


Refer to 6-7-6.

CONTROL SYSTEM

● Installation method

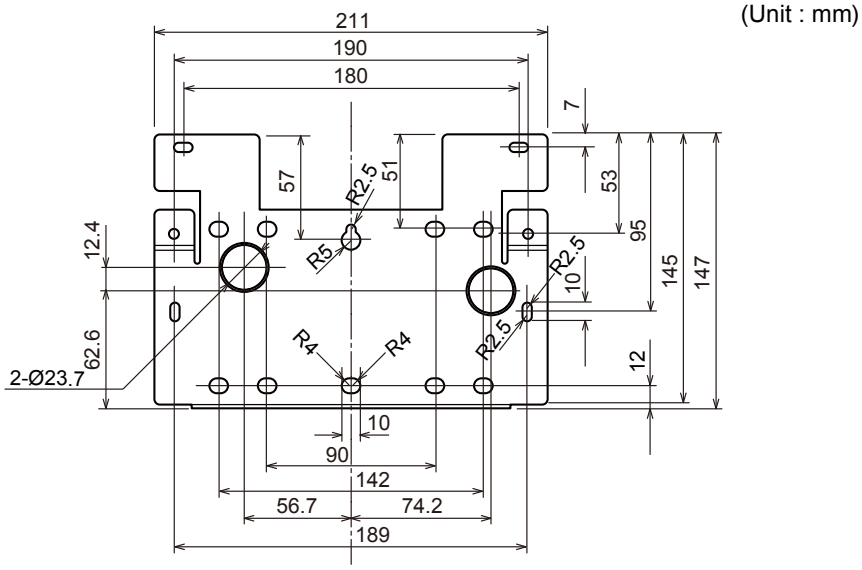
Be sure in accdance with "installation manual".



CAUTION: In advance install a switchbox to the wall where the touch panel controller is to be installed.

● The diagram of the mounting plate screw hole positions

(Unit : mm)



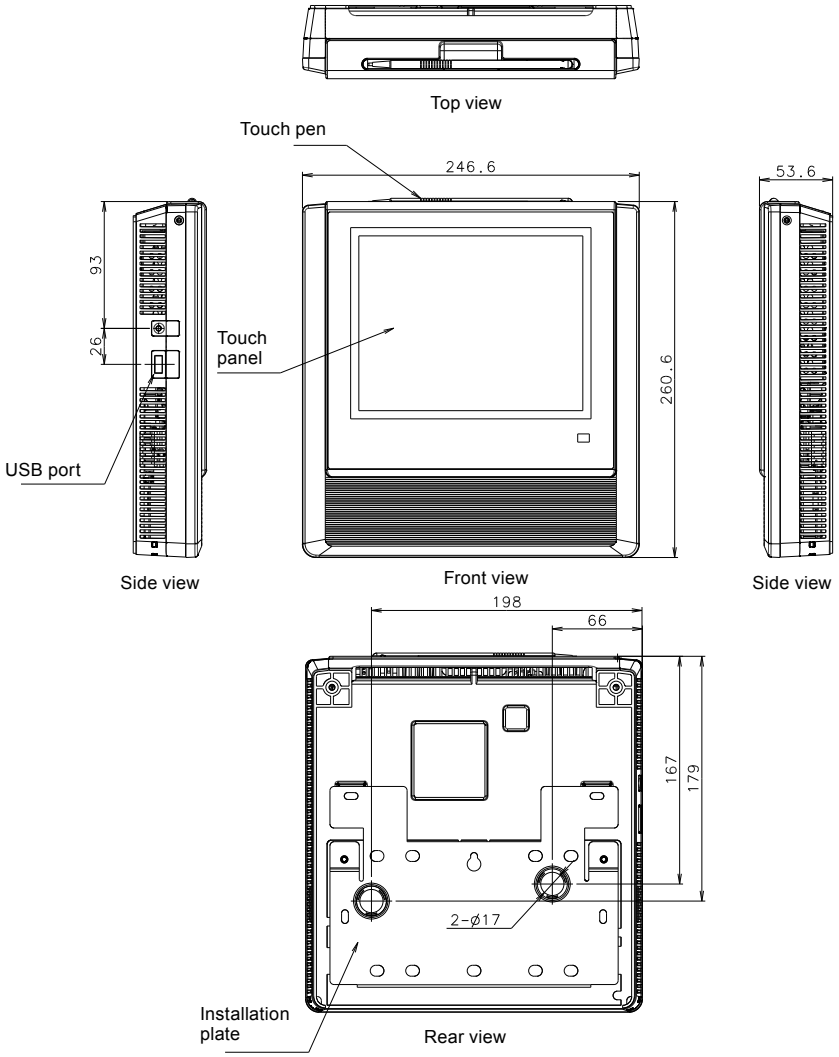
CAUTION:

Refer to the mounting screw hole positions of the switchbox that is to be installed in advance and check the compatibility.

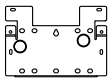
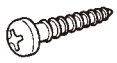
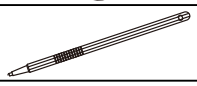
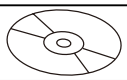
CONTROL SYSTEM

■ DIMENSIONS

(Unit : mm)



■ PACKING LIST

Name and shape	Quantity	Application
Installation plate 	1	For Touch Panel Controller installation (It is attached to the back of the Touch Panel Controller)
Screw 	8	Screw for Touch Panel Controller installation (M4 x 20mm)
Washer	8	Washer for Touch Panel Controller installation
Touch pen 	1	Pen for Touch Panel Controller operation
Binder	4	Prevents dropping off of the cable
CD-R 	1	Include the operating manual for this controller
Installation manual	1	
Operation manual	1	

CONTROL SYSTEM

■ WIRING SPECIFICATIONS

Use	Size		Wire type	Remarks
Power supply cable	Maximum	1.25mm^2	245 IEC 57 or equivalent	1 ø AC100 - 240 V 50/60Hz, 2 Wire + ground (Always ground the unit)
	Minimum	0.5mm^2		
Transmission cable	0.33mm^2		22AWG LEVEL4 (NEMA) non-polar 2 core, twisted pair solid core Shielded	LonWorks compatible cable
External input / output cable	0.33mm^2		22AWG Polar 2core, Twisted pair	Use shield cable in accordance with local rules for cable
Fuse capacity	5A			

■ SPECIFICATIONS

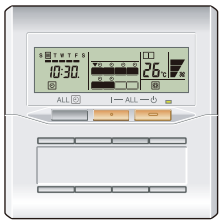
Model name	UTY-DTG∗
Power source voltage	1 ø AC 100 - 240 V
Power source frequency	50 / 60 Hz
Power consumption (W)	22
Display	7.5-inch TFT color LCD display (640 x 480 pixels), with Touch panel
LED indicator	Power LED (Green)
External interface	USB 2.0
	Transmission
	EXT IN: (Either emergency stop or batch operation/stop) (Either no-voltage contacts or voltage contacts can be selected)
	EXT OUT: (Operation state, error state)
	Reset SW
Usage temperature range (°C)	0 to 40
Usage humidity range (%)	0 to 85 (no condensation)
Storage temperature range (°C)	-20 to 70
Storage humidity range (%)	0 to 85 (no condensation)
Dimensions [H x W x D] (mm)	260 x 246 x 54
Weight (g)	2150

CONTROL SYSTEM

5-2-3. GROUP REMOTE CONTROLLER

■ MODEL : UTY - CGG∗

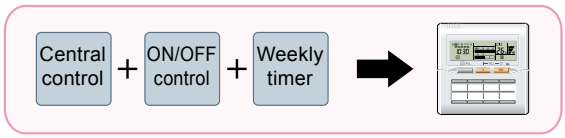
■ FEATURES



- Control and monitoring of up to 8 remote controller groups (Max96 indoor units) is possible with one group remote controller.
- The optional network convertor (Model name: UTY-VGGX) allows up to 4 Group Remote Controllers to be incorporated within the control layout. This flexibility is ideal for a number of different building sizes, types and applications.
- Up to 64 group remote controllers (with 16 network convertors UTY-VGGX) can be connected in one VRF network system.
- Start/Stop, operation mode, set temperature, timer control and fan speed can be controlled / monitored centrally or individually.
- Easy installation with a slim shape with no bulge in the back.
- One-touch Start/Stop operation of each indoor unit is possible. All the indoor units can also be easily operated by pressing an ALL ON, ALL OFF, or ALL TIMER ON/OFF button.

● High performance and compact size

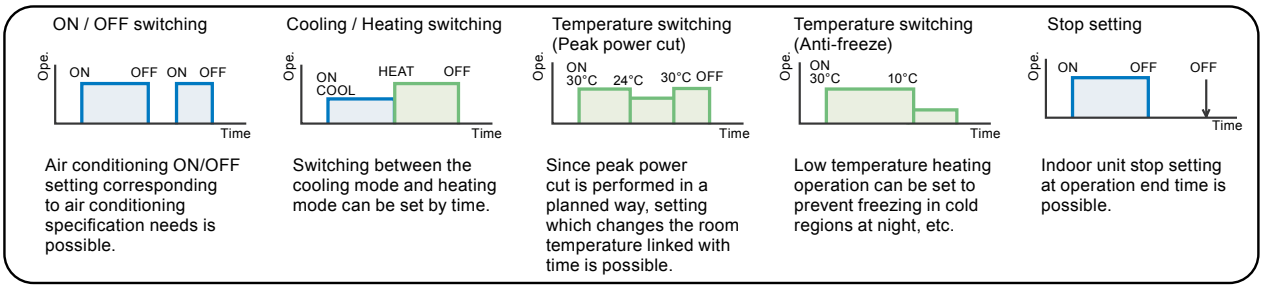
Start/Stop, operation mode, set temperature and fan speed can be controlled / monitored centrally or individually.



● Built-in weekly timers

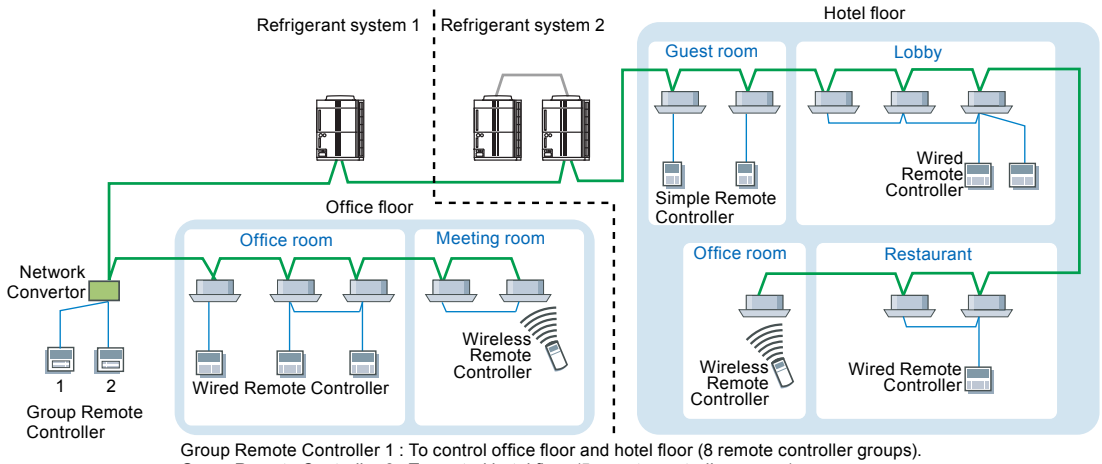
The WEEKLY TIMER is provided as a standard function.

- The timer can be set up for up to 4 times/day.
  (Start/Stop, operation mode, set temperature)
- Allows separate settings for each day of the week.



● Control up to 8 remote controller groups

Control up to 8 remote controller groups



Group Remote Controller 1 : To control office floor and hotel floor (8 remote controller groups).
Group Remote Controller 2 : To control hotel floor (5 remote controller groups).

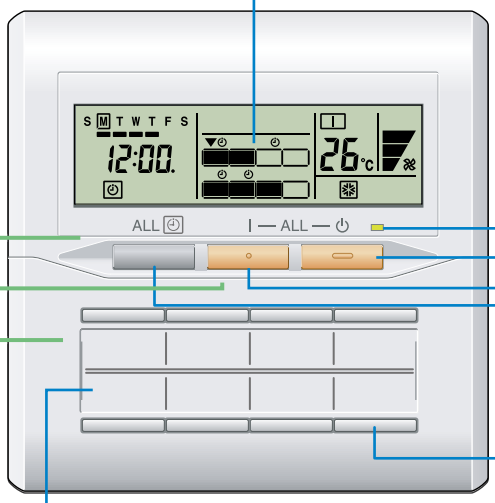
■ FUNCTIONS

1 Timer setting at all the connected indoor units is possible by centralized timer on the front panel.

2 All the connected indoor units can be turned on / off simultaneously by centralized ON/OFF button on the front of the cover.

3 The indoor unit can be quickly turned on and off by ON / OFF button of each indoor unit on the front of the door.

With cover closed



Indoor Unit Operation Indicators
Timer setting at all the connected indoor units is possible by centralized timer on the front panel.
■ : On □ : Off
● : Timer operation ▼ : Selection

Operation Lamp
This is on if any of the indoor units is operating. This flashes if any of the indoor units has malfunction(s).

ALL OFF Button
Press the ALL OFF button to turn off all of the indoor units.

ALL ON Button
Press the ALL ON button to turn on all of the indoor units.

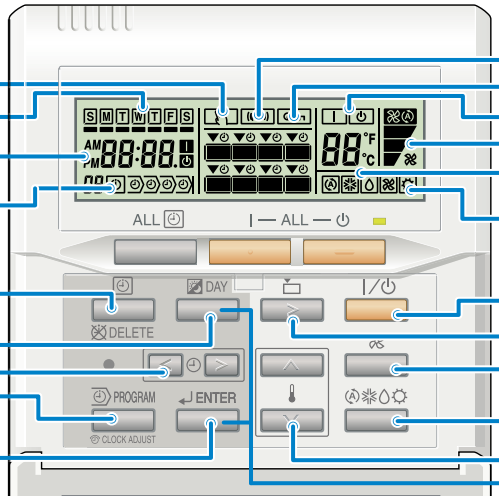
ALL TIMER Button
Press the ALL TIMER button to turn the timer operation on or off for all indoor units.

Start / Stop Button
Press the ON / OFF button to turn the corresponding indoor unit on or off.

Indoor Unit Name Labels
Write the names of the indoor units on the included labels and attach them.

Timer and Clock Display and setting

With cover open



Setting Display
Day Display
Timer and Clock Display
Timer Mode Display
Timer Mode (DELETE) Button
DAY Button
Set Time Button
PROGRAM (CLOCK ADJUST) Button
ENTER Button

Displaying the Status and Contr olling indoor units

Transmission Display
Operation Lock Display
ON / OFF Display
Fan Speed Display
Set Temperature Display
Operation Mode Display
Start / Stop Button
Select Button
Fan Control Button
*1, *2, *3
Operation Mode Button
Set Temperature Button
Child Lock Function

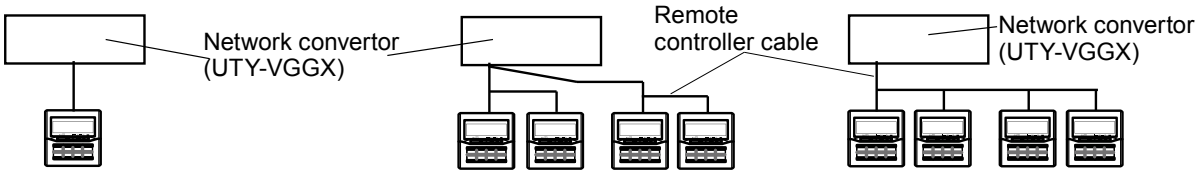
*1 : "AUTO Ⓐ" is not available for a heat pump model unless it is set up master indoor unit.
*2 : "FAN ※" is not available for a heat pump model
*3 : "HEAT ☼" is not available for a cooling only model

CONTROL SYSTEM

■ SYSTEM DIAGRAM

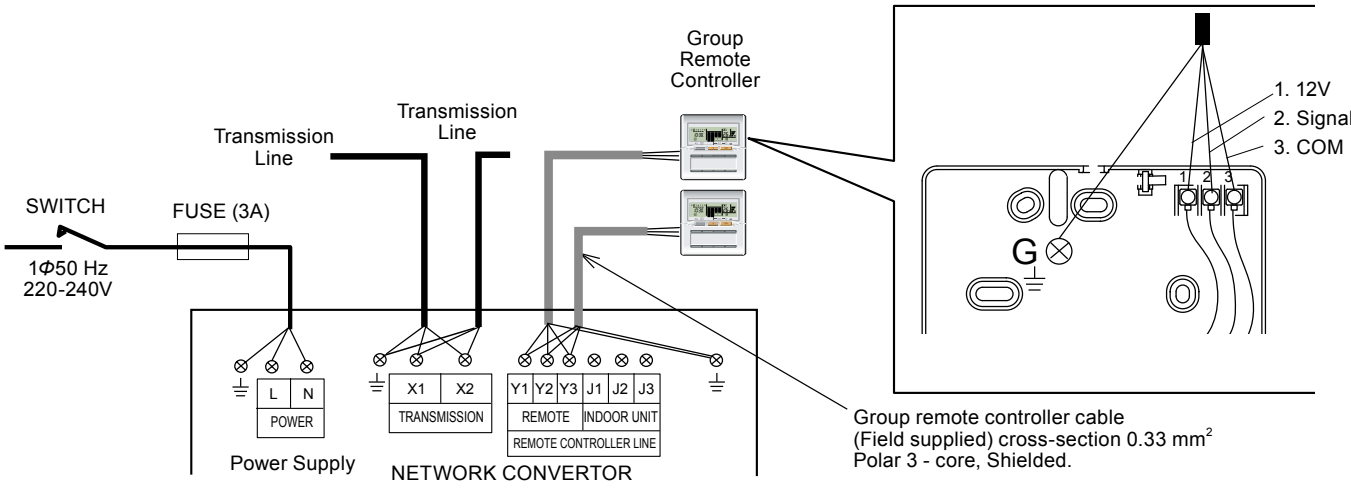
● When connecting one group remote controller

● When multiple group remote controllers are connected



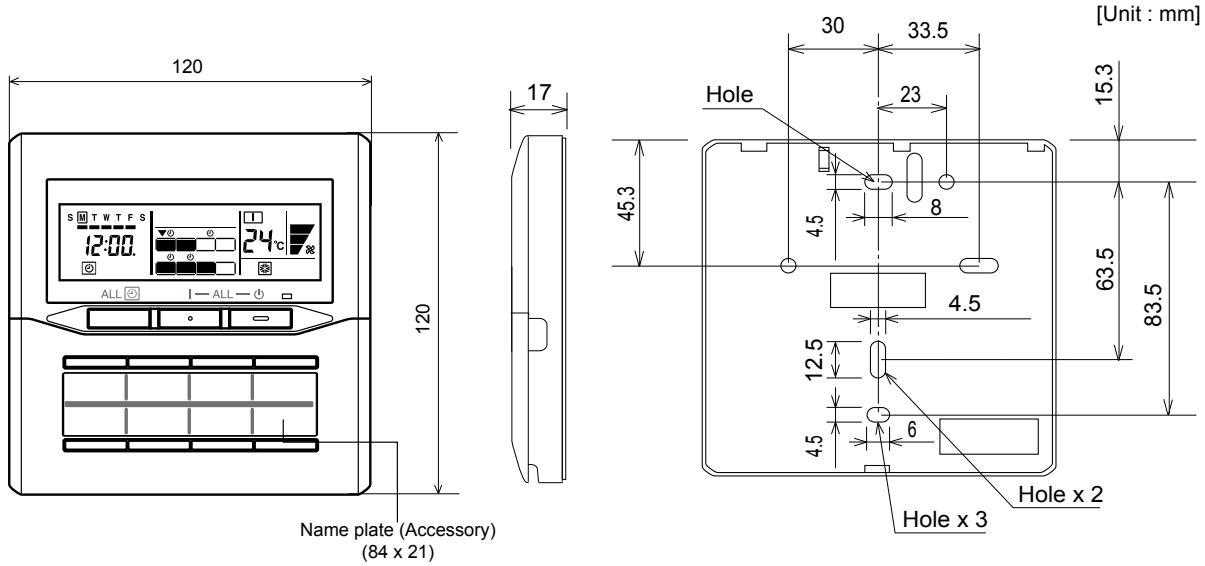
- Total remote controller cable length : Max. 100m.
- Connectable group remote controller : Max. 4units / convertor.
- Use of a terminal box is recommended when a junction is made in the wiring.

■ ELECTRICAL WIRING

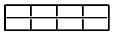
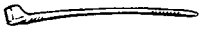


■ DIMENSIONS

[Unit : mm]



■ PACKING LIST

Name and shape	Quantity	Application
Label 	4	Use this for writing the names of the indoor units that have been registered.
Screw (M4x16mm)	2	For installing the remote controller
Binder 	1	For remote controller and remote controller cable binding
Installation manual	1	
Operating manual	1	

■ WIRING SPECIFICATIONS

Use	Size		Wire type	Remarks
Power supply cable	Maximum	1.25mm^2	245 IEC 57 or equivalent	1 ø AC220 - 240 V 50/60Hz, 2 Wire + ground (Always ground the unit)
	Minimum	0.5mm^2		
Transmission cable	0.33mm^2		22AWG LEVEL4 (NEMA) non-polar 2 core, twisted pair solid core Shielded	LonWorks® compatible cable
Remote controller cable	0.33mm^2		22AWG Polar 3 core, Sheilded	Use shield cable in accordance with local rules for cable
Fuse capacity	3A			

■ SPECIFICATIONS

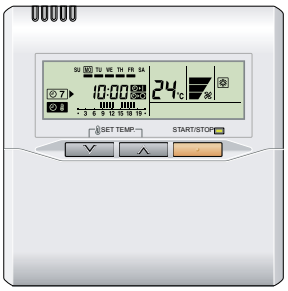
Model name	UTY - CGG∗
Dimensions [H x W x D] (mm)	120 x 120 x 17
Weight (g)	200

CONTROL SYSTEM

5-2-4. WIRED REMOTE CONTROLLER

■ MODEL : UTY - RNK∗

■ FEATURES



- Various timer setup (ON / OFF / WEEKLY) are possible.
- Equipped with weekly timer as standard function. (Start / Stop function is twice per day for a week)
- When setting up a timer, start / stop and a temperature setup can be changed.
- When a failure occurs,the error code is displayed.
- Error history.(Last 16 error codes can be accessed.)
- Up to 16 indoor units can be simultaneously controlled.
- The room temperature can be controlled by being detective the temperature accurately with Built-in thermo sensor.

● Powerful features and compact size

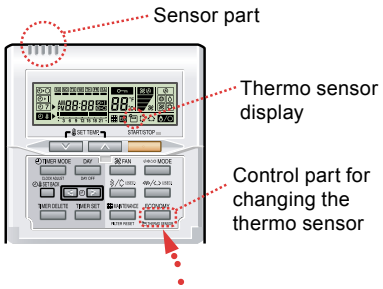
Individual control + Thermo sensor + Weekly timer + Setback timer = Wired remote controller

● Accurate and comfortable

Indoor temperature can be detected accurately by the inclusion of a thermo sensor in the body of the wired controller.

Our system can correspond to various scenes.

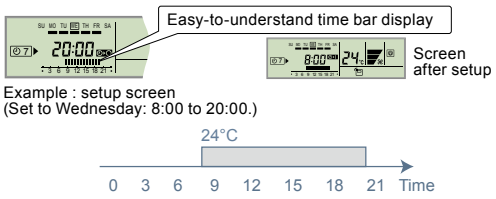
This wired remote controller and the optional remote sensor allows flexibility in sensor location, and suitable for all requirements.



● Built-in timers

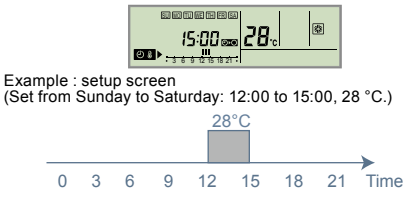
Weekly timer

Possible to set ON/OFF time to operate twice each day of the week.



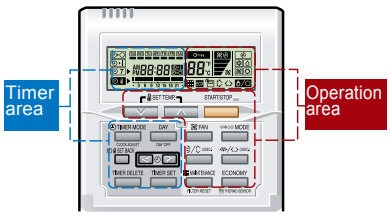
Setback timer

Possible to set temperature for two time spans and for each day of the week.



At "Weekly timer" + "Set back timer" setup

● Easy-to-understand operation

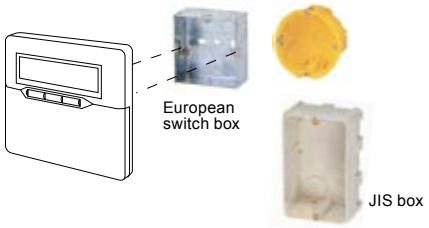


[Variable timer control]

The operation/display sections are zoned according to time and operation, enabling variable programming to match application.

● Simple installation

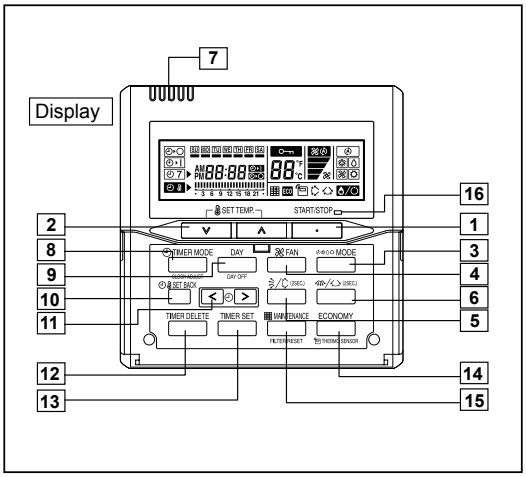
Components are compatible with standard switch boxes. Flat back surface allows equipment to be installed wherever it is needed.



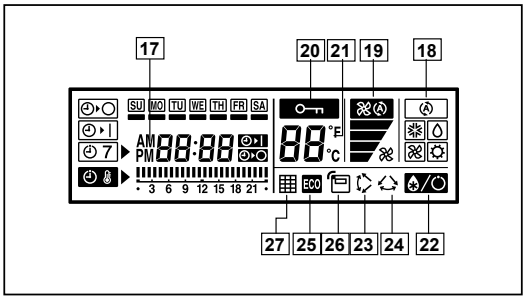
CONTROL SYSTEM

CONTROL SYSTEM

■ FUNCTIONS



Display panel



1 START/STOP button
Pressed to start and stop operation.

2 Set Temperature button
Selects the setting temperature.(18-30°C[COOL], 10-30°C[HEAT])

3 Operation mode button ∗2
Selects the operating mode (AUTO Ⓐ∗1, COOL ❄, DRY◊ , FAN ✲∗3, HEAT ☼∗4).

4 Fan control button
Selects the fan speed (AUTO ✲Ⓐ, LOW ▂✲, MED ▄✲, HIGH ▇✲).

5 Vertical air flow direction and swing button
Press for two seconds to change the swing mode

6 Horizontal air flow direction and swing button
Press for two seconds to change the swing mode.

7 Built-in thermo sensor
Detect room temperature.

8 Timer mode (CLOCK ADJUST) button
Selects the timer mode (OFF TIMER, ON TIMER, WEEKLY TIMER)
Set the current time.

9 Day (DAY OFF) button
Temporarily cancels of one day timer.

10 Set back button
Pressed select the set back timer.

11 Set time button
Pressed to select the set back timer.

12 Delete button
The schedule of a weekly timer is deleted.

13 Set button
Sets the date, hour, minute and on-off time.

14 Economy button / Thermo sensor button

15 Filter button

16 Operation lamp
Lights during operation and when the timer is on.

17 Timer and clock display

18 Operation mode display

19 Fan speed display

20 Operation lock display

21 Temperature display
Displayed temperature is set temperature.

22 Defrost display
Indicates during the oil recovery and defrosting operation.

23 Vertical swing display

24 Horizontal swing display

25 Economy display

26 Thermo sensor display

27 Filter display

∗1 : "AUTOⒶ" is not available for a heat pump model unless it is set up administrative indoor unit.

∗2 : Indoor unit can be set to administrative indoor unit by pressing "MODE" button for five seconds or more. (Refer to 6-6-12.)

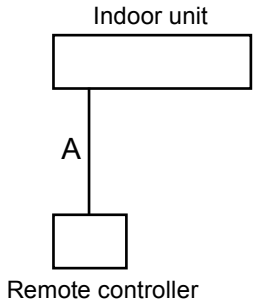
∗3 : "FAN✲" is not available for a heat pump model.

∗4 : "HEAT☼" is not available for a cooling only model.

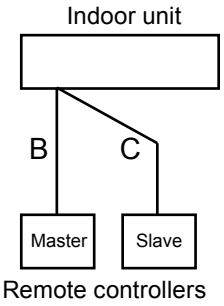
CONTROL SYSTEM

■ SYSTEM DIAGRAM

● 1 remote controller



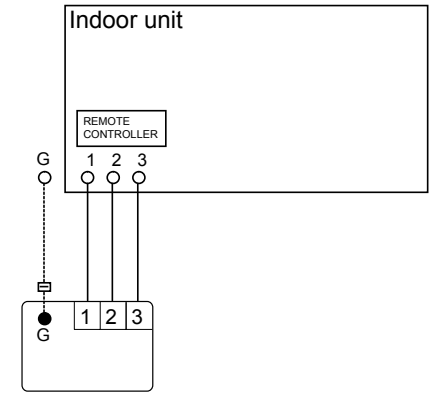
● 2 remote controllers



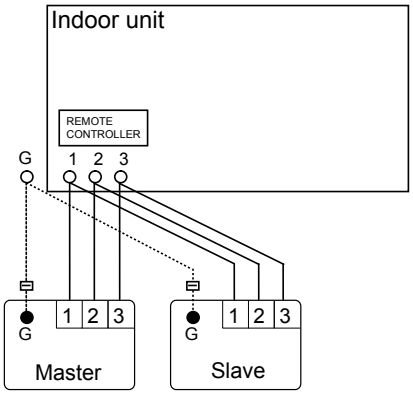
A , B , C : Remote controller cable.
Refer to 6-4-4 for detail specifications.
A ≦500m ; B+C ≦500m

■ ELECTRICAL WIRING

● 1 remote controller



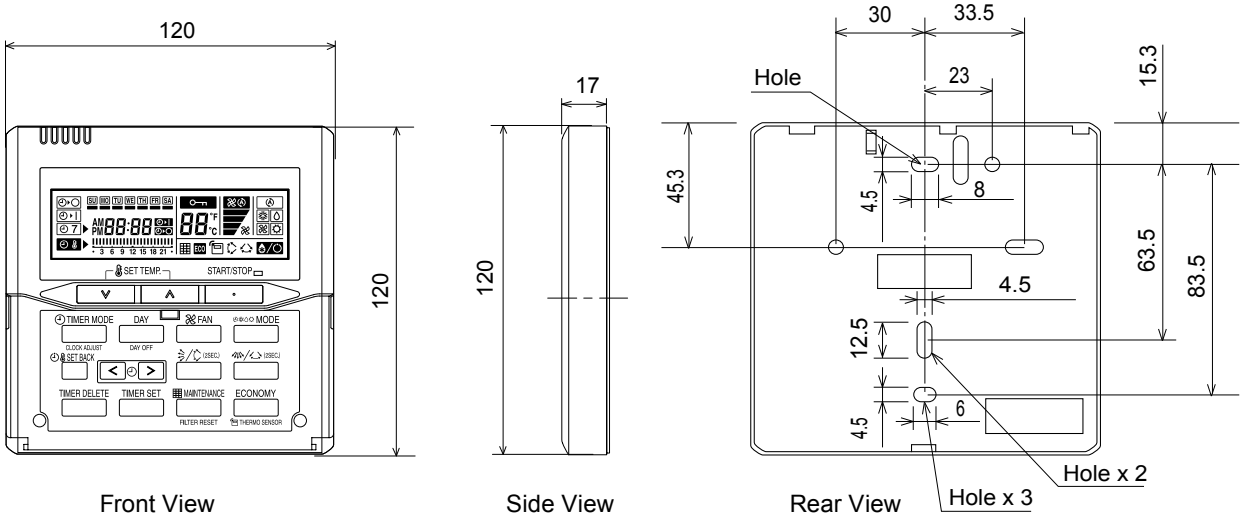
● 2 remote controllers



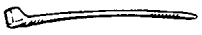
1 (RED) : 12V
2 (WHITE) : Signal
3 (BLACK) : COM

■ DIMENSIONS

[Unit : mm]



■ PACKING LIST

Name and shape	Quantity	Application
Remote controller cable *4	10m	For connecting the remote controller (Exclude some models)
Screw (M4 x 16mm)	2	For installing the remote controller
Binder 	1	For remote controller and remote controller cable binding
Installation manual	1	
Operating manual	1	

*4： If necessary , use shielded cable (Field supplied) in accordance with the standard of the country.

■ WIRING SPECIFICATIONS

Use	Size	Wire type	Remarks
Remote controller cable	0.33mm^2	22AWG Polar 3 core, Twisted pair	Use shield cable in accordance with local rules for cable

■ SPECIFICATIONS

Model name	UTY - RNK∗
Dimensions [H x W x D] (mm)	120 x 120 x 17
Weight (g)	160

CONTROL SYSTEM

5-2-5. SIMPLE REMOTE CONTROLLER (With Operation mode)

■ MODEL : UTY - RSK∗

■ FEATURES

- Easy operation.
- Built-in background light function.
- Easy installation with a slim shape with no bulge in the back.
- Error history.(Last 16 error codes can be accessed.)
- Up to 16 indoor units can be simultaneously controlled.
- Can be installed onto SW-BOX. (applies to European and other country's standard)

● User-friendly operation

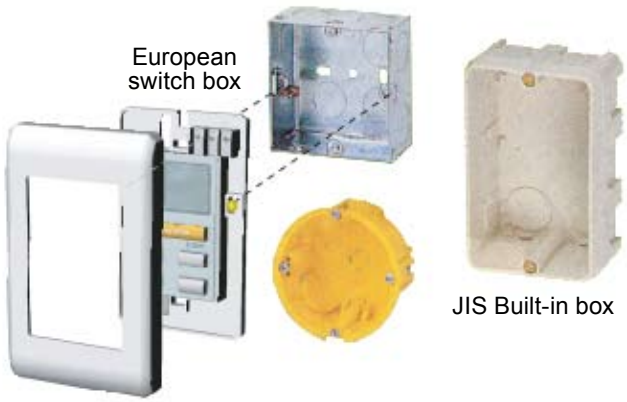
- Provides access to basic operations, such as Start / Stop, Fan speed, operation mode and room temperature setting.
- A large Start / Stop button is provided in the centre of the remote controller unit for easy operation.
- Following an error display, diagnostics can be carried out on the controller.

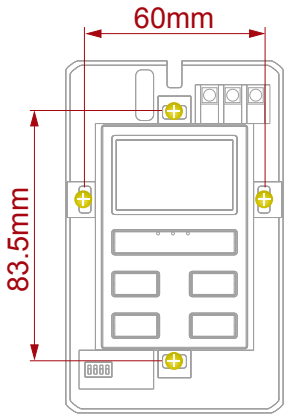
● Background light

- Background light enables easy operation in a darkened room.
- Background light activates during all button operations, and lasts 10 seconds in operating mode and 5 seconds in stop mode after a button is pressed.

● Simple installation

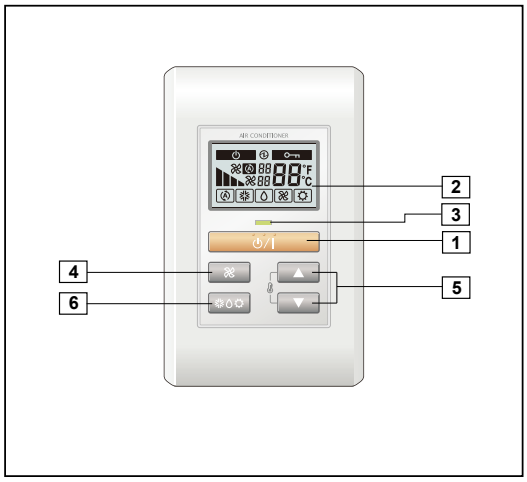
Can be mounted on the European switch Box (installation dimension: 60mm) or the JIS Built-in Box (installation dimension: 83.5mm).



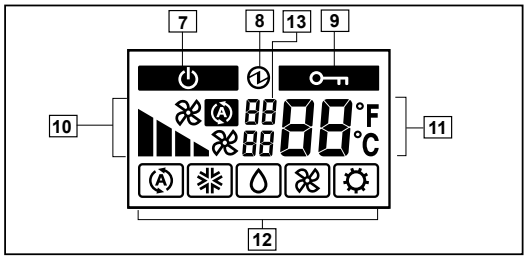


CONTROL SYSTEM

■ FUNCTIONS



Display panel



1 START/STOP button
Pressed to start and stop operation.

2 Display background light
Lights during operation.

3 Operation lamp
Lights during operation.

4 Fan control button
Selects the fan speed (AUTO, HIGH, MED, LOW).

5 Set temperature button
Selects the setting temperature.(18-30°C[COOL], 16-30°C[HEAT])

6 Operation mode button
Selects the operating mode (AUTO *1, COOL, DRY, FAN *2, HEAT *3).

7 Standby display
Indicates during the oil recovery and defrosting operation.

8 Power source display
Indicates the main power ON.

9 Central control display
Indicates when function is locked from Touch Panel Controller or System Controller.

10 Fan speed display

11 Set temperature
Indicates Error history number. *4
Indicates Indoor unit address. *5

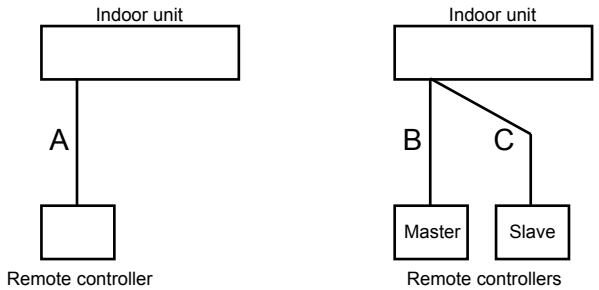
12 Operating mode display

13 (Upper) Indicates the error code *4 *6 / the refrigerant system address. *5
(Lower) Indicates the remote controller address. *4 *5 *6

*1 : "AUTO" is not available for a heat pump model unless it is set up master indoor unit.
*2 : "FAN" is not available for a heat pump model
*3 : "HEAT" is not available for a cooling only model
*4 : during Error code history display mode.
*5 : during address display mode.
*6 : during self Diagnosis mode.

■ SYSTEM DIAGRAM

● 1 remote controller ● 2 remote controllers

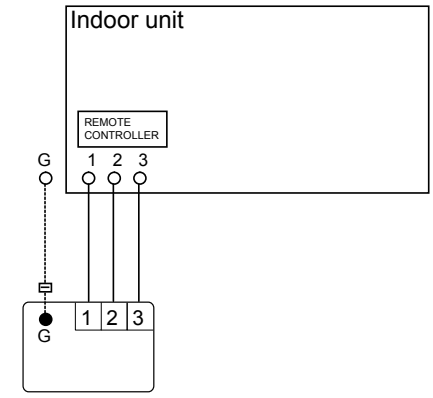


A , B , C : Remote controller cable.
Refer to 6-4-4 for detail specifications.
A ≦500m ; B+C ≦500m

CONTROL SYSTEM

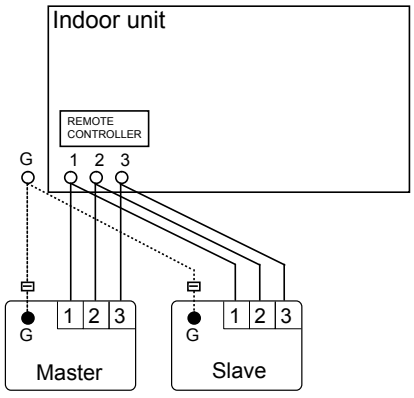
■ ELECTRICAL WIRING

● 1 remote controller



Remote controller

● 2 remote controllers

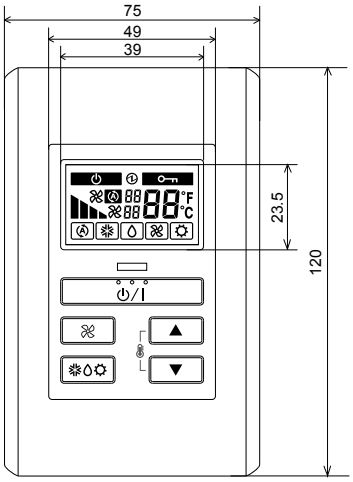


Remote controllers

1 (RED) : 12V
2 (WHITE) : Signal
3 (BLACK) : COM

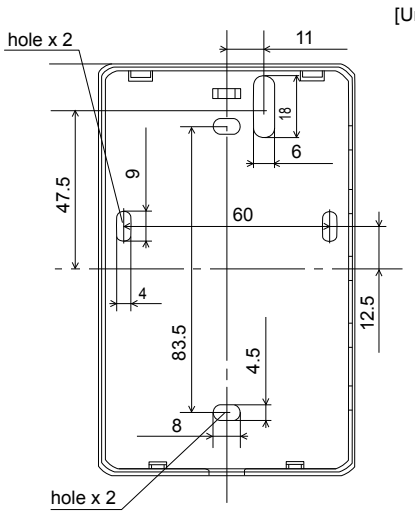
■ DIMENSIONS

[Unit : mm]



Front View

Side View



Rear View

■ PACKING LIST

Name and shape	Quantity	Application
Remote controller cable *7	10m	For connecting the remote controller (Exclude some models)
Screw (M4 x 16mm)	2	For installing the remote controller
Binder	1	For remote controller and remote controller cable binding
Installation manual	1	
Operating manual	1	

*7 : If necessary , use shielded cable (Field supplied) in accordance with the standard of the country.

■ WIRING SPECIFICATIONS

Use	Size	Wire type	Remarks
Remote controller cable	0.33mm^2	22AWG Polar 3core, Twisted pair	Use shield cable in accordance with local rules for cable

■ SPECIFICATIONS

Model name	UTY - RSK∗
Dimensions [H x W x D] (mm)	120 x 75 x 14
Weight (g)	90

CONTROL SYSTEM

5-2-6. SIMPLE REMOTE CONTROLLER (Without Operation mode)

■ MODEL : UTY - RHK∗

Note :
A part of function is limited. It is recommended to use it together with other type controller.

■ FEATURES

- Easy operation.
- Built-in Backgroud Light function.
- Easy installation with a slim shape with no bulge in the back.
- Error history.(Last 16 error codes can be accessed.)
- Up to 16 indoor units can be simultaneously controlled.
- Can be installed onto SW-BOX. (applies to European and other country's standard)
- Concentrates on the basic operations such as Start/Stop, Fan Control, and Temperature Setting.

● User-friendly operation

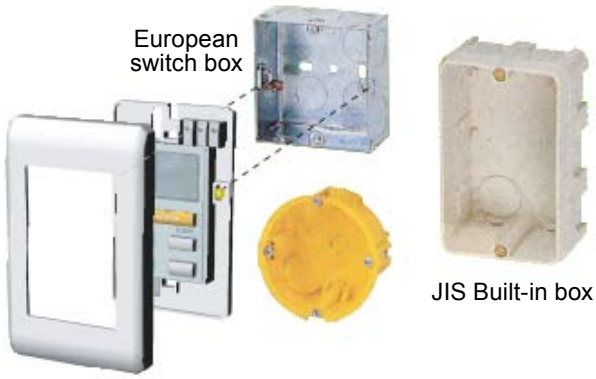
- Provides access to basic operations, such as Start / Stop, Fan speed and room temperature setting.
- A large Start / Stop button is provided in the centre of the remote controller unit for easy operation.
- Following an error display, diagnostics can be carried out on the controller.

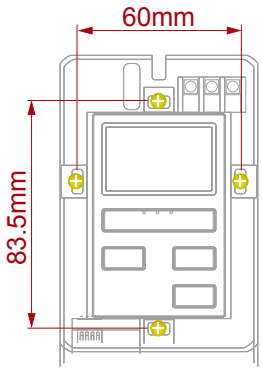
● Background light

- Background light enables easy operation in a darkened room.
- Background light activates during all button operations, and lasts 10 seconds in operating mode and 5 seconds in stop mode after a button is pressed.

● Simple installation

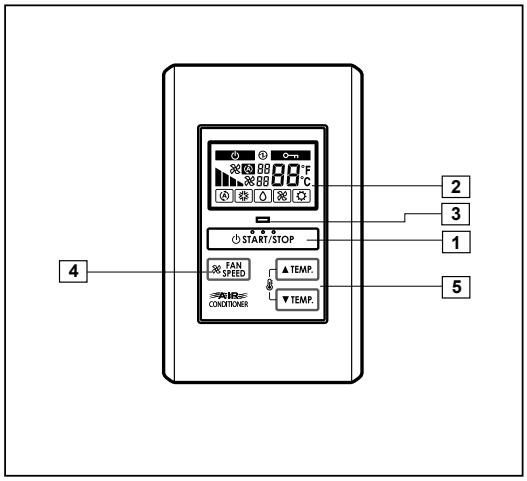
Can be mounted on the European Switch Box (installation dimension: 60mm) or the JIS Built-in Box (installation dimension: 83.5mm).



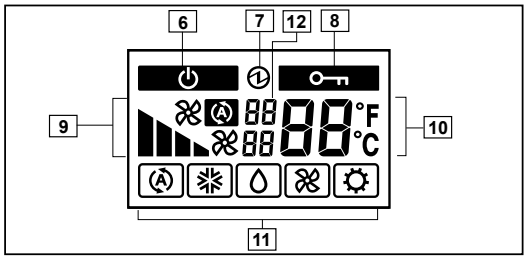


CONTROL SYSTEM

■ FUNCTIONS



Display panel



1 START/STOP button
Pressed to start and stop operation.

2 Display background light
Lights during operation.

3 Operation lamp
Lights during operation.

4 Fan control button
Selects the fan speed (AUTO, HIGH, MED, LOW).

5 Set temperature button
Selects the setting temperature.(18-30°C[COOL], 16-30°C[HEAT])

6 Standby display
Indicates during the oil recovery and defrosting operation.

7 Power source display
Indicates the main power ON.

8 Central control display
Indicates when function is locked from Touch Panel Controller or System Controller.

9 Fan speed display

10 Set temperature
Indicates Error history number. *1
Indicates Indoor unit address. *2

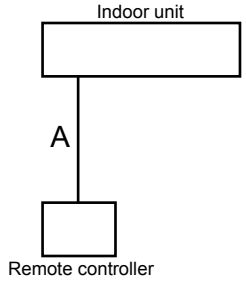
11 Operating mode display

12 (Upper) Indicates the error code *1, *3 / the refrigerant system address. *2
(Lower) Indicates the remote controller address. *1, *2, *3

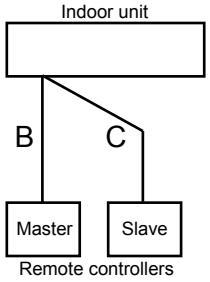
*1 : during Error code history display mode.
*2 : during address display mode.
*3 : during self Diagnosis mode.

■ SYSTEM DIAGRAM

● 1 remote controllers



● 2 remote controllers

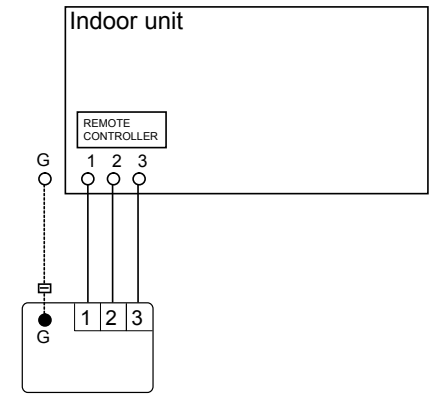


A , B , C : Remote controller cable. Refer to 6-4-4 for detail specifications.
A ≦500m ; B+C ≦500m

CONTROL SYSTEM

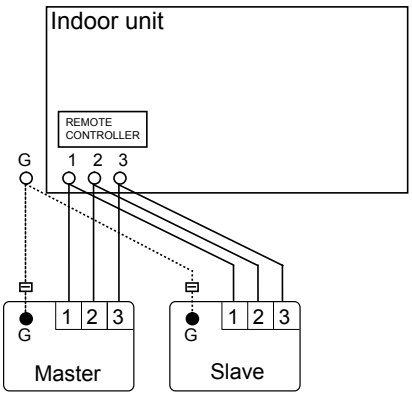
■ ELECTRICAL WIRING

● 1 remote controller



Remote controller

● 2 remote controllers

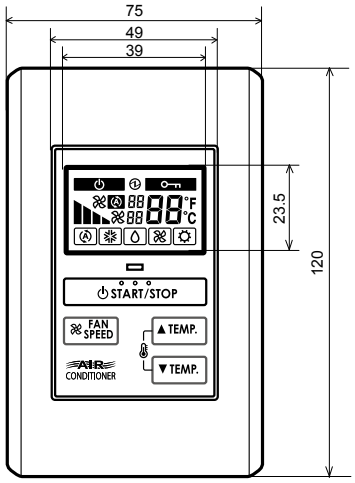


Remote controllers

1 (RED) : 12V
2 (WHITE) : Signal
3 (BLACK) : COM

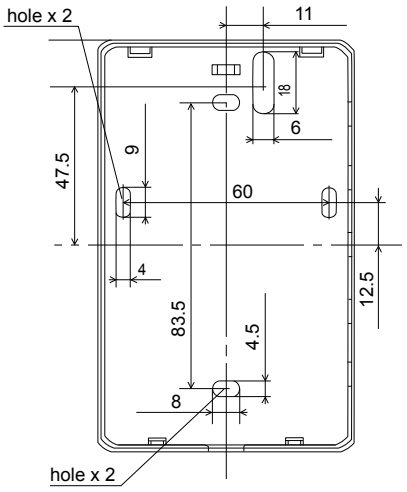
■ DIMENSIONS

[Unit : mm]



Front View

Side View



Rear View

■ PACKING LIST

Name and shape	Quantity	Application
Remote controller cable *4)	10m	For connecting the remote controller (Exclude some models)
Screw (M4 x 16mm)	2	For installing the remote controller
Binder	1	For remote controller and remote controller cable binding
Installation manual	1	
Operating manual	1	

*4 : If necessary , use shielded cable (Field supplied) in accordance with the standard of the country.

■ WIRING SPECIFICATIONS

Use	Size	Wire type	Remarks
Remote controller cable	0.33mm^2	22AWG Polar 3 core, Twisted pair	Use shield cable in accordance with local rules for cable

■ SPECIFICATIONS

Model name	UTY - RHK∗
Dimensions [H x W x D] (mm)	120 x 75 x 14
Weight (g)	90

CONTROL SYSTEM

5-2-7. WIRELESS REMOTE CONTROLLER

■ MODEL : UTY - LNH∗

■ FEATURES

- Four kinds of timer setup (ON / OFF / PROGRAM / SLEEP) are possible.
- Up to 16 indoor units connected within the remote controller group can be simultaneously controlled.
- Can be used jointly with wired remote controllers .
- Easy to change custom code (4 patterns).

● Built-in timers

Select from four different timer programs (On / Off / Program / Sleep).

● Program timer

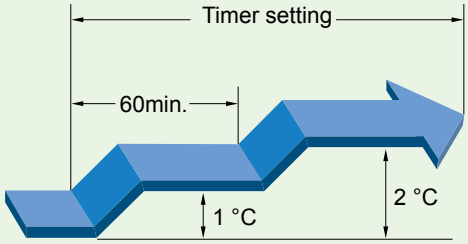
The program timer operates the ON and OFF timer once within a 24 hour period.

● Sleep timer

The sleep timer function automatically corrects the temperature thermostat setting according to the time setting to prevent excessive cooling and heating while sleeping.

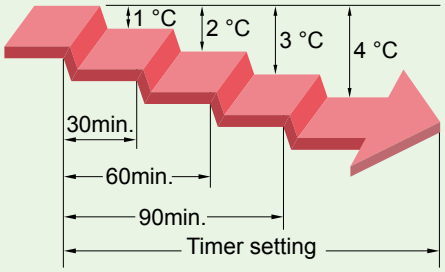
Cooling operation / dry operation

When the sleep timer is set, the set temperature automatically rises 1°C every hour. The set temperature can rise up to a maximum of 2°C.

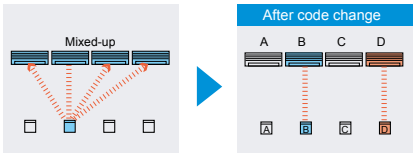


Heating operation

When the sleep timer is set, the set temperature automatically drops 1°C every 30 minutes. The set temperature can drop to a maximum of 4°C.



● Easy installation and operation

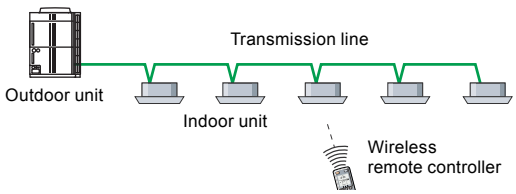


- Custom code is used for controlling right indoor unit. (Up to 4 codes can be set)

- Wide and precise transmitting range.

● System addressing

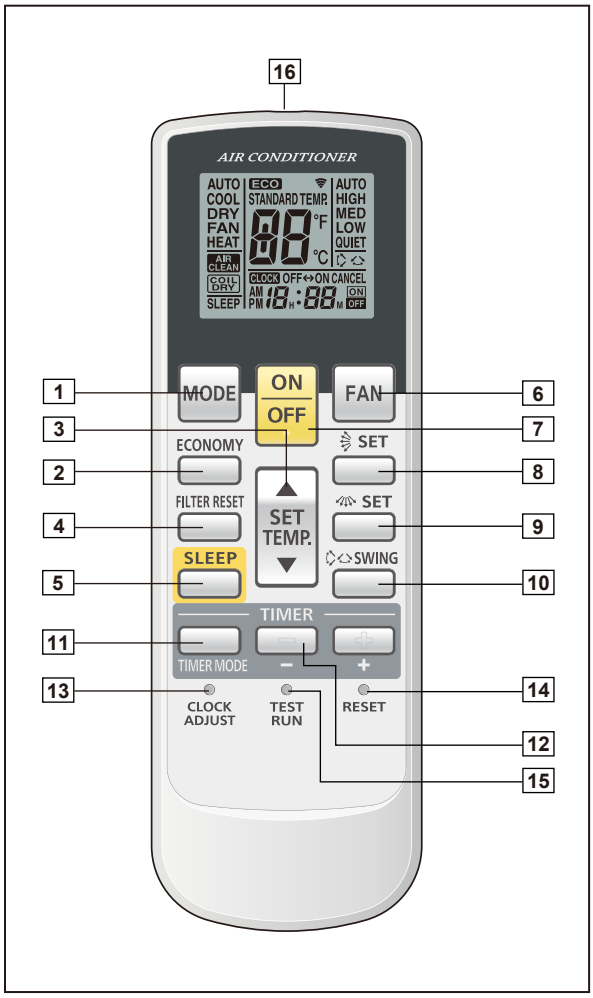
- During installation work, system addressing can be performed using the wireless remote controller, thus eliminating manual switch setting.



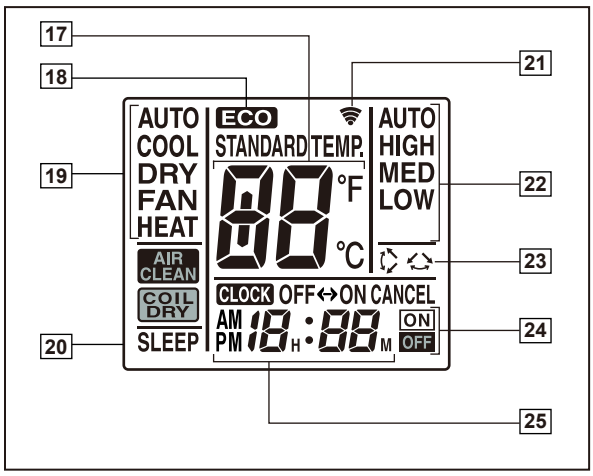
Note : Timer setting from a wireless remote controller becomes invaild, if the indoor unit is connected with a wired or a simple remote controller.

CONTROL SYSTEM

■ FUNCTIONS



Display panel



1 OPERATION MODE button
Selects the operating mode (AUTO, HEAT, FAN, COOL, DRY).
/Start / end R.C. custom code change. (Max 4 types)

2 Economy button

3 Set temp. button (▲ / ▼)
Set remote controller custom code buttons
Sets the indoor temp./ Sets R.C. custom code.

4 Filter reset button

5 Sleep button
Pressed to select sleep timer.

6 Fan button
Selects the fan speed (AUTO, LOW, MED, HIGH).

7 START/STOP button
Pressed to start and stop operation.

8 Set button (Vertical)
Air flow direction vertical set button.

9 Set button (Horizontal)
Air flow direction horizontal set button.

10 Swing button
Air flow direction swing button.

11 Timer mode button
Pressed to select the timer mode. (OFF TIMER, ON TIMER, PROGRAM TIMER, TIMER RESET)

12 Timer set (+ / -) button
Sets the current time and on-off time.

13 Clock adjust button
Sets the current time.

14 Reset button
Used when replacing batteries.

15 Test run button
Used when testing the air conditioner after installation.

16 Signal transmitter

17 Temperature set display

18 Economy display

19 Operating mode display

20 Sleep display

21 Transmit indicator

22 Fan speed display

23 Swing display

24 Timer mode display

25 Clock display

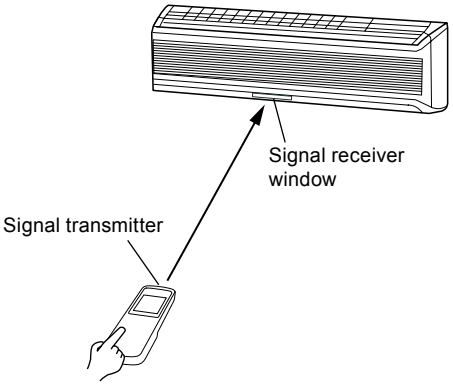
*1 : "AUTOⒶ" is not available for a heat pump model unless it is set up master indoor unit.

*2 : "FAN※" is not available for a heat pump model

*3 : "HEAT☼" is not available for a cooling only model

CONTROL SYSTEM

■ SYSTEM DIAGRAM

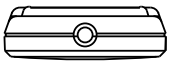


- Control signal might not be recognized in following cases:
  (i) A curtain or a wall, etc. exists between transmitter and receiver.
  (ii) There is an instant-start type (inverter type, etc.) fluorescent lamp in the room.
- Air conditioner might not work correctly when strong light hits the signal receiver window. Shut off the direct sunlight and also make illuminator far away from the receiver window.

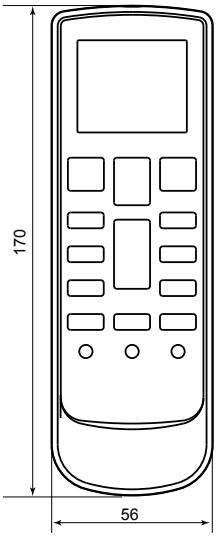
■ DIMENSIONS

(Unit : mm)

● Controller

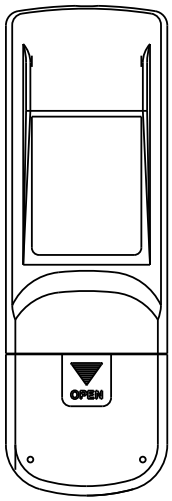


Top View



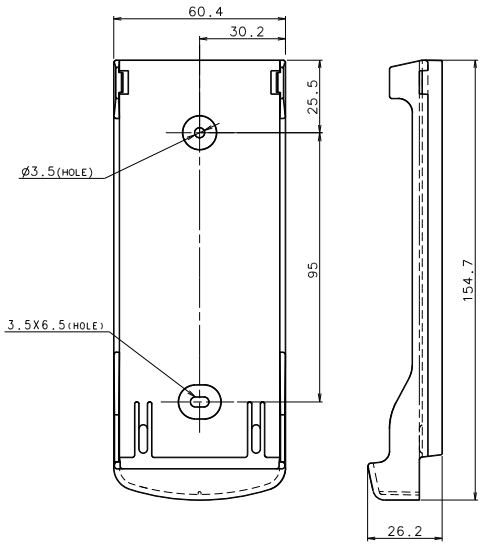
Front View

Side View



Rear View

● Holder



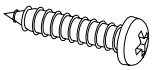
Front View

Side View

Bottom View

CONTROL SYSTEM

■ PACKING LIST

Name and shape	Quantity	Application
Installation manual	1	
Operating manual	1	
Remote controller holder	1	Use as remote controller holder
Screw (M3 x 12mm) 	2	For remote controller holder installation
Battery [1.5V (R03 / AAA)]	2	For remote controller

■ SPECIFICATIONS

Model name	UTY - LNH∗
Dimensions [H x W x D] (mm)	170 x 56 x 19
Weight (g)	85 (w/o batteries)

CONTROL SYSTEM

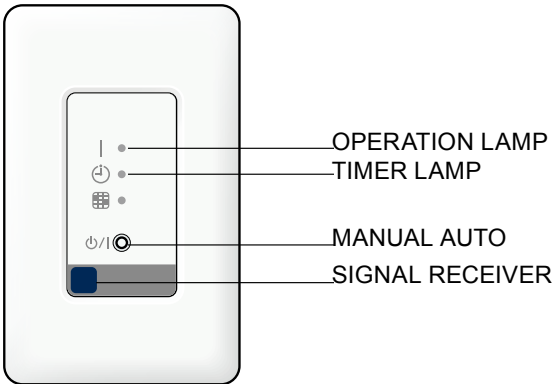
5-2-8. IR RECEIVER UNIT (for ALL DUCT TYPE)

■ MODEL : UTB - ∗WB

■ FEATURES

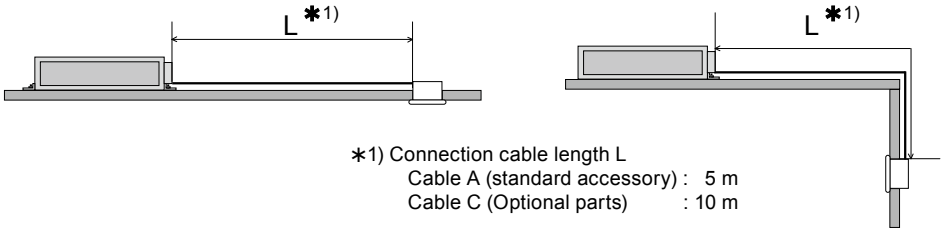
Duct type indoor unit can be controlled with wireless remote controller if the IR receiver unit is used.

■ FUNCTIONS



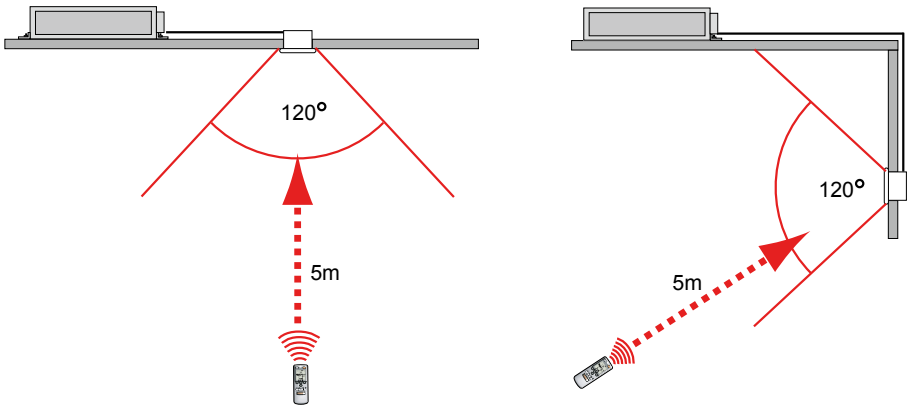
■ SYSTEM DIAGRAM

● ATTACHMENT RANGE



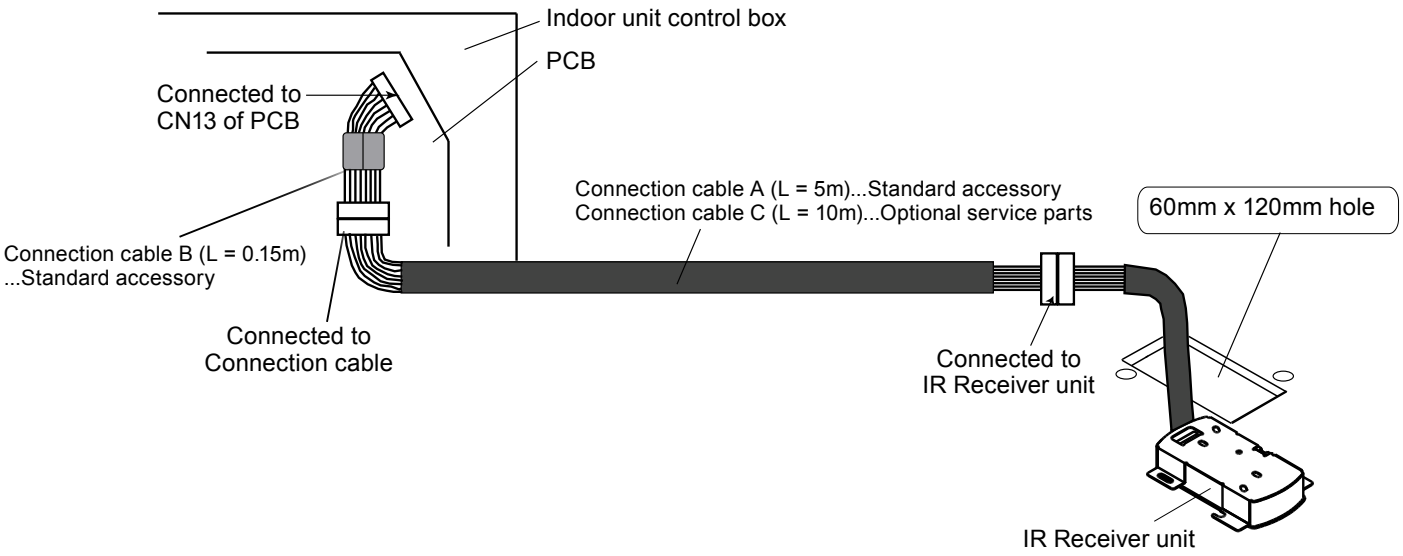
∗1) Connection cable length L
Cable A (standard accessory) : 5 m
Cable C (Optional parts) : 10 m

● SIGNAL ANGLE



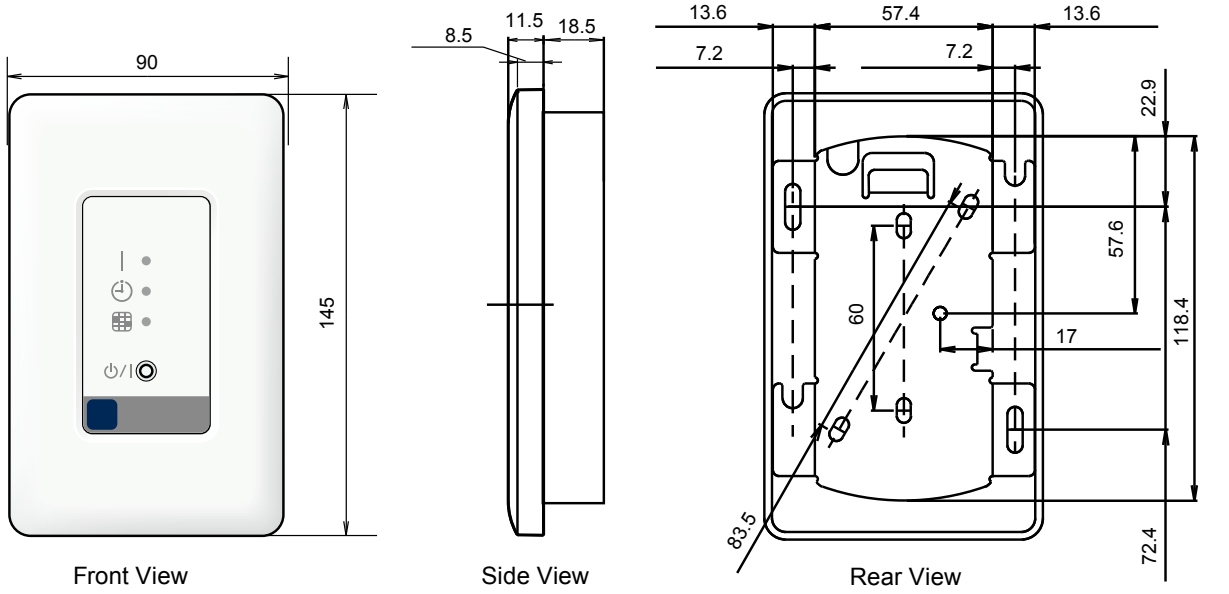
CONTROL SYSTEM

■ ELECTRICAL WIRING



■ DIMENSIONS

(Unit : mm)



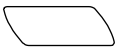
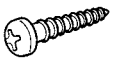
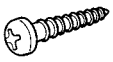
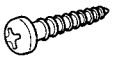
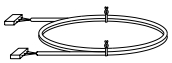
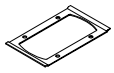
Front View

Side View

Rear View

CONTROL SYSTEM

■ PACKING LIST

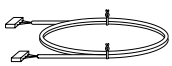
Name and shape	Quantity	Application
Installation manual	1	
Cover	1	For receiver unit
Insulation 	1	For receiver unit
Binder	Small:1 Medium:1	For receiver unit
Screw (M4 x 20mm) 	2	For installing receiver unit to wall, etc.
Screw (M4 x 12mm) 	1	For attaching the hook metal to the holder cover
Screw (M4 x 10mm) 	2	For attaching the hook metal to the indoor unit
Connection cable A (5m) 	1	For connecting PCB of indoor unit to receiver unit
Connection cable B (0.15m)	1	For connecting PCB of indoor unit to receiver unit
Hook metal	1	For installing receiver unit to indoor unit
Bracket (cover) 	1	For receiver unit

■ SPECIFICATIONS

Model name	UTB - ∗WB
Dimensions [H x W x D] (mm)	145 x 90 x 30
Weight (g)	150

■ OPTIONAL SERVICE PARTS

Please use the parts number shown below to order the cable from your sales representative.
Select shielded type conncetion cable in accordance with the standard of the country.

Name and shape	Type	Parts No.
Connection cable C (10m) 	Non-shielded	9378143012
	Shielded	9378143036

CONTROL SYSTEM

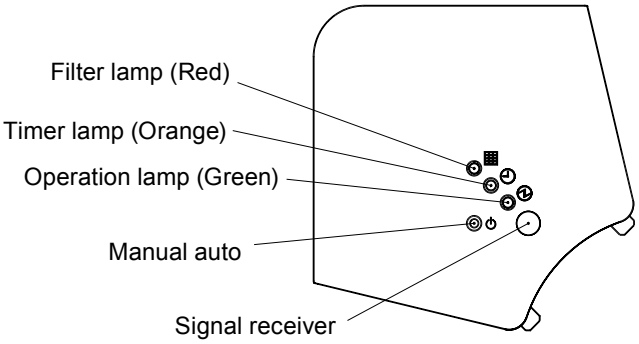
5-2-9. IR RECEIVER UNIT (for CASSETTE TYPE)

■ MODEL : UTY - LRH∗B1

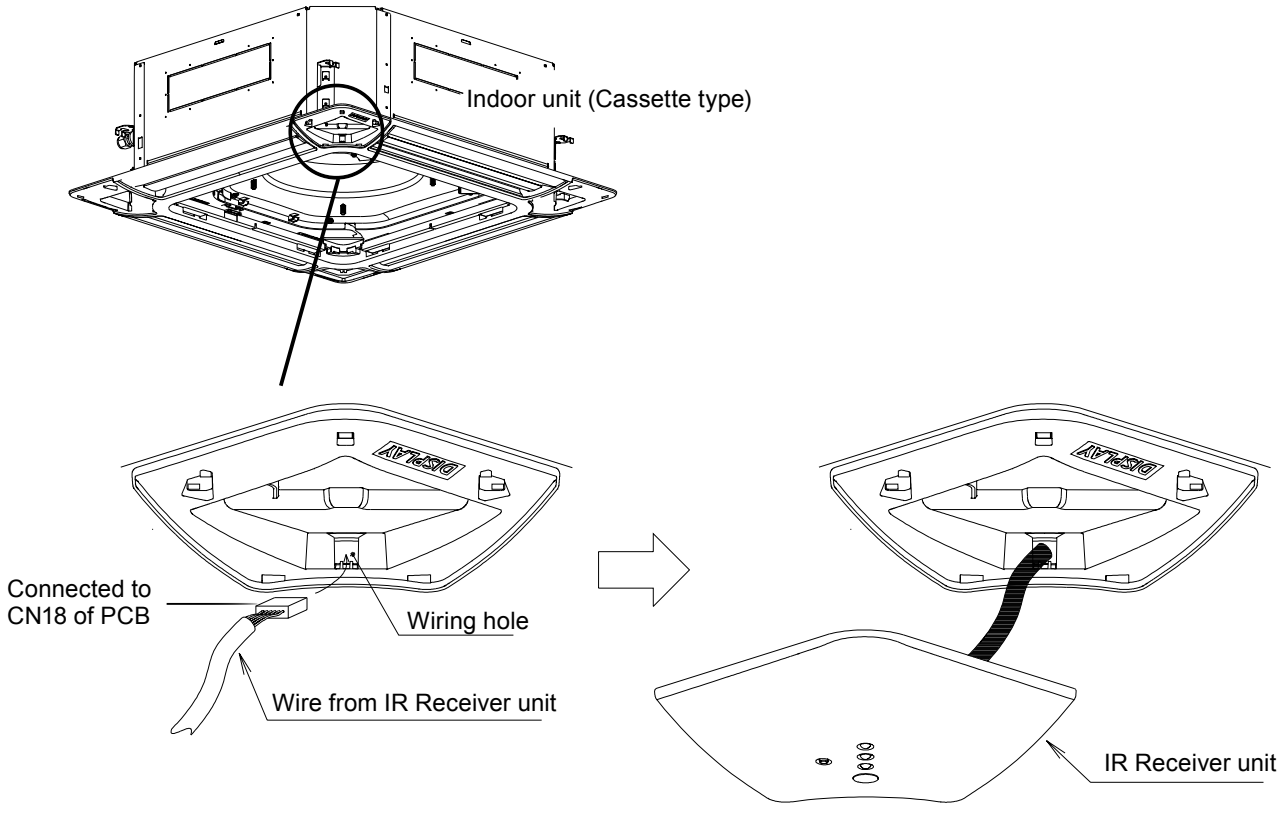
■ FEATURES

Cassette type indoor unit can be controlled with wireless remote controller if the IR receiver unit is used.

■ FUNCTIONS



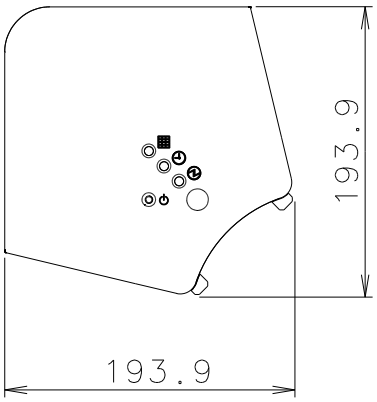
■ ELECTRICAL WIRING



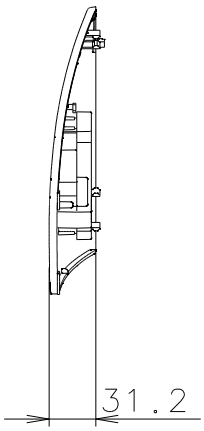
CONTROL SYSTEM

■ DIMENSIONS

(Unit : mm)



Front View



Side View

■ PACKING LIST

Name and shape	Quantity	Application
Installation manual	1	
Strap	1	Prevent receiver kit from falling down

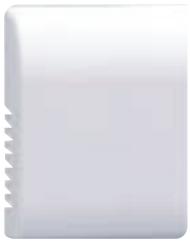
CONTROL SYSTEM

■ SPECIFICATIONS

Model name	UTY - LRH∗B1
Dimensions [H x W x D] (mm)	193.9 x 193.9 x 31.2
Weight (g)	140

5-2-10. REMOTE SENSOR UNIT

■ MODEL : UTD - RS100

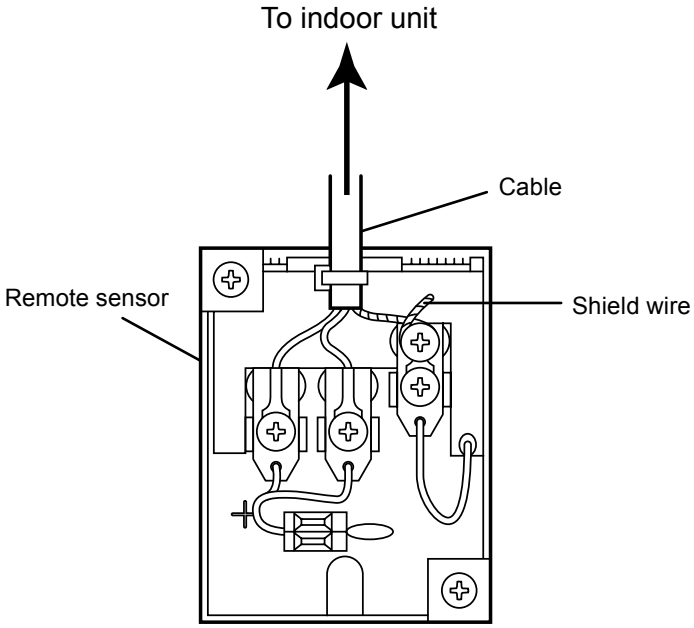


■ FEATURES

New amenity space can be offered by installing the Remote sensor.

■ ELECTRICAL WIRING

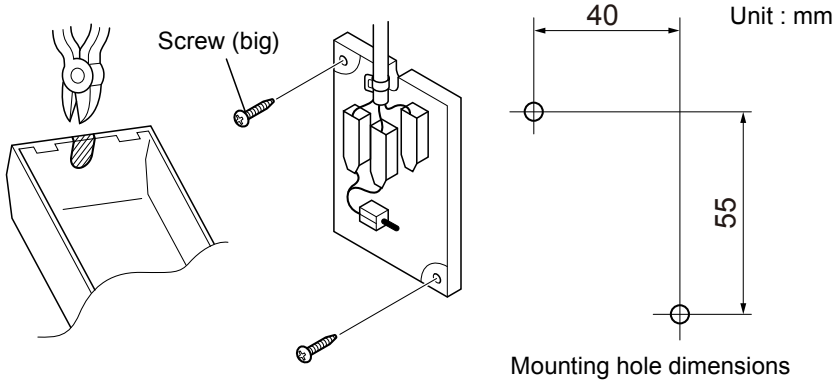
- Remove the screws from the remote sensor, and remove the cover.
- Connect the cable to the remote sensor as shown below.
- Ensure that the wires do not contact each other.



■ INSTALLATION

● When the cable is attached to the wall

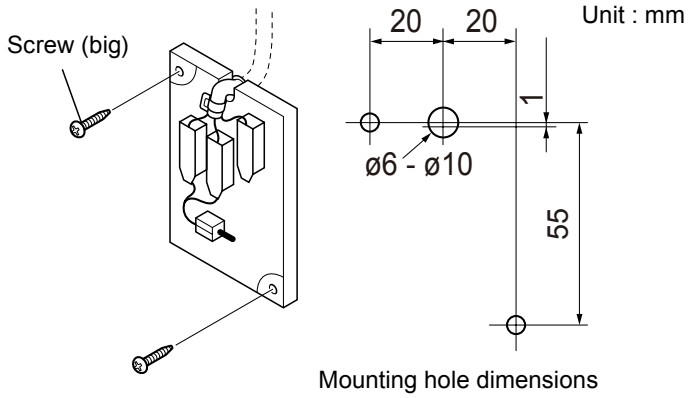
- Remove the material covering the wiring penetration (thin material) in the cover of the sensor unit with a pair of cutters. The cable passes through this hole.
- Now the remote sensor on the wall using the screws.



CONTROL SYSTEM

● When the cable is buried in the wall

- Remove the material (thinner than the surrounding material) in the wiring hole in the remote sensor using a pair of cutters.
- Drill a hole in the wall for the cable.
- Seal the area around the cable penetration with putty.



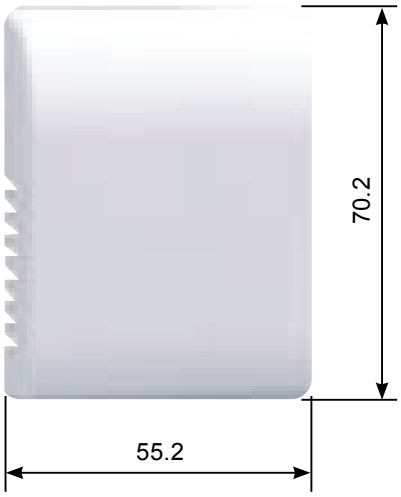
Mounting hole dimensions

● Finish

- Fit the cover on the remote sensor and screw it in place.

CONTROL SYSTEM

■ DIMENSIONS



■ PACKING LIST

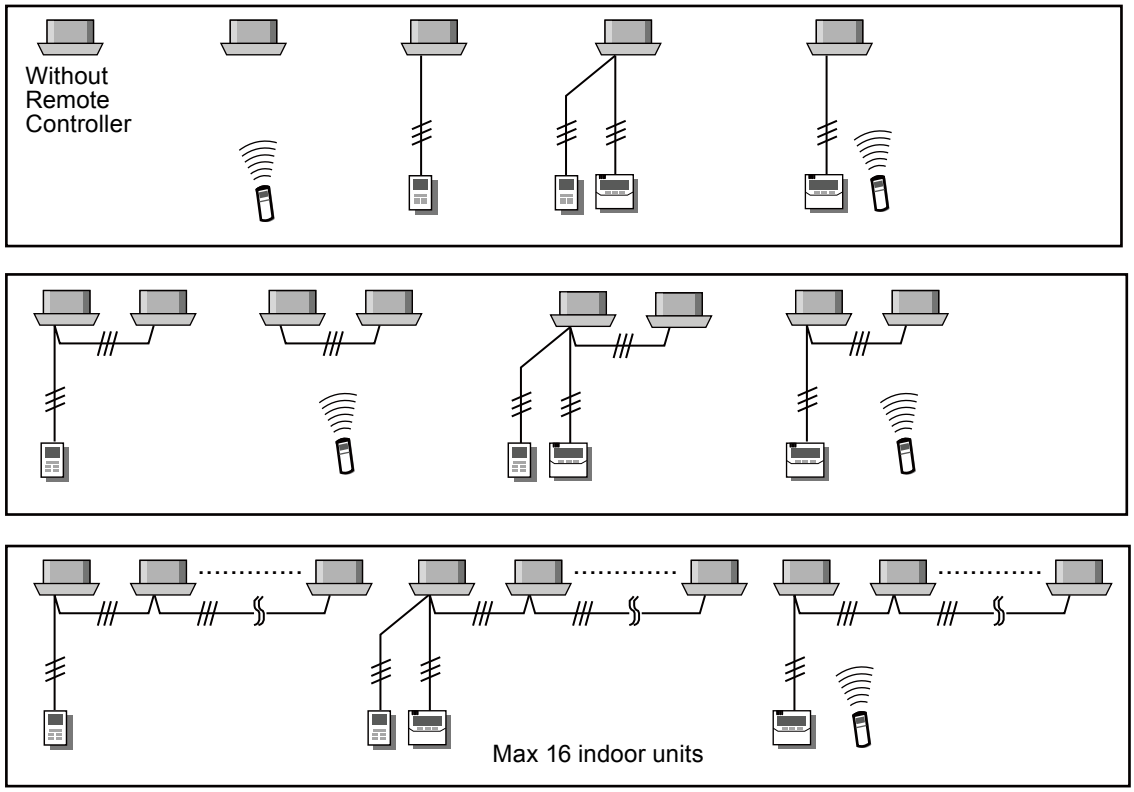
Name and shape	Quantity	Application
Installation manual	1	
Cable (10m)	1	
Screw (M4 x 16mm)	2	
Screw (M4 x 10mm)	2	
Cord clamp	1	

5-2-11. GROUP CONTROL METHOD

■ REMOTE CONTROLLER GROUP

Wired, Simple and Wireless Remote Controllers can be used jointly in the following combinations.

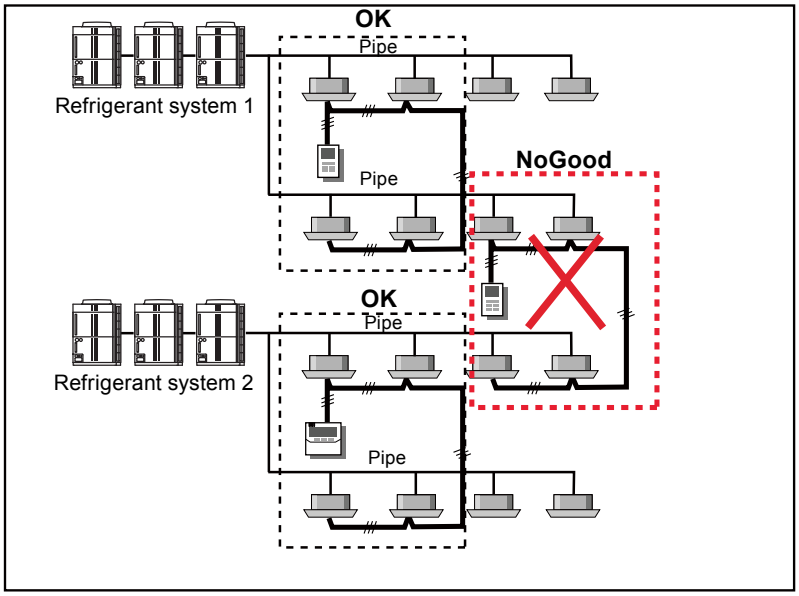
Example of combination for "Remote controller group"



Connectable indoor unit : 1-16
Connectable remote controller : 0 - 2

● Note

1. Indoor units in same remote controller group will be same operation.
2. "Remote controller group" spanning the refrigerant system is not allowed.



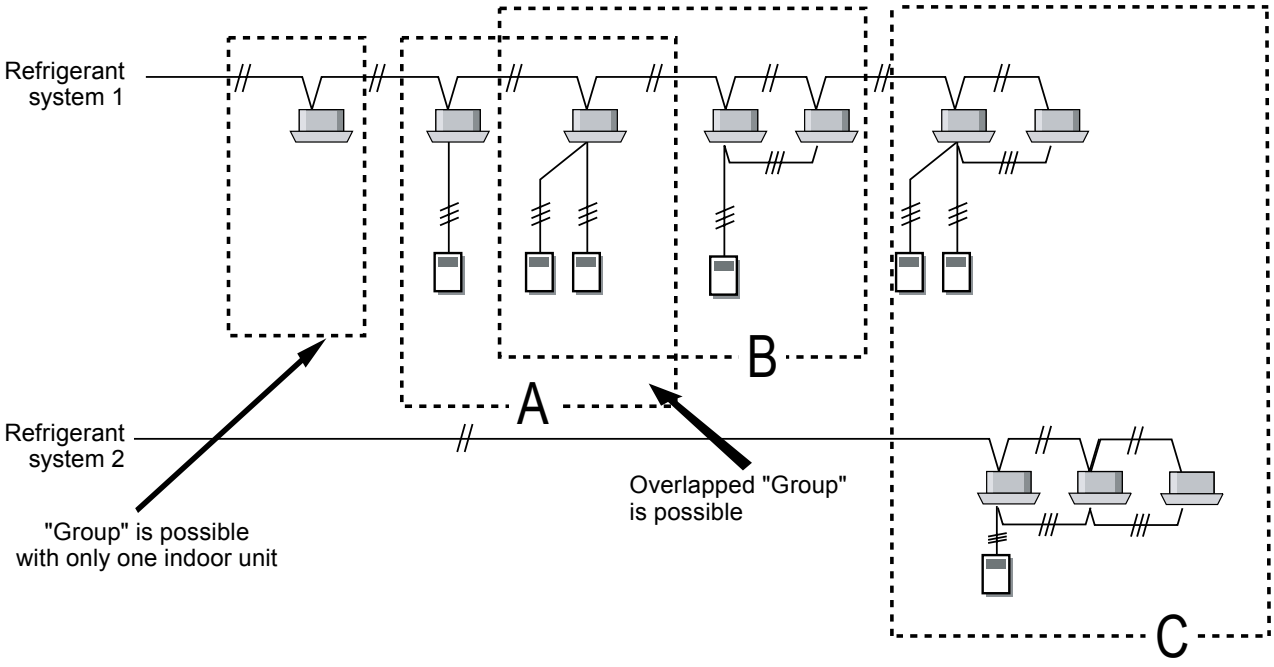
3. When using 2 remote controller.
   - Last command is priority. (operation mode might be fixed by system operation.)
   - Timer setting function become invalid from slave remote controller or Wireless Remote Controller.

CONTROL SYSTEM

■ GROUP

This function is used when operating a multiple number of remote controller group at a time from the System Controller or Touch Panel Controller.

Example of "Group"



- Operation of either A group or B group is possible.
- Simulataneous operation of A group and B group is possible. (Last setting has priority)
- As shown in drawing "C","Group" spanning the refrigerant systems is possible.
- System Controller can make each group title.

CONTROL SYSTEM

5-2-12. COMPARISON TABLE OF CONTROLLERS

■ LIST OF CONTROLLER FUNCTION

Item			System Controller (software)	Touch Panel Controller	Group Remote Controller	Wired Remote Controller	Simple Remote Controller	Simple *1 Remote Controller	Wireless Remote Controller
Model			UTY-APGX	UTY-DTG∗	UTY-CGG∗	UTY-RNK∗	UTY-RSK∗	UTY-RHK∗	UTY-LNH∗
Max. controllable remote controller groups			1600	400	8	1	1	1	1
Max. controllable indoor units			1600	400	96	16	16	16	16
Max. controllable groups			1600	400	-	-	-	-	-
Air conditioning control function	Start/Stop		●	●	●	●	●	●	●
	Operation mode setting		●	●	●	●	●	-	●
	Fan speed setting		●	●	●	●	●	●	●
	Room temp. setting		●	●	●	●	●	●	●
	Room temp. set point limitation		●	●	-	-	-	-	-
	Test operation		-	●	-	●	●	-	●
	Up / down air direction flap setting		●	●	-	●	-	-	●
	Right / left air direction flap setting		●	●	-	●	-	-	●
	Group setting		●	●	-	-	-	-	-
	RC prohibition		●	●	-	-	-	-	-
	Anti freeze setting		●	●	-	-	-	-	-
	Economy mode setting		●	●	-	●	-	-	●
Display	Failure		●	●	●	●	●	●	-
	Defrosting		●	●	-	●	●	●	-
	Current time		●	●	●	●	-	-	●
	Day of week		●	●	●	●	-	-	-
	RC prohibition		●	●	●	●	●	●	-
	Cooling / heating priority		●	●	●	●	●	●	-
	Address display		●	●	●	●	●	●	-
Timer	System schedule timer		●	●	-	-	-	-	-
		On / Off per day	72	20	-	-	-	-	-
		On / Off per week	504	140	-	-	-	-	-
	Weekly timer		-	-	●	●	-	-	-
		On / Off per day	-	-	2	2	-	-	-
		On / Off per week	-	-	14	14	-	-	-
	On / Off timer		-	-	-	●	-	-	●
	Sleep timer		-	-	-	-	-	-	●
	Program timer		-	-	-	-	-	-	●
	Day off		●	●	-	●	-	-	-
	Min. unit of timer setting (Minutes)		10	10	10	30	-	-	5
Control	Status monitoring system		●	●	-	-	-	-	-
	Electricity charge calculation		●	-	-	-	-	-	-
	Error history		●	●	●	●	●	●	-
	Emergency stop		-	●*2	-	-	-	-	-
	Control via internet		●	-	-	-	-	-	-
	E-mail notiffication for malfunction		●	-	-	-	-	-	-

*1 : "Operation mode" setting is not available for this model.

*2 : This function is available only through external input control.

CONTROL SYSTEM

5-3. ADAPTOR / CONVERTOR UNITS

The following types of convertors and adaptors are available.

- **Network Convertor (UTY-VGGX)**

  ① To be used for connecting single split type system with VRF network system
  (A change of DIP switch setting is necessary)

  ② To be used for connecting group remote controller(s) with VRF network system

- **Network Convertor for LonWorks® (UTY-VLGX)**

  For connection between VRF network system and a LonWorks® open network for management of small to medium-sized BMS.

- **Signal Amplifier (UTY-VSGX)**

  When the total length of transmission line exceeds 500m or the number of units exceeds 64, Signal amplifier will be necessary.

- **External Switch Controller (UTY-TEKX)**

  Air conditioner switching can be controlled by connecting other sensor switches.

CONTROL SYSTEM

5-3-1. NETWORK CONVERTOR

■ MODEL : UTY - VGGX

① To be used for connecting single split type system with VRF system
[A change of DIP switch setting is necessary]

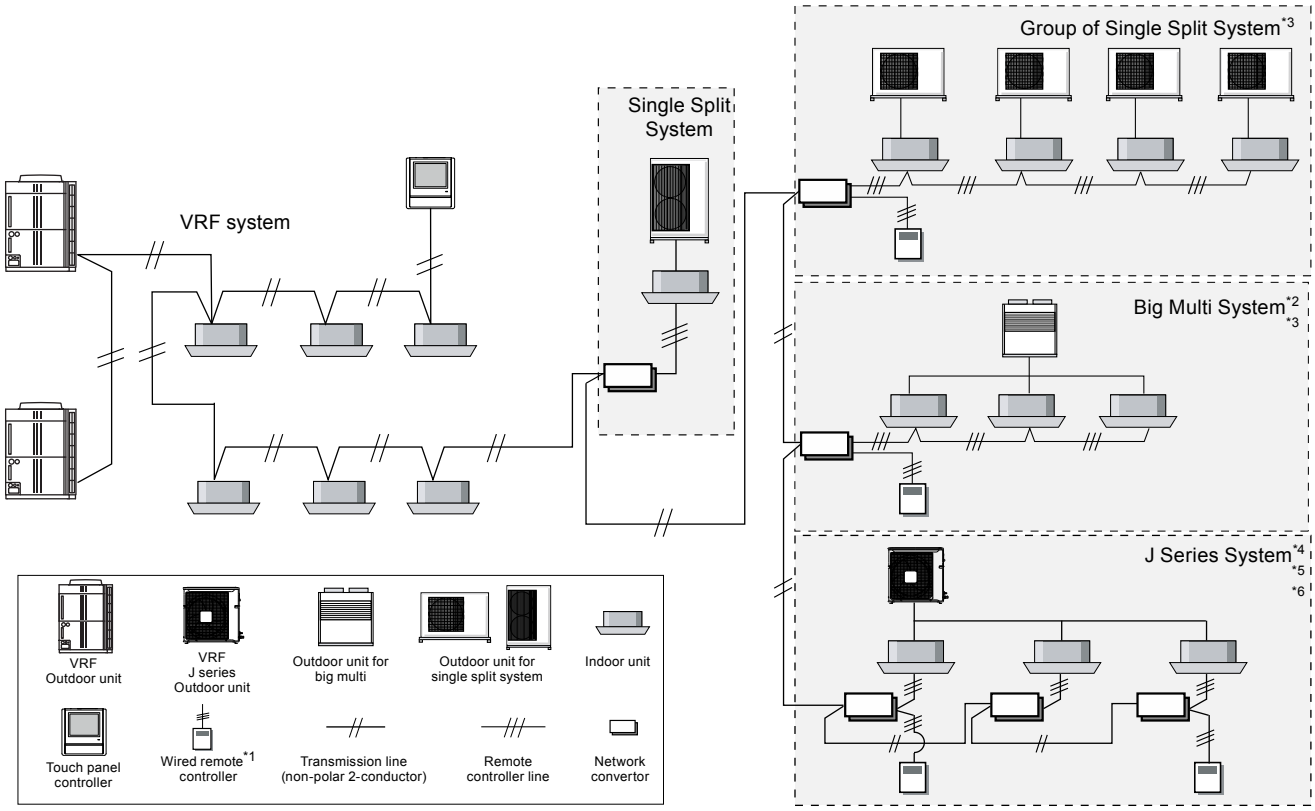
■ FEATURES

- With this network convertor, single split type, big multi type and J series air conditioners can be controlled by Touch panel controller, System controller in VRF network system or by wired remote controller that is connected to the Network convertor.
- Start/Stop, operation mode, temperature setting, fan speed, etc. can be done with these controllers.
- One Network convertor can be connected and controlled up to 16 indoor units.
- 2 wired remote controllers are possible for one network convertor.
- Up to 100 network convertors can be connected in one VRF network system. (One Network convertor is regarded as one refrigerant system. The total refrigerant systems in one VRF network system must be within 100.)

■ FUNCTIONS

●Start/Stop ●Temperature control ●Operation mode ●Timer setting
●Fan control ●Central control (Lock the remote controller functions)

■ SYSTEM DIAGRAM



*1 : When connecting an indoor unit that has an 'L' control method, connect the remote controller for VRF to control from a wired remote controller. Do not connect the wired remote controller included with the indoor unit.

*2 : Connect one big multi system to one network convertor. Don't connect two big multi system, or one big multi system and one single split system to one network convertor.

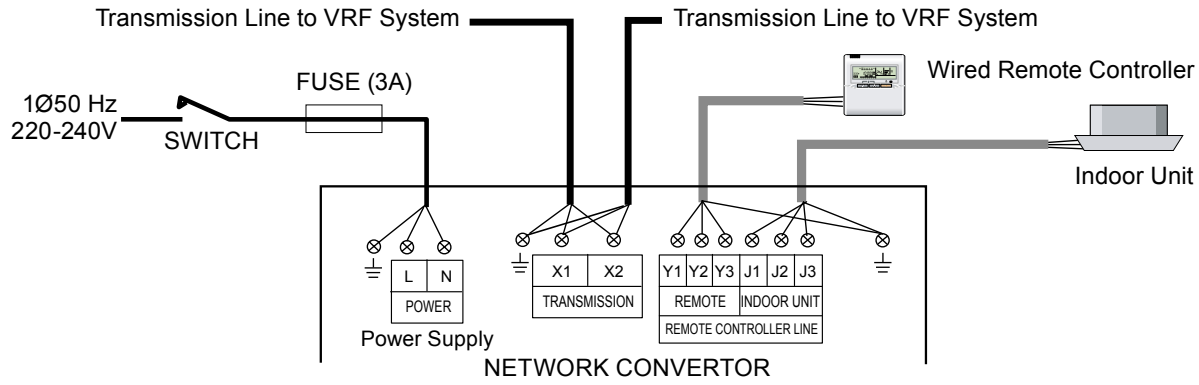
*3 : All indoor units connected to a network convertor are operating under same status.

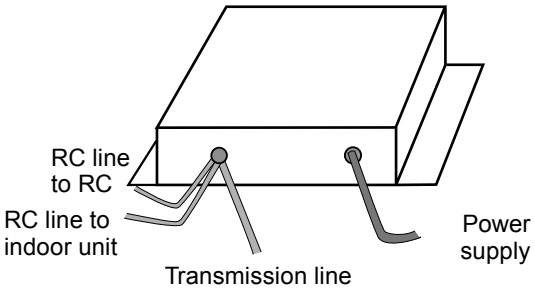
*4 : For controlling J series system, same operation mode should be used in same refrigerant system. When indoor unit is set in different operation mode via central control unit, indoor unit might be in stand by mode.

*5 : For using J series heat pump system, "AUTO" and "FAN" mode should not be used.

*6 : Network convertor is necessary for each indoor unit.

■ ELECTRICAL WIRING





Note :
- Do not bind the power cable and remote controller cable to avoid an erroneous operation.
- Use shield cable for transmission line and remote controller line. The shield metal should be grounded.
- Use ground wire to ground the network convertor.

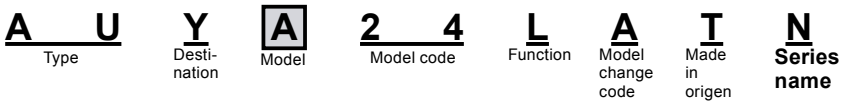
CONTROL SYSTEM

■ APPLICABLE MODELS

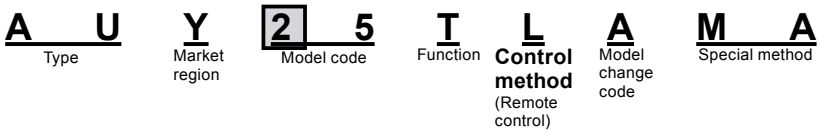
VRF J series		○
	Wireless Remote Controller model	×
Big Multi type	Simultanuous model	○
	Individual model	○
Single Split type		○
	Wired Remote Controller model	○
	Wireless Remote Controller model	×
Window type		×

● The following indoor unit models may be controlled from a network convertor. However, the indoor unit cannot be controlled if a wired remote controller cannot be connected to it.

1) When 4th letter is an alphabet, indoor unit models using the "N" or "U" Series name.



2) When 4th letter is a figure, indoor units models using the “L”, “U” or “F” Control method.



CONTROL SYSTEM

CONTROL SYSTEM

● When connecting an indoor unit that has an “L” control method, connect the remote controller for VRF (UTB-*U*, UTB-*R* and UTB-*P*) to control from a wired remote controller. Do not connect the wired remote controller included with the indoor unit.

● As the network convertor is not compatible with “Flow direction setting” (except for wired remote controllers), “Anti-freeze”, “Filter sign”, “Set temperature 10-15°C’ (except for models using the ”U” control method), ‘Room temperature detection location’ (except for models using the “U” control method), ‘Model name display’, and ‘Electricity charge calculation’, control and display are not possible with the controller units.

● For the indoor units that have an “L” control method, attached remote controller having an RC number giving in the table below can be used only.

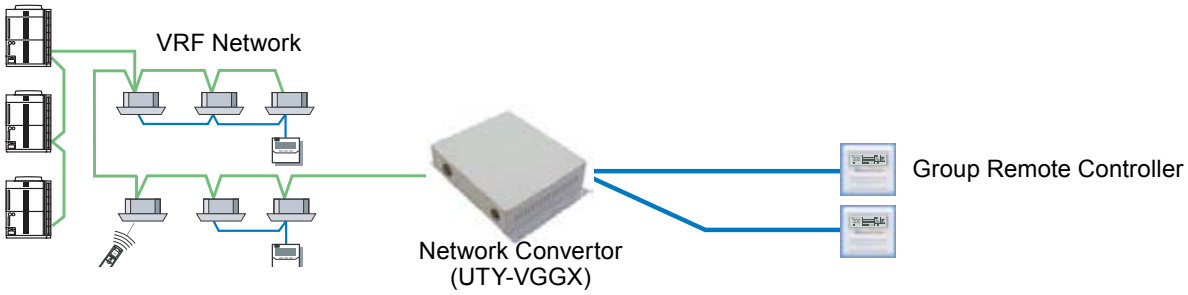
RC number	RC model
EZ-099DHSE-R, EZ-000DHSE-R, EZ-0001HSE-R, EZ-000GHSE-R, EZ-00004HSE-R, EZ-00005HSE-R, EZ-0015HSE-R, EZ-0019HSE-R, EZ-099DHSEFR, EZ-0001HSEFR, EZ-000DHSEFR, EZ-000GHSEFR, EZ-0015HSEFR	Weekly timer and heat pump model
EZ-0994HSE-R, EZ-000EHSE-R, EZ-0994HSEFR	Big multi and heat pump model
EZ-099CWSE-R, EZ-000AWSE-R, EZ-0001WSE-R, EZ-000FWSE-R, EZ-0012WSE-R, EZ-099CWSEFREZ-0001WSEFR, EZ-000AWSEFR	Weekly timer and cooling only model
EZ-09906WSE-R, EZ-000BWSE-R, EZ-09906WSEFR	Big multi and cooling only model

② **To be used for connecting group remote controller(s) with VRF system**

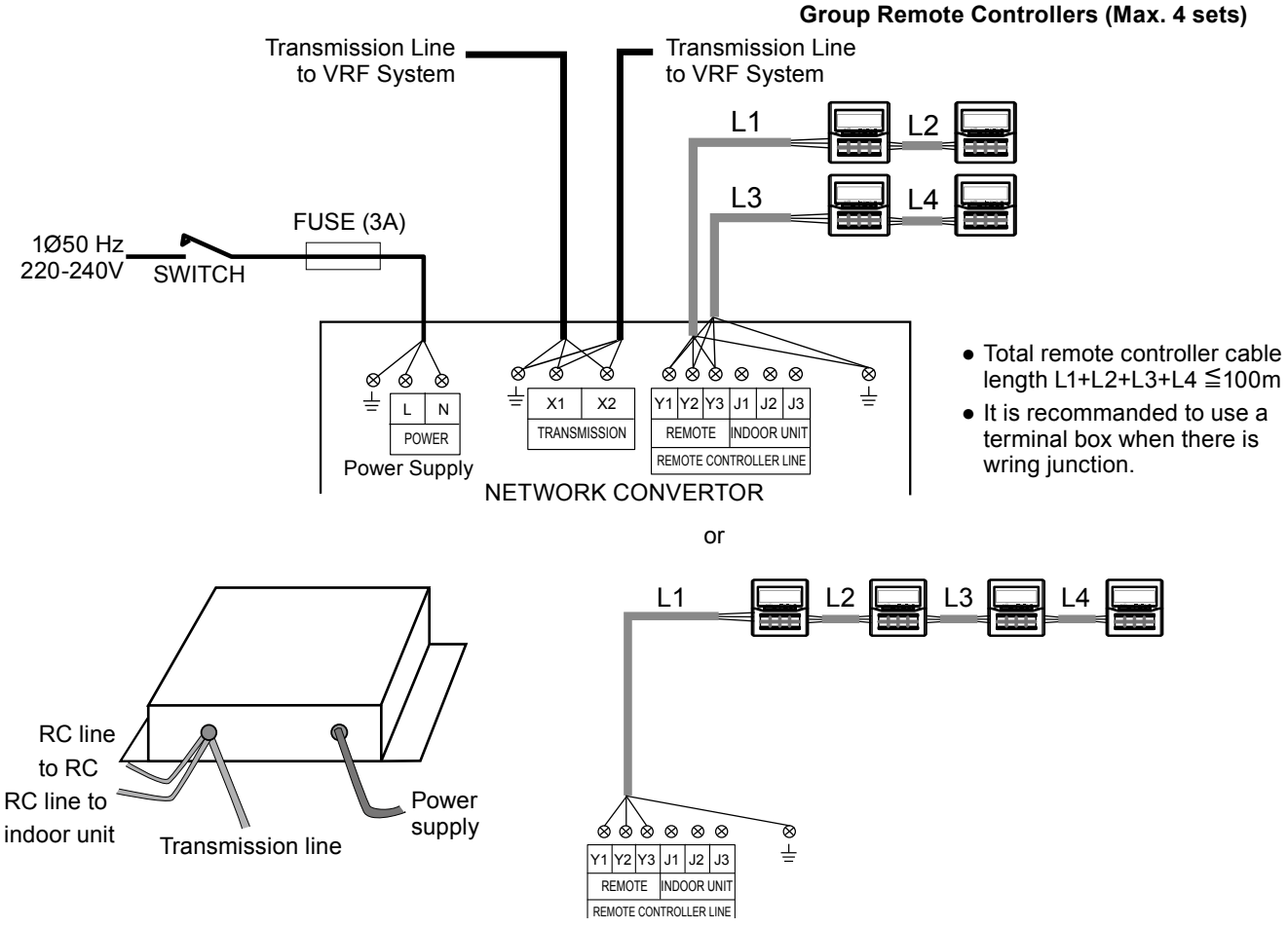
■ FEATURES

- Up to a total of 16 network convertors and Touch panel controller can be connected in one VRF network system.
- Four group remote controllers can be connected to one network convertor.
- Two refrigerant systems can be covered by one network convertor.

■ SYSTEM DIAGRAM



■ ELECTRICAL WIRING



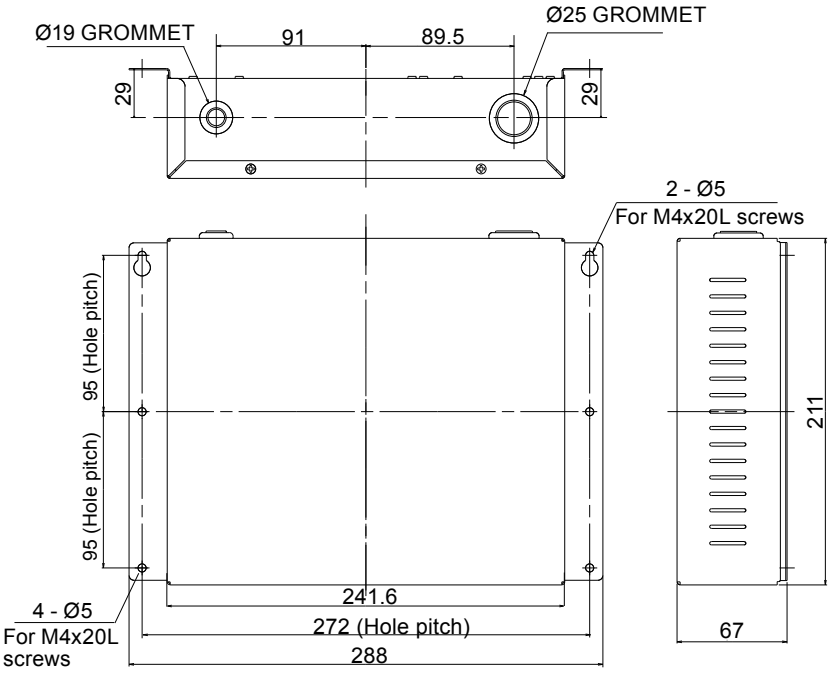
- Total remote controller cable length L1+L2+L3+L4 ≦100m
- It is recommanded to use a terminal box when there is wring junction.

Note :

- Do not bind the power cable and remote controller cable to avoid an erroneous operation.
- Use shield cable for transmission line and remote controller line. The shield metal should be grounded.
- Use ground wire to ground the network convertor.

■ DIMENSIONS

(Unit : mm)



■ PACKING LIST

The following installation parts are supplied. Use them as required.

Name and shape	Quantity	Application
Installation manual	1	
Binder	4	For mounting the power supply cable, remote controller cable and transmission cable.
Screw (M4 x 20mm)	4	For mounting the network convertor.

■ WIRING SPECIFICATIONS

Use	Size		Wire type	Remarks
Power supply cable	Maximum	1.25mm^2	245 IEC 57 or equivalent	1 ø AC220 - 240 V 50/60Hz, 2 Wire + ground (Always ground the unit)
	Minimum	0.5mm^2		
Transmission cable	0.33mm^2		22AWG LEVEL4 (NEMA) non-polar 2 core, twisted pair solid core Shielded	LONWORKS® compatible cable
Remote controller cable	0.33mm^2		22AWG Polar 3core, Twisted pair	Use shield cable in accordance with local rules for cable
External input / output cable	0.33mm^2		22AWG Polar 2core, Twisted pair	
Fuse capacity	3A			

■ SPECIFICATIONS

Power supply		1ø AC220 - 240V 50/60Hz
Power comsumption (W)		6.5
Temperature(°C)	Operating	0 to 46
	Packaged	-10 to 60
Humidity (%)	Packaged	0 to 95 (RH) ; No condensation
Dimensions (H x W x D) (mm)		67 x 288 x 211
Weight (g)		1500

CONTROL SYSTEM

5-3-2. NETWORK CONVERTOR FOR LONWORKS®

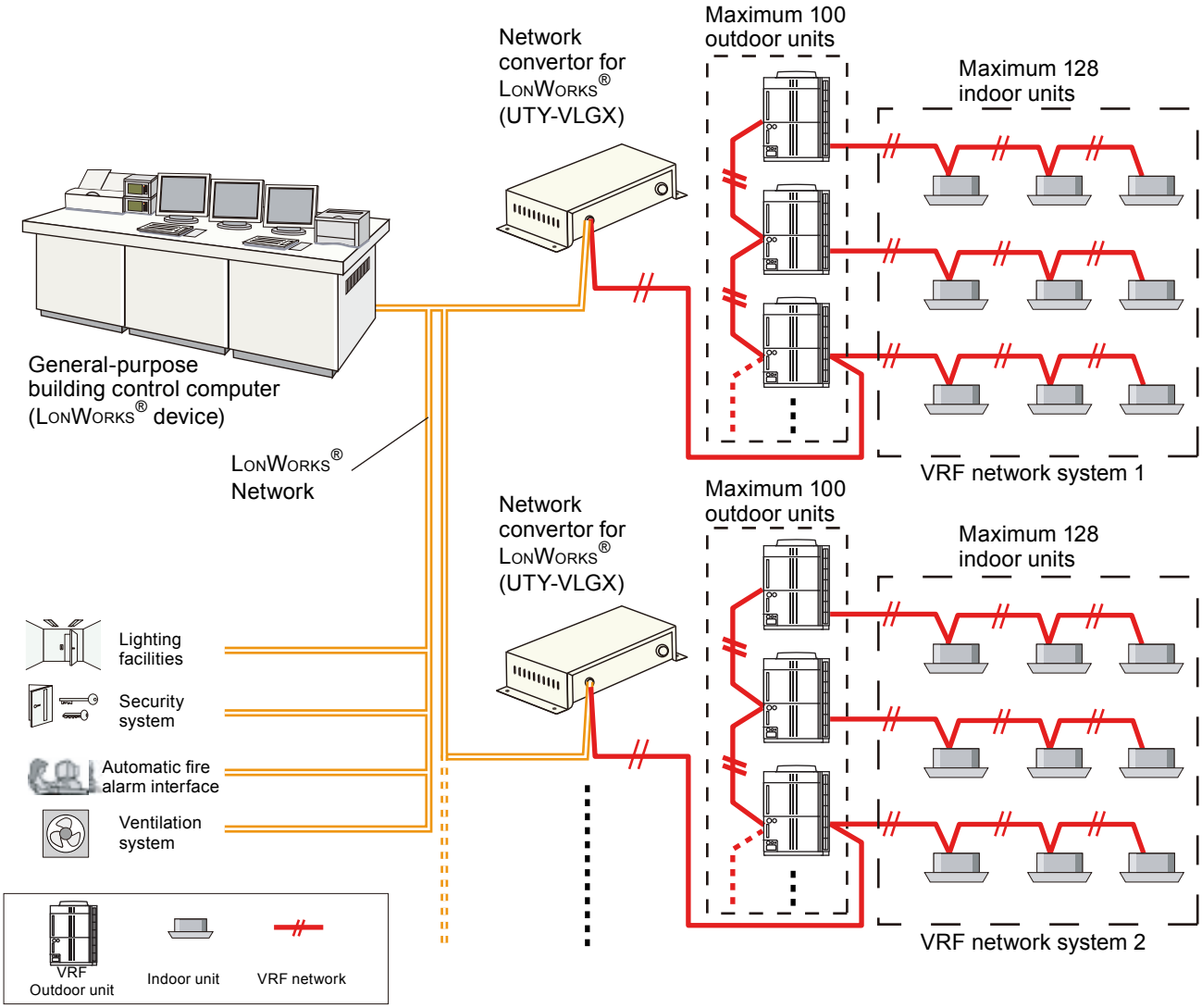
■ MODEL : UTY - VLGX

■ FEATURES

- The convertor for connecting VRF network system to the BMS system built by LONWORKS® open network, for manage small to medium sized BMS and VRF network system.
- A maximum of 128 indoor units can be connected to one Network Convertor for LONWORKS®.
- VRF system can be centrally controlled or monitored from BMS via UTY-VLGX.

■ SYSTEM DIAGRAM

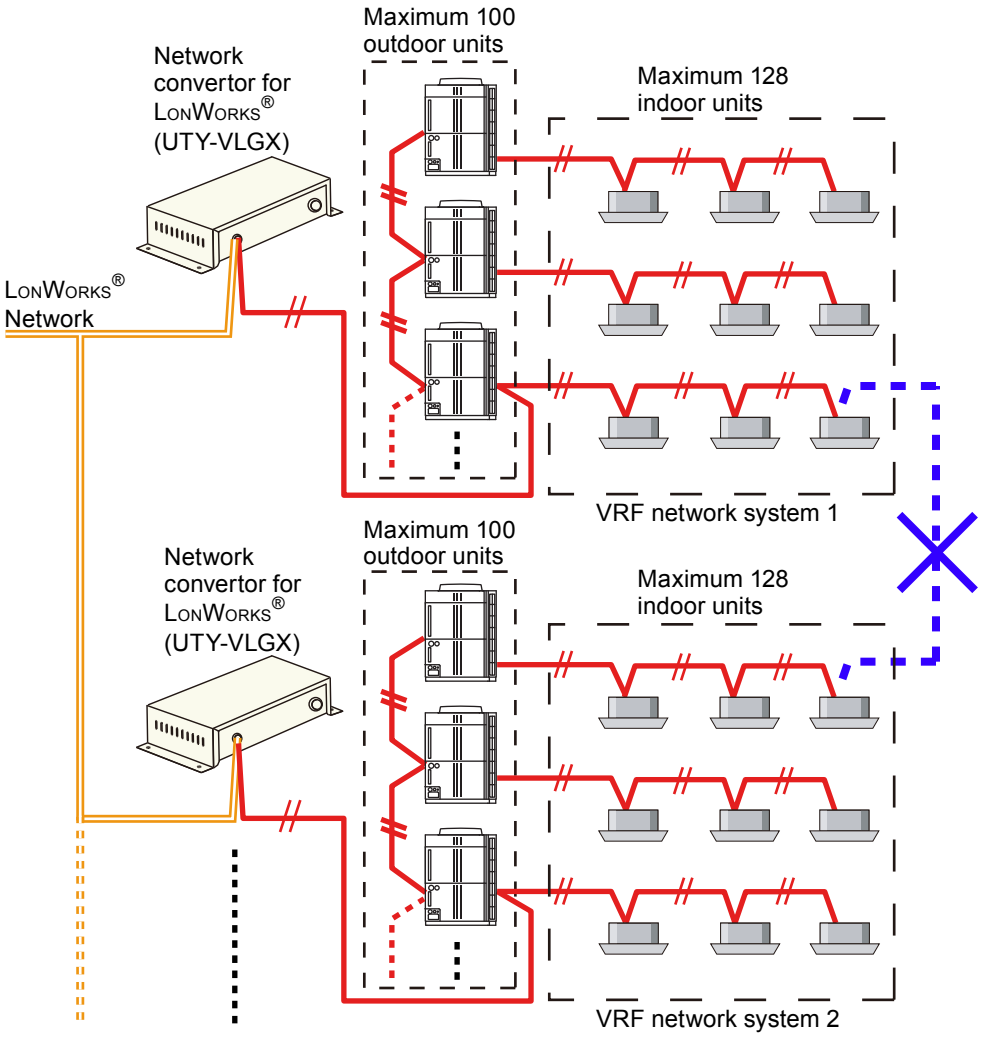
● Proper system diagram



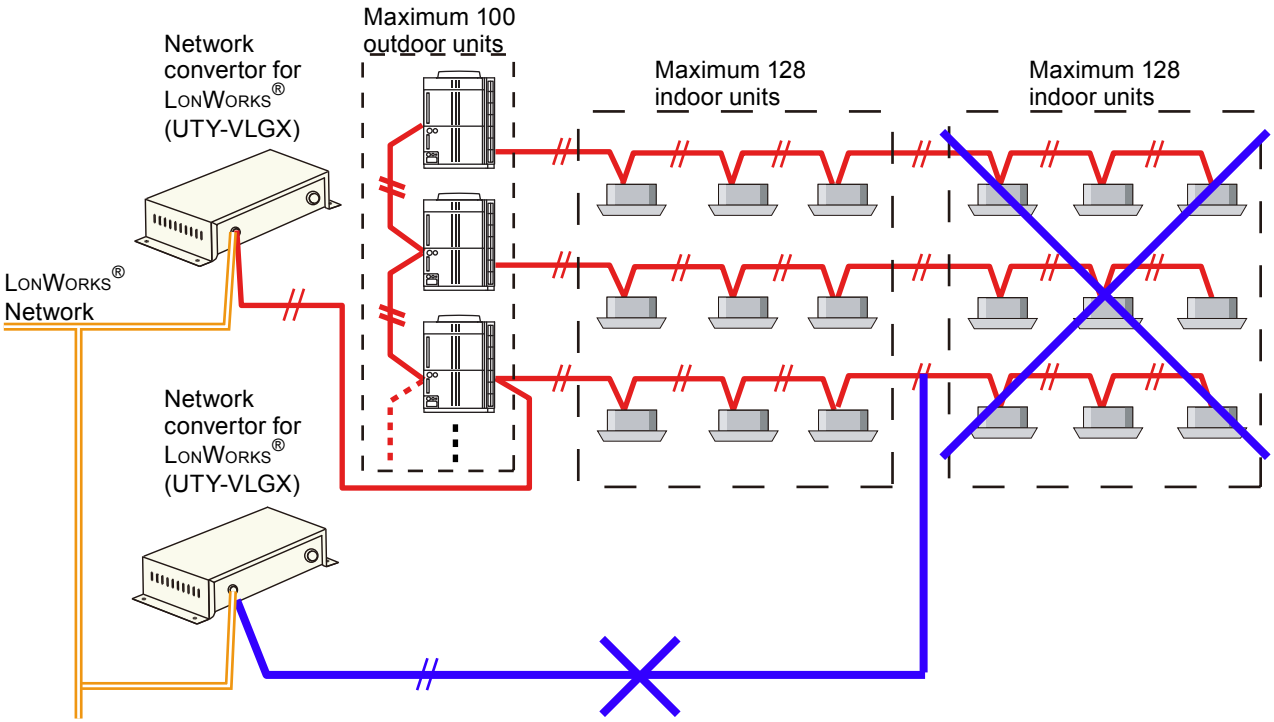
CONTROL SYSTEM

● Improper system diagram

● Example 1 (Not Good)



● Example 2 (Not Good)



■ FUNCTIONS

● Indoor unit control

● Individual control

Commands from LonWorks® Network are sent to the respective indoor units. (LonWorks® Network → respective indoor units of VRF Network)

● Batch control

Commands from LonWorks® Network are sent to all indoor units connected to VRF Network. (LonWorks® Network → All indoor units of VRF Network)

● Indoor unit status monitoring

Indoor unit status is communicated to the LonWorks® Network in the form of LON® Network variables. (LonWorks® Network ← All indoor units of VRF Network)

CONTROL SYSTEM

■ CONTROL AND MONITORING ITEMS

Note: For detail information, please check the Interface Specification.

Item	Function	Description
Indoor Unit Control (Individual / Batch)	ON/OFF Command	Start / Stop operation
	Operation Mode Setting	Cooling / Heating / Auto / Fan / Dry
	Temperature Setting	Set room temperature
	Airflow Mode Setting	Set airflow
	Set Point Temperature Limit Setting	Set room temperature upper limit (for cooling mode) & room temperature lower limit (for heating mode)
	Thermostat Off setting	Thermostat off (Only one controller in VRF Network System can do this)
	Centrally Control (Filter Reset)	Prohibition of filter sign reset of remote controller
	Centrally Control (All Mode)	Prohibition of all mode of remote controller
	Centrally Control (Timer Mode)	Prohibition of timer mode of remote controller
	Centrally Control (Set Temperature Mode)	Prohibition of set temperature mode of remote controller
	Centrally Control (ON/OFF Mode)	Prohibition of ON/OFF mode of remote controller
	Centrally Control (ON Mode)	Prohibition of ON mode of remote controller
	Centrally Control (Operation Mode)	Prohibition of operation mode of remote controller
Indoor Unit Control (Individual)	Filter Sign Reset	Set filter sign reset command
	Antifreeze Setting	Set antifreeze command
	Energy Save Mode Setting	Set energy save command
Indoor Unit Control (Batch)	Emergency STOP Setting	Set Emergency STOP command
	Time Setting	Set time setting command (The controllers those are connected in VRF Network System are an object)
Indoor Unit Monitoring (Individual)	ON/OFF Status	ON / OFF status
	Operation Mode Setting Status	Heating / Cooling / Auto / Fan / Dry mode status
	Temperature Setting Status	Room set temperature status
	Airflow Mode Setting Status	Airflow mode status
	Set Point Temperature Limit Status	Room set temperature limit status
	Thermostat Off Setting Status	Thermostat off set value status
	Centrally Control (Filter Reset) Status	Remote controller filter reset prohibition status
	Centrally Control (All Mode) Status	Remote controller all mode prohibition status
	Centrally Control (Timer Mode) Status	Remote controller timer mode prohibition status
	Centrally Control (Set Temperature) Status	Remote controller set temp. prohibition status
	Centrally Control (ON/OFF) Status	Remote controller ON / OFF prohibition status
	Centrally Control (ON) Status	Remote controller ON prohibition status
	Centrally Control (Operation) Status	Remote controller operation prohibition status
	Antifreeze Setting Status	Antifreeze set status
	Energy Save Mode Setting Status	Energy save mode set status
	Filter Sign Reset Status	Filter sign reset status
	Room Temperature Status	Room temperature status
	Alarm Code Status	Only one Alarm Code status can be monitored
	Operation Mode restriction Status	Restriction item (*1) can be monitored
Indoor Unit Monitoring (Batch)	Maintenance Mode Status	Maintenance status
	Emergency STOP Setting Status	Emergency STOP setting status
Outdoor Unit Monitoring (Individual)	Alarm Code Status	Alarm code status
Convertor Unit Monitoring (Individual)	Alarm Code Status	Alarm code status

*1: All operation setting, Timer setting, Room temperature setting, Operation mode setting, ON/OFF operation, Filter reset operation, On operation setting.

CONTROL SYSTEM

■ SPECIFICATIONS

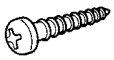
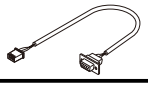
● Operating environmental specifications

Power supply		1ø AC220 - 240V 50/60Hz
Power comsumption (W)		4.5
Temperature(°C)	Operating	0 to 46
	Packaged	-10 to 60
Humidity (%)	Packaged	0 to 95 (RH) ; No condensation
Dimensions (H x W x D) (mm)		67 x 288 x 211
Weight (g)		1500

● Transmission specifications

LonWorks® network	
Transmission speed	78kbps
Transceiver	FT-X1 (Echelon® Corporation)
Transmission way form	Free topology
Cable	Twisted pair cable (shield)
	22AWG Equivalent
Network connector	One terminal
Terminal resistor	None attachment (It attaches at the terminal of a network)

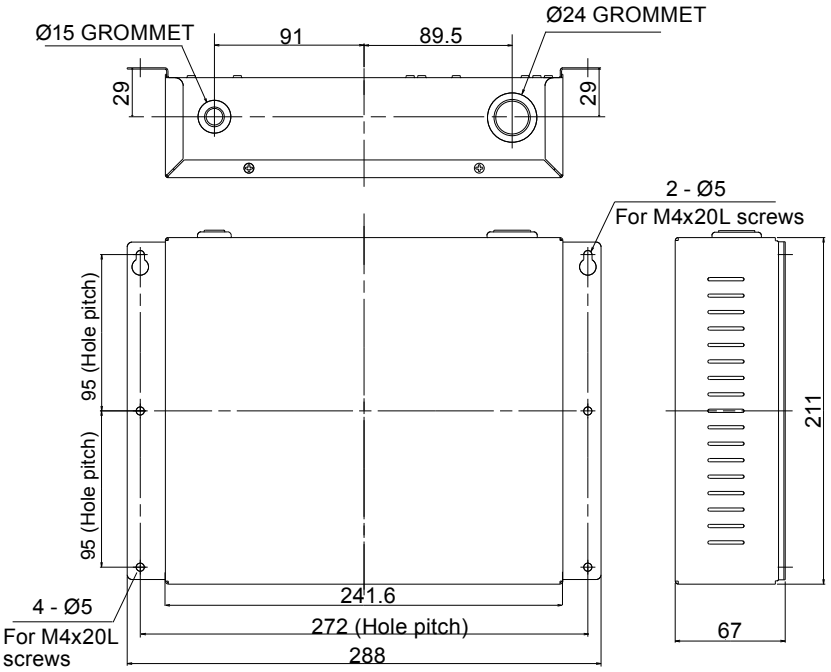
■ PACKING LIST

Name and shape	Quantity	Application
Installation manual	1	Use during installation.
Binder	3	For mounting the power supply cable and transmission cable.
Screw (M4 x 20mm) 	4	For mounting the network convertor.
CD-ROM	1	For initial setting.
Connector cable 	1	For initial setting.

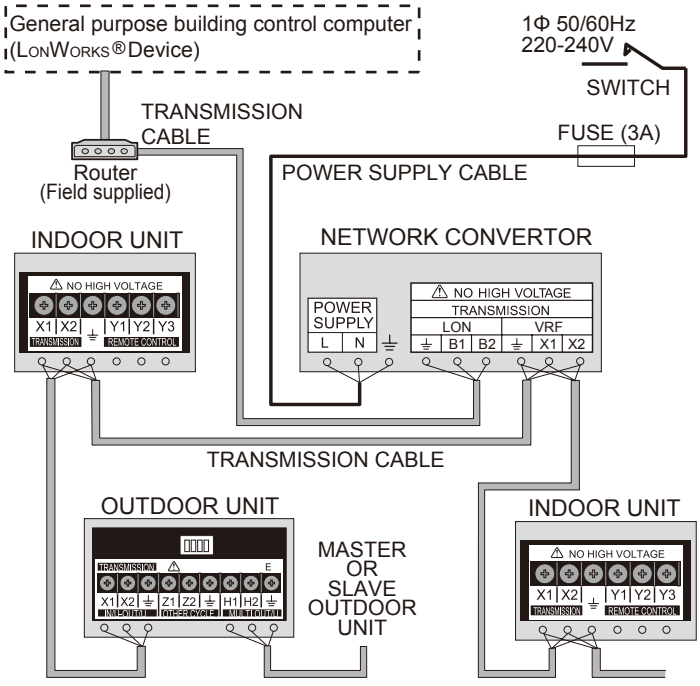
CONTROL SYSTEM

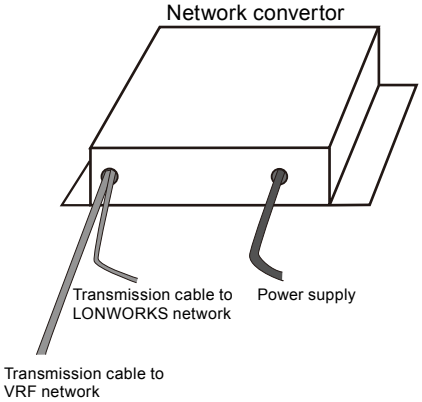
■ DIMENSIONS

(Unit : mm)



■ ELECTRICAL WIRING





Note :

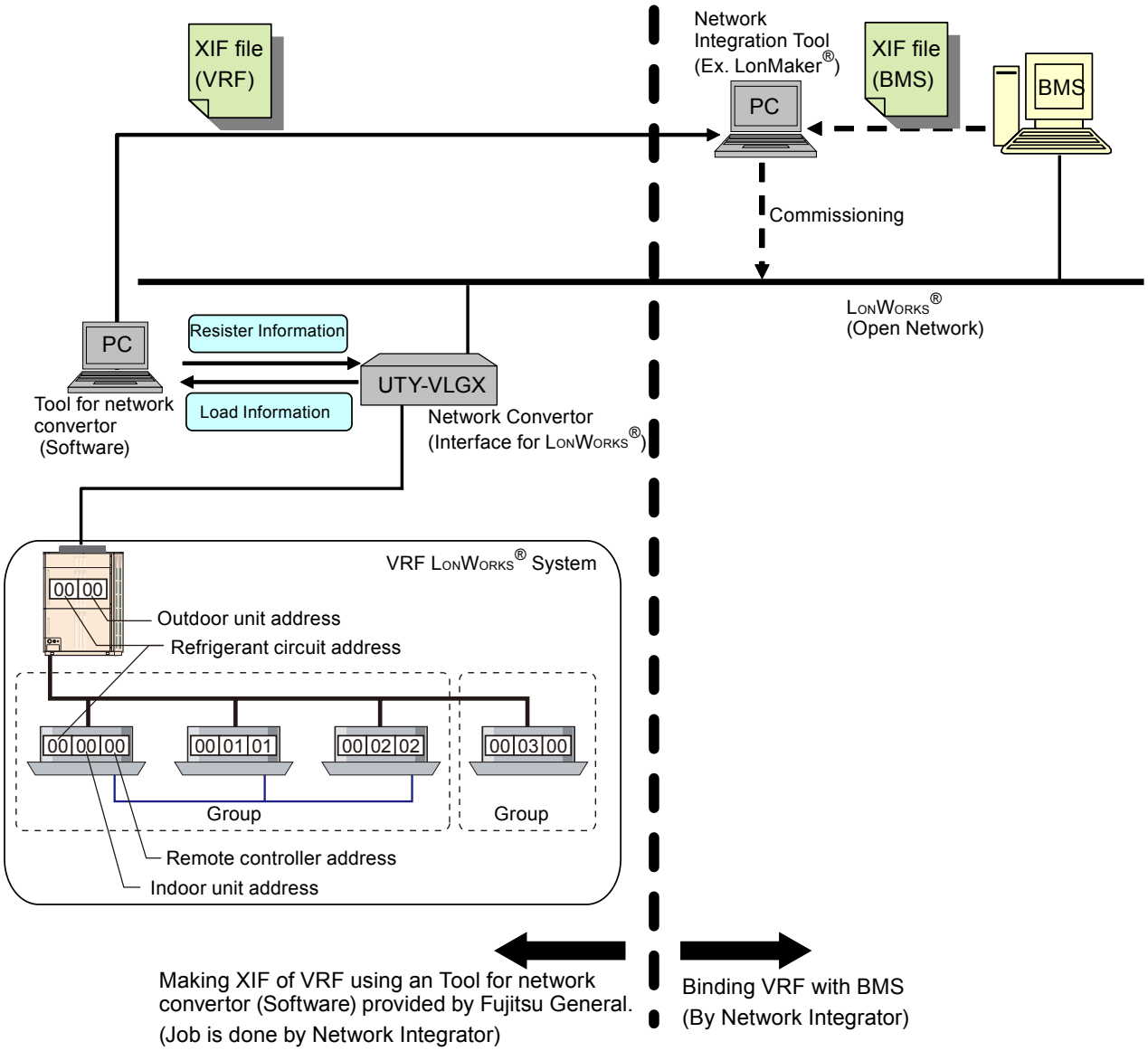
- Do not bind the power cable and transmission cable to avoid an erroneous operation.
- Use shield cable for transmission cable. The shield metal should be grounded.
- Do not forget to ground the Network Convertor.

■ WIRING SPECIFICATIONS

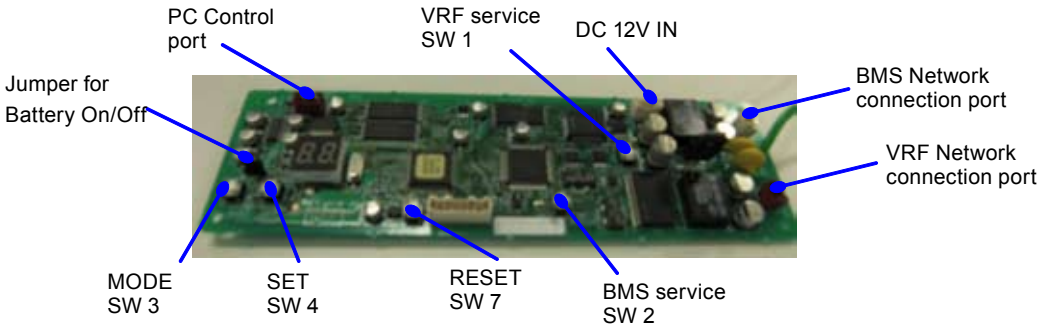
Use	Size		Wire type	Remarks
Power supply cable	Maximum	1.25mm^2	245 IEC 57 or equivalent	1 ø AC220 - 240 V 50/60Hz, 2 Wire + ground (Always ground the unit)
	Minimum	0.5mm^2		
Transmission cable	0.33mm^2		22AWG LEVEL4 (NEMA) non-polar 2 core, twisted pair solid core Shielded	LonWorks® compatible cable
Fuse capacity	3A			

∗Always ground the unit

■ TOTAL SYSTEM CONFIGURATION LAYOUT



■ PCB FOR NETWORK CONVERTOR (UTY-VLGX)



■ PROCEDURE IN BRIEF FOR MAKING XIF & REGISTER DATA TO NETWORK CONVERTOR (UTY-VLGX)

Note: For detail information, please check the Application Manual

STEP 1: Connect the PC and Network Convertor (UTY-VLGX) .

Connection will be done by the connector cable provided as an accessory item of UTY-VLGX.

STEP 2: Install Tool for Network Convertor (software) for UTY-VLGX in PC.

Tool for Network Convertor is the accessory item of UTY-VLGX.

STEP 3: Set Network Convertor (UTY-VLGX) to Installation Mode.

STEP 4: Initial setting of Indoor Unit & Outdoor Unit Addresses by using the Tool for Network Convertor.

STEP 5: Resister the initial setting data to UTY-VLGX. Click 'Register' dialog.

STEP 6: Set Configuration Properties.

It is the communication properties of UTY-VLGX. Select the following Communication items & Communication type if necessary. Otherwise, communication will be taken place by the Default values.

- Select Communication items
  - -Event Driven communication or Cyclic communication.
    (Default: Cyclic 3minutes)
  - -Communication Interval Time during turning ON all together.
    (Default: 3 minutes)
- Select Communication type (to communicate data with BMS)
  - -Communicate only when changing network variable or communicate all network variable. (Default: Only when changing network variable)
  - -Communicate only when changing room temperature value.
    (Default: Room temperature changed value 1°C)

STEP 7: Apply the Configuration Properties data to UTY-VLGX. Click 'Apply' dialog.

STEP 8: Making / Modifying XIF, and transfer XIF data by USB memory or floppy disk for binding.

STEP 9: Reset Network Convertor (UTY-VLGX) to press 'Reset SW7'.

STEP 10: Turn OFF the power. After that, remove the connection of PC & Network Convertor (UTR-VLGX) respectively.

In this stage, Network Convertor (UTY-VLGX) is ready for binding & commissioning.

Important: Network Convertor will not operate if,

- VRF network system address (Outdoor & Indoor units address) allocation information are not registered to Network Convertor.
- XIF data information and VRF network system address allocation information must not be same.
- Binding & Commissioning is not executed.

CONTROL SYSTEM

5-3-3. SIGNAL AMPLIFIER

■ MODEL : UTY - VSGX

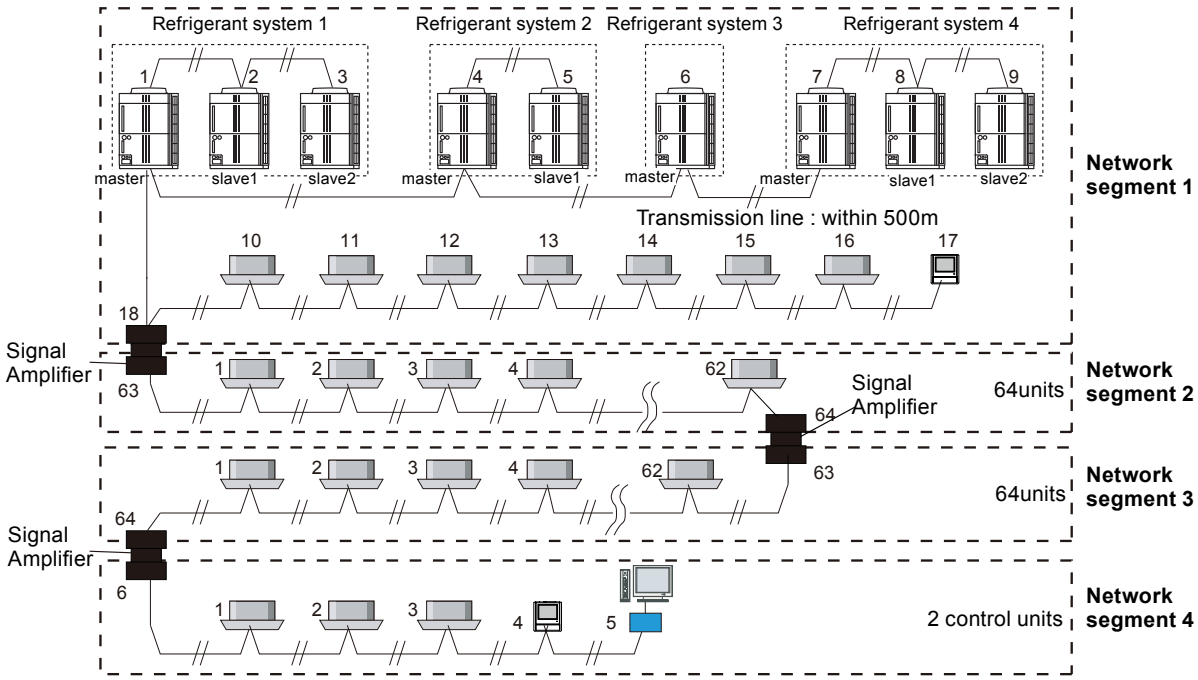
If the total length of transmission line exceeds 500m, or the number of units exceeds 64 units, Signal Amplifier will be necessary to use.

■ FEATURES

To prevent the drop of signal level by taking distance of length or quantity of unit in VRF network with installing signal amplifier, signal level can be recovered.

- Transmission line length can be extended up to 3600m with multiple signal amplifier.
- Up to 8 Signal Amplifier can be installed in a VRF system.

■ SYSTEM DIAGRAM



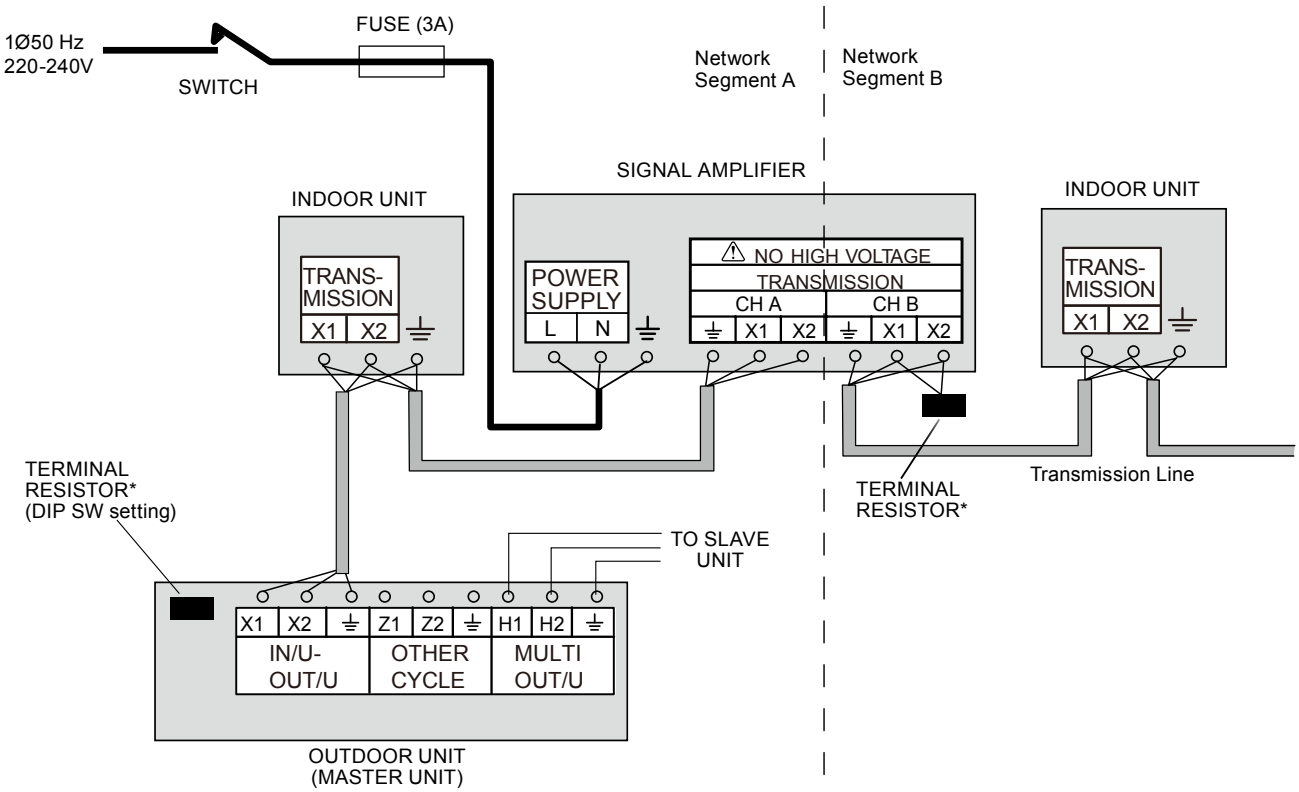
Each network segment must be within

- Total wiring length of transmission line : 500m
- A number of units : 64
- The number of control unit [Group Remote Controller Touch Panel Controller, System Controller and Network Convertor] : Max 2
- The number of terminal resistor : 1

Note:

- 22AWG Level 4 cable with shielded(National Electrical Manufacturers Association (NEMA)) **differs from the Category 4 specification proposed by the Electronic Industries Association/Telecommunication Industry Association (EIA/TIA)**
- Unit means indoor unit, outdoor unit, signal amplifier, network convertor, touch panel controller, system controller and so on.

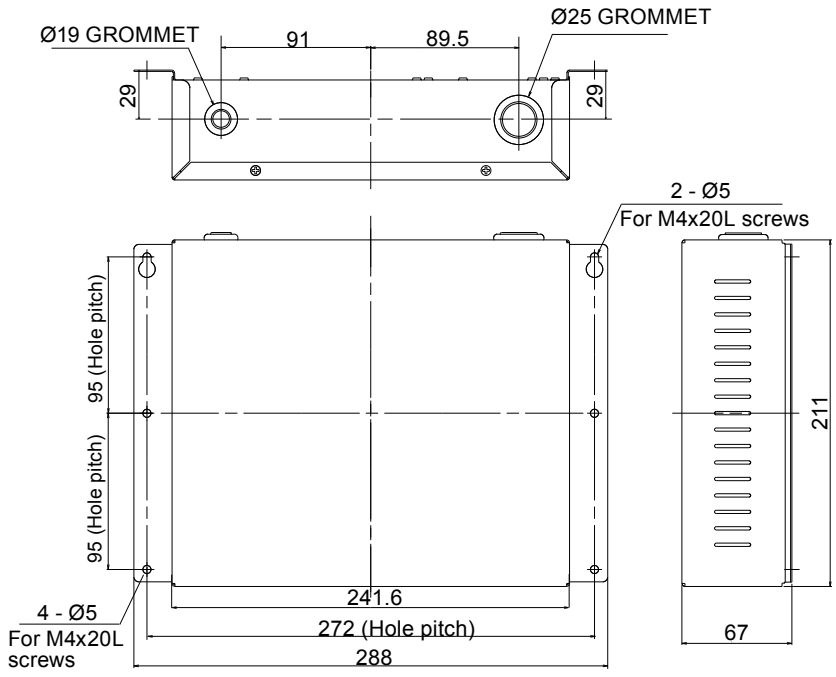
■ ELECTRICAL WIRING



* Make sure to install 1 peace of terminal resistor to each network segment.
Terminal resister is provided for each outdoor unit, but please confirm that there is only one terminal resistor in the same network segment.

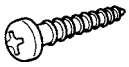
■ DIMENSIONS

(Unit : mm)



■ PACKING LIST

The following installation parts are supplied. Use them as required.

Name and shape	Quantity	Application
Installation manual	1	
Binder	4	For mounting the power supply cable, and transmission cable.
Screw (M4 x 20mm) 	4	For mounting the signal amplifier.
Terminal resistor	1	

■ WIRING SPECIFICATIONS

Use	Size		Wire type	Remarks
Power supply cable	Maximum	1.25mm^2	245 IEC 57 or equivalent	1 ø AC220 - 240 V 50/60Hz, 2 Wire + ground (Always ground the unit)
	Minimum	0.5mm^2		
Transmission cable	0.33mm^2		22AWG LEVEL4 (NEMA) non-polar 2 core, twisted pair solid core Shielded	LonWorks® compatible cable
Fuse capacity	3A			

■ SPECIFICATIONS

● Main specification

Power supply		1ø AC220 - 240V 50/60Hz
Power comsumption (W)		4.5
Temperature(°C)	Operating	0 to 46
	Packaged	-10 to 60
Humidity (%)	Packaged	0 to 95 (RH) ; No condensation
Dimensions (H x W x D) (mm)		67 x 288 x 211
Weight (g)		1500

CONTROL SYSTEM

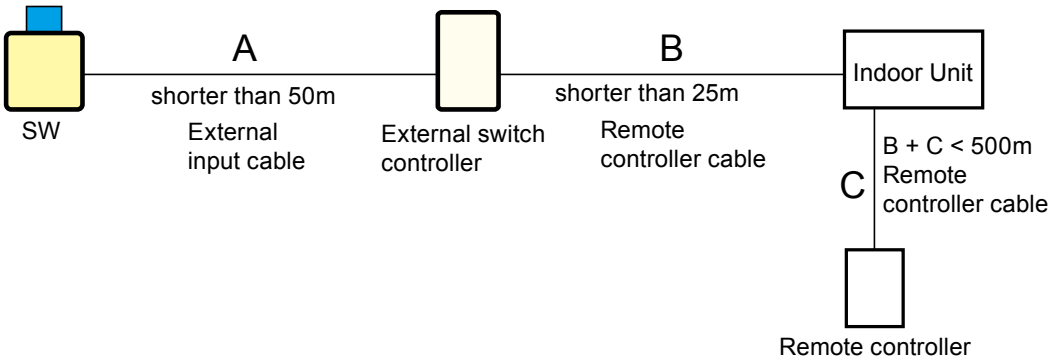
5-3-4. EXTERNAL SWITCH CONTROLLER

■ MODEL : UTY-TEKX

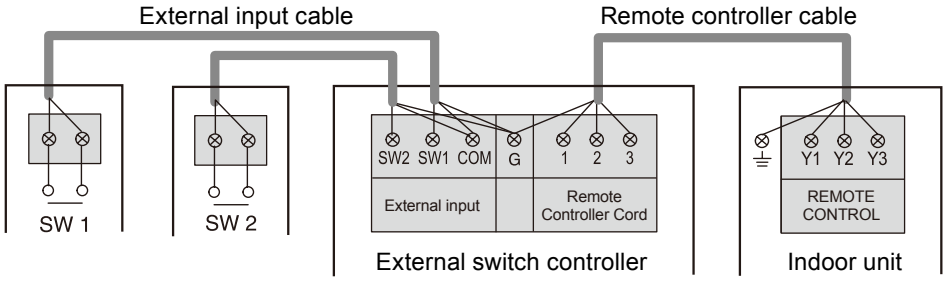
■ FEATURES

- Air conditioner switching can be controlled by connecting other sensor switches.
- ON/OFF, Temperature, Fan speed and Operating mode can be switched by a combination with Card-key switch equipped in facilities such as hotel room.
- Card-key or other sensor switches are available as a field supplied parts.

■ SYSTEM DIAGRAM

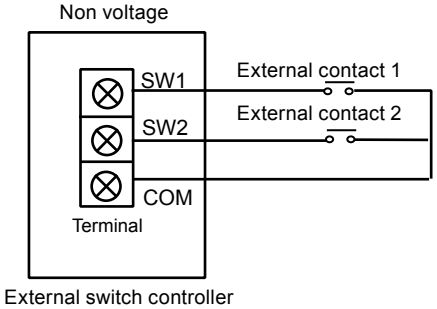


■ ELECTRICAL WIRING



*Connect SW2 only when it is used.

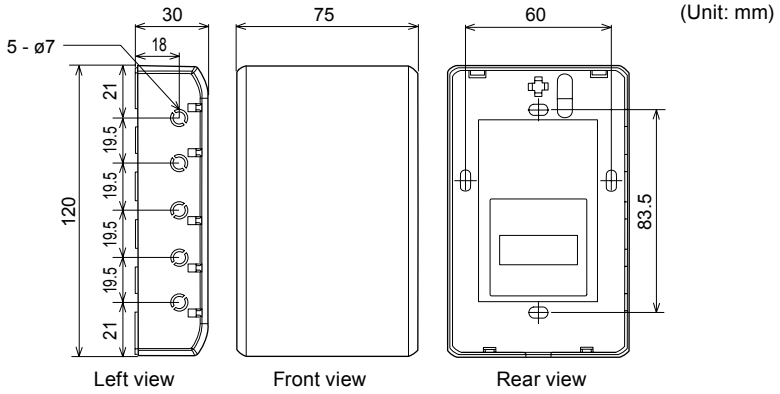
Connection to external contacts



Open circuit voltage : 12 (V) ± 2 (V).
Short circuit current : ≦2 (mA).
Short circuit detection resistance (R_{ON}) : ≦1 (kilo-ohm).
Open circuit detection resistance (R_{OFF}) : ≧50 (kilo-ohm).

CONTROL SYSTEM

■ DIMENSIONS



■ PACKING LIST

Name and shape	Quantity	Application
Installation manual	1	
Screw (M4x16mm)	2	For installing the external switch controller
Binder	5	For external switch controller and cable binding

■ WIRING SPECIFICATIONS

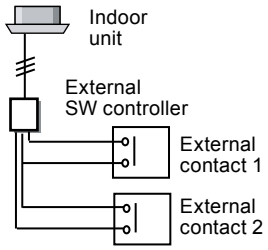
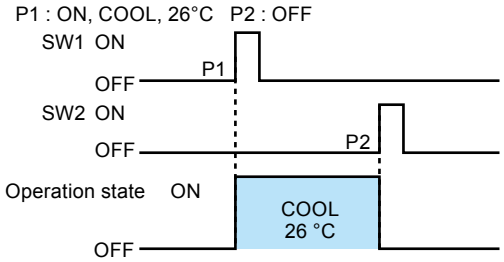
Use	Size	Wire type	Remarks
Remote controller cable	0.33mm^2	22AWG Polar 3core, Twisted pair	Use shield cable in accordance with local rules for cable
External input / output cable	0.33mm^2	22AWG Polar 2core, Twisted pair	

CONTROL SYSTEM

■ SPECIFICATIONS

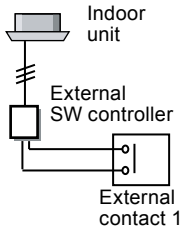
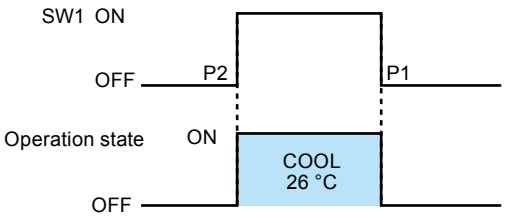
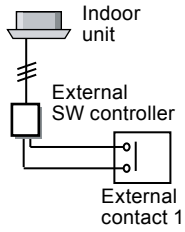
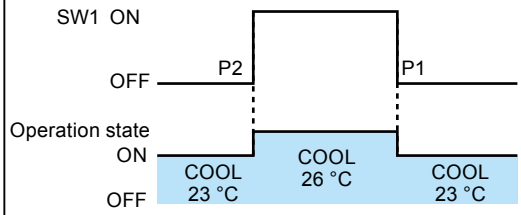
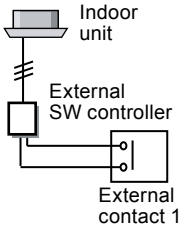
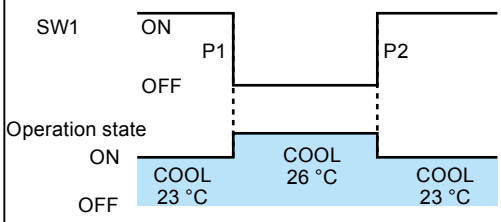
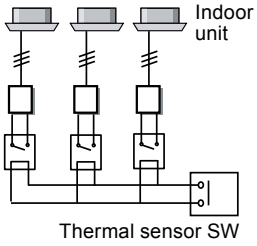
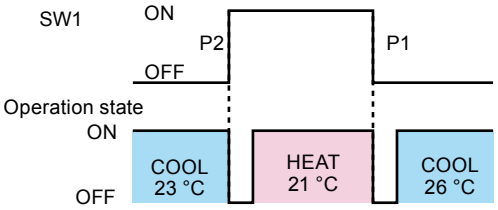
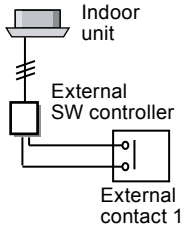
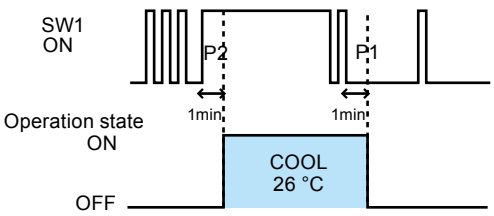
Power supply	DC 12V
Dimensions (H x W x D) (mm)	120 x 75 x 30
Weight (g)	100

■ EXAMPLE

Application	Setting	Wiring	Operation example
When controlling the individual operation states with two external contact	MODE0 P1: Arbitrary operation state Contact OFF→ON P2: Arbitrary operation state Contact OFF→ON Others setting are arbitrary.		

CONTROL SYSTEM

■ EXAMPLE

Application	Setting	Wiring	Operation example
When controlling operation by ON or OFF of an external contact switch	MODE1 P1 : Arbitrary operation state P2 : Arbitrary operation state Others setting are arbitrary.		P1 : OFF P2 : ON, COOL, 26°C 
When operating in the state set when an external contact switch was set to ON and returning to the original operation state when the switch was set to OFF	MODE1 or 0 P1 : SETBACK P2 : Arbitrary operation state Others setting are arbitrary.		MODE1, P1 : SETBACK P2 : ON, COOL, 26°C 
When operated in the state when an external contact switch was set to OFF and returned to original operation state	MODE1 or 0 P1 : Arbitrary operation state P2 : SETBACK Others setting are arbitrary.		MODE1, P1 : ON, COOL, 26°C P2 : When SETBACK 
When a temperature sensor switch is connected and cooling and heating switching is performed.	MODE2 P1 : ON, COOL or HEAT P2 : ON, COOL or HEAT Operation conditions: Unit operationg only Others setting are arbitrary.	 An external switch controller is connected to all the indoor units of the same refrigerant system and cooling and heating are switched by one temperature sensor.	P1 : ON, COOL, 26°C P2 : ON,HEAT, 21°C 
When preventing chattering noise within 1 minute of the external contact switch.	MODE1 Delay-time setting: Delay P1 : Arbitrary operation state P2 : Arbitrary operation state Others setting are arbitrary.		P1 : OFF P2 : ON, COOL, 26 °C 

CONTROL SYSTEM

5-4. SERVICE & WEB MONITORING TOOL Software

5-4-1. SERVICE TOOL

■ MODEL : UTY - ASGX

Extensive monitoring and analysis functions for installation and maintenance.

Operation status and error history can be grasped promptly and adequately.

■ FEATURES

1) Operation status can be checked and analyzed to detect even the small abnormalities.

2) Data collected and stored on site can be checked later, off-line, off-site for more detail analysis.

3) One VRF network system with maximum number of up to 400 units can be monitored and controlled.

4) Operation status and various sensor information can be monitored and checked real time in the form of list, refrigerant circuit diagram, graphs as well.

5) Simple operation control functions are useful during maintenance.

6) The recent error history can be retrieved from units on demand to perform analysis on the cause of the error, after connecting Service Tool to the VRF network system.

7) Commissioning tool supports test runs, data storage for each unit and saving of data as CSV files, which may be formatted to create commissioning report.

8) Connectable to any point of transmission line with USB adaptor *1 (field supplied)

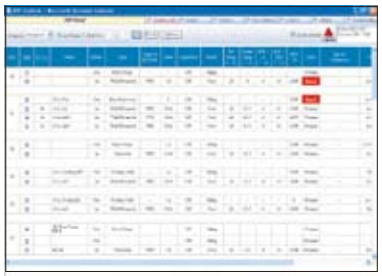
*1 : Service Tool (UTY-ASGX) will only support USB type network adaptor and will not support transmission adaptor of the traditional type(UTR-YTMA)

CONTROL SYSTEM

■ FUNCTIONS

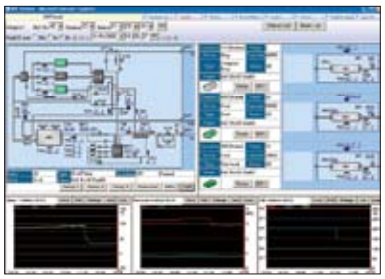
1) System List

Displays the overall operation status of all or specified units in the system in a list form.



2) Equipment Detail (Diagram)

Displays the detail information for sensor values, electrical components etc. for the specified units in schematic. The information here can be used along with the detail information in list form, to check the operation status of units and make detail analysis on the cause, in case an error occurs.



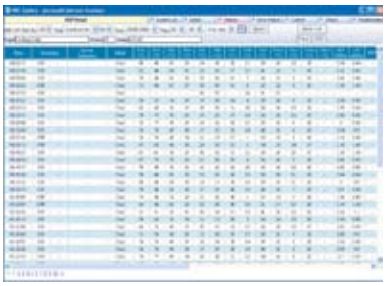
3) Equipment Detail (List)

Displays the detail information for sensor values, electrical components etc. of units in a specified refrigerant system in list form. The information here can be used along with the detail information in diagram form, to check the operation status of units and make detail analysis on the cause, in case an error occurs.

4) Operation History

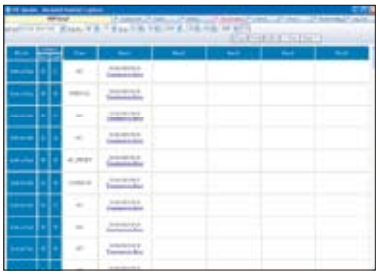
The indoor units or outdoor unit operation history can be recorded.

The displayed operation history can be printed out and saved to a CSV file.



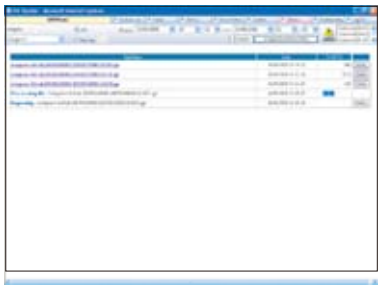
5) Error History

Displays the error information for each unit. The error information can sequentially be displayed up to 50 items as they occur starting with the latest error.



6) Remote File Download

Operation and error history data can be downloaded. Only the required data may be downloaded specifying the refrigerant system, unit and time range.



7) Commissioning Tool

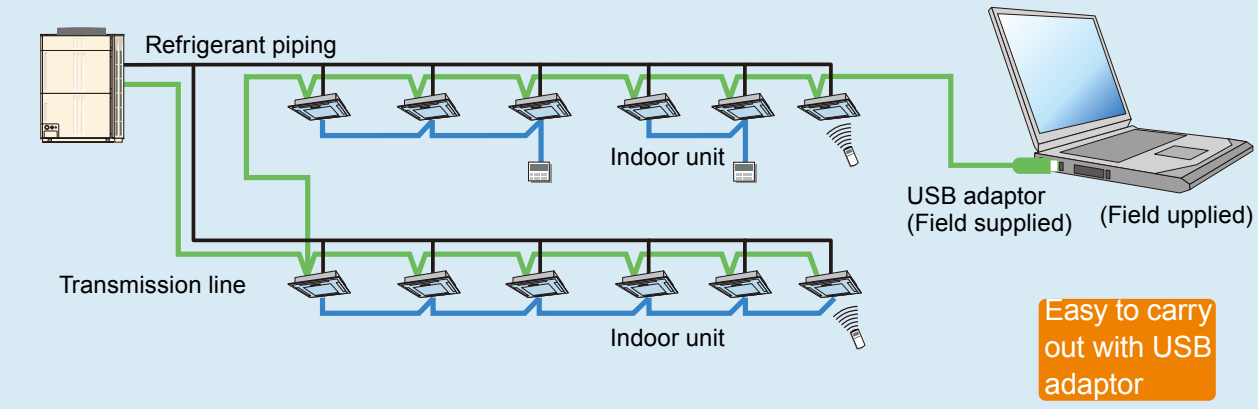
Test run commands can be executed with this tool.

During test running, the outdoor unit / indoor unit sensor data can be saved (commissioning log data).

After the end of test running, this data can be exported in CSV file format.

CONTROL SYSTEM

■ SYSTEM DIAGRAM



* USB adaptor is U10 USB Network interface of Echelon® corporation.

■ PACKING LIST

Name and shape	Quantity	Application
CD-ROM	1	
Wibu-key (Software protection key)	1	

■ PERSONAL COMPUTER SPECIFICATIONS

The following equipment is required for using Service Tool AT compatible machine that runs on Microsoft® Windows®.

Personal Computer	Operating System	AT compatible machine that runs Microsoft® Windows® Microsoft® Windows® 2000 Professional (English version / Service pack 4 or later) Microsoft® Windows® XP Professional (English version / Service pack 2 or later) Microsoft® Windows® Vista®Home Premium, Business, Ultimate Edition (English)
	CPU	Intel® Pentium® / Celeron®, AMD Athlon™ / Duron™ 1GHz or higher
	HDD	4.1 GB or more of free space
	Memory	1GB (Vista), 512MB (XP, 2000) or more
	Interface	• USB port for U10 USB Network Interface and Software protection key.
Software		Internet Explorer 6.0 or later / Adobe® Acrobat® Reader 4.0 or later
Hardware		U10 USB Network Interface (Echelon® Corporation)

■ USB ADAPTOR SPECIFICATIONS

Product name		U10 USB Network Interface TP/FT-10 Channel (Echelon® model name 75010R)
Network connector		Removable spring clamp clamp and screw terminal connectors included
Operating input current (USB)		50mA (maximum) @ 5VDC
USB compatibility		Certified USB 2.0 compatible. Compatible with USB 1.1 and Hi-speed USB systems, peripherals and cables.
LED indicators		Service (amber), Transmit (Green), Receive (Green)
Temperature		0 to +70°C (Operating), -20 to +85°C (Non-operating)
Humidity	Operating	25 to 90% R.H. @ +50°C; Non-condensing
	Non-operating	95% R.H. @ +70°C; Non-condensing
Dimensions		113.2 mm x 22.4 mm x 18.2 mm (length x width x height)
Weight		30 g

Note :
Make sure that USB equipment (USB hub, etc.) which this adaptor is connected to, is not overloaded. (Total power supplied from PC should not exceed the maximum limit).
For more information, please contact our sales representative.

CONTROL SYSTEM

5-4-2. WEB MONITORING TOOL Software

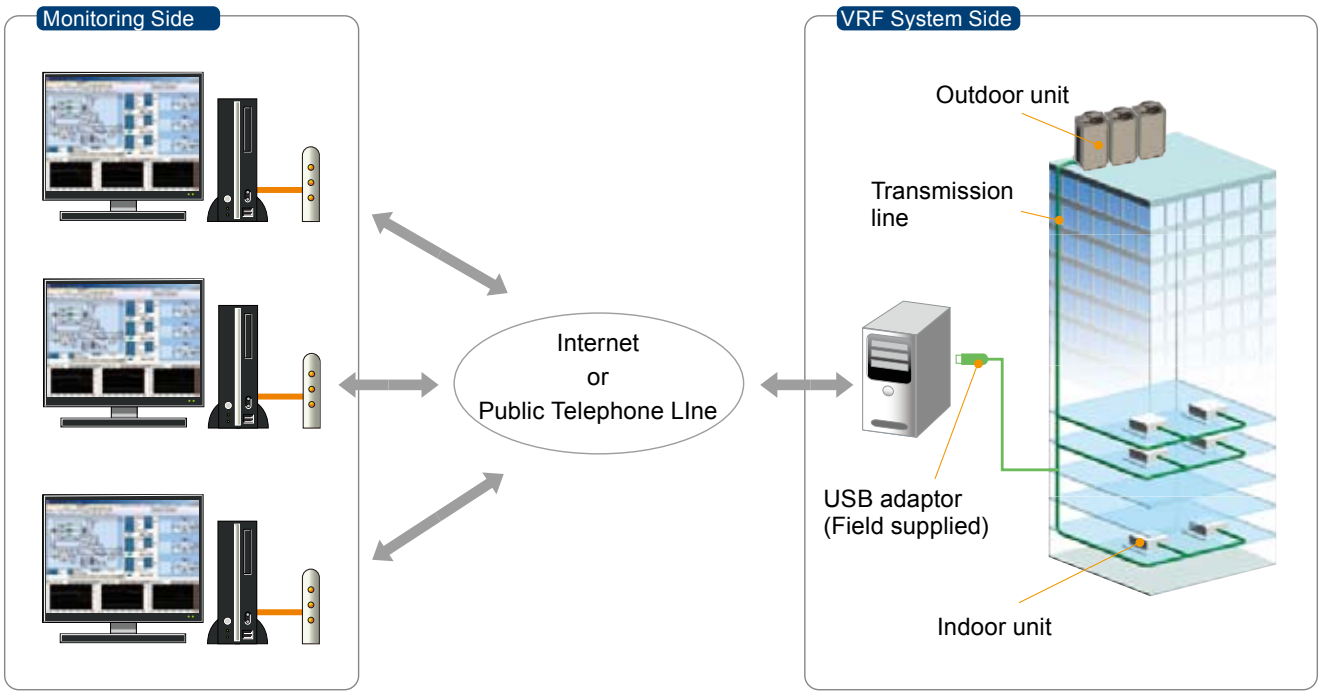
■ MODEL : UTY-AMGX

■ FEATURES

1) Troubleshooting is performed by monitoring each unit remotely during periodical system checks off-site.
2) Operation status can be checked and analyzed to detect even the smallest abnormalities.
3) Four VRF network systems each with 400 units, with maximum number of up to 1,600 units can be monitored and controlled.
4) Operation status and various sensor information can be monitored and checked real time in the form of list, refrigerant circuit diagram, and graphs as well.
5) The monitoring data in a remote side can be optionally downloaded. And, this data can be displayed in off-line mode of the service tool.
6) Error notification can be automatically transmitted to several locations using the internet *1.
7) Monitoring side computer is not required to install special software, requires only general web browser.
8) Connectable to any point of transmission line with USB adaptor *2 (field supplied)

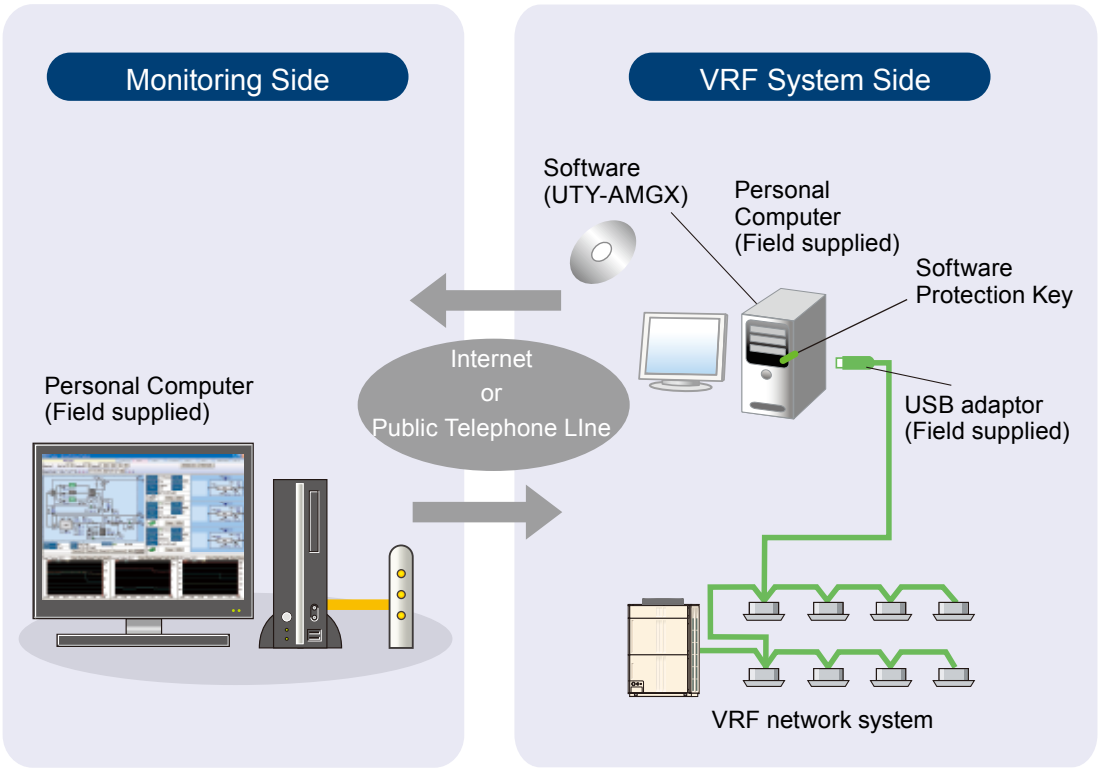
*1 : Use of internet mail system required.
*2 : Web Monitoring Tool (UTY-AMGX) will only support USB type network adaptor and will not support transmission adaptor of the traditional type (UTR-YTMA).

CONTROL SYSTEM



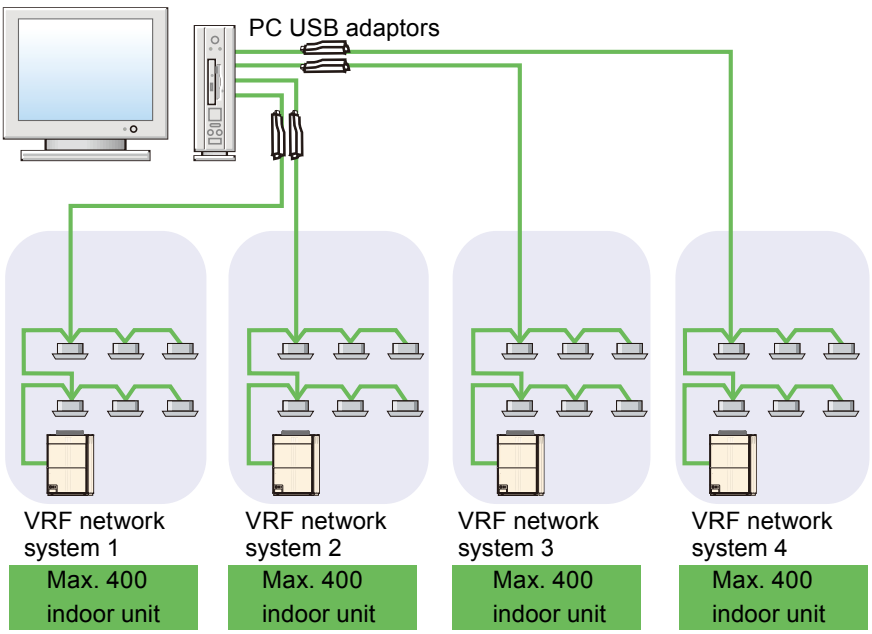
■ SYSTEM DIAGRAM

● System components



● Support 4 VRF network system

PC USB adaptor (max. 4 adaptors per PC) permit control and monitoring of up to 1,600 units.
Suitable for large-scale buildings or hotels



CONTROL SYSTEM

■ PACKING LIST

Name and shape	Quantity	Application
CD-ROM	1	
Wibu key (Software protection key)	1	

■ PERSONAL COMPUTER SPECIFICATIONS

The following equipment is required for using Web Monitoring tool AT compatible machine that runs on Microsoft® Windows®.

Personal Computer		AT compatible machine that runs Microsoft® Windows®
	Operating System	Microsoft® Windows® 2000 Professional (English version / Service pack 4 or later) Microsoft® Windows® XP Professional (English version / Service pack 2 or later) Microsoft® Windows® Vista® Home Premimum, Business, Ultimate Edition (English version)
	CPU	Intel® Pentium® / Celeron®, AMD Athlon™ / Duron™ 1GHz or higher
	HDD	4.1 GB or more of free space
	Memory	1GB or more
	Interface	USB port (for U10 USB Network Interface Max.4 , Software protection key) Following interface is required for remote connection: Public Telephone LIne : Modem is required Internet using LAN : Ethernet port is required
Software		Internet Explorer 6.0 or later / Adobe® Acrobat® Reader 4.0 or later
Hardware		USB Adaptor is U10 USB Network interface of Echelon® corporation.

■ USB ADAPTOR SPECIFICATIONS

Please refer specification in 5-4-1 SERVICE TOOL.

■ COMPARISON TABLE

No.	Item	Service Tool UTY-ASGX	Web Monitoring Tool UTY-AMGX	
			VRF network system Side	Monitoring Side
1	Interchangeability of equipment	●	●	●
2	Indication of equipment list	●	●	●
3	Operation control	●	●	—
4	Indication of refrigerant circuit diagram	●	●	●
5	Commissioning tool	●	●	—
6	Monitoring of equipment information	●	●	●
7	Monitoring of operating condition	●	●	●
8	Monitoring of sensor data	●	●	●
9	Storage and CSV output of operating history (sensor data)	●	●	●
10	Indication of trend graph	●	●	●
11	Printing of trend graph	●	●	●
12	Monitoring and screen display of abnormalities	●	●	●
13	E-mail automatic transmission of abnormalities	—	●*1	—
14	Setting for user level	—	●	—

*1 It is available only during a connection to the Internet.

CONTROL SYSTEM

Refrigerant R410A
INVERTER

AIRSTAGE™ V-II
Variable Refrigerant Flow System

6. SYSTEM DESIGN

6-1. SYSTEM DESIGN

6-1-1. REFRIGERANT SYSTEM

■ CONNECTABLE UNIT WITHIN 1 REFRIGERANT SYSTEM

Unit	Quantity	Remarks
Outdoor unit	1 to Max. 3 units	Space saving combination : See table 1 Energy efficiency combination : See table 2
Indoor unit	2 *1 to Max. 48 units	

*1 : One indoor unit connection is not allowed, except for the connection of
ARXC72LATH - AJ∗A72LALH or
ARXC90LATH - AJ∗A90LALH.

● Table 1 (Space saving combination)

HP	Capacity (kW)	Outdoor unit quantity	Maximum connectable indoor unit	Connectable capacity range
8	22.4	1	15	50% to 150%
10	28.0	1	16	
12	33.5	1	17	
14	40.0	1	21	
16	45.0	1	24	
18	50.4	2	32	
20	55.9	2	32	
22	61.5	2	32	
24	67.0	2	35	
26	73.5	2	39	
28	78.5	2	42	
30	85.0	2	45	
32	90.0	2	48	
34	95.0	3	48	
36	100.5	3	48	
38	107.0	3	48	
40	112.0	3	48	
42	118.5	3	48	
44	123.5	3	48	
46	130.0	3	48	
48	135.0	3	48	

SYSTEM DESIGN

● Table 2 (Energy efficiency combination)

HP	Capacity (kW)	Outdoor unit quantity	Maximum connectable indoor unit	Connectable capacity range
16	44.8	2	30	50% to 150%
22	62.4	2	33	
24	67.2	3	36	
26	72.8	3	39	
28	78.3	3	42	
30	84.8	3	45	
32	89.4	3	48	
34	95.9	3	48	
36	102.4	3	48	
40	113.5	3	48	
42	120.0	3	48	
44	125.0	3	48	

● Caution

- When all indoor units are operating at maximum capacity, individual indoor unit operate at a slightly lower capacity. (When connecting more than 100%)
- Based on the capacity table in chapter 2, select the optimum combination of outdoor units.
- Do not exceed both of "connectable capacity range" and "maximum connectable indoor unit", otherwise it may cause hinder the return of the refrigerant oil and cause a compressor breakdown.
- Minimum connectable indoor unit number is 2.
  However ARXC72 or ARXC90 can be used single connection.

SYSTEM DESIGN

■ OUTDOOR UNIT COMBINATION

● Combinations other than the followings are prohibited.

● Space saving combination

HP	Cooling Capacity (kW)	Set model name	Combination *1		
			Outdoor unit 1 (Master)	Outdoor unit 2 (Slave 1)	Outdoor unit 3 (Slave 2)
8	22.4	AJ∗A72LALH	AJ∗A72LALH	-	-
10	28.0	AJ∗A90LALH	AJ∗A90LALH	-	-
12	33.5	AJ∗108LALH	AJ∗108LALH	-	-
14	40.0	AJ∗126LALH	AJ∗126LALH	-	-
16	45.0	AJ∗144LALH	AJ∗144LALH	-	-
18	50.4	AJ∗162LALH	AJ∗A90LALH	AJ∗A72LALH	-
20	55.9	AJ∗180LALH	AJ∗108LALH	AJ∗A72LALH	-
22	61.5	AJ∗198LALH	AJ∗108LALH	AJ∗A90LALH	-
24	67.0	AJ∗216LALH	AJ∗108LALH	AJ∗108LALH	-
26	73.5	AJ∗234LALH	AJ∗126LALH	AJ∗108LALH	-
28	78.5	AJ∗252LALH	AJ∗144LALH	AJ∗108LALH	-
30	85.0	AJ∗270LALH	AJ∗144LALH	AJ∗126LALH	-
32	90.0	AJ∗288LALH	AJ∗144LALH	AJ∗144LALH	-
34	95.0	AJ∗306LALH	AJ∗108LALH	AJ∗108LALH	AJ∗A90LALH
36	100.5	AJ∗324LALH	AJ∗108LALH	AJ∗108LALH	AJ∗108LALH
38	107.0	AJ∗342LALH	AJ∗126LALH	AJ∗108LALH	AJ∗108LALH
40	112.0	AJ∗360LALH	AJ∗144LALH	AJ∗108LALH	AJ∗108LALH
42	118.5	AJ∗378LALH	AJ∗144LALH	AJ∗126LALH	AJ∗108LALH
44	123.5	AJ∗396LALH	AJ∗144LALH	AJ∗144LALH	AJ∗108LALH
46	130.0	AJ∗414LALH	AJ∗144LALH	AJ∗144LALH	AJ∗126LALH
48	135.0	AJ∗432LALH	AJ∗144LALH	AJ∗144LALH	AJ∗144LALH

SYSTEM DESIGN

● Energy efficiency combination

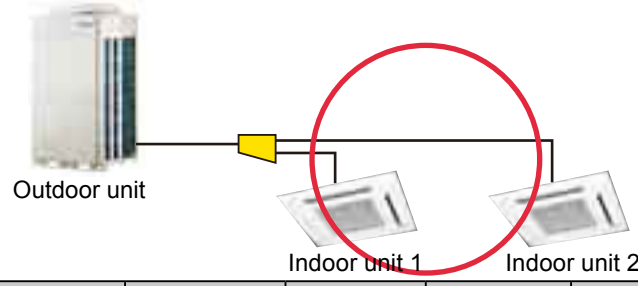
HP	Cooling Capacity (kW)	Set model name	Combination *1		
			Outdoor unit 1 (Master)	Outdoor unit 2 (Slave 1)	Outdoor unit 3 (Slave 2)
16	44.8	AJ∗144LALHH	AJ∗A72LALH	AJ∗A72LALH	-
22	62.4	AJ∗198LALHH	AJ∗126LALH	AJ∗A72LALH	-
24	67.2	AJ∗216LALHH	AJ∗A72LALH	AJ∗A72LALH	AJ∗A72LALH
26	72.8	AJ∗234LALHH	AJ∗A90LALH	AJ∗A72LALH	AJ∗A72LALH
28	78.3	AJ∗252LALHH	AJ∗108LALH	AJ∗A72LALH	AJ∗A72LALH
30	84.8	AJ∗270LALHH	AJ∗126LALH	AJ∗A72LALH	AJ∗A72LALH
32	89.4	AJ∗288LALHH	AJ∗108LALH	AJ∗108LALH	AJ∗A72LALH
34	95.9	AJ∗306LALHH	AJ∗126LALH	AJ∗108LALH	AJ∗A72LALH
36	102.4	AJ∗324LALHH	AJ∗126LALH	AJ∗126LALH	AJ∗A72LALH
40	113.5	AJ∗360LALHH	AJ∗126LALH	AJ∗126LALH	AJ∗108LALH
42	120.0	AJ∗378LALHH	AJ∗126LALH	AJ∗126LALH	AJ∗126LALH
44	125.0	AJ∗396LALHH	AJ∗144LALH	AJ∗126LALH	AJ∗126LALH

* 1 Selecting outdoor unit capacity in order of

Outdoor unit 1 (Master) ≥ Outdoor unit 2 (Slave 1) ≥ Outdoor unit 3 (Slave 2)

■ EXAMPLE OF REFRIGERANT SYSTEM

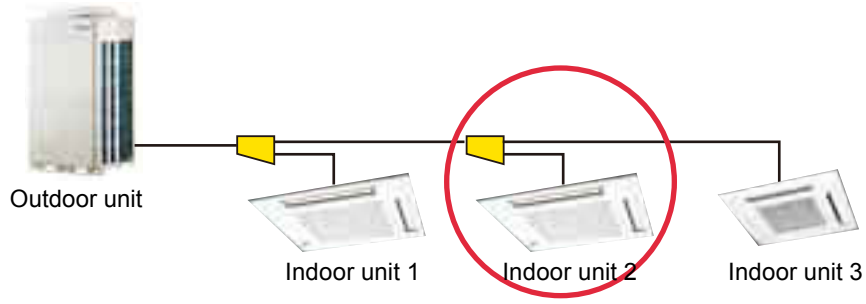
● Example 1



Capacity ratio 57%

	Model	Capacity (kW)	Total capacity (kW)	Connectable indoor unit capacity		Judgement
				Min.	Max.	
Outdoor unit	AJ∗A72L	22.4	22.4	② 50% 11.2	③ 150% 33.6	②≤ ①≤ ③ 11.2 < 12.7 < 33.6 → OK
Indoor unit 1	AUXB24	7.10	① 12.7			
Indoor unit 2	AUXB18	5.60				

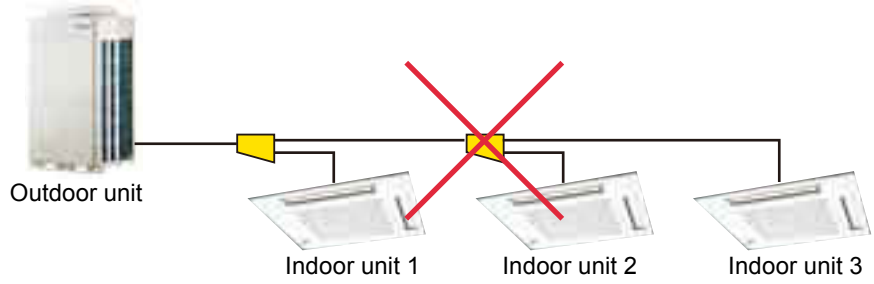
● Example 2



Capacity ratio 97%

	Model	Capacity (kW)	Total capacity (kW)	Connectable indoor unit capacity		Judgement
				Min.	Max.	
Outdoor unit	AJ∗A72L	22.4	22.4	② 50% 11.2	③ 150% 33.6	②≤ ①≤ ③ 11.2 < 21.7 < 33.6 → OK
Indoor unit 1	AUXA30	9.00	① 21.7			
Indoor unit 2	AUXD24	7.10				
Indoor unit 3	AUXB18	5.60				

● Example 3



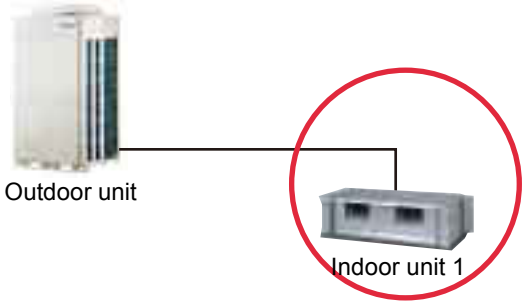
Capacity ratio 162%

	Model	Capacity (kW)	Total capacity (kW)	Connectable indoor unit capacity		Judgement
				Min.	Max.	
Outdoor unit	AJ∗A72L	22.4	22.4	② 50% 11.2	③ 150% 33.6	③≤ ① 33.6 < 36.2 → No good
Indoor unit 1	AUXA45	12.5	① 36.2			
Indoor unit 2	AUXA45	12.5				
Indoor unit 3	AUXA36	11.2				

SYSTEM DESIGN

● Example 4 (One indoor unit connection)

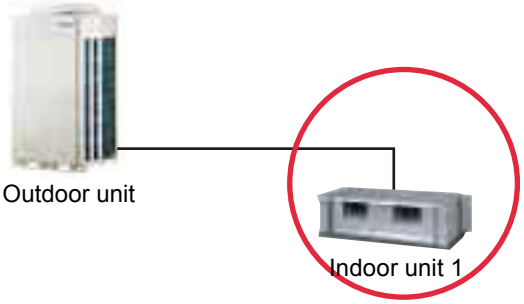
<Connection of ARXC90LATH and AJ∗A90LALH>



Capacity ratio 89%

	Model	Capacity (kW)	Total capacity (kW)	Connectable indoor unit capacity		Judgement
				Min.	Max.	
Outdoor unit	AJ∗A90L	28.0	28.0	② 50%	③ 150%	②≤ ①≤ ③
Indoor unit 1	ARXC90	25.0	① 25.0	14.0	42.0	14.0 < 25.0 < 42.0 → OK

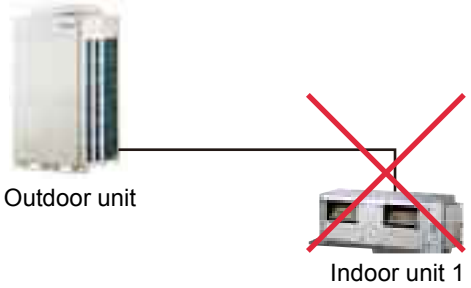
<Connection of ARXC72LATH and AJ∗A72LALH>



Capacity ratio 100%

	Model	Capacity (kW)	Total capacity (kW)	Connectable indoor unit capacity		Judgement
				Min.	Max.	
Outdoor unit	AJ∗A72L	22.4	22.4	② 50%	③ 150%	②≤ ①≤ ③
Indoor unit 1	ARXC72	22.4	① 22.4	11.2	33.6	11.2 < 22.4 < 33.6 → OK

<Connection of ARXC60LATH and AJ∗A72LALH>



Capacity ratio 80%

	Model	Capacity (kW)	Total capacity (kW)	Connectable indoor unit capacity		Remarks
				Min.	Max.	
Outdoor unit	AJ∗A72L	22.4	22.4	② 50%	③ 150%	No good
Indoor unit 1	ARXC60	18.0	① 18.0	11.2	33.6	Indoor unit capacity below 20kW is not allowed (For one indoor unit connection)

SYSTEM DESIGN

SYSTEM DESIGN

6-1-2. VRF NETWORK SYSTEM

■ MAXIMUM WIRING LENGTH OF VRF NETWORK SYSTEM

Transmission line	Maximum wiring length
Total wiring length of transmission	3600m
Maximum wiring length between units	400m
Total wiring length in 1 segment *	500m

	VRF network system	segment *
Wiring length	3600m	500m
Number of unit	400	64

* Segment: Please refer network segment figure and explanation on page (06-08).

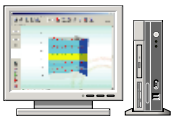
■ THE MAXIMUM CONNECTABLE UNIT

● Outdoor unit and indoor unit

	Maximum connectable units in one VRF network system
Outdoor unit	100
Indoor unit	400

SYSTEM DESIGN

■ CONTROLLER AND CONVERTOR

				Model	Maximum connectable units in one VRF network system	Remarks	
Controller	Central Control	System Controller		UTY-APGX	1		Max.controllable VRF network system : 4 Max.controllable remote controller groups : 1600 per 4 VRF network system Max.controllable indoor unit : 1600 per 4 VRF network system Max.controllable groups : 1600 per 4 VRF network system
		Touch Panel Controller		UTY-DTG∗	16	*1:Note	Max.controllable remote controller groups : 400 Max.controllable indoor unit : 400 Max.controllable groups : 400
		Group Remote Controller		UTY-CGG∗	(64)		When Group Remote Controller is used, Network Convertor (UTY-VGGX) is required. Max controllable remote controller groups : 8 Max controllable indoor units : 96
	Individual Control	Wired Remote Controller		UTY-RNK∗			Max controllable indoor units : 16
		Simple Remote Controller (with master control)		UTY-RSK∗			Max controllable indoor units : 16
		Simple Remote Controller (without master control)		UTY-RHK∗			Max controllable indoor units : 16
		Wireless Remote Controller		UTY-LNH∗			
Adaptor / Convertor		Signal Amplifier		UTY-VSGX	8		The signal amplifier is required when 500m or more in transmission line length or connected unit exceeds 64units.
		Network Convertor		UTY-VGGX	Used for connecting split system : 100	Total number of refrigerant system and Network convertor is maximum 100.	Max connectable Single split or Big multi type in a UTY-VGGX : 16 units.
					Used for connecting Group Remote Controller : 16	*1:Note	Max connectable Group Remote Controller : 4 units. One Network Convertor (UTY-VGGX) covers 2 refrigerant systems.
		Network Convertor for LonWorks®		UTY-VLGX	1		Max controllable indoor units : 128
		External Switch Controller		UTY-TEKX			Max connectable indoor units : 16

*1 Note : For one VRF network system, total number of Touch Panel Controller, Network Convertor for Group Remote Controller is 16, including one Network Convertor for LonWorks®.

SYSTEM DESIGN

SYSTEM DESIGN

■ CONTROLLER AND CONVERTOR

			Model	Maximum connectable units in one VRF network system	Remarks	
Service & Maintenance	Service Tool		UTY-ASGX	1	1 Service Tool or 1 Web Monitoring Tool can be connected.	PC : Field supplied. USB adaptor is required.
	Web Monitoring Tool		UTY-AMGX		Max.4 VRF network system can be connected in one Web Monitoring Tool.	Web Monitoring Tool: Internet explorer 6.0 or higher. PC : Field supplied. Up to 4 VRF network system can be observed with one Web Monitoring Tool.

SYSTEM DESIGN

■ MAXIMUM CONNECTION OF NETWORK SEGMENT

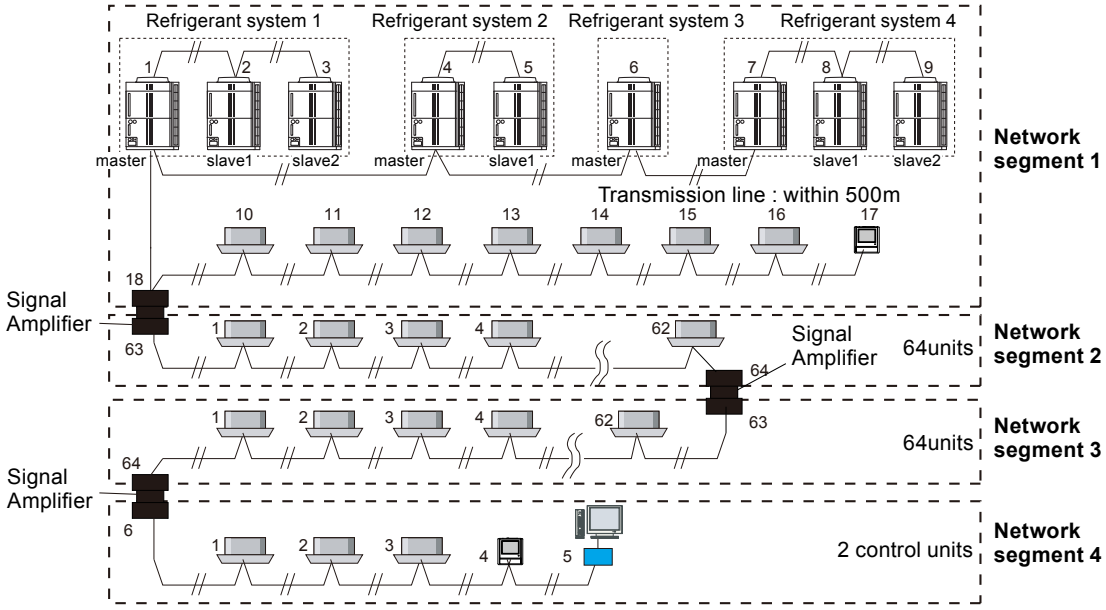
● Network segment : divided network by signal amplifier

- In the following case, signal amplifier is required.
  (1) When the total length of the transmission line exceeds 500 m.
  (2) When the number of total unit*1 exceed over 64 units.
- When a signal amplifier is installed, network is divided into two network segments.
  Network segments mean divided block which has been connected with signal amplifier within above condition.
  In a network segment(NS), divided by a signal amplifier, have to keep the following limitation.

Segment inside	Limitation
Transmission line	500m or less
Number of unit *1	64 or less
Terminal resistor	1
Total number of control unit *2	2

*1: Unit means indoor unit, outdoor unit, signal amplifier, Touch panel controller, System controller and so on.

*2: Control unit means Touch panel controller and System controller.



● Caution

VRF network system should satisfy both of number of unit and wiring length.
When system exceeds either number of unit or wiring length, system should be devided.

■ THE MAXIMUM WIRING LENGTH OF UNIT

Name	Model	Maximum wiring length		
Network convertor	UTY-VGGX	Total length of group remote controller cable to convertor	100m	(1) Used for group remote controller
		Remote controller to UTY-VGGX	100m	(2) Used for single split AC
		Indoor unit to UTY-VGGX	100m	
Signal amplifier	UTY-VSGX	In each network segment	500m	
External switch controller	UTY-TEKX	External switch to UTY-TEKX	50m	Max.connectable 16 indoor units. 2 Remote controllers can be used jointly.
		Indoor unit to UTY-TEKX	25m	
Wired, Simple remote controller	UTY-RNK* UTY-RSK* UTY-RHK*	Remote controller cable	500m	

SYSTEM DESIGN

6-1-3. MOUNTING POSITION

■ OUTDOOR UNIT

For the air conditioner to operate satisfactorily, install it as outlines in installation manual.

● Outdoor unit mounting position

- A position where satisfies the mounting space described in “3-3 Installation space".
- A position where the unit can be installed horizontally.
- A position with enough space for performing pipe work, service and maintenance.
- A position where satisfies the pipe limitations of height and length between the outdoor units to be connected

● Outdoor unit mounting limitation

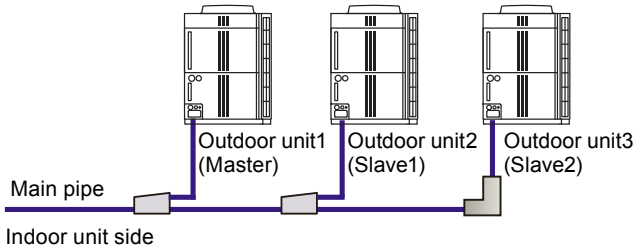
- A position that is not exposed to strong or seasonal winds.
- A position where the blown air does not accumulate.
- A position where there are no obstructions to the air near to the inlet and outlet.
- A position not exposed to radiation from other heat sources.
- A position where the discharge air will not affect animals or plants.
- A position where the noise and hot air will not disturb the neighbour.
- A position with strong installation fixings, which can sufficiently bear the product weight.
- A position that does not transmit noise or vibration.
- A position where drain water discharge is not a problem.
- A position where snow does not accumulate.
- A position not easily affected by electrical noise.
- A position out of reach of children.
- A position where there is no danger of the generation, influx or accumulation of flammable gas.
- A position that does not have a special environment such as large amounts of oil, vapor or sulfide gas.

SYSTEM DESIGN

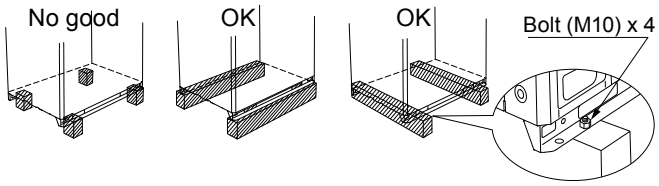
● Precaution for outdoor unit mounting position

- Mount the outdoor unit in a position where its tilt is 3 degrees or less.
- When mounting units on each floor or multiple units, secure enough outlet space to prevent a short circuit effect.
- In cold or snowy regions, make sure that the mount is high enough and install a snow protection hood.
- Drain water is discharged from the outdoor unit during operation, so make sure that this drain water is possible to flow.
- Use material such as vibration-resistant rubber to prevent the transmission of vibration to the floor.
- Securely fix the unit when it may be in a position exposed to strong winds.
- When cooling operation will be conducted at outdoor air temperature below -5°C, the outdoor unit must be installed in a position that is higher than or equal to those of indoor units.

Make sure to mount the outdoor unit 1 (master) closest to indoor unit side.



Installation example



*Do not use a four-corner support foundation.

■ INDOOR UNIT

For the air conditioner to operate satisfactorily, install it as outlines in installation manual.

● Indoor unit mounting position

- Decide the mounting position with the customer
- Install the unit level on a strong wall, floor, ceiling which is not subject to vibration.
- The inlet and outlet ports should not be obstructed. The air should be able to blow all over the room.
- Install the unit where the connection pipe can be easily installed.
- Install the unit where the drain pipe can be easily installed.
- Take servicing, etc. into consideration and leave the spaces. Also install the unit where the filter can be removed.
- Install the unit where satisfy the pipe length and hight.

● Indoor unit mounting limitation

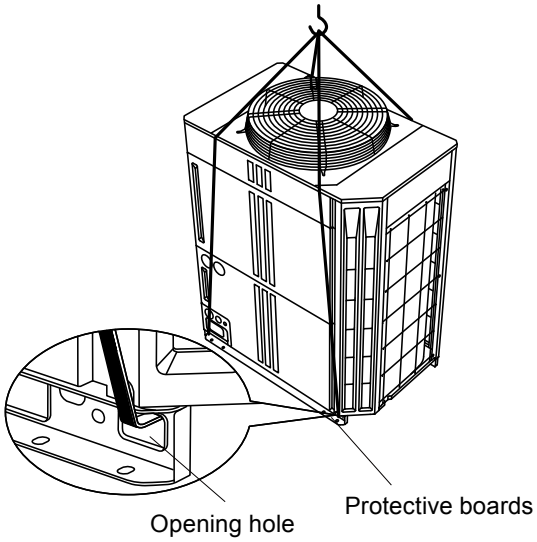
- Install at a place that can withstand the weight of the indoor unit and install positively so that the unit will not topple or fall.
- Do not install the unit where there is the danger of combustible gas leakage.
- Do not install the unit near heat sources and the location with high temperature.
- Mount with the lowest moving parts at least 2.4m above floor or grade level.
- Do not install the unit near a source of heat, steam, or flammable gas.
- Do not use the unit for air conditioning or saving precision instrument, food, art, plants and animal as special place.
- If children may approach the unit, take preventive measures so that they cannot reach the unit.
- Do not install where there is oily smoke, machine oil (i.e. factory), salty environment with direct sea breeze, and too much of dust.
- Install the unit where drainage does not cause any trouble.
- Welding parts may be fretted if the unit is installed where corrosive gas such as sulphurous acid gas is generated.
- Control may not operate correctly if the unit is installed near machinery which emit electromagnetic wave.
- Install the unit in a well-ventilated place avoiding rains and direct sunlight.
- Install the unit where air from the outlet and noise do not disturb the neighbour.
- Install the indoor and outdoor units, power wiring, signal wiring and remote control wiring 1 m away from television and radio to avoid distorted images and noise. (However, distorted noise may not be avoidable even if units and wiring mentioned above are installed 1m away from television and radio depending on conditions of electromagnetic disturbance.)
- When installing an indoor unit in a small room, a countermeasure must be taken to keep refrigerant concentration limitations will never be exceeded even if there is a refrigerant leak.
- A sound might be heard from the indoor unit such as a refrigerant flowing sound. For using in small and quiet room such as bed room or hotel guest room, select the unit which has not exposed inside the room (Ex. Duct type) or the unit which connects EV kit separately (Ex. Compact wall mounted type (EEV external model) + EV kit).

SYSTEM DESIGN

6-1-4. TRANSPORTATION THE OUTDOOR UNIT

■ HOISTING METHOD

- When hanging the outdoor unit and conveying it to installation location, hang the unit with rope by passing through the 4 opening holes on bottom of front and rear side as shown in figure.
- Use 2 ropes at least 8m long. If used shorter length, it may cause to damage the unit.
- Use the sufficiently strong rope to bear the unit's weight.
- Place the protective board or filler cloth at the place where the cabinet may come into contact with rope to prevent from damages. Without using them, cabinet may cause to damage or deform.
- During the hanging unit, make sure to keep the unit horizontally to prevent the drop.
- Be careful not to shock the impacts during the hanging.



Model name	Weight (kg)
AJ*A72LALH	220
AJ*A90LALH	220
AJ*108LALH	275
AJ*126LALH	296
AJ*144LALH	296

■ CONVEYING BY FORKLIFT

- When using the forklift to convey the unit, pass the forklift arms through the opening space as shown in below.

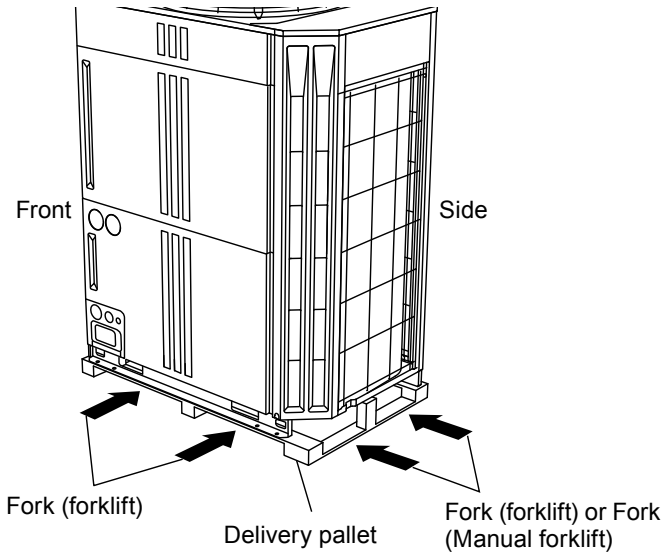
  Front : Bottom of the wooden delivery pallet.

  Side : Space between pallet and cabinet.

- Enable to remove the pallet from cabinet.
- Be careful not to be damaged.

■ CONVEYING BY FORKLIFT(Manual forklift: hand-fork)

- When using the manual forklift to convey the unit, pass the forklift arms through the opening space between pallet and cabinet from side.



SYSTEM DESIGN

6-2. PIPING DESIGN

6-2-1. IMPORTANT ITEMS WHEN USING NEW REFRIGERANT (R410A)

R410A operates at higher pressure and has less solubility with mineral oil than traditional R22 refrigerant. Therefore, the lubricant and a part of pipe material are different. Some special tools are necessary.

■ REFRIGERANT PIPING MATERIAL AND WALL THICKNESS

It is necessary to use seamless copper tubes for refrigerant use.
Thickness of tubes are shown in table below.
Endurance pressure of the pipe must be 4.2 MPa.

Nominal Diameter	(in)	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1-1/8"	1-3/8"	1-5/8"
Outside Diameter	(mm)	6.35	9.52	12.70	15.88	19.05	22.22	28.58	34.92	41.27
Material		JIS H3300 C1220T-O or equivalent *1					JIS H3300 C1220T-H or equivalent *2			
Wall Thickness *3	(mm)	0.8	0.8	0.8	1.0	1.2	1.0	1.0	1.2	1.43

*1: Allowable tensile stress ≥ 33 (N/mm^2)
*2: Allowable tensile stress ≥ 61 (N/mm^2)
*3: Endurance pressure of the pipe must be 4.2 MPa.

Please select the pipe size in accordance with local rules.

■ LUBRICANT

Refrigerant	R410A (Mixed refrigerant)
Lubricant	Synthetic oil

■ TOOLS

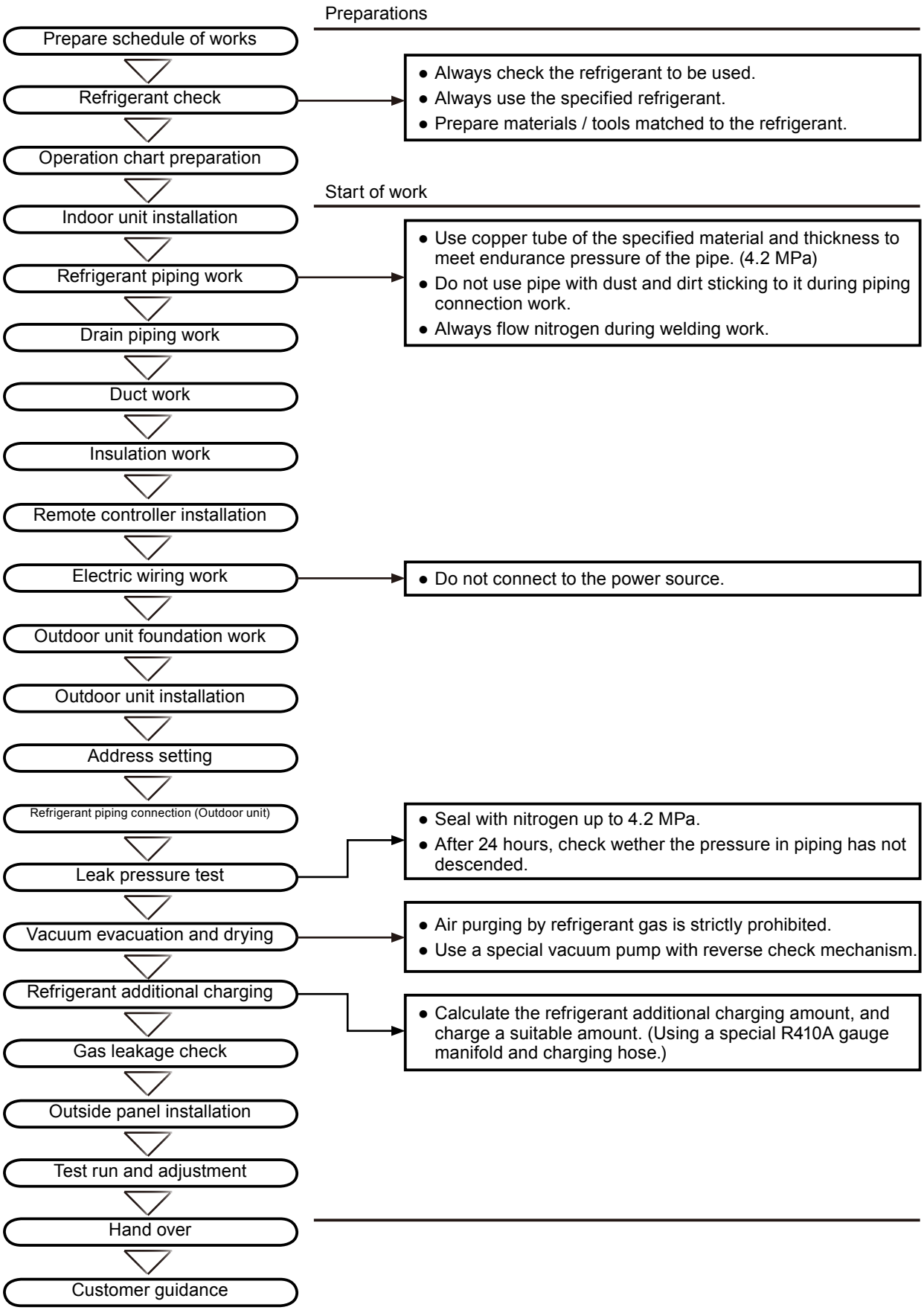
R410A work requires a number of special tools. Since the tools (with *4 symbol) for R22 work cannot be used for R410A, prepare them beforehand.

Tool name	Process and application	
Pipe cutter	Pipe cutting	Refrigerant piping work
Flaring tool *4	Pipe flaring work	
Torque wrench *4	Flare nut connection	
Expander	Expansion at pipe connection	
Pipe bender	Pipe bending work	
Nitrogen gas	Pipe interior oxidation prevention	Air tightness test
Welder	Pipe brazing	
Gauge manifold *4	Vacuum evacuation and refrigerant charging Operation check	Air tightness test ~ Refrigerant additional charging
Charging hose *4		
Vacuum pump (with adaptor) *4		Vacuum drying
Electronic scale for refrigerant charging		Refrigerant additional charging
Gas leak tester *4	Gas leakage test	

*4: Please refer to a service manual for details.

SYSTEM DESIGN

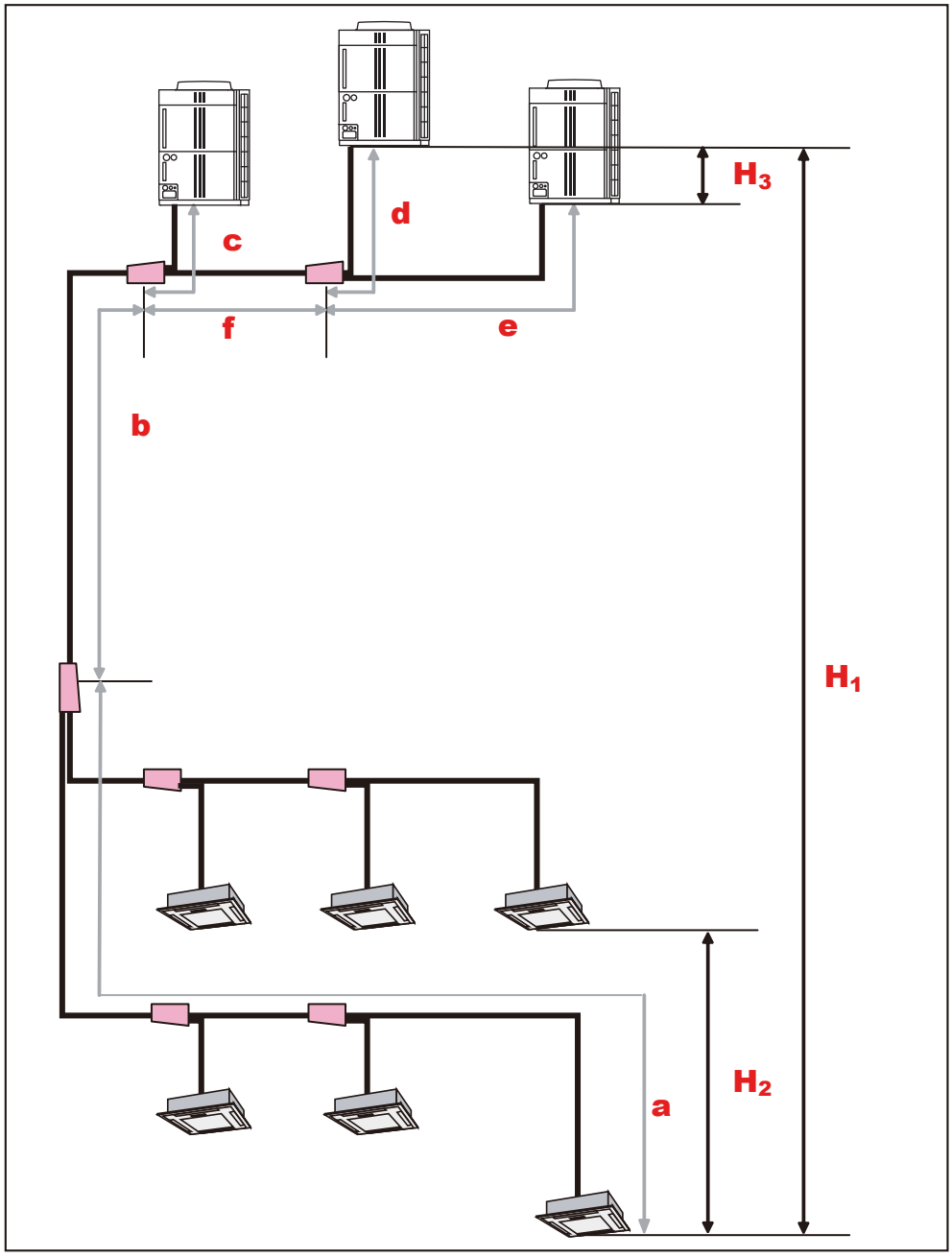
■ WORK FLOW (EXAMPLE)



SYSTEM DESIGN

6-2-2. LIMITATION

■ IN THE CASE OF THREE OUTDOOR UNITS CONNECTED



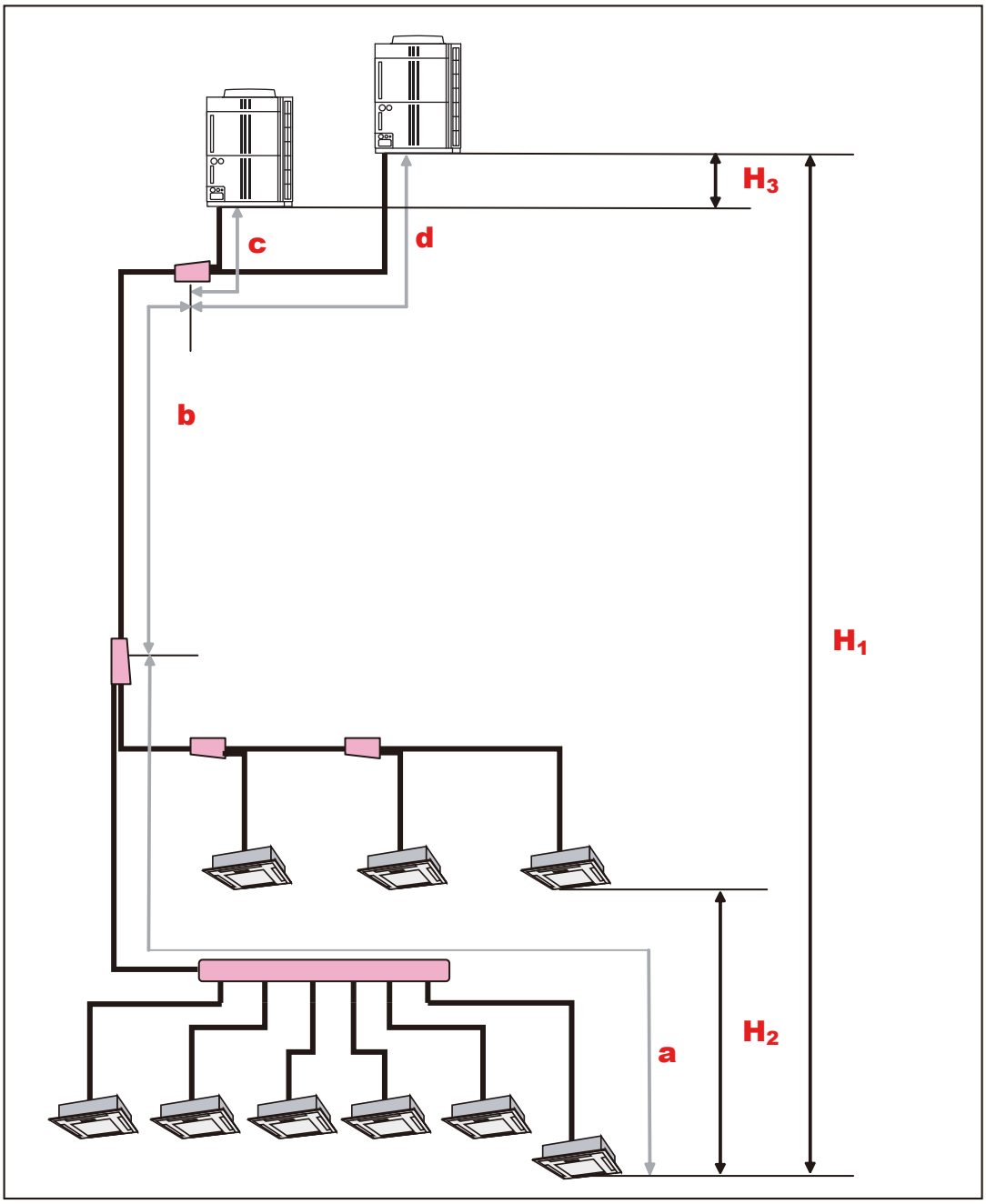
Limitation			Diagram
Maximum allowable pipe length (actual pipe length)	Between master outdoor unit and the farthest indoor unit	150m	a + b + c
	Between the first separation tube and the farthest indoor unit	60m	a
	Total pipe length	1000m *1	Total
	Between outdoor unit and outdoor unit branch kit	3m	c, d, e
	Between the farthest outdoor unit to the first outdoor unit branch kit	12m	d + f, e + f
Maximum allowable height difference	Between outdoor unit and indoor unit	50m *2	H1
	Between indoor unit	15m	H2
	Between outdoor unit	0.5m	H3

＊1 : Total pipe length is limited by the condition that total refrigerant amount should not exceed 94.5kg.

＊2 : When outdoor unit is installed below, 40m

SYSTEM DESIGN

■ IN THE CASE OF TWO OUTDOOR UNITS CONNECTED



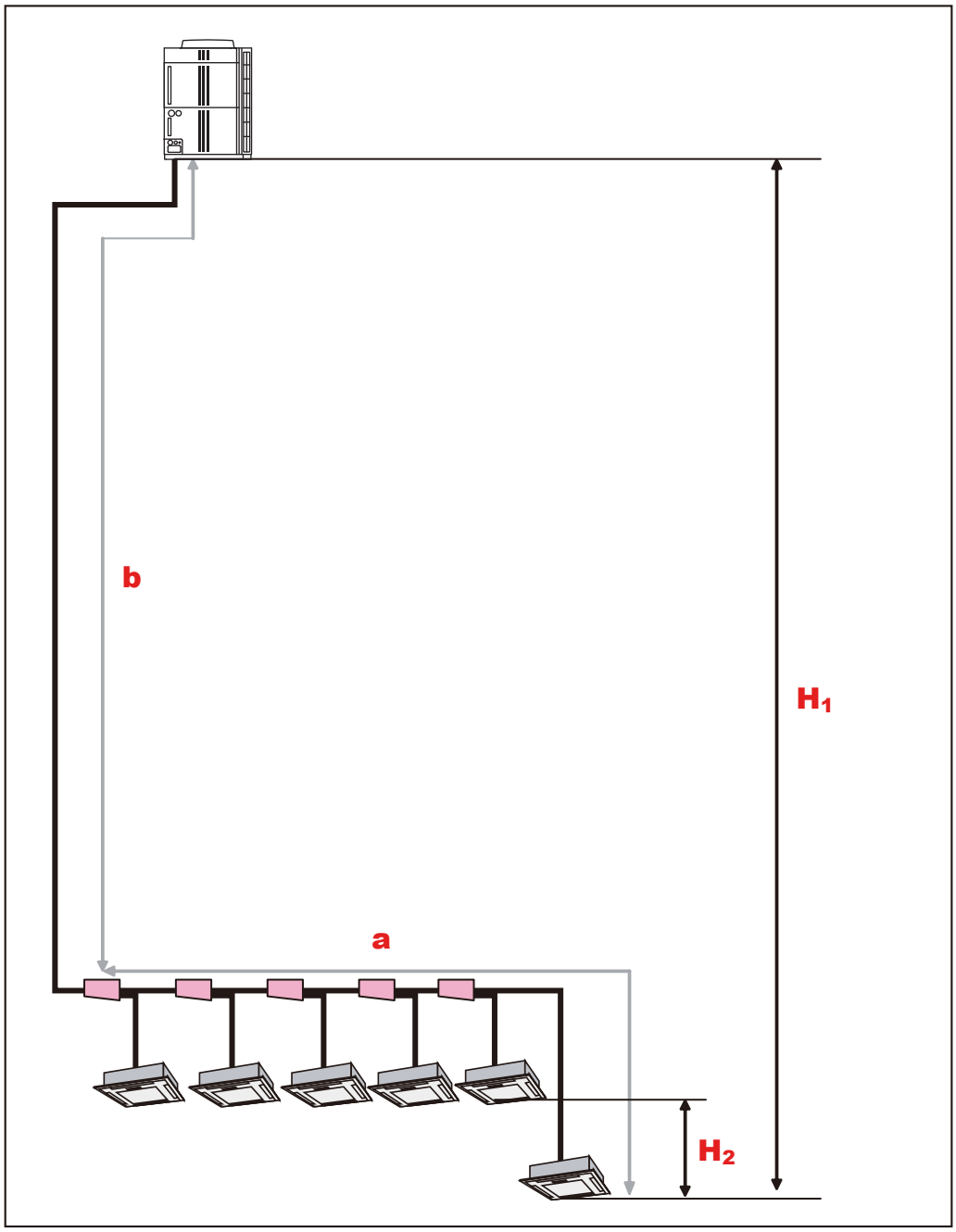
Limitation			Diagram
Maximum allowable pipe length (actual pipe length)	Between master outdoor unit and the farthest indoor unit	150m	a + b + c
	Between the first separation tube and the farthest indoor unit	60m	a
	Total pipe length	1000m *1	Total
	Between outdoor unit and outdoor unit branch kit	3m	c, d
Maximum allowable height difference	Between outdoor unit and indoor unit	50m *2	H1
	Between indoor unit	15m	H2
	Between outdoor unit	0.5m	H3

＊1 : Total pipe length is limited by the condition that total refrigerant amount should not exceed 63.0kg.

＊2 : When outdoor unit is installed below, 40m

SYSTEM DESIGN

■ IN THE CASE OF ONE OUTDOOR UNIT CONNECTED



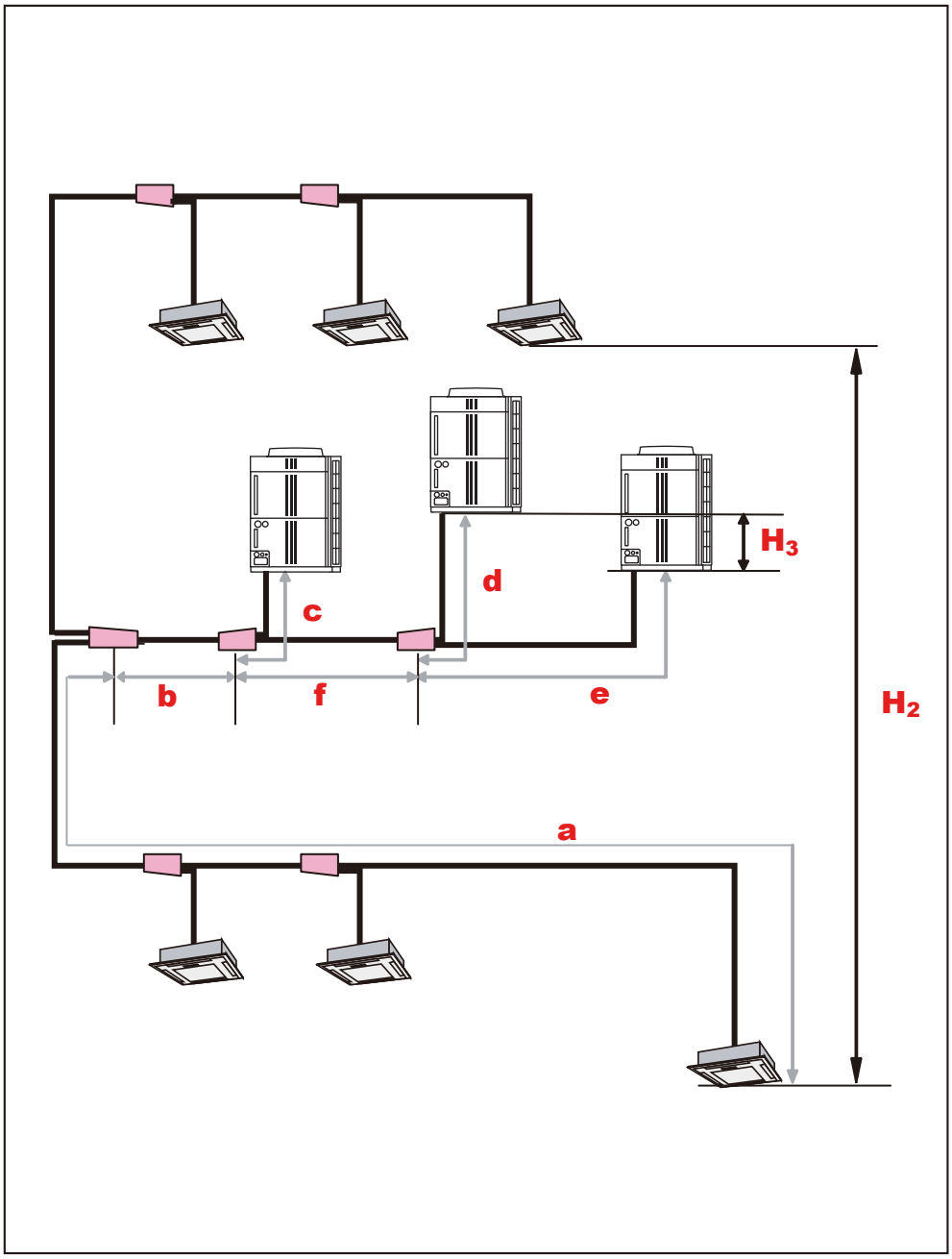
Limitation			Diagram
Maximum allowable pipe length (actual pipe length)	Between master outdoor unit and the farthest indoor unit	150m	a + b
	Between the first separation tube and the farthest indoor unit	60m	a
	Total pipe length	700m *1	Total
Maximum allowable height difference	Between outdoor unit and indoor unit	50m *2	H1 *3
	Between indoor unit	15m	H2

＊1 : Total pipe length is limited by the condition that total refrigerant amount should not exceed 31.5kg.

＊2 : When outdoor unit is installed below, 40m

＊3 : When cooling operation will be conducted at outdoor air temperature below -5°C, the outdoor unit must be installed in a position that is higher than or equal to those of indoor units.

■IN THE CASE OF SET UP THE INDOOR UNIT IN BOTH THE UPPER SIDE AND THE LOWER SIDE OF THE OUTDOOR UNIT



Limitation			Diagram
Maximum allowable pipe length (actual pipe length)	Between master outdoor unit and the farthest indoor unit	150m	a + b + c
	Between the first separation tube and the farthest indoor unit	60m	a
	Total pipe length	1000m *1	Total
	Between outdoor unit and outdoor unit branch kit	3m	c, d, e
	Between the farthest outdoor unit to the first outdoor unit branch kit	12m	d + f, e + f
Maximum allowable height difference	Between indoor unit	15m	H2
	Between outdoor unit	0.5m	H3

＊1 : Total pipe length is limited by the condition that total refrigerant amount should not exceed 94.5kg.

SYSTEM DESIGN

■ CAUTION

Keep the "piping limitation" for correct operation.

● Allowable height difference:

If the height difference between the indoor unit and outdoor unit is larger than the allowable value:

* The pressure loss will be larger → Insufficient cooling and heating
* The refrigerant in liquid pipe will flush → Refrigerant flow noise generate at indoor unit
* The refrigerant oil will not return → Insufficient refrigerant oil resulting in compressor damage

If the height difference between indoor unit is larger than the allowable value:

* The refrigerant flow balance will be poor → Insufficient cooling and heating (poor balance)
* Refrigerant oil will collect in the piping or non-operating indoor units
  → Insufficient refrigerant oil resulting in compressor damage

● Pipe length:

If the pipe length is longer than prescribed:

* The pressure loss will be larger → Insufficient cooling and heating
* Too much refrigerant will be charged → Liquid backs up resulting in compressor damage
* The refrigerant oil will not return → Insufficient refrigerant oil resulting in compressor damage

● Pipe size:

If the pipe size is larger than designated size:

* The refrigerant flow velocity will drop. Refrigerant oil will not return to the outdoor unit.
  → Insufficient refrigerant oil resulting in compressor damage
* The refrigerant in liquid pipe will flush easily → Insufficient cooling and heating

If the pipe size is smaller than designated size:

* The refrigerant circulation volume will drop → Insufficient cooling and heating
* The pressure loss will be larger → Insufficient cooling and heating

● Indoor unit connected capacity:

If the indoor unit connected capacity is larger than the system capable capacity:

* Insufficient system performance → Insufficient cooling and heating
* When heating, refrigerant will collect in non-operating indoor units resulting in an insufficient refrigerant circulation volume → Insufficient cooling and heating
* The refrigerant oil will not return → Compressor damage

If the indoor unit connected capacity is too small compared to the system capacity:

* The liquid return will be too great → Compressor damage
* The refrigerant will concentrate in the operating unit
  → Continuous operation will become difficult due to triggering of the protection in response to the pressure high-rise, etc., and noise will be generated by the refrigerant flow when heating

SYSTEM DESIGN

6-2-3. PIPE SIZE

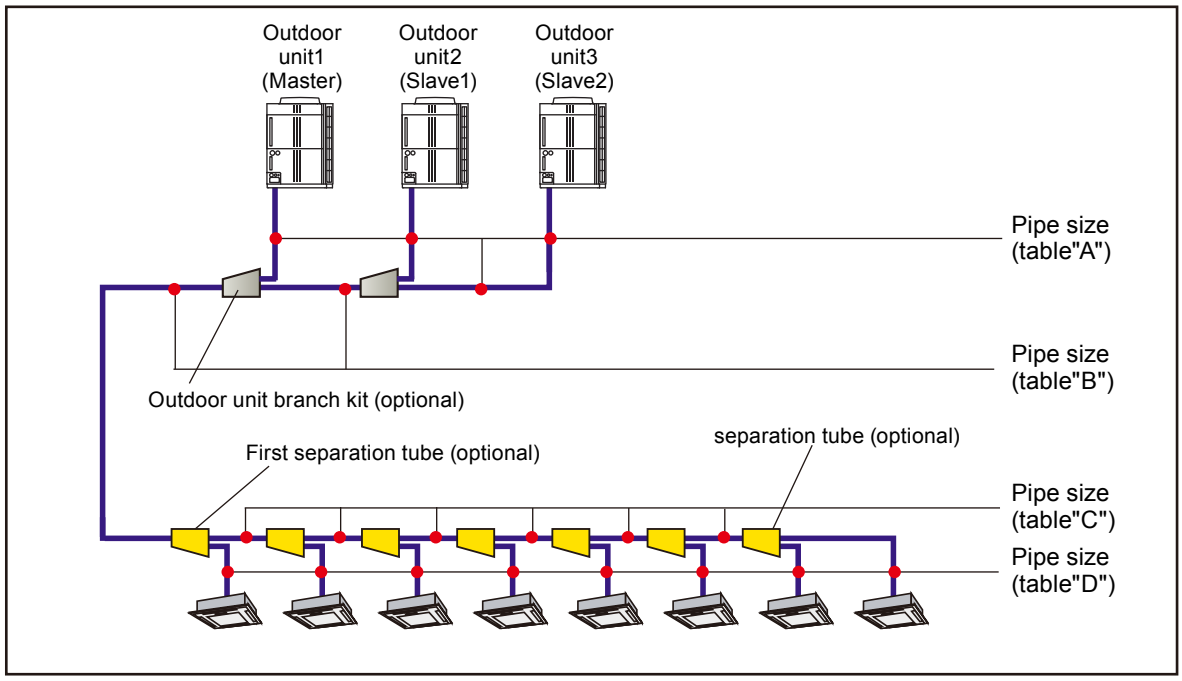
■ PIPE DIAMETER, RECOMMENDED MATERIAL AND WALL THICKNESS

Nominal Diameter	(in)	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1-1/8"	1-3/8"	1-5/8"
Outside Diameter	(mm)	6.35	9.52	12.70	15.88	19.05	22.22	28.58	34.92	41.27
Material		JIS H3300 C1220T-O or equivalent *1					JIS H3300 C1220T-H or equivalent *2			
Wall Thickness *3	(mm)	0.8	0.8	0.8	1.0	1.2	1.0	1.0	1.2	1.43

*1: Allowable tensile stress ≥ 33 (N/mm^2)
*2: Allowable tensile stress ≥ 61 (N/mm^2)
*3: Endurance pressure of the pipe must be 4.2 MPa.

Please select the pipe size in accordance with local rules.

■ PIPE SIZE SELECTION



● **Caution**

After referring to "COOLING CAPACITY TABLE" followed, select each Pipe size, Separation tube and Header from "COOLING CAPACITY TABLE" of Outdoor unit and Indoor unit connected in the system.

● Pipe size table "A"

(Between outdoor unit to outdoor unit branch kit)

HP	Model code	Outdoor unit cooling capacity (kW)	Outside diameter mm (in)		Branch kit
			Liquid pipe	Gas pipe	
8	72	22.4	12.70 (1/2")	22.22 (7/8")	UTR-CP567X
10	90	28.0	12.70 (1/2")	22.22 (7/8")	
12	108	33.5	12.70 (1/2")	28.58 (1-1/8")	
14	126	40.0	12.70 (1/2")	28.58 (1-1/8")	
16	144	45.0	12.70 (1/2")	28.58 (1-1/8")	

SYSTEM DESIGN

● Pipe size table "B"

(Between outdoor unit branch kits or outdoor unit branch kit to first separation tube)

Total cooling capacity of outdoor unit (kW)	Outside diameter mm (in)	
	Liquid pipe	Gas pipe
22.4 to 28.0	12.70 (1/2")	22.22 (7/8")
28.1 to 45.0	12.70 (1/2")	28.58 (1-1/8")
45.1 to 56.0	15.88 (5/8")	28.58 (1-1/8")
56.1 to 80.0	15.88 (5/8")	34.92 (1-3/8")
80.1 to 96.0	19.05 (3/4")	34.92 (1-3/8")
96.1 or more	19.05 (3/4")	41.27 (1-5/8")

● Pipe size table "C"

(Between separation tubes)

Total cooling capacity of indoor unit (kW)	Outside diameter mm (in)		Separation tube
	Liquid pipe	Gas pipe	
4.4 to 11.1	9.52 (3/8")	15.88 (5/8")	UTR-BP090X
11.2 to 13.9	9.52 (3/8")	19.05 (3/4")	
14.0 to 28.0	12.70 (1/2")	22.22 (7/8")	
28.1 to 44.7	12.70 (1/2")	28.58 (1-1/8")	UTR-BP180X
44.8 to 56.0	15.88 (5/8")	28.58 (1-1/8")	
56.1 to 80.0	15.88 (5/8")	34.92 (1-3/8")	UTR-BP567X
80.1 to 95.0	19.05 (3/4")	34.92 (1-3/8")	
95.1 or more	19.05 (3/4")	41.27 (1-5/8")	

* If the selected pipe diameter between separation tubes (based on table "C") becomes larger than the pipe diameter between outdoor unit branch kit and the first separation tube (based on table "B"),please select the pipe whose diameter is equal to the one between outdoor unit branch kit and the first separation tube.

(If pipe diameter C > B, select pipe size from table B)

* "Total cooling capacity of indoor unit" is the total value for the cooling capacity of indoor unit connected downstream.

● Pipe size table "D"

Model code	Cooling capacity of indoor unit (kW)	Outside diameter mm (in)	
		Liquid pipe	Gas pipe
07, 09, 12, 14	2.2, 2.8, 3.6, 4.0, 4.5	6.35 (1/4")	12.70 (1/2")
18, 24, 30	5.6, 7.1, 8.0, 9.0	9.52 (3/8")	15.88 (5/8")
36, 45, 54, 60	11.2, 12.5, 14.0, 18.0	9.52 (3/8")	19.05 (3/4")
72, 90	22.4, 25.0	12.70 (1/2")	22.22 (7/8")

SYSTEM DESIGN

■ OUTDOOR UNIT BRANCH KIT

System	Model	Q'ty
2 outdoor units	UTR-CP567X	1
3 outdoor units		2

* When using single outdoor unit, outdoor unit branch kit is not necessary.

■ INDOOR SIDE BRANCH KIT

● Separation tube

Total cooling capacity of indoor unit (kW)	Separation tube
28.0 or less	UTR-BP090X
28.1 to 56.0	UTR-BP180X
56.1 or more	UTR-BP567X

● Header

Total cooling capacity of indoor unit (kW)	Header	
	3-6 Branches	3-8 Branches
28.0 or less	UTR-H0906L	UTR-H0908L
28.1 to 56.0	UTR-H1806L	UTR-H1808L

● EV kit

These models are used for Compact Wall Mounted Type(EEV external model)

Application model	Model
AS∗E07LACH AS∗E09LACH	UTR-EV09XB
AS∗E12LACH AS∗E14LACH	UTR-EV14XB

* "Total cooling capacity of indoor unit" is the total value for the cooling capacity of indoor unit connected downstream.

SYSTEM DESIGN

■ COOLING CAPACITY TABLE

● Outdoor unit

• Space saving combination

HP	Capacity (kW)	Set model name	Unit1 (Model name)	Unit2 (Model name)	Unit3 (Model name)
8	22.4	AJ∗A72LALH	AJ∗A72LALH	-	-
10	28.0	AJ∗A90LALH	AJ∗A90LALH	-	-
12	33.5	AJ∗108LALH	AJ∗108LALH	-	-
14	40.0	AJ∗126LALH	AJ∗126LALH	-	-
16	45.0	AJ∗144LALH	AJ∗144LALH	-	-
18	50.4	AJ∗162LALH	AJ∗A90LALH	AJ∗A72LALH	-
20	55.9	AJ∗180LALH	AJ∗108LALH	AJ∗A72LALH	-
22	61.5	AJ∗198LALH	AJ∗108LALH	AJ∗A90LALH	-
24	67.0	AJ∗216LALH	AJ∗108LALH	AJ∗108LALH	-
26	73.5	AJ∗234LALH	AJ∗126LALH	AJ∗108LALH	-
28	78.5	AJ∗252LALH	AJ∗144LALH	AJ∗108LALH	-
30	85.0	AJ∗270LALH	AJ∗144LALH	AJ∗126LALH	-
32	90.0	AJ∗288LALH	AJ∗144LALH	AJ∗144LALH	-
34	95.0	AJ∗306LALH	AJ∗108LALH	AJ∗108LALH	AJ∗A90LALH
36	100.5	AJ∗324LALH	AJ∗108LALH	AJ∗108LALH	AJ∗108LALH
38	107.0	AJ∗342LALH	AJ∗126LALH	AJ∗108LALH	AJ∗108LALH
40	112.0	AJ∗360LALH	AJ∗144LALH	AJ∗108LALH	AJ∗108LALH
42	118.5	AJ∗378LALH	AJ∗144LALH	AJ∗126LALH	AJ∗108LALH
44	123.5	AJ∗396LALH	AJ∗144LALH	AJ∗144LALH	AJ∗108LALH
46	130.0	AJ∗414LALH	AJ∗144LALH	AJ∗144LALH	AJ∗126LALH
48	135.0	AJ∗432LALH	AJ∗144LALH	AJ∗144LALH	AJ∗144LALH

• Energy efficiency combination

HP	Capacity (kW)	Set model name	Unit1 (Model name)	Unit2 (Model name)	Unit3 (Model name)
16	44.8	AJ∗144LALHH	AJ∗A72LALH	AJ∗A72LALH	-
22	62.4	AJ∗198LALHH	AJ∗126LALH	AJ∗A72LALH	-
24	67.2	AJ∗216LALHH	AJ∗A72LALH	AJ∗A72LALH	AJ∗A72LALH
26	72.8	AJ∗234LALHH	AJ∗A90LALH	AJ∗A72LALH	AJ∗A72LALH
28	78.3	AJ∗252LALHH	AJ∗108LALH	AJ∗A72LALH	AJ∗A72LALH
30	84.8	AJ∗270LALHH	AJ∗126LALH	AJ∗A72LALH	AJ∗A72LALH
32	89.4	AJ∗288LALHH	AJ∗108LALH	AJ∗108LALH	AJ∗A72LALH
34	95.9	AJ∗306LALHH	AJ∗126LALH	AJ∗108LALH	AJ∗A72LALH
36	102.4	AJ∗324LALHH	AJ∗126LALH	AJ∗126LALH	AJ∗A72LALH
40	113.5	AJ∗360LALHH	AJ∗126LALH	AJ∗126LALH	AJ∗108LALH
42	120.0	AJ∗378LALHH	AJ∗126LALH	AJ∗126LALH	AJ∗126LALH
44	125.0	AJ∗396LALHH	AJ∗144LALH	AJ∗126LALH	AJ∗126LALH

SYSTEM DESIGN

● Indoor unit

Type	Cooling capacity (kW)	Model name
Compact Cassette	2.2	AUXB07LALH
	2.8	AUXB09LALH
	3.6	AUXB12LALH
	4.5	AUXB14LALH
	5.6	AUXB18LALH
	7.1	AUXB24LALH
Cassette	5.6	AUXD18LALH
	7.1	AUXD24LALH
	9.0	AUXA30LALH
	11.2	AUXA36LALH
	12.5	AUXA45LALH
	14.0	AUXA54LALH
Compact Duct	2.2	ARXB07LALH
	2.8	ARXB09LALH
	3.6	ARXB12LALH
	4.5	ARXB14LALH
	5.6	ARXB18LALH
Low Static Pressure Duct	7.1	ARXB24LATH
	9.0	ARXB30LATH
	11.2	ARXB36LATH
	12.5	ARXB45LATH
Duct	7.1	ARXA24LATH
	9.0	ARXA30LATH
	11.2	ARXA36LATH
	12.5	ARXA45LATH

Type	Cooling capacity (kW)	Model name
High Static Pressure Duct	11.2	ARXC36LATH
	12.5	ARXC45LATH
	18.0	ARXC60LATH
	22.4	ARXC72LATH
	25.0	ARXC90LATH
Floor / Ceiling	3.6	AB∗A12LATH
	4.0	AB∗A14LATH
	5.6	AB∗A18LATH
	7.1	AB∗A24LATH
Ceiling	9.0	AB∗A30LATH
	11.2	AB∗A36LATH
	12.5	AB∗A45LATH
	14.0	AB∗A54LATH
Compact Wall Mounted (EEV internal model)	2.2	AS∗A07LACH
	2.8	AS∗A09LACH
	3.6	AS∗A12LACH
	4.5	AS∗A14LACH
Compact Wall Mounted (EEV external model)	2.2	AS∗E07LACH
	2.8	AS∗E09LACH
	3.6	AS∗E12LACH
	4.5	AS∗E14LACH
Wall Mounted	5.6	AS∗A18LATH
	7.1	AS∗A24LATH
	8.0	AS∗A30LATH

SYSTEM DESIGN

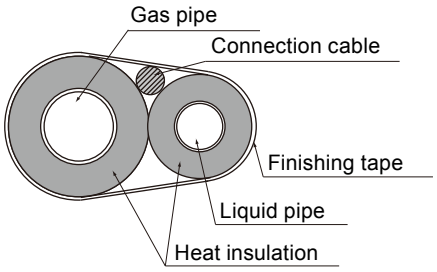
6-2-4. SELECTION OF PIPE HEAT INSULATING MATERIAL

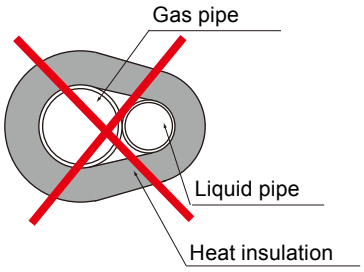
- Always insulate the refrigerant pipe to prevent condensation and water droplets by the refrigerant pipe.
- Decide the thickness of the heat insulating material by referring to the recommended minimum thickness in Table 1. (For installation condition T=32°C(DB),humidity≤70%, humidity≤75%, humidity≤80%, humidity≤85%)
- When the outdoor unit is installed in a higher position than the indoor unit, fill the connecting part gap with putty, etc. to prevent the dew condensation water of the valve of the outdoor unit from flowing to the indoors from the gap between the pipe and the heat insulating material.
- Liquid pipe and gas pipe should be completely insulated with same specification.
- In case not to insulate and not to seal refrigerant pipe completely, it will become the cause of water leak.

Table1 Size of refrigerant pipe and recommended minimum thickness of heat insulating material (In case a heat insulating material which thermal conductivity is equal to or less than 0.040 W/(m·k) is used.)

		Recommended minimum thickness for heat insulating material (mm)			
Relative humidity		≤70%	≤75%	≤80%	≤85%
Refrigerant pipe Outside diameter mm (in.)	6.35 (1/4")	8	10	13	17
	9.52 (3/8")	9	11	14	18
	12.70 (1/2")	10	12	15	19
	15.88 (5/8")	10	12	16	20
	19.05 (3/4")	10	13	16	21
	22.22 (7/8")	11	13	17	22
	28.58 (1-1/8")	11	14	18	23
	34.92 (1-3/8")	11	14	18	24
	41.27 (1-5/8")	12	15	19	25

- When an ambient temperature and relative humidity exceed 32°C (DB)and 85% respectively, please strengthen heat insulation of refrigerant pipe. If necessary put a heat insulation on indoor unit casing. When not strengthening heat insulation of refrigerant pipe, the surface of the heat insulation may be dewed.
- Since gas pipe becomes high temperature at heating operation for heatpump type, please select the heat insulating material which heat-resistant temperature is 120°C or more.





- Make sure that pipe is covered completely by the heat insulation,not expoding to air. Inadequate heat insulation may cause condensation.
- Do not cover heat insulation gas and liquid pipes together as above figure. It may cause condensation and capacity drop by heat loss.

SYSTEM DESIGN

6-2-5. ADDITIONAL CHARGE CALCULATION

- The outdoor unit is charged refrigerant at the factory.
- Additional refrigerant required to be charged on site depending on pipe length and outdoor unit model.
- The additional refrigerant charge amount is calculated according to the following formula.
- The overall refrigerant amount should not be exceed 30kg per outdoor unit.
- Round up the calculated result to two decimal places.

■ CALCULATION OF ADDITIONAL CHARGE REFRIGERANT

Model	HP	d Factory charged amount (kg)	a Additional amount for outdoor unit (kg)	Diameter of liquid pipe (mm)	b Additional amount for pipe length (kg/m)
AJ∗A72LALH	8	11.20	0	ø6.35	0.021
AJ∗A90LALH	10	11.20	0	ø9.52	0.058
AJ∗108LALH	12	11.80	1.20	ø12.70	0.114
AJ∗126LALH	14	11.80	3.30	ø15.88	0.178
AJ∗144LALH	16	11.80	3.30	ø19.05	0.268

1. Calculation of additional amount for outdoor unit

A= [a : Outdoor unit 1 additional amount for outdoor unit ____ kg] + [a : Outdoor unit 2 additional amount for outdoor unit ____ kg] + [a : Outdoor unit 3 additional amount for outdoor unit ____ kg] = [Total ____ kg]

2. Calculation of additional amount for pipe length

B= [Total length of ø19.05mm liquid pipe ____ m] x [b : 0.268 kg/m] = ____ kg + [Total length of ø15.88mm liquid pipe ____ m] x [b : 0.178 kg/m] = ____ kg + [Total length of ø12.70mm liquid pipe ____ m] x [b : 0.114 kg/m] = ____ kg +

[Total length of ø9.52mm liquid pipe ____ m] x [b : 0.058 kg/m] = ____ kg + [Total length of ø6.35mm liquid pipe ____ m] x [b : 0.021 kg/m] = ____ kg = [Total ____ kg]

3. Calculation of additional charge refrigerant

C = A + B = ____ kg Round up C to 2 decimal place.

4. Calculation of factory charged amount

D= [d : Outdoor unit 1 factory charged amount ____ kg] + [d : Outdoor unit 2 factory charged amount ____ kg] + [d : Outdoor unit 3 factory charged amount ____ kg] = [Total ____ kg]

5. Total refrigerant amount check

E = C + D = ____ kg

Note : Check the total refrigerant amount under the following conditions.

Condition	Computational formula
For 1 outdoor unit per refrigerant system : Total amount of refrigerant ≤ 31.5kg	E ≤ 31.5kg
For 2 outdoor units per refrigerant system : Total amount of refrigerant ≤ 63.0kg	E ≤ 63.0kg
For 3 outdoor units per refrigerant system : Total amount of refrigerant ≤ 94.5kg	E ≤ 94.5kg

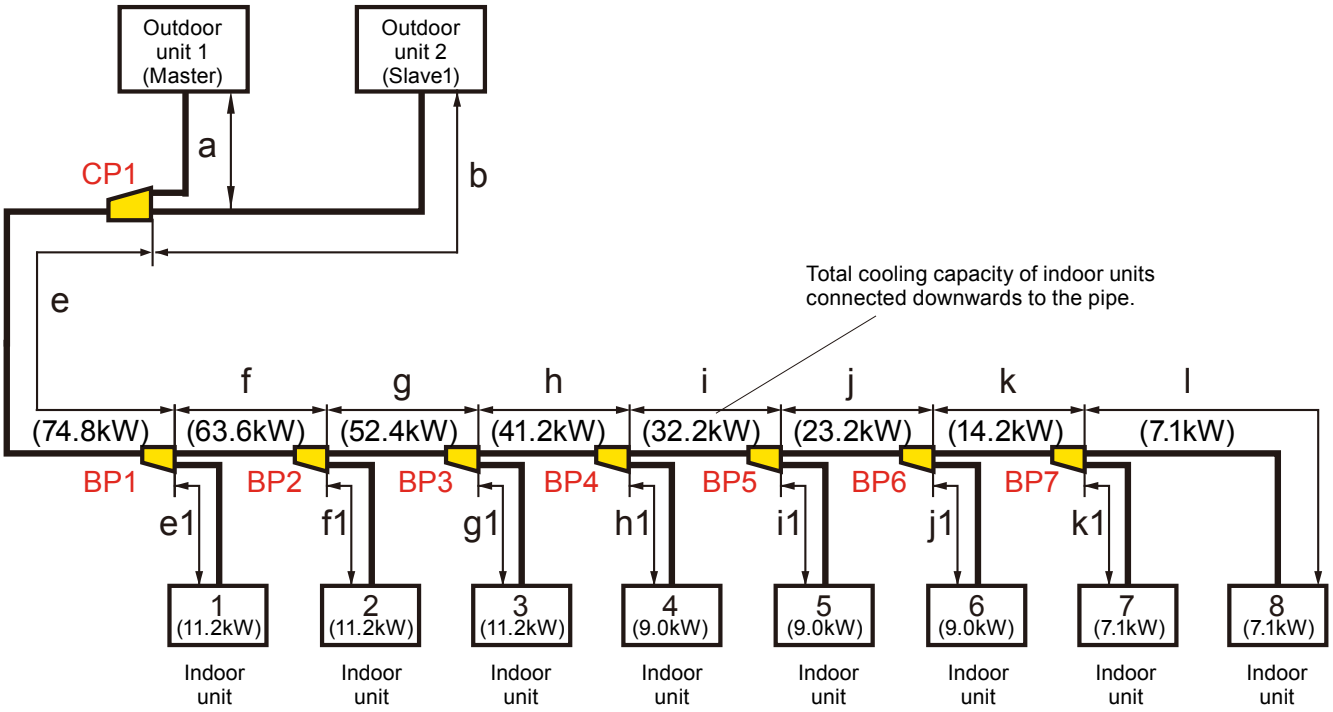
When total refrigerant amount exceed limitation.

- Reduce pipe length for refrigerant system.
- Change the refrigerant system configuration.

SYSTEM DESIGN

6-2-6. EXAMPLE OF PIPING DESIGN

■ REFRIGERANT SYSTEM 1



● System configuration (Indoor units)

	1	2	3	4	5	6	7	8	Total Capacity (kW)
Model name	ARXB36	ARXB36	ARXB36	ARXB30	ARXB30	ARXB30	ARXB24	ARXB24	74.8
Capacity (kW)	11.2	11.2	11.2	9.0	9.0	9.0	7.1	7.1	

● System configuration (Outdoor units: Space saving combination)

	Outdoor unit 1 (Master)	Outdoor unit 2 (Slave1)	Total Capacity
Model name	AJ∗126	AJ∗108	26HP
Capacity (kW)	40.0	33.5	73.5 (kW)

● Capacity ratio

(Total indoor unit capacity) / (Total outdoor unit capacity)

= (74.8) / (73.5) = 101.8% (Within 50% to 150%)

● Selection of branch kit

Branch point No.	Total cooling capacity of downstream indoor units (kW)	Model
BP1	74.8	UTR-BP567X
BP2	63.6	UTR-BP567X
BP3	52.4	UTR-BP180X
BP4	41.2	UTR-BP180X
BP5	32.2	UTR-BP180X
BP6	23.2	UTR-BP090X
BP7	14.2	UTR-BP090X
CP1	-	UTR-CP567X

Model	Q'ty
UTR-BP567X	2
UTR-BP180X	3
UTR-BP090X	2
UTR-CP567X	1

SYSTEM DESIGN

● Selection of pipe size

	a	b	c	d	e	e1	f	f1	g	g1
Liquid pipe	12.70	12.70			15.88	9.52	15.88	9.52	15.88	9.52
Gas pipe	28.58	28.58			34.92	19.05	34.92	19.05	28.58	19.05
Length (m) Example	2	2			40	10	5	10	5	10

	h	h1	i	i1	j	j1	k	k1	l	
Liquid pipe	12.70	9.52	12.70	9.52	12.70	9.52	12.70	9.52	9.52	
Gas pipe	28.58	15.88	28.58	15.88	22.22	15.88	22.22	15.88	15.88	
Length (m) Example	5	10	5	10	5	10	5	10	10	

● Calculation of additional charge refrigerant

1. Calculation of additional amount for outdoor unit

	Model	Additional amount for outdoor unit (kg)
Outdoor unit1	AJ∗126	3.30
Outdoor unit2	AJ∗108	1.20

A = 3.30 + 1.20 = 4.50 (kg)

2. Calculation of additional amount for pipe length

Liquid pipe size	19.05	15.88	12.70	9.52	6.35
Additional refrigerant (kg/m)	0.268	0.178	0.114	0.058	0.021
Liquid pipe length (m)	0	50	24	80	0

B = (0.178 x 50) + (0.114 x 24) + (0.058 x 80) = 16.28 (kg)

3. Calculation of additional charge refrigerant

C = A + B = 4.50 + 16.28 = 20.78 (kg)

4. Calculation of factory charged amount

	Model	Factory charged amount (kg)
Outdoor unit1	AJ∗126	11.80
Outdoor unit2	AJ∗108	11.80

D = 11.80 + 11.80 = 23.60 (kg)

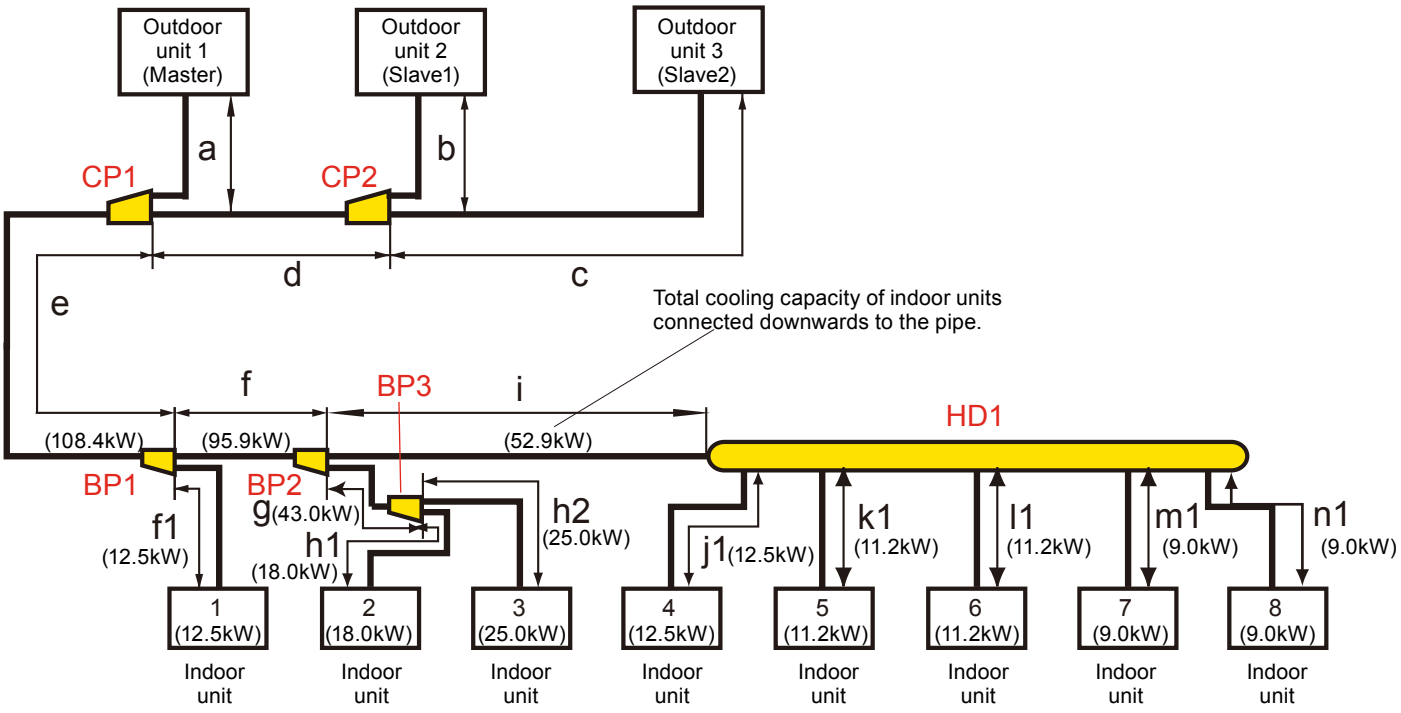
5. Total refrigerant amount check

E = C + D = 20.78 + 23.60 = 44.38(kg) < 63.0 (kg) → OK

Check pipe length and height difference between units by comparing with items shown in "6-2-2. LIMITATION".

SYSTEM DESIGN

■ REFRIGERANT SYSTEM 2



● System configuration (Indoor units)

	1	2	3	4	5	6	7	8	Total Capacity (kW)
Model name	AUXA45	ARXC60	ARXC90	AUXA45	AUXA36	AUXA36	AUXA30	AUXA30	108.4
Capacity (kW)	12.5	18.0	25.0	12.5	11.2	11.2	9.0	9.0	

● System configuration (Outdoor units: Energy efficiency combination)

	Outdoor unit 1 (Master)	Outdoor unit 2 (Slave1)	Outdoor unit 3 (Slave2)	Total Capacity
Model name	AJ∗126	AJ∗108	AJ∗A72	34HP
Capacity (kW)	40.0	33.5	22.4	95.9 (kW)

● Capacity ratio

(Total indoor unit capacity) / (Total outdoor unit capacity)

= (108.4) / (95.9) = 113.0% (Within 50% to 150%)

● Selection of branch kit

Branch point No.	Total cooling capacity of downstream indoor units (kW)	Model
BP1	108.4	UTR-BP567X
BP2	95.9	UTR-BP567X
BP3	43.0	UTR-BP180X
HD1	52.9	UTR-H1806L
CP1	-	UTR-CP567X
CP2	-	UTR-CP567X

Model	Q'ty
UTR-BP567X	2
UTR-BP180X	1
UTR-H1806L	1
UTR-CP567X	2

SYSTEM DESIGN

● Selection of pipe size

	a	b	c	d	e	f *	f1	g	h1	h2
Liquid pipe	12.70	12.70	12.70	15.88	19.05	19.05	9.52	12.70	9.52	12.70
Gas pipe	28.58	28.58	22.22	28.58	34.92	34.92	19.05	28.58	19.05	22.22
Length (m) Example	2	2	2	2	40	10	10	5	5	10

	i	j1	k1	l1	m1	n1				
Liquid pipe	15.88	9.52	9.52	9.52	9.52	9.52				
Gas pipe	28.58	19.05	19.05	19.05	19.05	19.05				
Length (m) Example	20	10	5	10	5	10				

* Pipe size "f" selection : Even though this pipe size might be selected based on downstream cooling capacity (95.9kW) 19.05 / 41.27, This pipe size should not be larger than pipe size "e". Therefore select pipe size equal to pipe size "e" (19.05 / 34.92).

● Calculation of additional charge refrigerant

1. Calculation of additional amount for outdoor unit

	Model	Additional amount for outdoor unit (kg)
Outdoor unit1	AJ∗126	3.30
Outdoor unit2	AJ∗108	1.20
Outdoor unit3	AJ∗A72	0

A = 3.30 + 1.20 + 0 = 4.50 (kg)

2. Calculation of additional amount for pipe length

Liquid pipe size	19.05	15.88	12.70	9.52	6.35
Additional refrigerant (kg/m)	0.268	0.178	0.114	0.058	0.021
Liquid pipe length (m)	50	22	21	55	0

B = (0.268 x 50) + (0.178 x 22) + (0.114 x 21) + (0.058 x 55) = 22.90 kg

3. Calculation of additional charge refrigerant

C = A + B = 4.50 + 22.90 = 27.40 (kg)

4. Calculation of factory charged amount

	Model	Factory charged amount (kg)
Outdoor unit1	AJ∗126	11.80
Outdoor unit2	AJ∗108	11.80
Outdoor unit3	AJ∗A72	11.20

D = 11.80 + 11.80 + 11.20 = 34.80 (kg)

5. Total refrigerant amount check

E = C + D = 27.40 + 34.80 = 62.20 (kg) < 94.5 (kg) → OK

Check pipe length and height difference between units by comparing with items shown in "6-2-2. LIMITATION".

SYSTEM DESIGN

6-3. PIPING CONNECTION

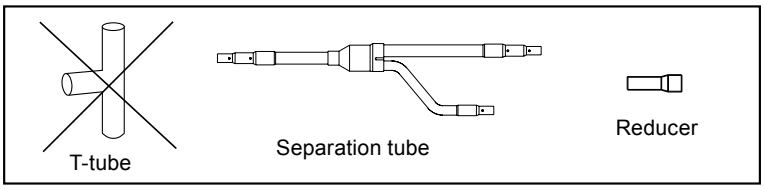
6-3-1. CAUTION OF PIPING

■ CAUTION

Keep the permissible length of every piping limitation to prevent a defect or cooling/heating failure.

● Piping material

- Use the designated size (Diameter & thickness) of refrigerant pipes.
- Those pipes purchased locally may contain dust inside. Please blow out the dust by dried inert gas when using.
- To process the branch, do not use T-shaped pipe, which causes a uneven refrigerant flow. Use the optionally available standard branch kit.



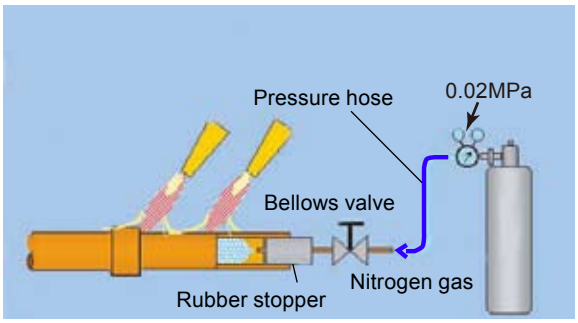
- When replacing the unit, never use piping which has been used for previous installations. Only use the new piping.

● Piping process strage

- Be careful to avoid the dust or water falling into the pipe when performing piping process and piping installation.
- When processing the pipe, make the number of bending portion as few as possible, and the bending radius as large as possible.
- If the diameter of the required pipe is different from the branch unit, either cut it out or use the reducer.

● Brazing

- While Brazing the pipes, be sure to blow dry nitrogen gas through them.
- If nitrogen gas is not blown through the pipes while they are being brazed, an oxidized layer may form on the inside of the pipes. If this occurs, the cooling efficiency may decrease and the air conditioner unit (compressor, valves, etc.) cause malfunction.



- When brazing the pipes, do not use flux. If the flux is chlorine-based, the pipes will corrode and when the flux contains fluorine, the refrigerant oil will deteriorate, etc. Using the flux has an adverse affect on the refrigerant piping system.
- For brazing materials, use phosphor copper solder that does not require flux.

● Piping treatment

- The pipes vibrate, expand, and contract during operation, so if loads are concentrated in one area, it could cause cracks in the pipes. Provide the pipe supports every 2 to 3m.
- Make sure to insulate the refrigeration pipes separately with ample thickness of heat-resistant polyethylene form etc. For the connecting portion, apply the enough insulation to avoid any gap.

SYSTEM DESIGN

■ CAUTION

● Brazing

While brazing the pipe, be sure to blow dry nitrogen gas through the pipes.

If not used, it will be caused to damage for compressor and clog the strainer and electronic expansion valve.

Example) Inside state of brazing pipe section

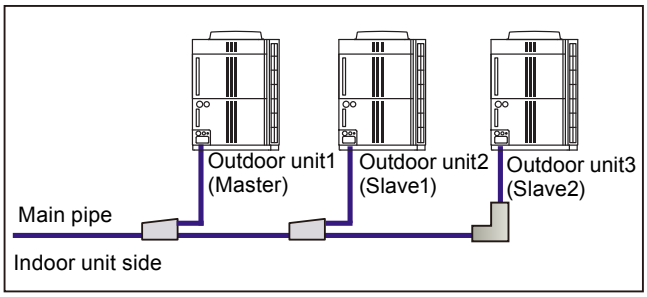
Nitrogen gas used	Nitrogen gas used but not sufficient (Oxygen gas still inside the pipe)	Nitrogen gas does not used

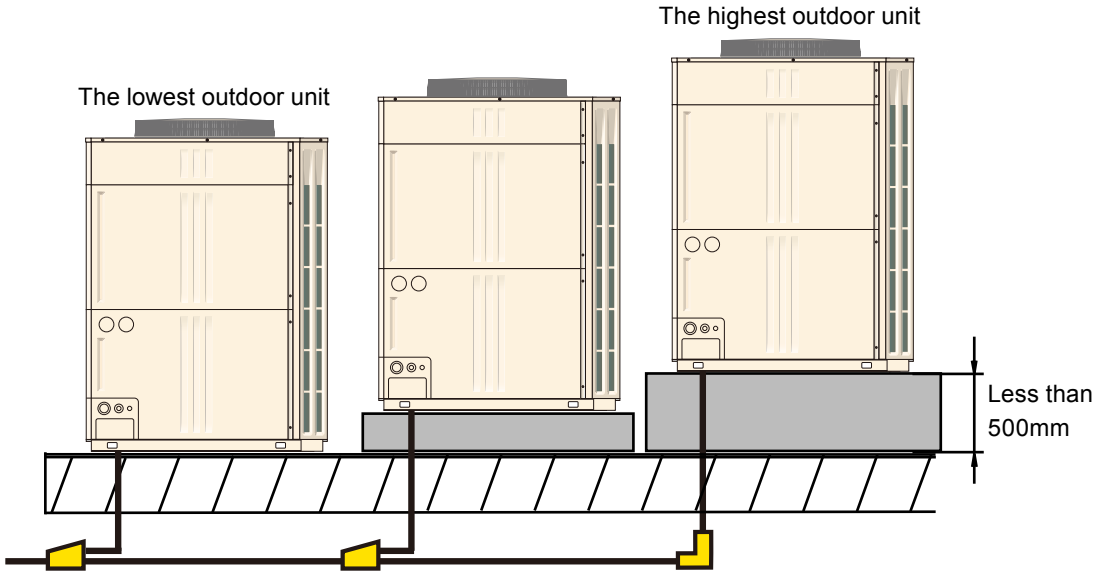
SYSTEM DESIGN

6-3-2. PIPING TO OUTDOOR UNIT

■ OUTDOOR UNIT POSITION

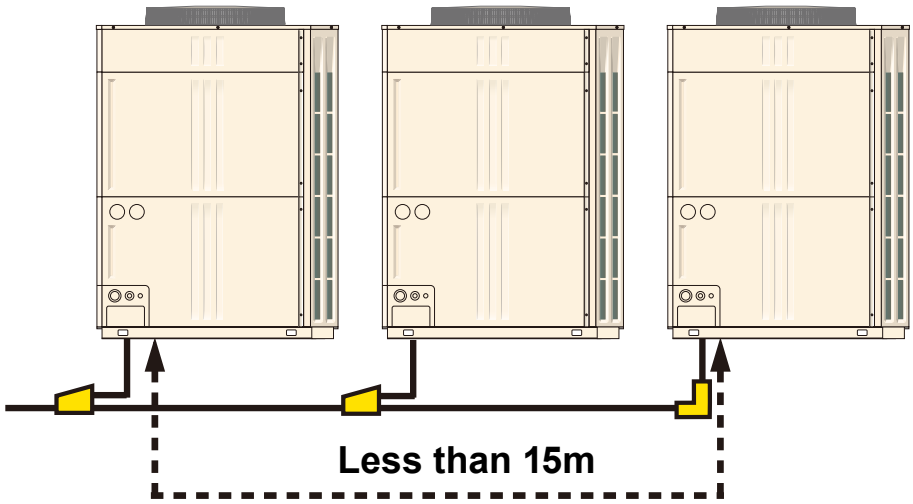
- When installing outdoor units, make the master unit closest to the main pipe.
- Select outdoor unit capacity in the order :
  Outdoor unit1 ≥ Outdoor unit2 ≥ Outdoor unit3
  (Master) (Slave 1) (Slave 2)
- When connecting Master unit with Slave unit(s), install them as close as possible.
- Selecting the mounting position of the master and slave unit to keep piping limitation.





The height difference between the lowest and the highest outdoor unit in the same refrigerant system ≤ 500mm.

＊Install the branch kit horizontally. (See page 06-35)



The maximum pipe length between master unit and the furthest slave unit ≤ 15m.

＊Install the branch kit horizontally.(See page 06-35)

* Mounting the outdoor unit to keep the enough space for processing the piping work, service and maintenance.

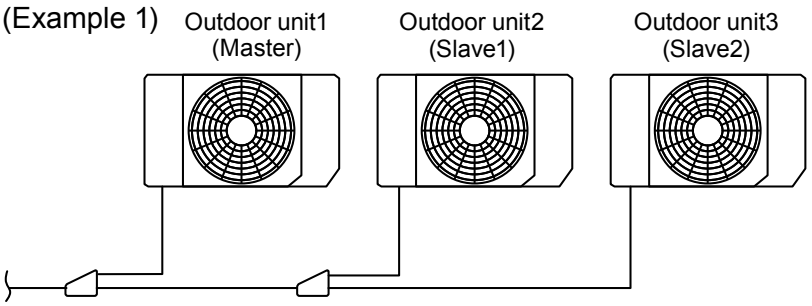
SYSTEM DESIGN

■ OUTDOOR UNIT PIPING DIRECTION

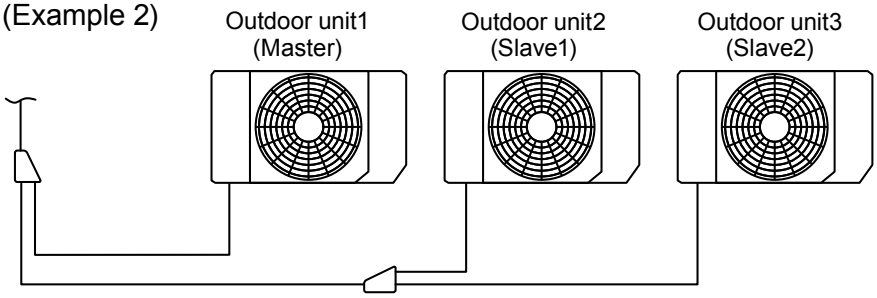
● Piping pattern

Use the optional branch kit for multiple outdoor unit connection.

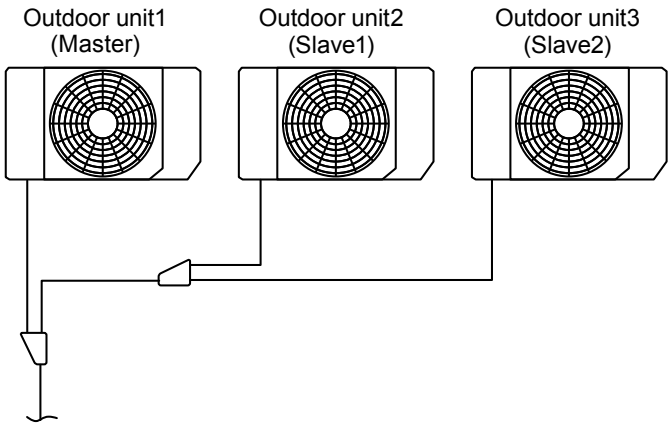
(Example 1)



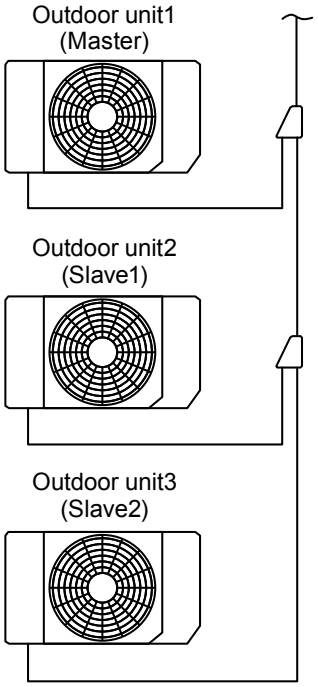
(Example 2)



(Example 3)



(Example 4)

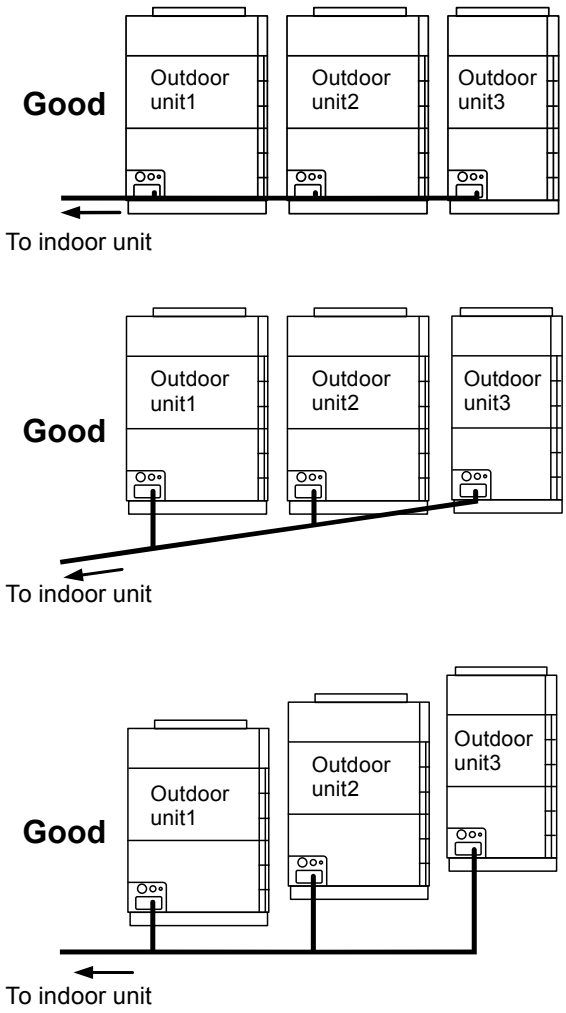


SYSTEM DESIGN

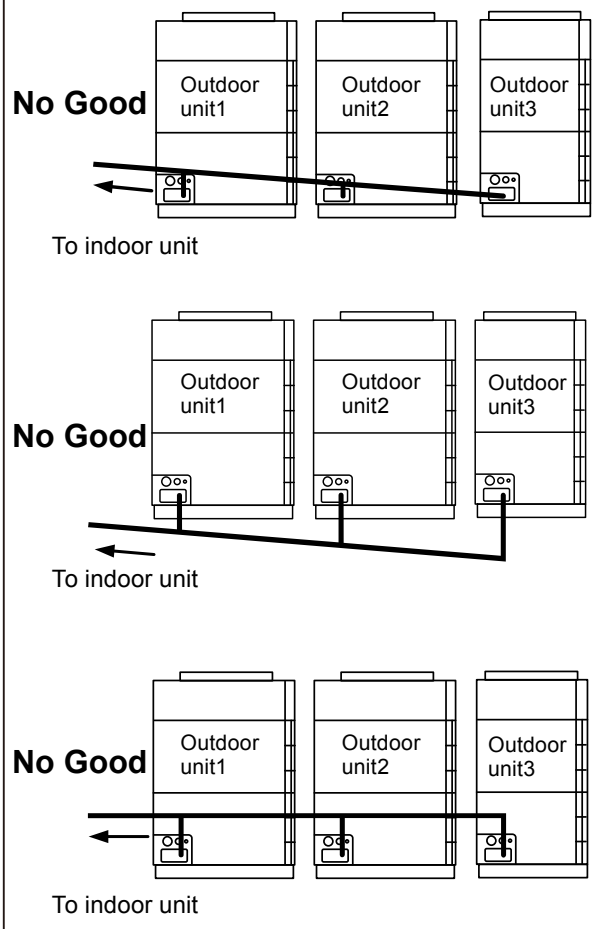
● Main pipe connection

Make sure to arrange the pipe horizontally or upward as shown in the following to prevent oil from accumulating into stopped outdoor unit.

a) Installable patterns

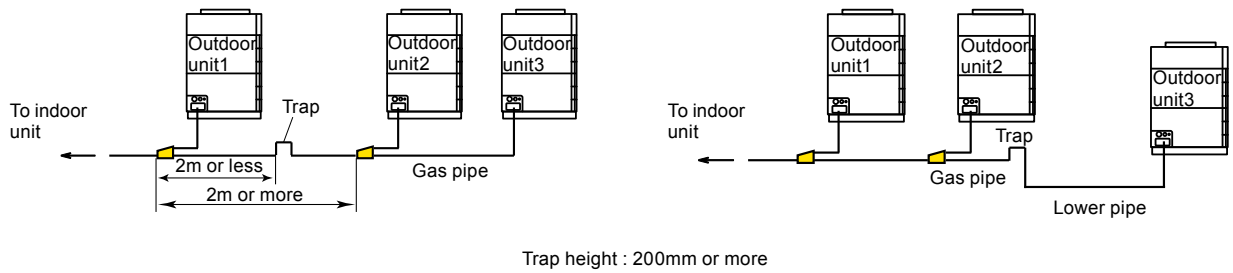


b) Non-installable patterns



* If the pipe length between outdoor unit branch kit and outdoor unit branch kit (or slave unit) is longer than 2 m, or a lower pipe line exists between outdoor units, traps for gas pipe should be arranged to eliminate oil from entering into and remaining at pipes and the stopped outdoor unit. (See example below)

Example



Trap height : 200mm or more

SYSTEM DESIGN

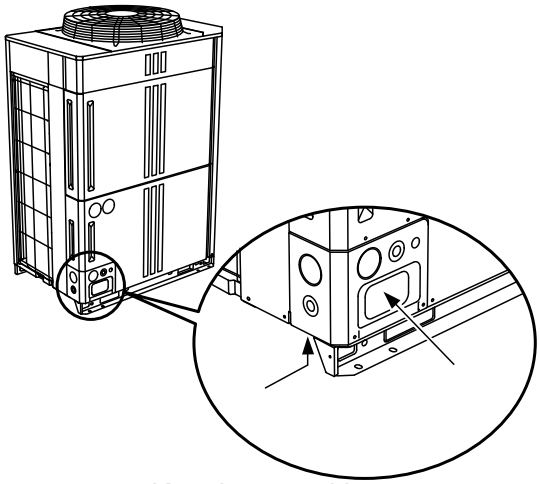
■ PIPING METHOD

● Knockout

⚠ CAUTION

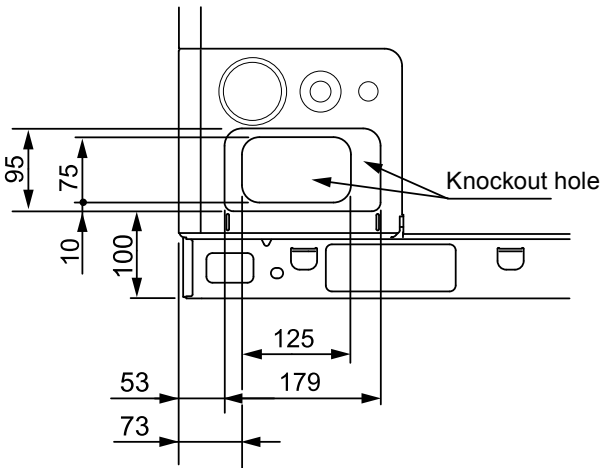
- Be careful to prevent panel deformed or damaged while opening the knockout hole.
- To prevent cutting of the wiring after the knockout hole was opened, remove the burrs along the edge. In addition, to prevent rusting, painting the edge with rust preventive paint is recommended.

- The piping can be connected from two directions; the front or the bottom. (Knockout holes are provided so that the piping can be connected from two different directions.)
- Use the front knockout hole, as required.

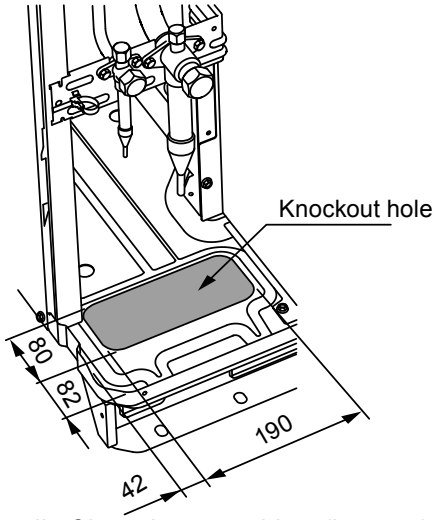


Knockout position

(Unit : mm)



Detail of knockout position (front)



Detail of knockout position (bottom)

SYSTEM DESIGN

● Removing the pinch pipe

⚠ WARNING

- Remove the pinch pipe only when the internal gas is completely drained.
- If gas still remains inside, the piping may crack if you melt the brazing filler metal of the junction area with a burner.

Before connecting the piping, remove the pinch pipe in accordance with the following instructions:

1) Verify that the liquid side and gas side 3-way valves are closed. (Fig. A)
2) Cut the end of the liquid side and gas side pinch pipe and vent the gas inside the pinch pipe. (Fig. B)
3) After all the gas is vented, melt the brazing filter metal on connecting part using a burner and remove the pinch pipe. (Fig. C)

Fig.A

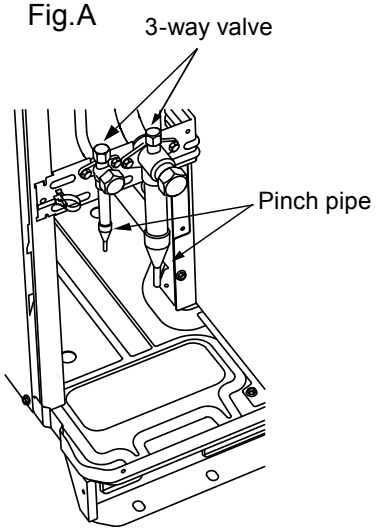


Fig.B

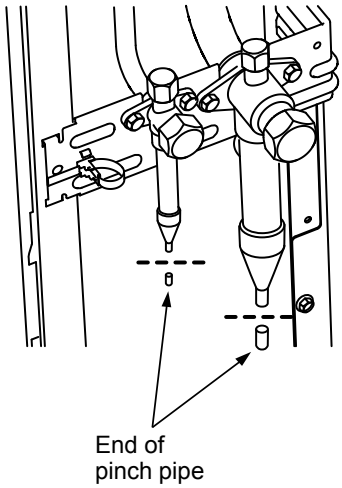
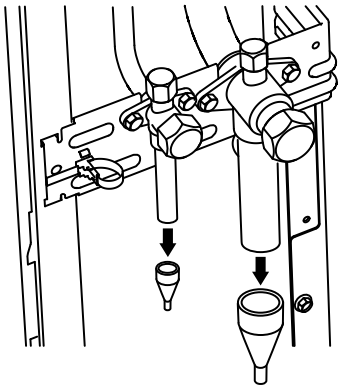


Fig.C



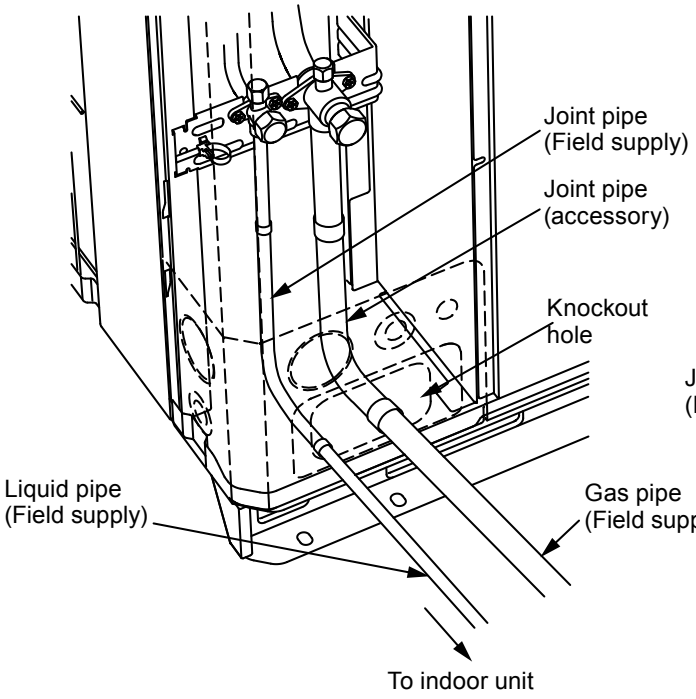
SYSTEM DESIGN

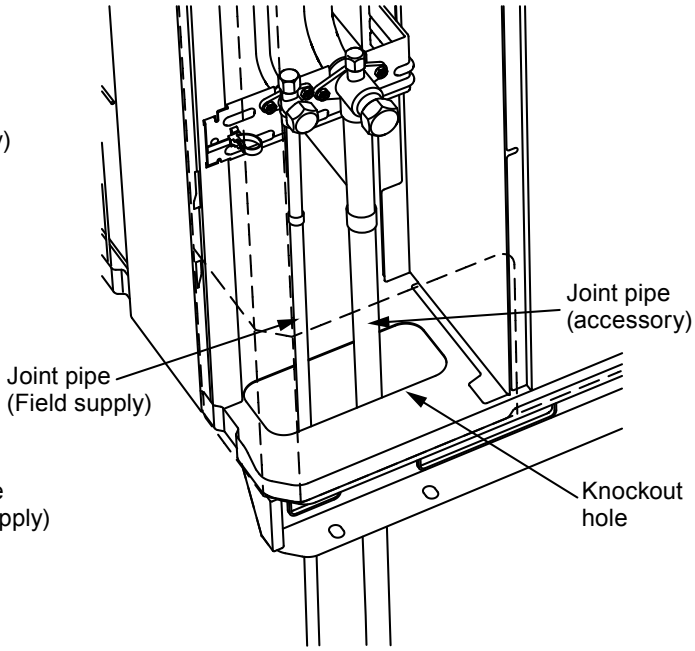
● Pipe connection

⚠ CAUTION

- Seal the pipe route hole with putty (field supply) such that there are no gaps.
  Small insects or animals that are trapped in the outdoor unit may cause a short circuit in the electrical component box.
- To prevent pipe damage; do not make sharp bends in the pipe. Bend the pipe at a radius of 70mm or greater.
- Do not bent pipe many times at same part to prevent break.
- Do not use flare connection on the indoor unit pipe until the connection piping has been connected.
- Wait until the 3-way valve is completely cooled down before removing the pinch pipe or brazing the joint pipe.
  Otherwise, the 3-way valve may be damaged.

- Blaze the joint pipe onto the 3-way valves at the liquid and gas side.
  Process the joint pipe appropriately so that it can be connected easily with the main pipe.
- Blaze the joint pipe at the liquid and gas side with the main pipe.
  * Be sure to supply nitrogen when blazing.





SYSTEM DESIGN

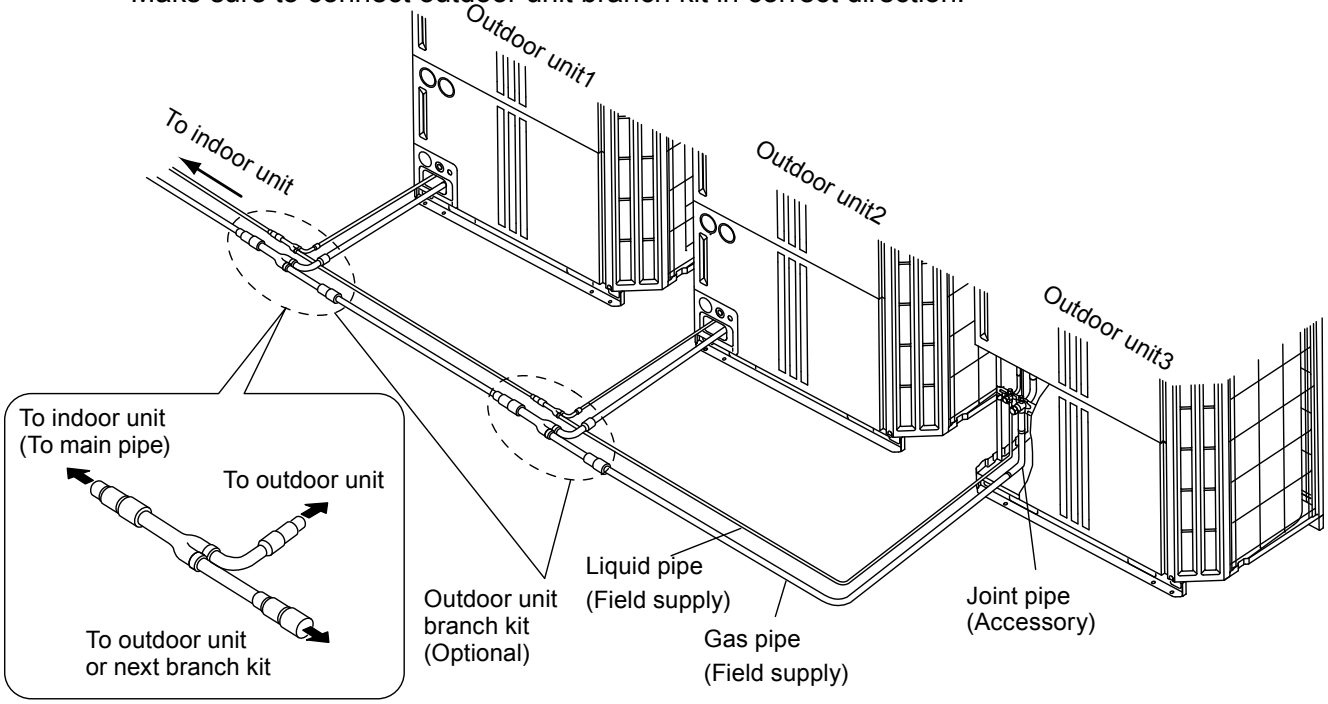
■ BRANCH KIT

Outdoor unit Branch Kit(s) is (are) required for multiple outdoor unit.

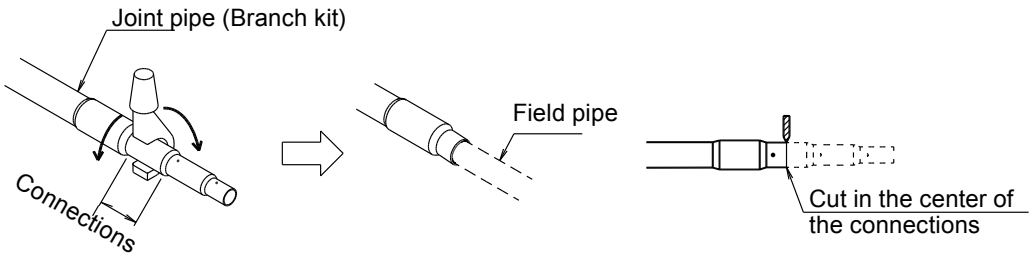
Outdoor unit	Model	Q'ty
2 outdoor units	UTR-CP567X	1
3 outdoor units		2

● Installation

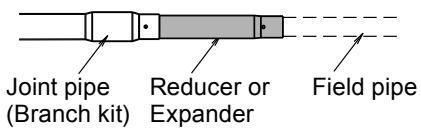
Make sure to connect outdoor unit branch kit in correct direction.



Use the pipe cutter to cut at the location which matches the piping size when the piping size is different.



When the pipe size of the branch kit itself does not match, or when piping sizes differ even if it cuts the pipe, use attached Reducer or attached Expander.

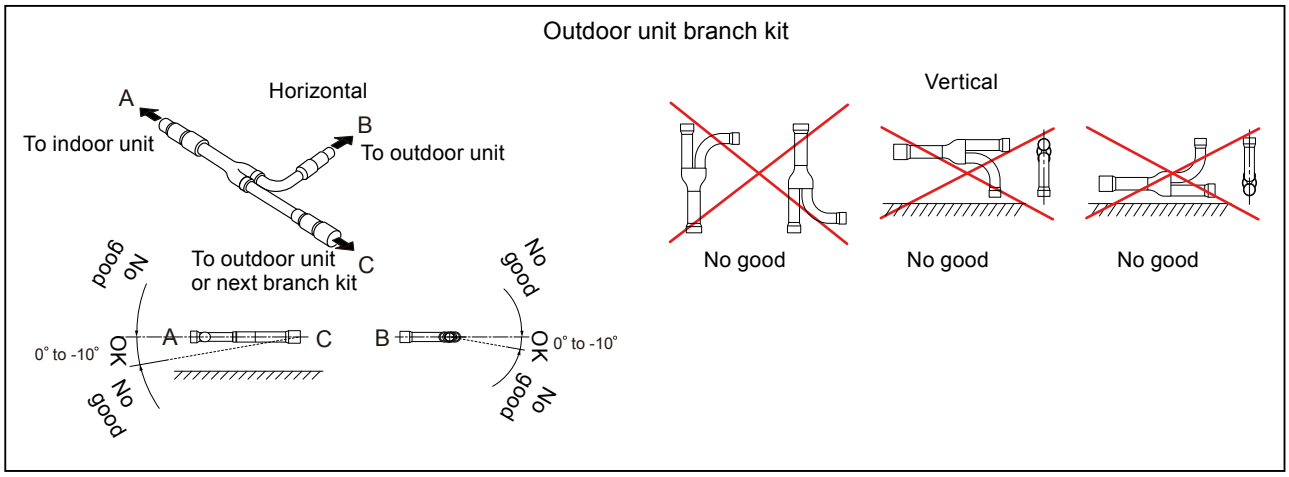


SYSTEM DESIGN

● Restriction when install

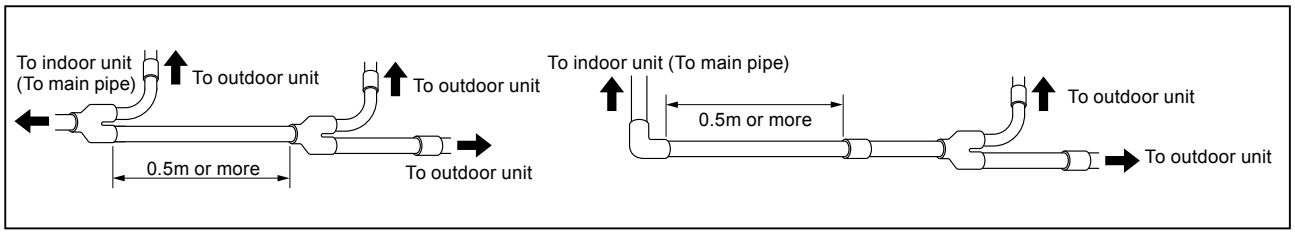
Be sure following restriction.

1) Installation angle



- Install the outdoor unit branch kit horizontally, within 0° to -10°, so that the refrigerant separates evenly.
- Do not install the outdoor unit branch kit vertically.

2) Straight pipe length



- Leave the distance 0.5m or more for straight part to outdoor unit branch kit.

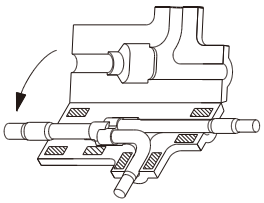
3) For details, refer to the Installation Instruction Sheet of the outdoor unit branch kit.

SYSTEM DESIGN

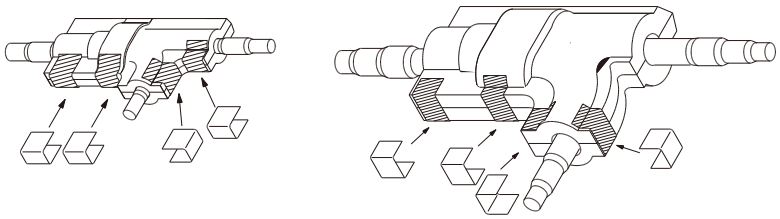
● Heat insulation installation

After brazing the pipes, and leak check use the supplied insulation to insulate them. (on liquid and gas pipes)

1) Remove the protective sheet from the double-stick tape that is affixed to the heat insulation.

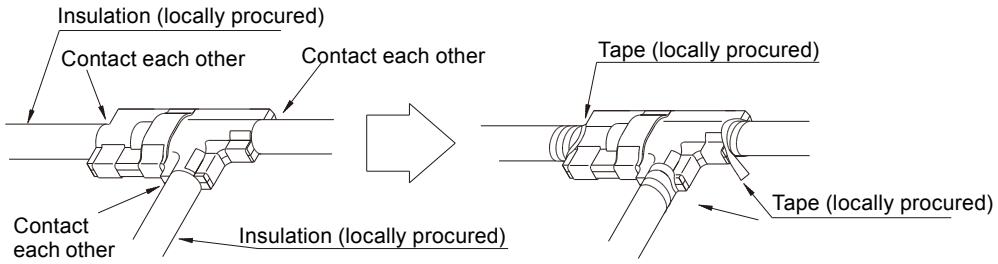


2) Be sure to fix each insulation at 4 positions with tape (accessory) in the following figure.



Liquid pipe　　Gas pipe

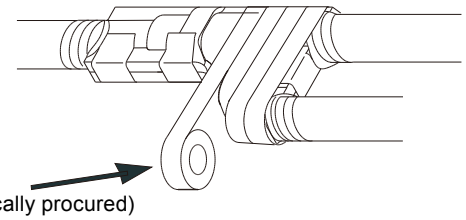
3) Seal the connection part with tape to avoid any gap.



⚠CAUTION

- Insulate the liquid and gas pipe completely. If not, it may cause the water condensaton or performance reduction.
- Wrap the heat insulation with tape or pipe cover in order to extend the life time of heat insulation.
- Take proper measurement to strenghten by using another heat insulation at the following installing enviroment
  (a) Environment temperature ≥ 35°C and humidity 85%.
  (b) Environment temperature ≥ 25°C and humidity 90%.

Installation example



Heat insulation (locally procured)

SYSTEM DESIGN

6-3-3. SEPARATION TUBE

■ INSTALLATION

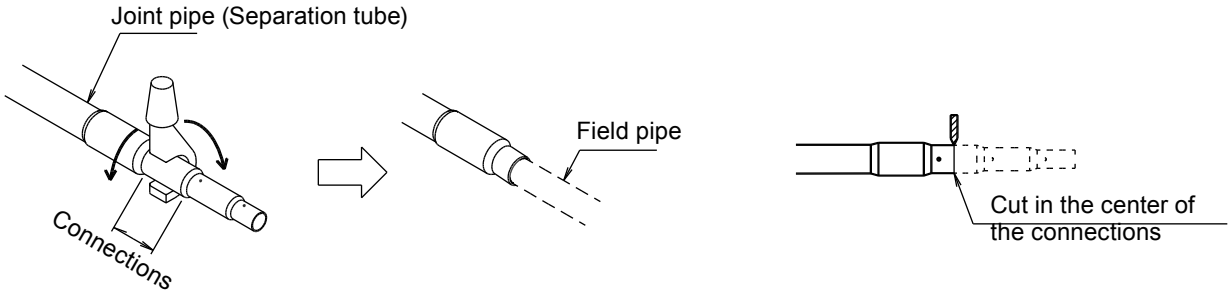
● Separation tube

Total cooling capacity of indoor units (kW)	Separation tube
28.0 or less	UTR-BP090X
28.1 to 56.0	UTR-BP180X
56.1 or more	UTR-BP567X

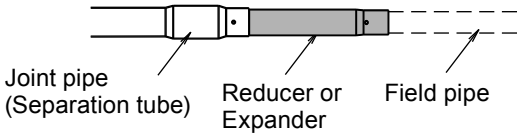
28.0, 28.1, 56.0, and 56.1 are the total values for the indoor unit cooling capacity connected downstream.

● Installation

Use the pipe cutter to cut at the location which matches the piping size when the piping size is different.



When the pipe size of the separation tube itself does not match, or when piping sizes differ even if it cuts the pipe, use attached Reducer or attached Expander.

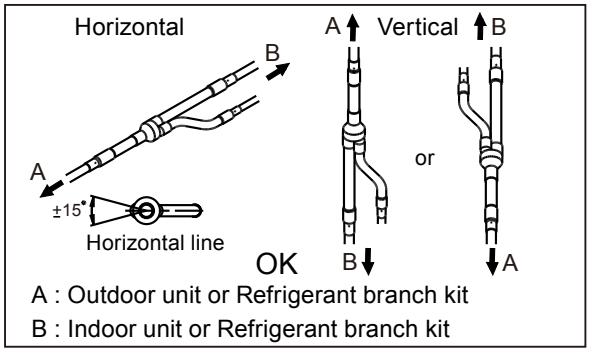


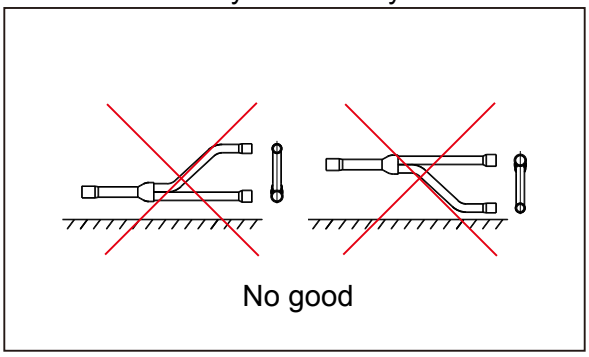
● Restriction when install

Be sure following restriction.

1) Installation angle

Install the separation tube so that it branches either horizontally or vertically.



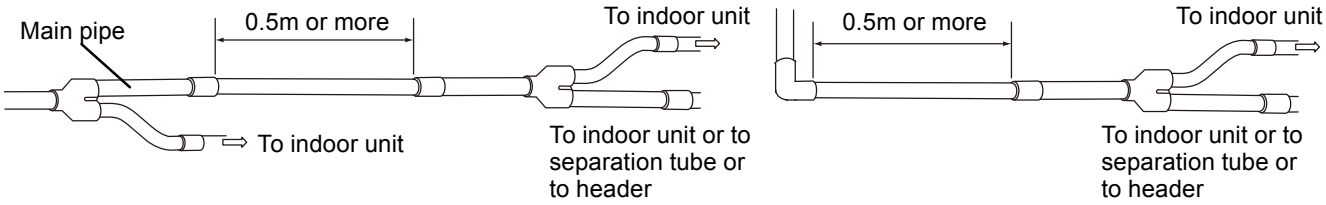


SYSTEM DESIGN

SYSTEM DESIGN

2) Straight pipe length

A straight pipe (minimum lenght 0.5m) before separation tube is necessary in order to separation the rifregerant exactly.



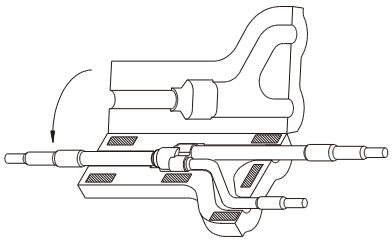
⚠ Caution

Keep the distance 0.5m or more for straight part to separation tube, in order to prevent the outdoor unit mulfunction and generation of refrigerant noise

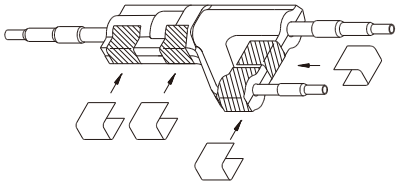
● Heat insulation installation

After brazing the pipes, and leak check use the supplied insulation to insulate them.

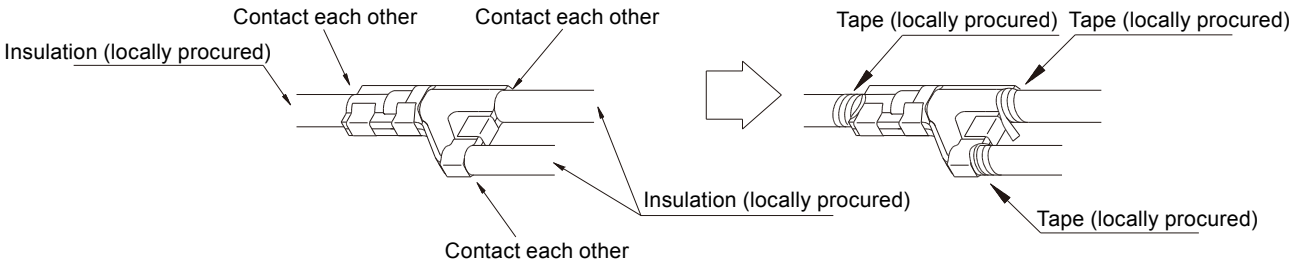
1) Remove the protective sheet from the double-stick that is affixed to the heat insulation.



2) Be sure to fix each insulation at 4 positions with tape (accessory) in the following figure.



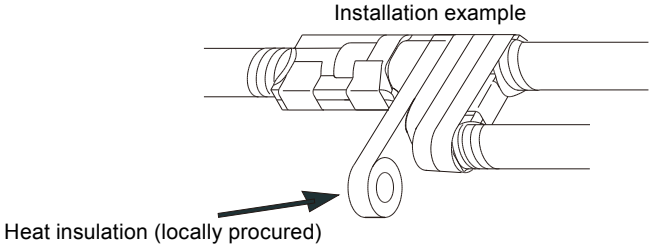
3) Seal the connection part with tape to avoid any gap.



⚠ CAUTION

- Insulate the liquid and gas pipe completely. If not, it may cause the water condensaton or performance reduction.
- Wrap the heat insulation with tape or pipe cover in order to extend the life time of heat insulation.
- Take proper measurement to strenghten by using another heat insulation at the following installing enviroment
  (a) Environment temperature ≥ 35°C and humidity 85%.
  (b) Environment temperature ≥ 25°C and humidity 90%.

Installation example



SYSTEM DESIGN

SYSTEM DESIGN

6-3-4. HEADER

■ HEADER INSTALLATION

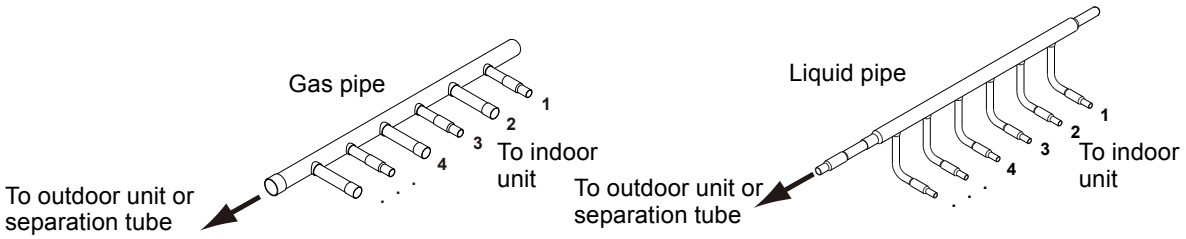
● Header selection

Total cooling capacity of indoor units (kW)	Header	
	3 - 6 Branches	3 - 8 Branches
28.0 or less	UTR-H0906L	UTR-H0908L
28.1 to 56.0	UTR-H1806L	UTR-H1808L

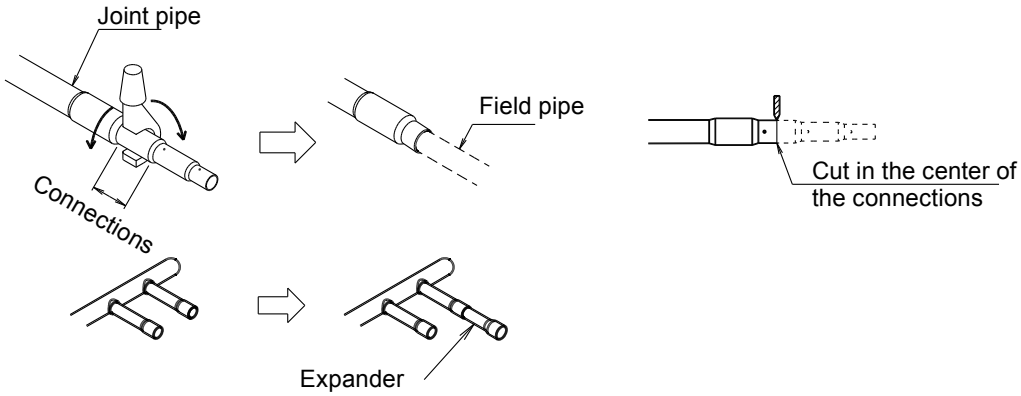
When 1) Total cooling capacity exceed 56.1kW or 2) Separate into two branches, please use a separaton tube instead.

● Installation

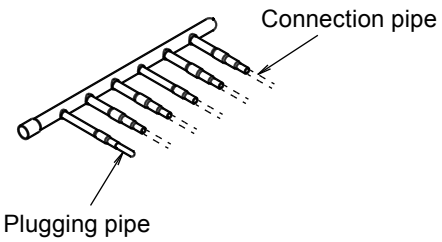
(1) When connecting the connection pipes from the indoor units, connect them to the header branch pipes in order of 1, 2, 3, etc.



(2) Use a pipe cutter to cut at the location that matches the piping size or use expanders as necessary.



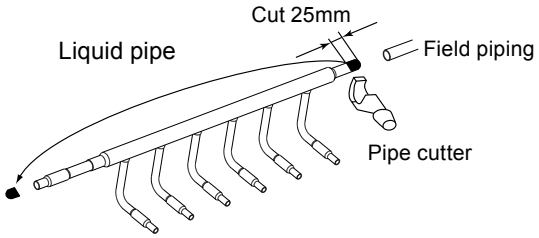
(3) Attach a plugging pipe provided if there is no piping connected at the headers.



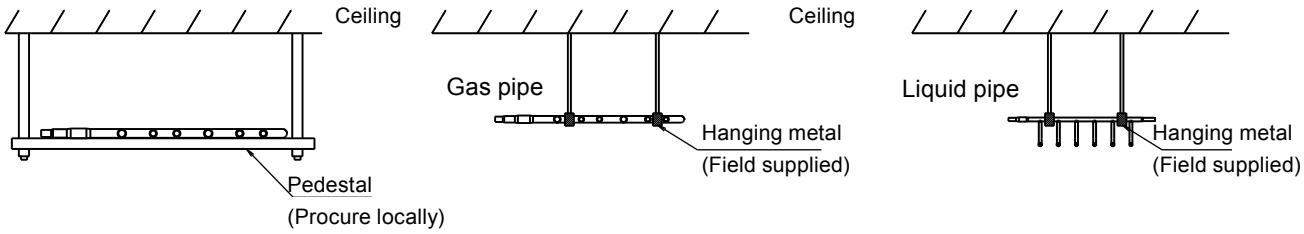
SYSTEM DESIGN

SYSTEM DESIGN

(4) Connecting pipe field supplied from outdoor unit, cut the pipe end to connect the pipe and close the opposite end.



(5) Use header support as necessary.

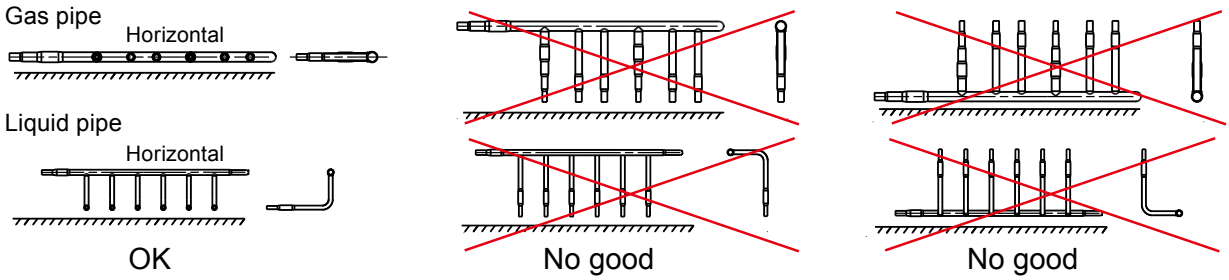


● Restriction when install

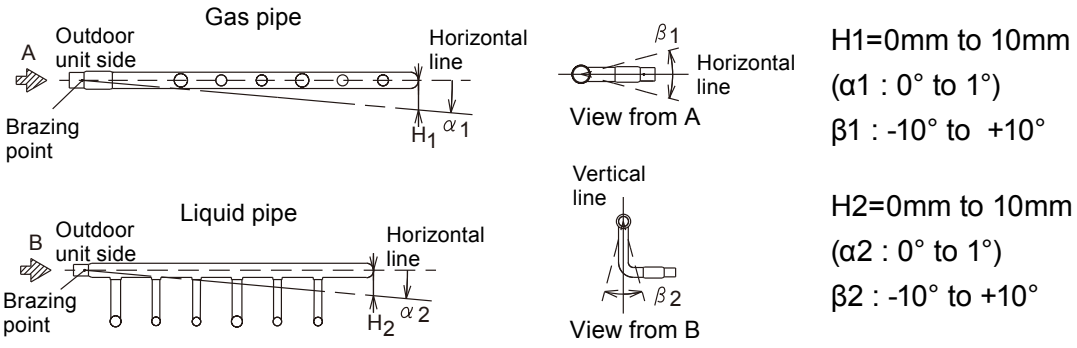
Be sure following restriction.

1) Installation angle

Install the header so that it branches horizontally.



Use a level to make sure that the header is positioned as shown in following figure, and then, secure it in place.



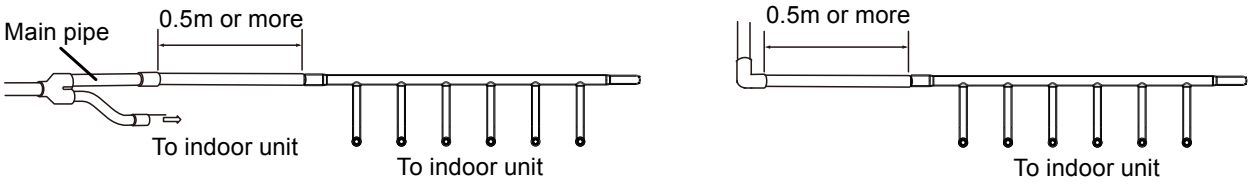
H1=0mm to 10mm
(α1 : 0° to 1°)
β1 : -10° to +10°

H2=0mm to 10mm
(α2 : 0° to 1°)
β2 : -10° to +10°

SYSTEM DESIGN

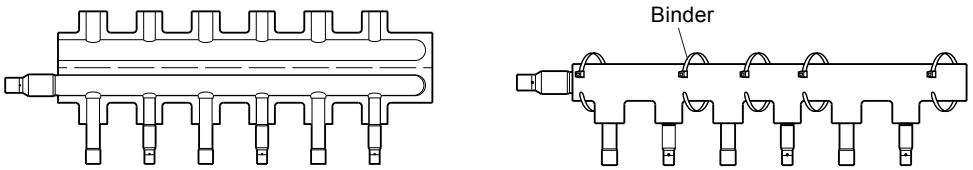
2) Straight tube length

A straight tube (minimum length 0.5m) is necessary before header in order to separate the refrigerant exactly.



● Heat insulation installation

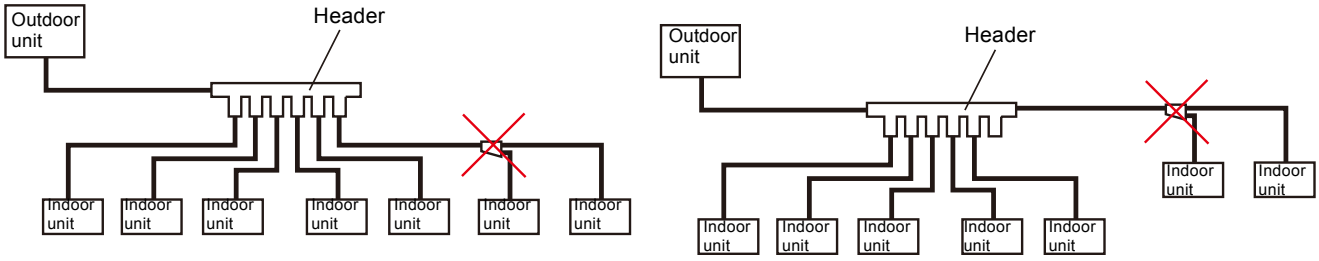
After brazing the piping, attach heat insulation.
Remove the protective paper for the tape on the heat insulation for the header and attach it.
Tighten by using binders at five locations.



Cover the plugging pipe with heat insulation and seal with tape.

● Caution

Separation tube is not allowed to install header kit.



SYSTEM DESIGN

6-3-5. EV KIT

An EV kit must be required for the compact wall mounted type (EEV external model) on the liquid pipe side.

■ EV KIT SELECTION

Model name	Application indoor units
UTR-EV09XB	AS∗E07LACH, AS∗E09LACH
UTR-EV14XB	AS∗E12LACH, AS∗E14LACH

A wrong selection could cause improper operation, because the built-in electronic expansion valve is different.

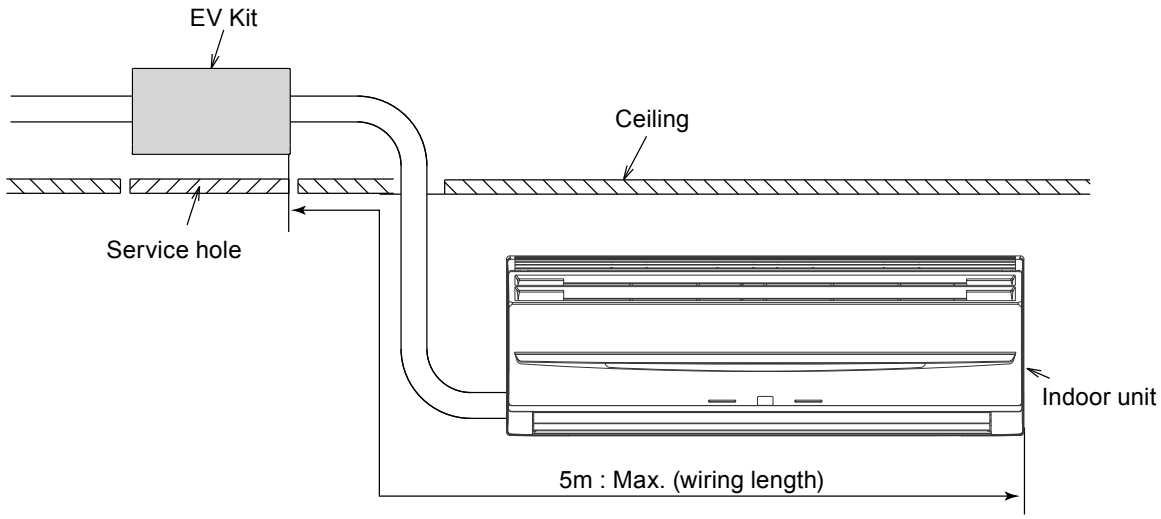
■ MODELS REQUIRE EV KIT :

AS∗E07LACH, AS∗E09LACH, AS∗E12LACH, AS∗E14LACH

- Select the above indoor unit for use in small and, quiet rooms such as hotel or bedroom, where noise would be a distraction.
- The other indoor units, do not require an EV kit.

■ DECIDING INSTALLATION LOCATION

- Keep the installed piping and wiring length less than 5m.
- EV kit should be considered to install away from the living quarters, such as above the ceiling.
- Install the EV kit where it can be accessed for servicing.



⚠ CAUTION

Do not install EV kit in a location with any of the following conditions.

- Do not install the kit outdoor.
- Do not install the kit where the danger of combustible gas leakage.
- Do not install the kit where near a fire place or other heating appartatus.
- Do not install the kit where oily smoke, machine oil (i.e. factory),salty envilоment with direct sea breeze.
- Do not install the kit where too much of dust.
- Do not install the kit where corrosive gas such as sulphurous acid gas is generated.
- Do not install the kit where exposed to rains and direct sunlight.

SYSTEM DESIGN

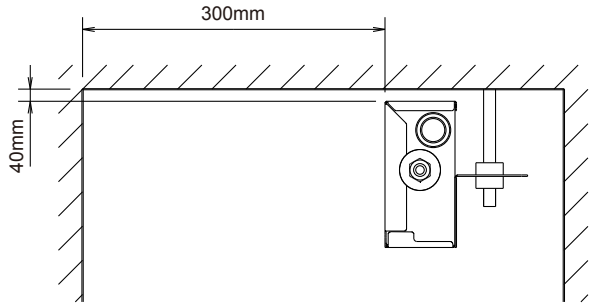
Decide the mounting position with the customer as follows:

(1) Install EV kit level on strong wall, floor, ceiling which is not subject to vibration.

(2) Install EV kit where the connection pipe can be easily installed.

(3) Install EV kit where vibration and noise are not amplified.

(4) Take servicing, etc. into consideration and leave the space as follows.

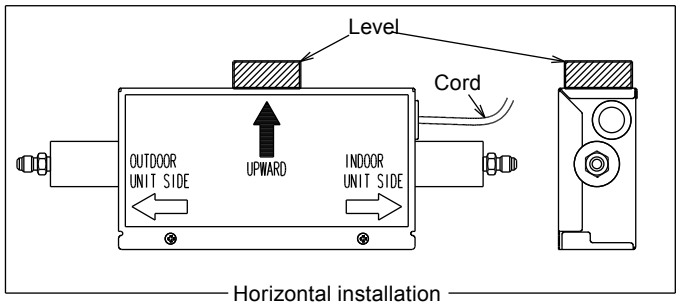


■ INSTALLATION METHOD

⚠ CAUTION

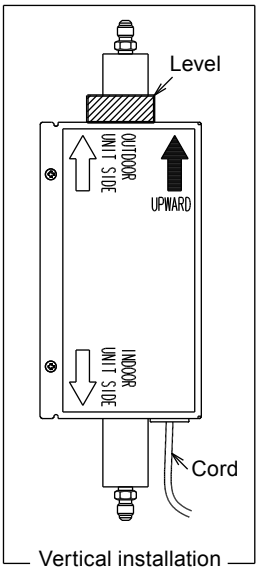
The installation direction can be selected either horizontal (Pattern A) or vertical (Pattern B), but keep the inclination within 5º.

Pattern A



Horizontal installation

Pattern B



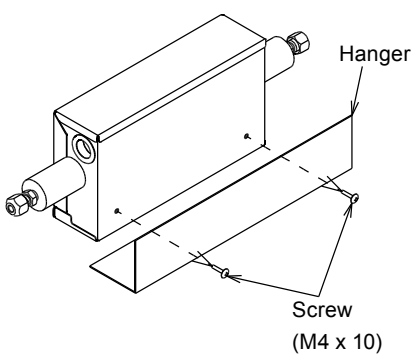
Vertical installation

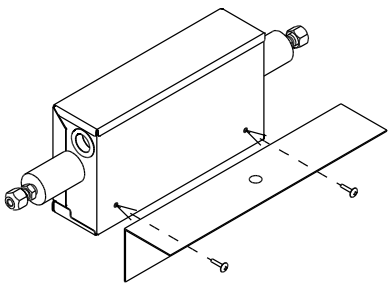
Incorrect installation direction or angle may cause improper operation.

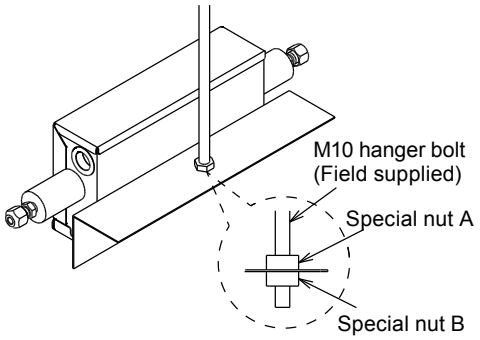
● Suspended installation

(1) Remove the 2 screws (M4x10) and replace them with the hanger.

(2) Use the hanger bolts to fasten the hanger.



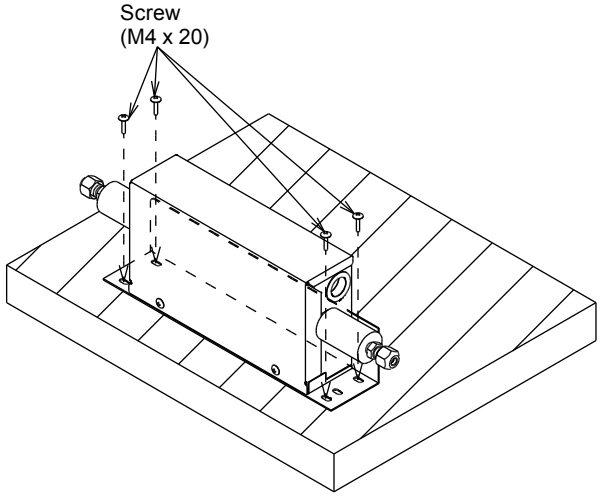




SYSTEM DESIGN

● Floor installation

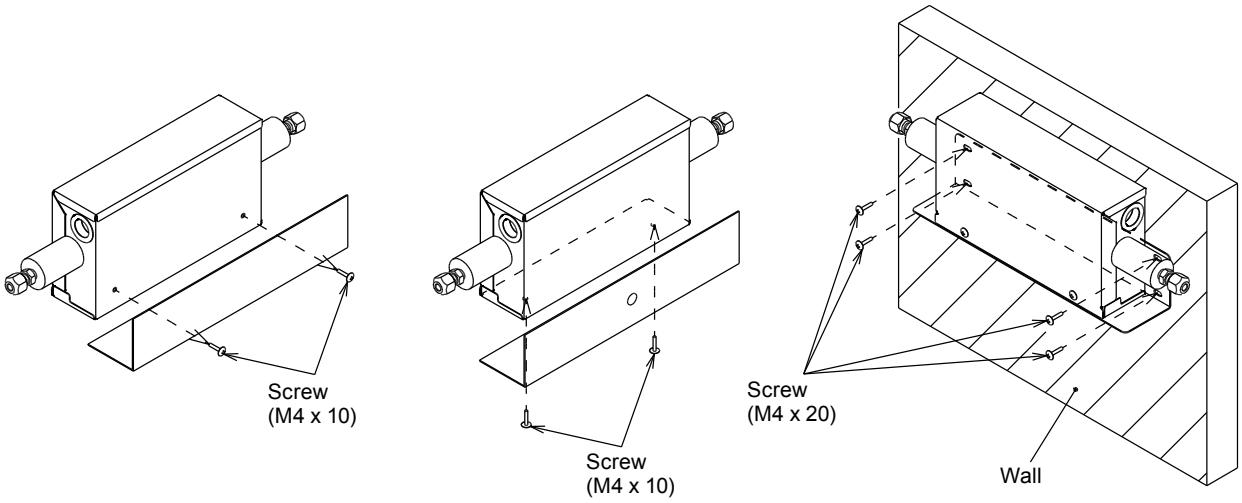
Use the 4 screws to fasten the unit to the floor.



● Wall mounted installation

(1) Remove the 2 screws (M4x10) and replace them with the hanger.

(2) Use the 4 screws (M4x20) to fasten the unit to the wall.



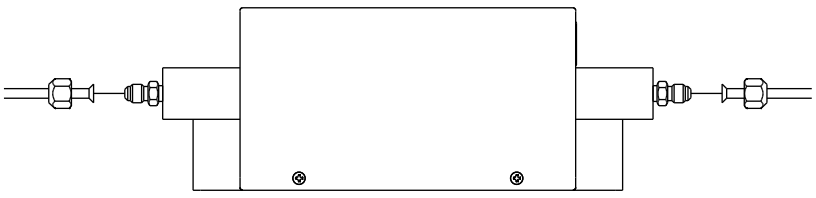
SYSTEM DESIGN

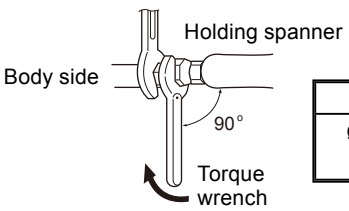
■ CONNECT THE PIPES

Connect EV kit to liquid pipe of compact wall mounted (EEV external model) indoor unit.

Pipe size	Indoor unit side	ø 6.35mm	Flare connection
	Outdoor unit side	ø 6.35mm	

Use a toruque wrench to tighten the flare nut.

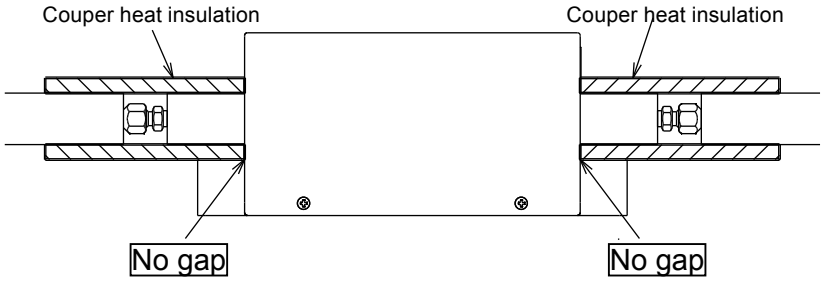




Pipe	Tightening torque
ø 6.35 (1/4")	16.0 to 18.0 N•m

■ ATTACH THE INSULATION MATERIAL

Insulate by the coupler heat insulation arround the pipe.

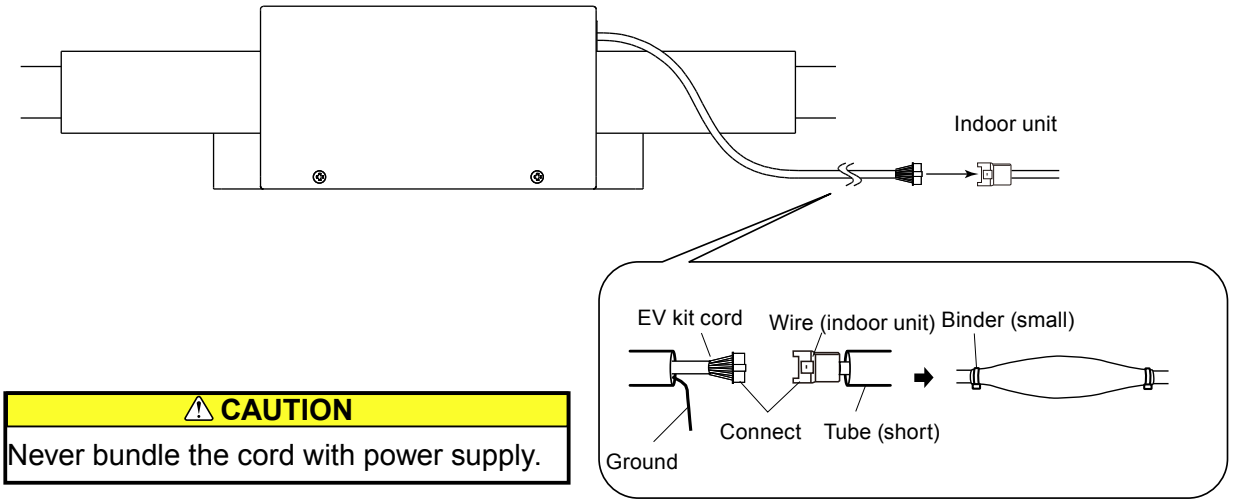


■ WIRING PROCEDURE

(1) Connect the EV kit cord to the indoor unit.

(2) Wrap the tube arround the connection, and fasten both ends binders.

(3) Connect the ground to the indoor unit.



⚠ CAUTION

Never bundle the cord with power supply.

■ SPECIFICATIONS

Model name	UTR-EV09XB	UTR-EV14XB
Dimensions (mm) (H x W x D)	121 x 416 x 65	
Weight (g)	1500	
Connection cord length (m)	5	

SYSTEM DESIGN

6-4. WIRING DESIGN

6-4-1. ELECTRICAL WIRING

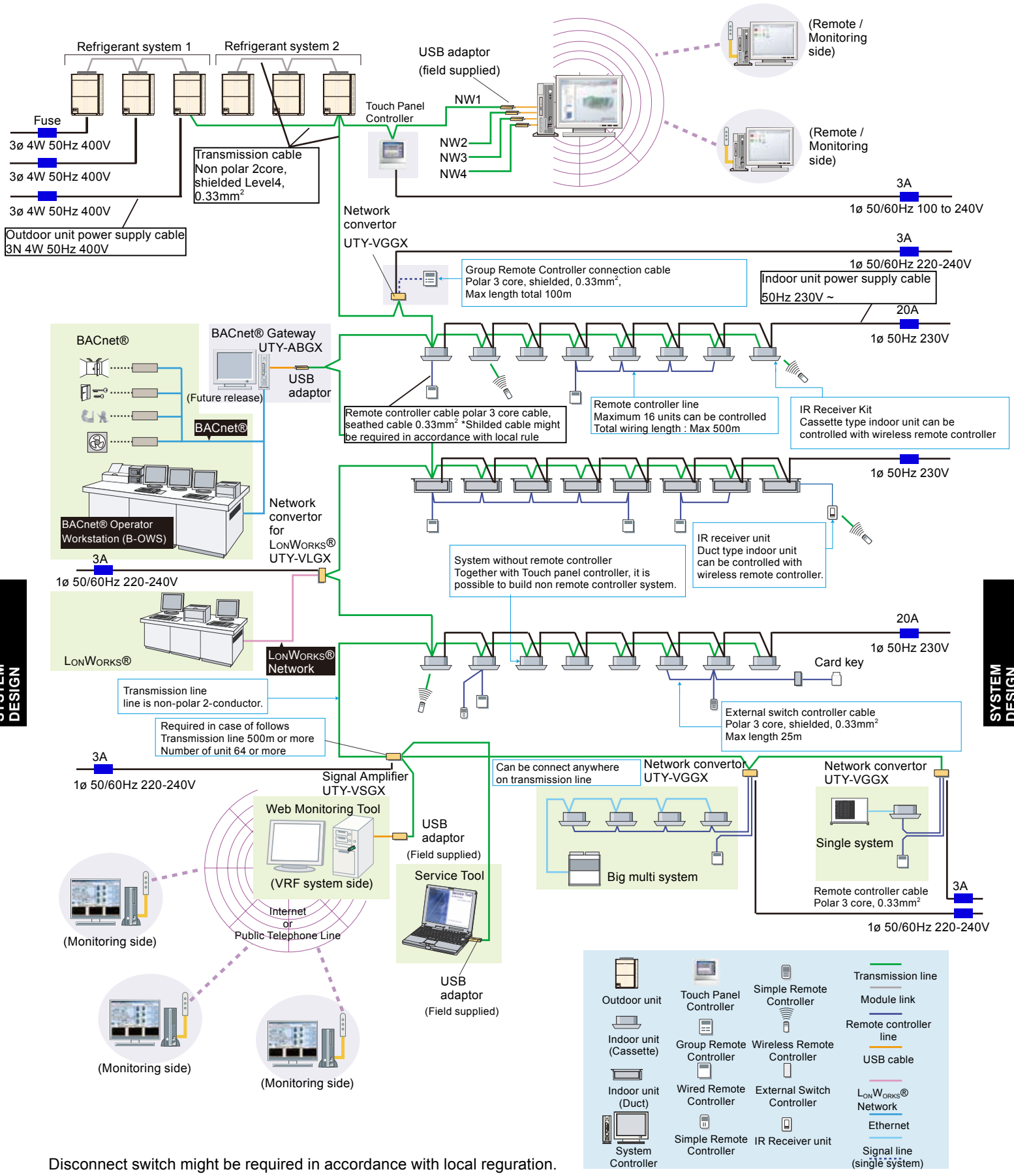
■ PRECAUTION FOR ELECTRICAL WIRING

Regulation on wire diameter and selecting circuit braker size differ from locality.
Install in accordance with local rules and regulations.

WARNING
● Do not turn on the power until all installation work is complete. ● Always install a circuit breaker in the power supply cable for the unit. Failure to use a circuit breaker could result in electrical shock or fire. ● Before starting work, check that power is not being supplied to the unit. ● Connect the connection cable firmly to the terminal board. Imperfect installation may cause a fire. ● Always fasten the outside covering of the connection cable with the cord clamp. (If the insulator is chafed, electric leakage may occur.) ● Always connect the ground wire. ● Never install a condenser for improving the power factor. (It will not improve the power factor and the condenser will become abnormally hot.)

SYSTEM DESIGN

■ WIRING SYSTEM OUTLINE



Disconnect switch might be required in accordance with local reguration.

SYSTEM DESIGN

6-4-2. POWER SUPPLY CABLE WIRING

■ POWER SUPPLY CABLE SPECIFICATIONS

Use a separate power supply for the outdoor unit and indoor unit.

● Outdoor unit

Model	Recommended cable size (mm^2)	Fuse capacity (A)	Breaker for leakage current	Remarks
AJ∗A72LALH	4	30	100mA 0.1sec or less	3N~400V 50Hz 4Wire + ground
AJ∗A90LALH	4	30		
AJ∗108LALH	10	50		
AJ∗126LALH	10	50		
AJ∗144LALH	10	50		

- Select wire size base on the value of MCA and TOCA. In the table of "3-8. ELECTRIC CHARACTERISTICS",example of wiring specification for outdoor unit is given.
- Select circuit breaker for outdoor unit based on the value of MCA of "3-8. ELECTRIC CHARACTERISTICS". The breaker should not operate when starting current is generated.

● Indoor unit

Model	Recommended cable size (mm^2)	Fuse capacity (A)	Breaker for leakage current	Remarks
All models	2.5	20	30mA 0.1sec or less	230V~ 50Hz 2Wire + ground

- Select cable size base on the value of total MCA of the indoor units connected. and if necessary divided the system which the total MCA of the indoor units connected must be smaller than 15 (A). The indoor units shall be connected up whthin refrigerant system.
- In order to be influenced of a breaker stop, please divide a power supply circuit for every refrigerant system.
- Please attach at least one breaker per refrigerant system.
- Please design the power supply circuit to keep the voltage drop within 2%.

SYSTEM DESIGN

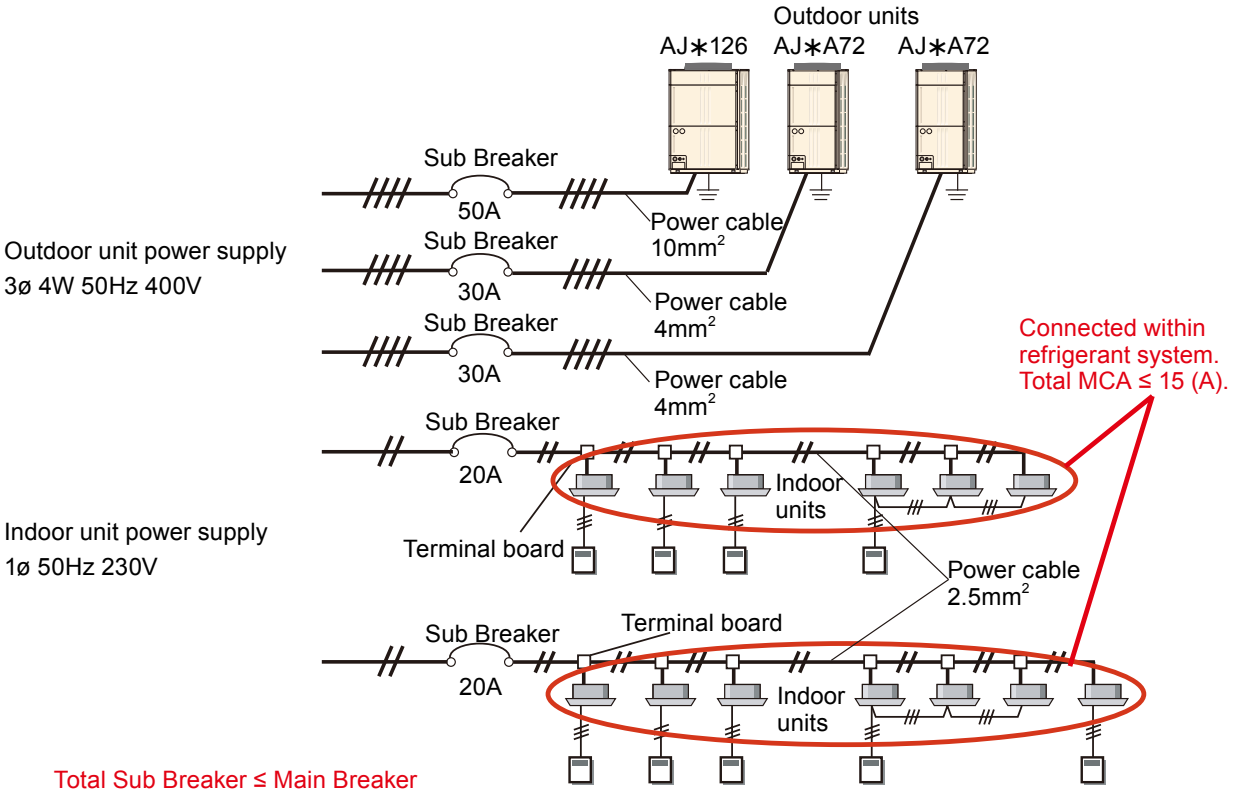
SYSTEM DESIGN

⚠ Caution

- Above "Wire size" and "Fuse capacity" are an example.
- Regulation of wire size and circuit breaker differs from each locality, please refer in accordance with local rules.
- Specific wiring requirement should be applied Type 245 IEC 57 or equivalent.
- To prevent the electrical noise malufunction and hazards from insulation failure, the unit should be connected to ground.
- A disconnect switch may be required for ease of maintenance in accordance with local regulation for each unit. Please check the local rules and regulations. Make the wire length between disconnect switch and unit terminal as short as possible.
- When connecting the indoor unit power supply from part of a 3-phase power source, recommend to take the power from each phase uniformly to prevent unbalance.
- All field wiring and components must be provided by a licensed electrician.
- Use copper conductors only.

■ POWER SUPPLY CABLE WIRING

● Example : Power supply cable wiring. (Using terminal board for indoor units)



⚠ Caution

- Except for EMERGENCY, never turn off main as well as sub breaker of the indoor units during operation. It will cause compressor failure as well as water leakage.
- Before turning off the breaker, stop indoor units with remote controllers first.
- Regulation of wire size and circuit breaker differs from each locality, please refer in accordance with local rules.

SYSTEM DESIGN

6-4-3. TRANSMISSION LINE

■ TRANSMISSION WIRING SPECIFICATIONS

Use	Size	Wire type	Remarks
Transmission cable	0.33mm^2	22AWG LEVEL 4 (NEMA) non-polar 2core, twisted pair solid core diameter 0.65mm	LONWORKS® compatible cable

Use the shielded wire specified and always ground it both end.

22AWG (0.65mm) Level 4 cable with shielded (National Electrical Manufacturers Association (NEMA) Differs from the Category 4 specification proposed by the Electronic Industries Association / Telecommunication Industry Association (EIA/TIA)

● Reference specifications for transmission cable

No.	Item		Unit	Specifications
1	Wire type		mm	0.65dia (22AWG) Twisted pair with shield
2	Pair (Twisted pair cable) Note 1		-	1P or 2P
3	Loop DC Resistance (20°C)		Ohm/km	Less than 118
4	DC Resistance Unbalancing (20°C)		%	Less than 5
5	Dielectric Voltage (Between conductor to conductor)		V/min	AC 350
6	Insulation Resistance (20°C) (Between conductor to conductor)		Mohm-km	More than 500 (after charging DC500V 1min.)
7	Static Capacitance between Conductors	1KHz	nF/km	Less than 56
8	Unbalanced Static Capacitance (To Ground)	1KHz	nF/km	Less than 3.28
9	Characteristic Impedance	772KHz	Ohm	102+ - 15% (87 to 117)
		1MHz		100+ - 15% (85 to 115)
		4MHz		100+ - 15% (85 to 115)
		8MHz		100+ - 15% (85 to 115)
		10MHz		100+ - 15% (85 to 115)
		16MHz		100+ - 15% (85 to 115)
		20MHz		100+ - 15% (85 to 115)
10	Attenuation	772KHz	dB/km	Less than 15
		1MHz		Less than 18
		4MHz		Less than 36
		8MHz		Less than 49
		10MHz		Less than 56
		16MHz		Less than 72
		20MHz		Less than 79
11	Cross talk attenuation (Note 2)	772KHz	dB/km	Less than 58
		1MHz		Less than 56
		4MHz		Less than 47
		8MHz		Less than 42
		10MHz		Less than 41
		16MHz		Less than 38
		20MHz		Less than 36

Note :

- Number of twist is not specified. However, it shall satisfy the electrical specifications such as characteristic impedance, attenuation, etc. (Example : More than 40times/m)
- Cross talk attenuation is applied when the twisted cable has 2 pairs (2P)
- Material is not specified. However, it shall be selected by considering the operating environment (Temperature, Humidity), and the local regulation by the environmental condition (ROHS Directive, etc.)
- Mechanical specification is not specified. However, it shall be selected by considering the operating environment.
- Never bundle transmission cable with power supply cable.

SYSTEM DESIGN

■ WIRING RULES

- In the following cases, Signal Amplifier is required.
  1) When the total length of the transmission line exceeded 500 m.
     AB+BC+BD+DE+EF > 500 m (Fig. 1)
  2) When the total number of units* is over 64.
- Transmission line length between each unit*: MAX 400 m.
- Total transmission line length: MAX 3600 m
  AB+BC+BD+DE+EF+EG+GH < 3600 m (Fig. 2)

Fig. 1

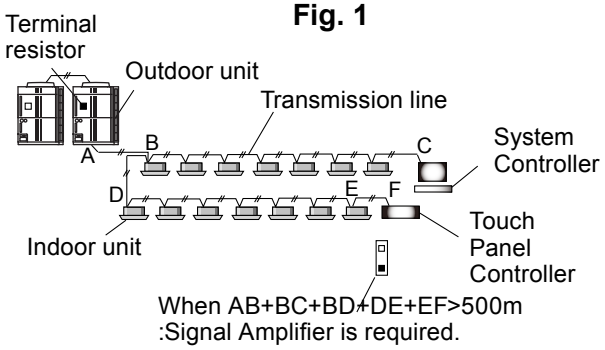
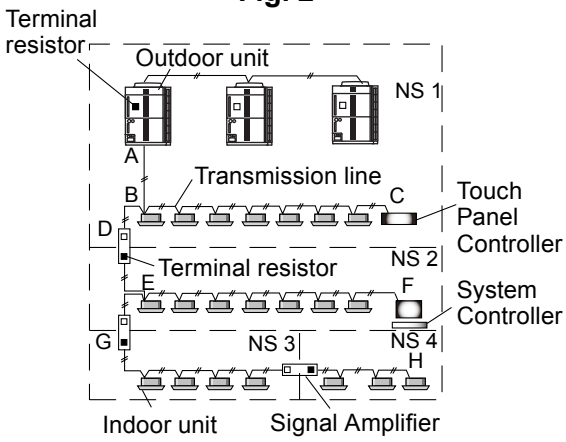


Fig. 2



Note : Unit* means indoor unit, outdoor unit, Touch Panel Controller and System Controller, Signal Amplifier, single split adaptor, Network Convertor etc..

Control units means Touch Panel Controller and System Controller and Network Convertor for LonWorks®.

SYSTEM DESIGN

■ TRANSMISSION WIRING FLOW

● Step 1 : Decide to use feature of Automatic Address Setting depending on system design

Decide to use Automatic Address Setting or Manual Address Setting.

- Automatic Address Setting → Step 2 (1)
- Manual Address Setting → Step 2 (2)

● Step 2 : Confirm Transmission Wiring

(1) Automatic Address Setting

Connect the transmission cable like as Fig 3-1, 3-2.

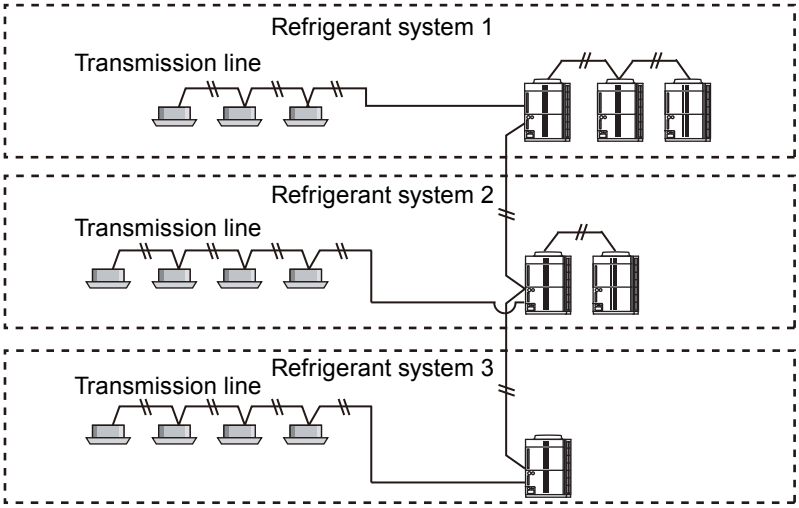


Fig. 3-1

- X1, X2 : Indoor units to outdoor unit (Master)
- Z1, Z2 : Connection for different refrigerant circuit of master outdoor unit
- H1, H2 : Module link connection between master and slave outdoor units (It is required for combination use.)

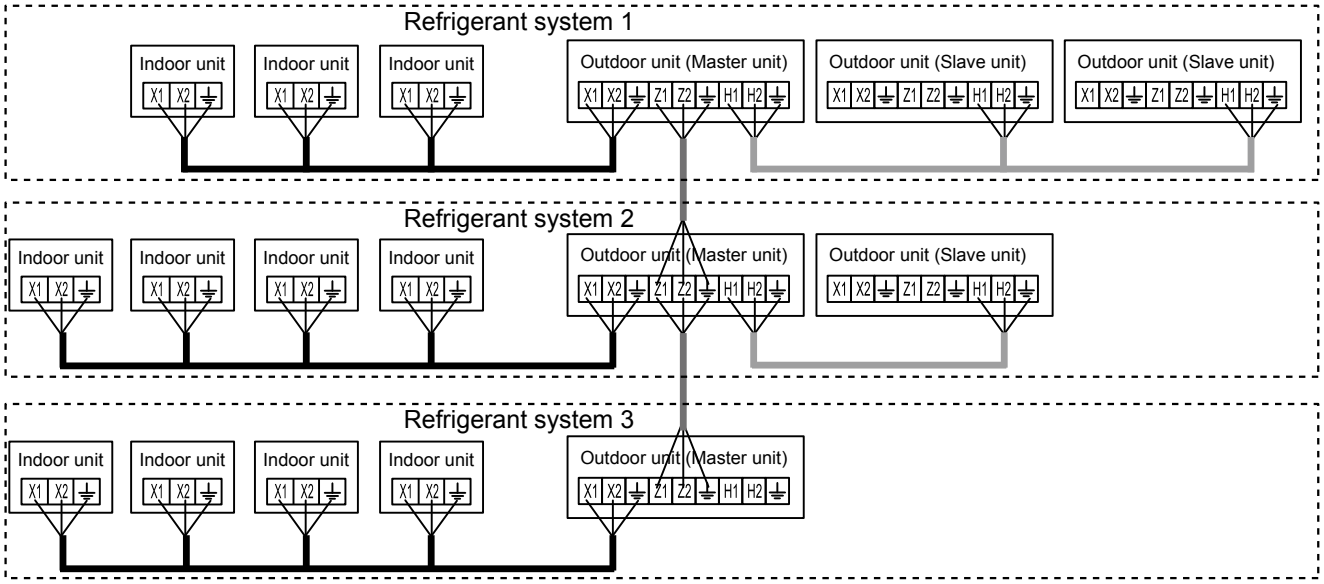


Fig. 3-2

SYSTEM DESIGN

(2) Manual Address Setting

Connect the transmission cable like as Fig 4-1, 4-2.

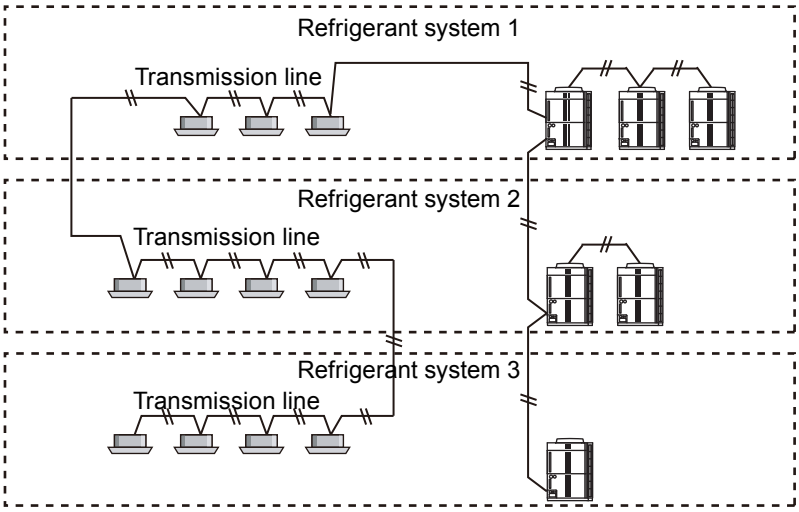


Fig. 4-1

- X1, X2 : Indoor units to outdoor unit (Master)
- Z1, Z2 : Connection for different refrigerant circuit of master outdoor unit
- H1, H2 : Module link connection between master and slave outdoor units
  (It is required for combination use.)

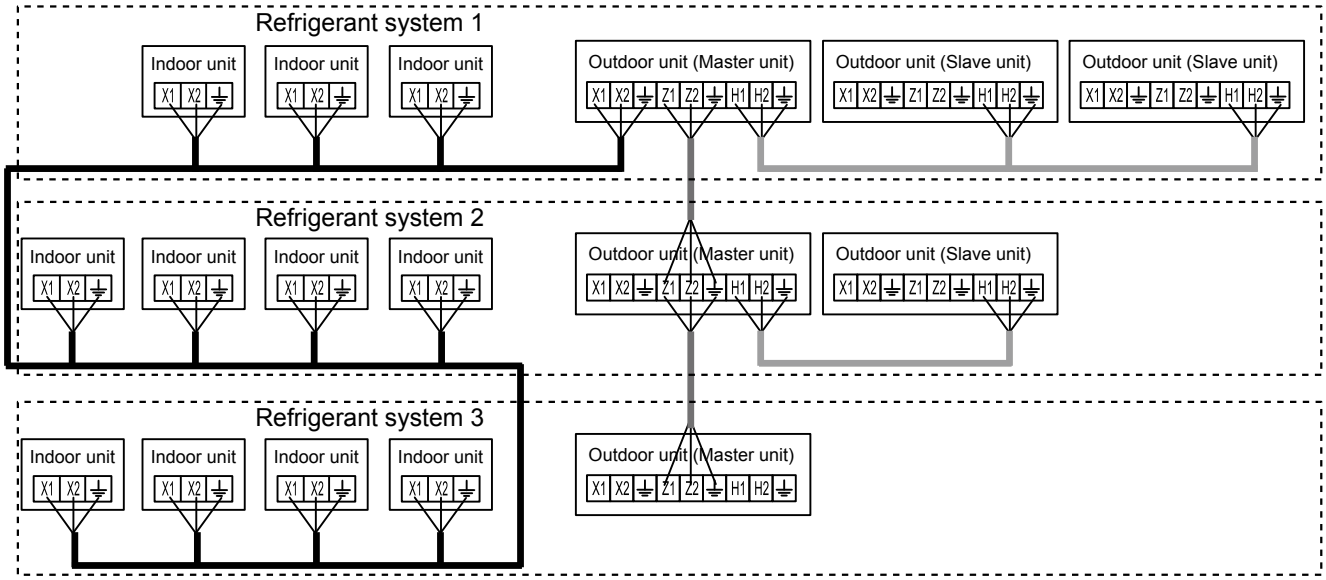


Fig. 4-2

● Step 3 : Check Transmission wiring rule

Confirm transmission wiring rule above.

SYSTEM DESIGN

● Step 4 : Confirm how to install Signal Amplifier

When Signal Amplifier is installed, network is divided into two network segments.

In a network segment (NS) divided by a Signal Amplifier, it has to keep the following facts.

1)Total transmission line length: MAX 500 m

AB+BC+BD < 500 m (Fig. 2)

2)The total number of units* : MAX 64

3)The number of terminal resistor : 1

4)The total number of control units : 2

Fig. 1

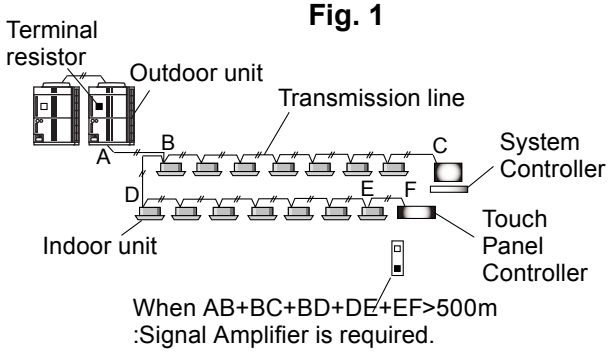
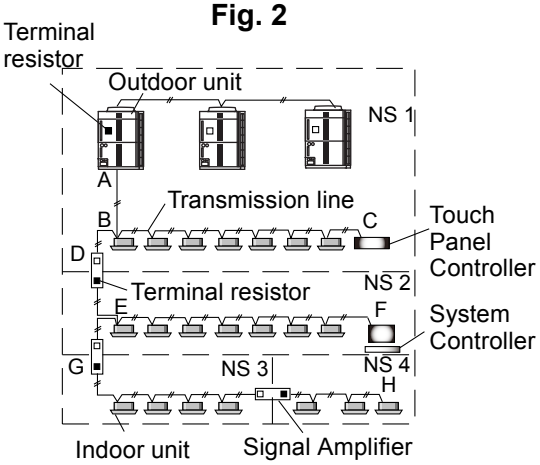


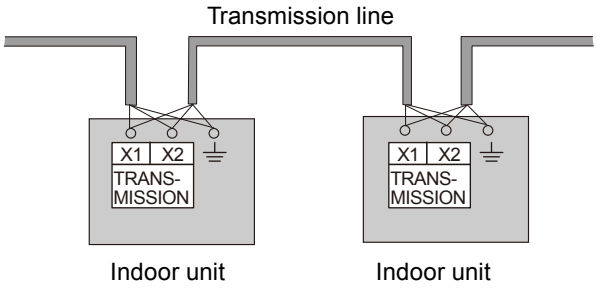
Fig. 2



● Step 5 : Confirm how to wire transmission line

Confirm how to connect transmission line between indoor units.

- Arrange so that there is one terminal resistor for each network segment.
- Always take a ground from both ends of transmission line.



● Step 6 : Confirm transmission wiring system

Check your transmission wiring system if the transmission wiring system is ensured wiring rule.

Check list

□ Total Transmission wiring length

□ Number of indoor unit and outdoor unit

□ Number of System Controller

□ Number of Touch Panel Controller

□ Number of Signal Amplifier

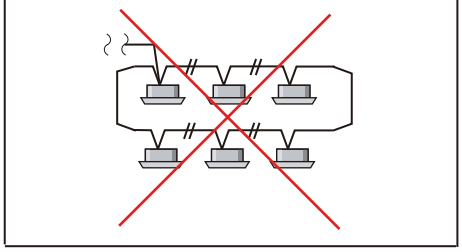
SYSTEM DESIGN

■ TRANSMISSION LINE SEPARATION RULES

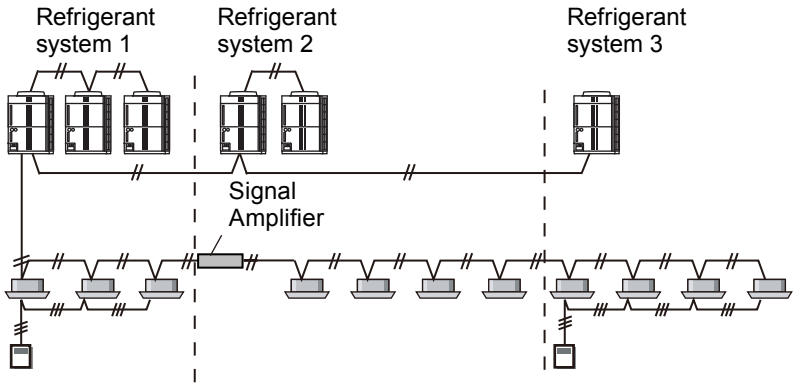
- The transmission line between indoor unit, outdoor unit and controllers can be connected by one cable.
- Terminal board available on the market or the ones inside the indoor unit or outdoor should be used for transmission line separation.
- Connection of three or more lines may cause poor communication for one terminal. In this case, please use a terminal box.

Note

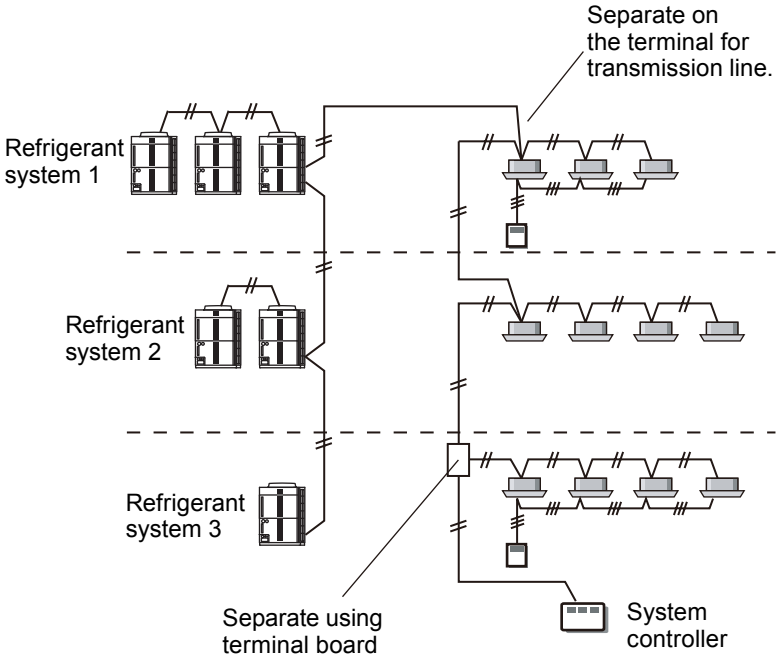
- Do not loop.



Example 1 : Connecting each outdoor and indoor unit with one connection wiring.

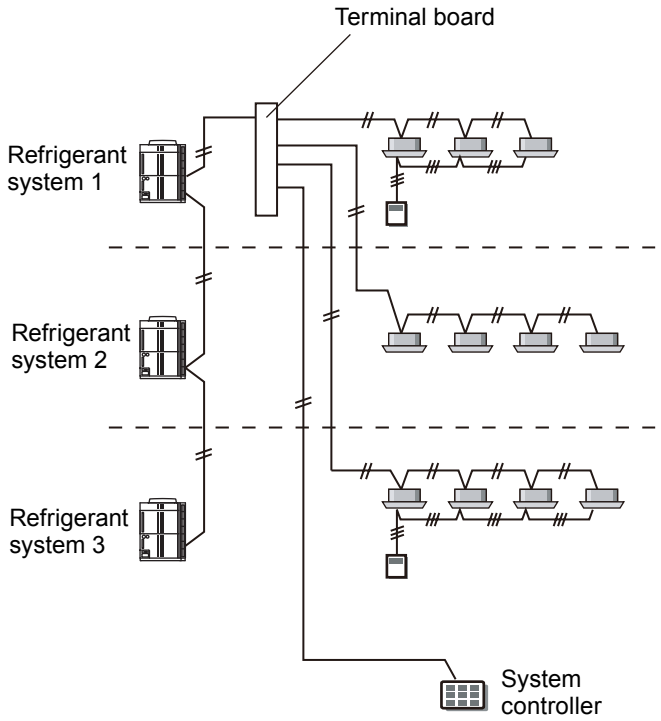


Example 2 : Separating transmission line.

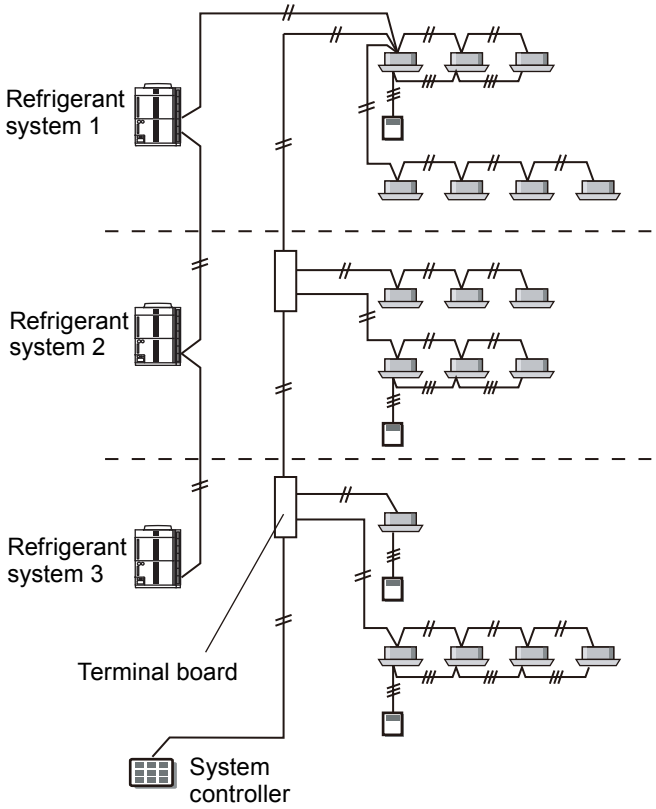


SYSTEM DESIGN

Example 3 : Separation wiring from one terminal board radially.



Example 4 : Combination of example 2 and 3



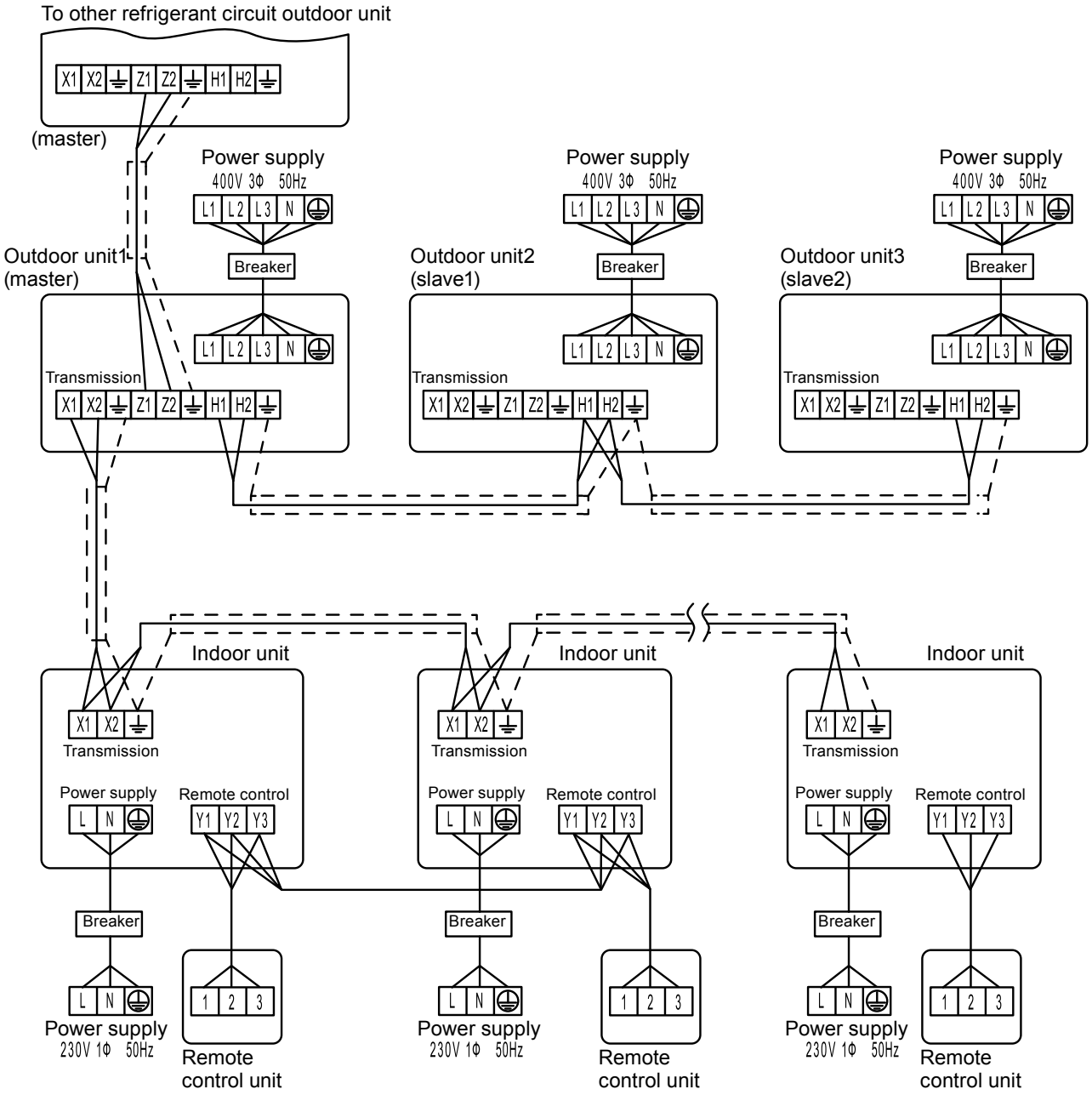
SYSTEM DESIGN

■ WIRING METHOD

Practical transmission wiring method is shown below.

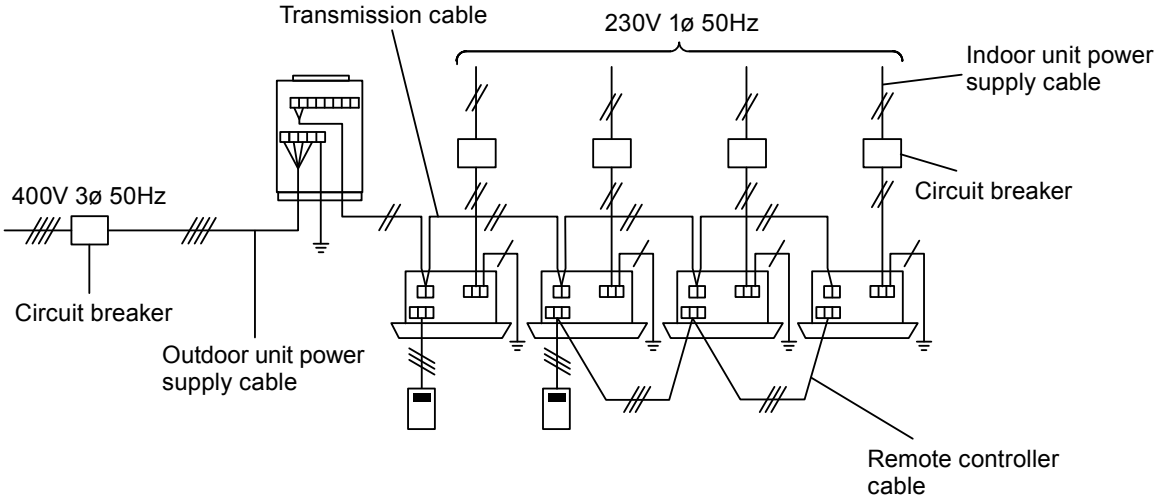
Each terminal has to be connected the following rules.

- X1, X2 : Indoor units to outdoor unit (Master)
- Z1, Z2 : Connection for different refrigerant circuit of master outdoor unit
- H1, H2 : Module link connection between master and slave outdoor units
  (It is required for combination use.)

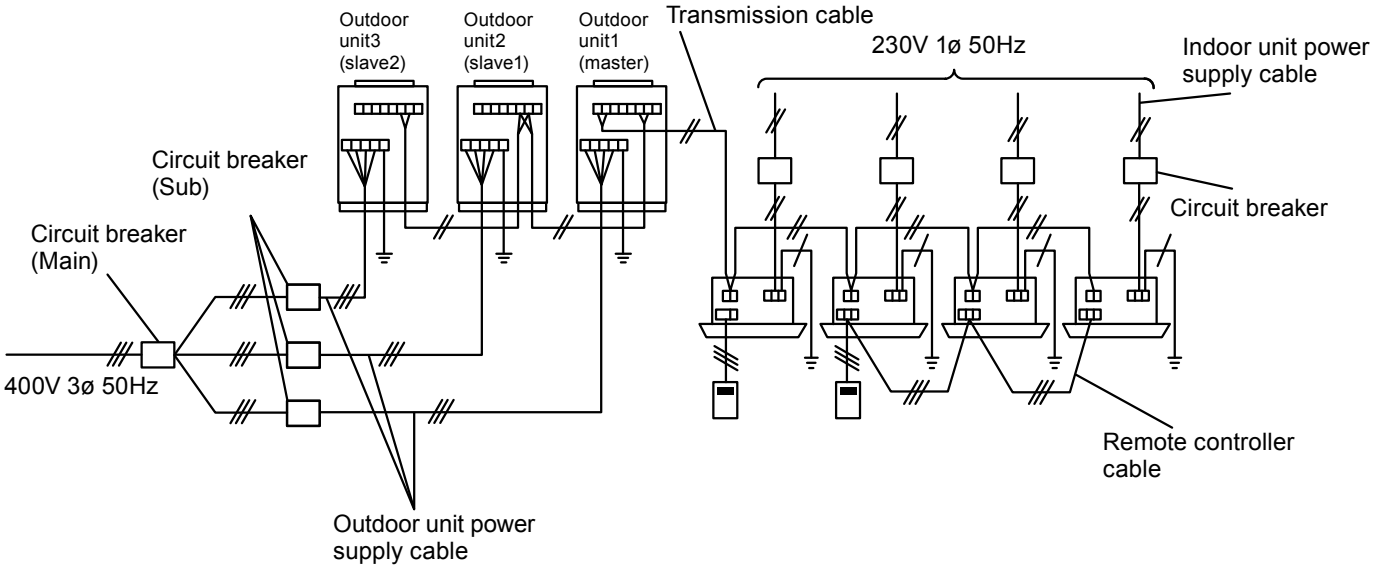


SYSTEM DESIGN

● Example1 : In case of connected one outdoor unit



● Example2 : In case of connected three outdoor units



SYSTEM DESIGN

6-4-4. CONTROLLER CABLE WIRING

■ WIRING SPECIFICATIONS

Model type	Connection to	Wire	Size	Specification
System Controller	USB Adaptor	USB cable	-	
Touch Panel Controller	Transmission line			Refer to 6-4-3
Group Remote Controller	Network Convertor	Remote controller cable	0.33mm^2	Shielded, Polar 3core
Wired Remote Controller	Indoor unit	Remote controller cable	0.33mm^2	Sheathed PVC cable Polar 3core *1
Simple Remote Controller	Indoor unit			
External Switch Controller	Indoor unit	Remote controller cable	0.33mm^2	Shielded, Polar 3core
	External input		0.33mm^2	Shielded, Polar 2core, Twisted pair
IR Receiver Unit (UTB-YWB)	Indoor unit	Connection cable	-	(5m cable attached)
IR Receiver Unit (UTY-LRHYB1)	Indoor unit	Connection cable	-	
Remote Sensor	Indoor unit	Connection cable	-	(10m cable attached)
EV Kit	Indoor unit	Connection cable	-	(5m cable attached)

*1 : Use shielded cable in accordance with local rules for remote controller cable.

⚠ Caution

- Install in accordance with local rules and regulations.
- Never bundle the power supply cable and controller cable together. Bundling these cords together will cause misoperation.
- Always ground for shilded cable both end.
- For detail specification and connection, please refer to "5 Controll system".
- Controller might be required to connect power supply cable and transmission line. Use separate connection with other units for power suply cable.

SYSTEM DESIGN

6-5. SYSTEM SETTING

6-5-1. SYSTEM TYPE SETTING

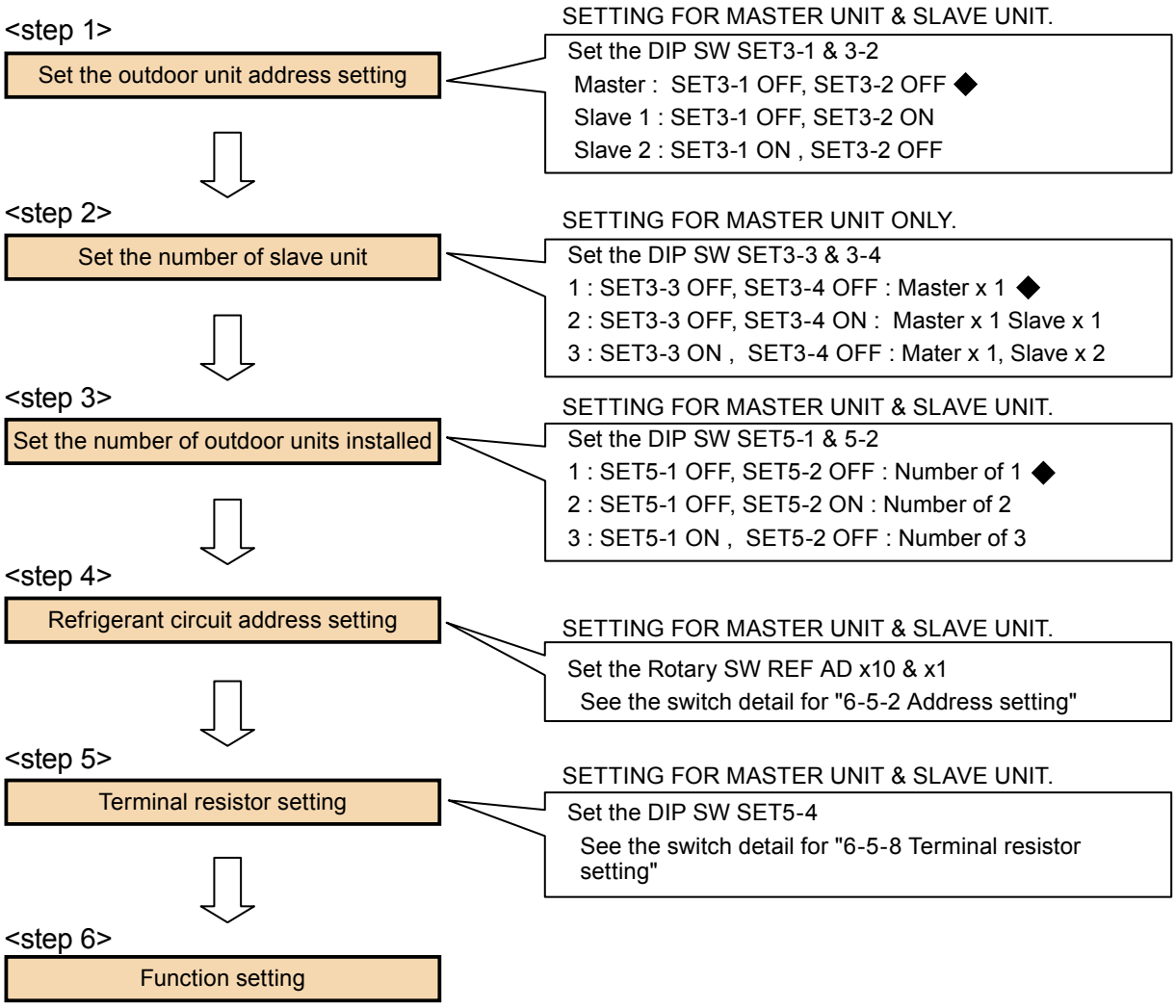
Set the DIP switch to the corresponding system type as shown in the table.

Do not use a nonexistent switch combination.

Note
∗Perform the system setting and address setting , before turning on the power. ∗For the air conditioner to operate properly, perform the correct setting.

■ OUTDOOR UNIT SETTING

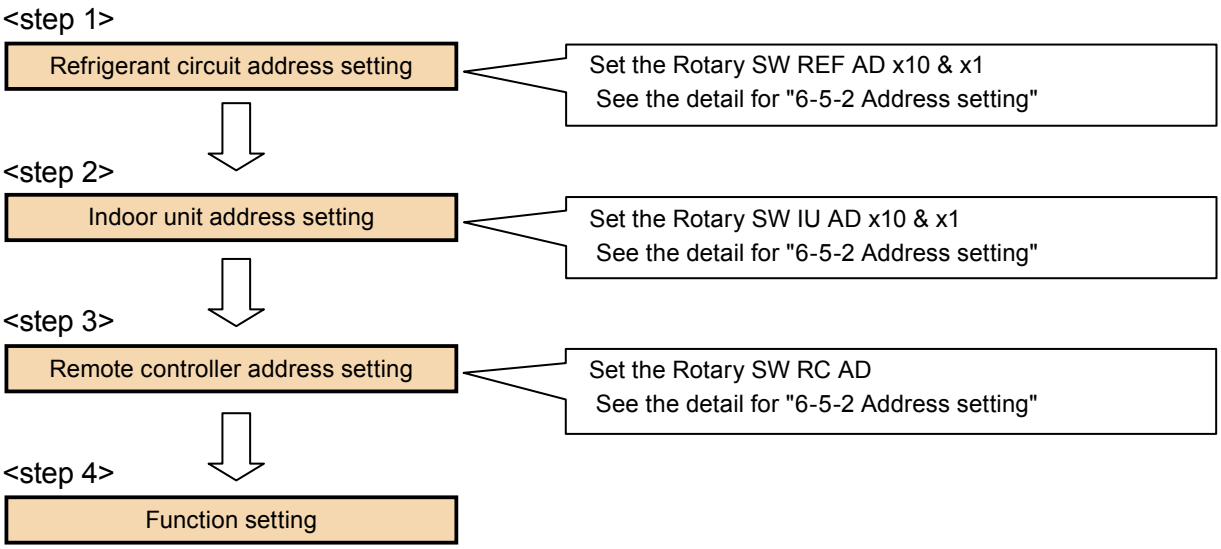
(◆. . . Factory Setting)



SYSTEM DESIGN

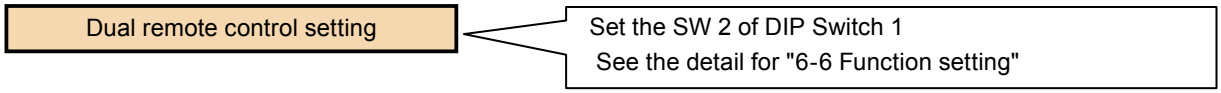
■ INDOOR UNIT SETTING

Please refer to the correct SW position for 6-6 Function Setting.



■ REMOTE CONTROLLER SETTING

In case of Wired remote controller, Simple remote controller.



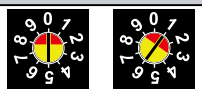
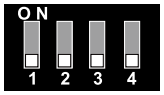
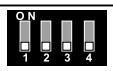
* Other than above unit , Please refer the 6-6 Function setting and installation manual.

SYSTEM DESIGN

6-5-2. ADDRESS SETTING

For this system, each address should be preset before operation.
Please refer following table for outdoor unit, indoor unit and each remote controller.

■ KINDS OF ADDRESS AND SETTING RANGE

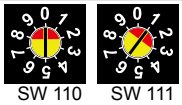
UNIT		SETTING	SETTING RANGE	TYPE OF SWITCH	REMARKS
Outdoor unit	A	Refrigerant circuit address	00 ~ 99	Setting example 01  REF AD x10 REF AD x1	Arbitrary numbers can be set in range of 00-99
	B	Outdoor unit address	0 ~ 2	 SET3	DIP SW SET3-1 DIP SW SET3-2
	C	Number of slave unit	0 ~ 2		DIP SW SET3-3 DIP SW SET3-4 (Master unit only)
	L	Number of outdoor units installed	1 ~ 3	 SET5	DIP SW SET5-1 DIP SW SET5-2
Indoor unit	D	Refrigerant circuit address	00 ~ 99	**■ Manual address setting** Setting example 01 REF AD x10 REF AD x1	Arbitrary numbers can be set in range of 00-99
				■ Infrared address setting Set this switch to 00 at factory setting.	See the setting method 6-5-4
				■ Wired R.C. address setting Set this switch to 00 at factory setting.	See the setting method 6-5-5
				■ Simple R.C. address setting Set this switch to 00 at factory setting.	See the setting method 6-5-6
				■ Automatic address setting Set this switch to 00 at factory setting.	See the setting method 6-5-7
	E	Indoor unit address	00 ~ 63	**■ Manual address setting** Setting example 12 IU AD x10 IU AD x1	Arbitrary numbers can be set in range of 00-63
				■ Infrared address setting Set this switch to 00 at factory setting.	See the setting method 6-5-4
				■ Wired R.C. address setting Set this switch to 00 at factory setting.	See the setting method 6-5-5
				■ Simple R.C. address setting Set this switch to 00 at factory setting.	See the setting method 6-5-6
				■ Automatic address setting Set this switch to 00 at factory setting.	See the setting method 6-5-7
	F	Remote controller address	0 ~ 15	Setting example 10 RC AD	See the setting method 6-5-3

*Set up after confirming the details of each unit.

SYSTEM DESIGN

SYSTEM DESIGN

■ KINDS OF ADDRESS AND SETTING RANGE

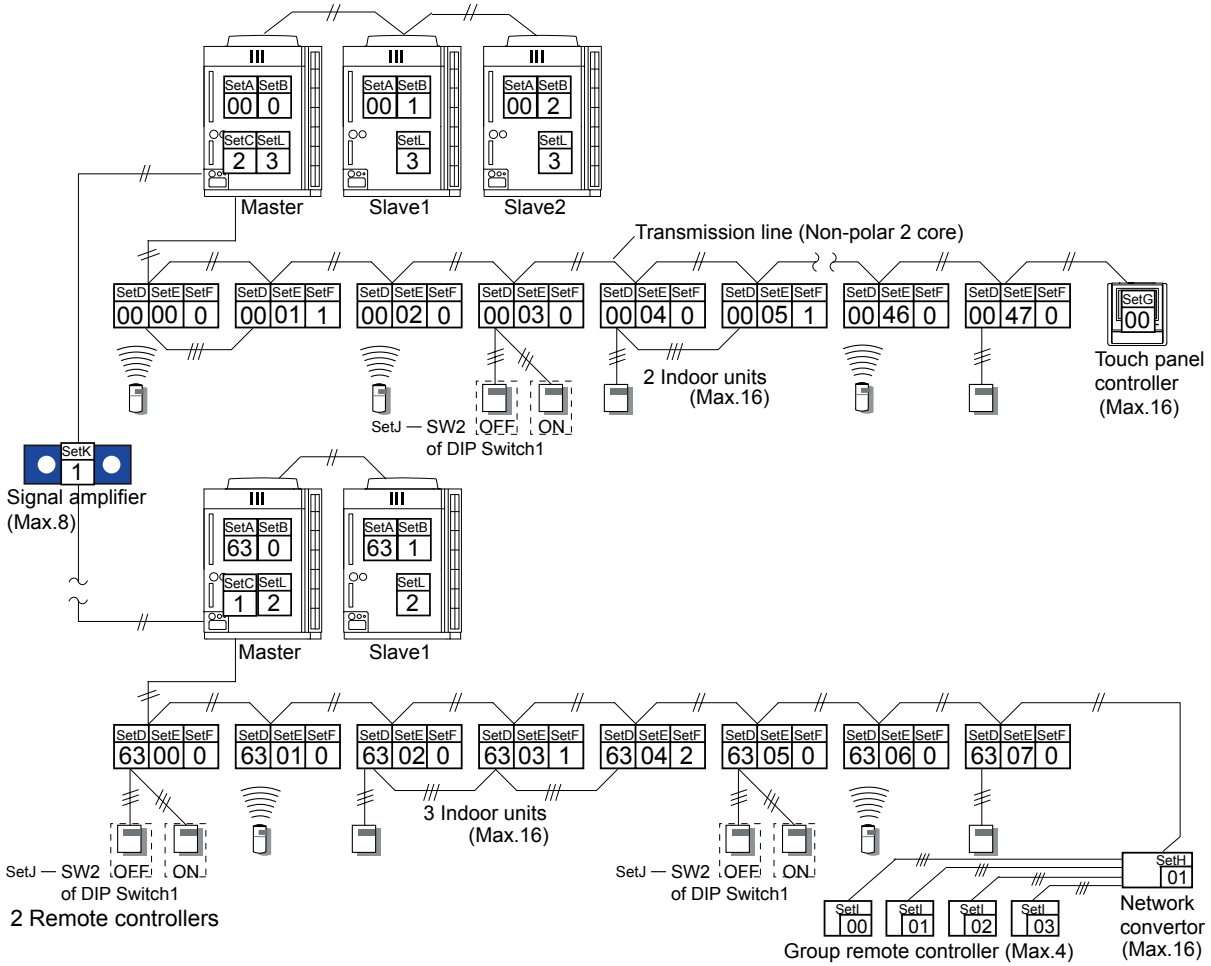
UNIT	SETTING		SETTING RANGE	TYPE OF SWITCH	REMARKS
Touch panel controller	G	Controller / Convertor address	00 ~ 15 *1		See the setting method 6-6-8
Network convertor	H	Controller / Convertor address	00 ~ 15 *1	Setting example 01  SW 110 (10 digit) SW 111 (1 digit)	See the setting method 6-6-9
		Refrigerant circuit address	0 ~ 99		
Group remote controller	I	Group remote controller address	00 ~ 03		See the setting method 6-6-7
Wired, simple remote controller	J	Dual remote control switch	ON/OFF	SW 2 of DIP Switch 1	See the setting method 6-6-6
Signal amplifier	K	Signal amplifier address	1 ~ 8	**■ Manual address setting**	See the setting method 6-6-10
				■ Automatic address setting Set to 1 at factory setting.	See the setting method 6-5-7
Network convertor for LonWorks®	M	Convertor address	00 ~ 15 *1		See the setting method 6-6-11

*Set up after confirming the details of each unit.

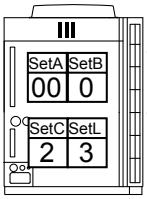
*1: The sum total of the Touch panel controller, Network convertor for Group remote controller and Network convertor for LonWorks® is a maximum of 16.
Note: Address of the Touch panel controller, Network convertor for Group remote controller and Network convertor for LonWorks® must not be same.

SYSTEM DESIGN

■ SETTING EXAMPLE



● Outdoor unit setting



SetA: Refrigerant circuit address (Rotary SW REF AD x10, x1)
SetB: Outdoor unit address (DIP SW SET3-1, 3-2)
SetC: Number of slave unit (DIP SW SET3-3, 3-4) <Master unit only>
SetL: Number of outdoor units installed (DIP SW SET5-1, 5-2)

● Touch panel controller setting

SetG: Controller address (Max.16)

● Network convertor setting

SetH: Convertor address
(for Group remote controller:Max.16)

Refrigerant circuit address
(for Single split AC:Max.100)

● Indoor unit setting

SetD	SetE	SetF
63	06	0

SetD		SetE		SetF
Refrigerant circuit address		Indoor unit address		Remote controller address
REF AD X10	REF AD X1	IU AD X10	IU AD X1	RC AD

● Group remote controller setting

SetI: Group remote controller address (Max.4)

● Wired, Simple remote controller setting

SetJ: Dual remote control
(SW2 of DIP Switch1)

● Signal amplifier setting

SetK: Signal amplifier address (Max.8)

● Network convertor for LonWorks® setting

SetM: Convertor address

∗Instructions for setting up the address

1. The refrigerant circuit address of the indoor and outdoor units can be set to arbitrary numbers in the range of 0 to 99.
2. The Indoor unit address can be set to arbitrary numbers in the range of 0 to 63.
3. The total numbers of indoor units ≦48.
4. Set the remote controller address in the order of 0,1,2, . . . ,15.(Blank is not allowed)
5. Touch panel controller address can be set to arbitrary numbers in the range of 0 to 15.

6 : The sum total of the Touch panel controller, Network convertor for Group remote controller and Network convertor for LonWorks® is a maximum of 16.

7. Please keep Address No. of Touch Panel Controller from overlapping the controller (Network convertor for Group remote controller and Network convertor for LonWorks®) connected to the same VRF Network system.

SYSTEM DESIGN

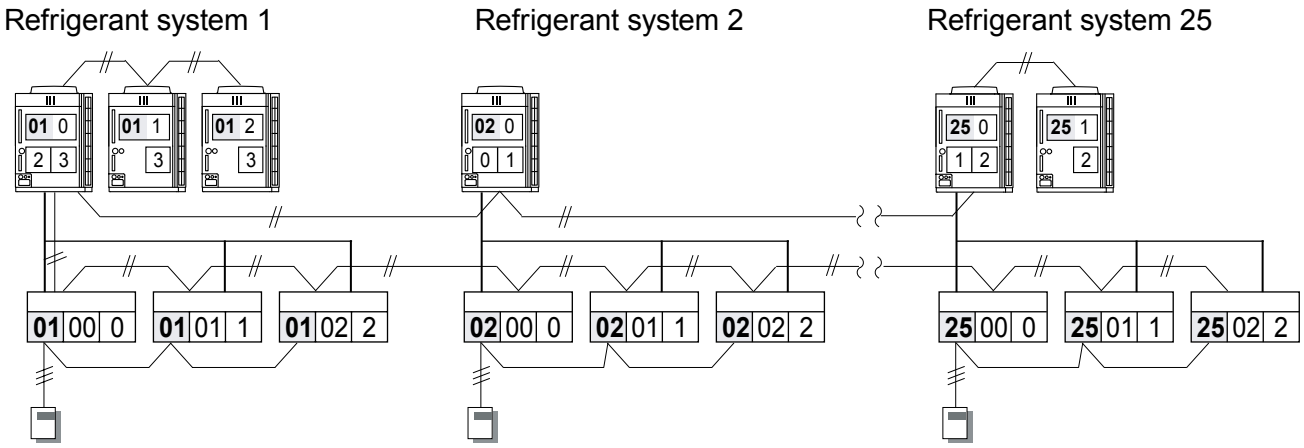
6-5-3. MANUAL ADDRESS SETTING METHOD

■ ADDRESS SETTING DESCRIPTION

● Refrigerant circuit address (Set A and Set D)

In case of 2 or more refrigerant system in VRF network system, each refrigerant system should be set an exclusive refrigerant circuit address.

Refrigerant system : It means same refrigerant circuit which has connected between outdoor unit and indoor unit by piping.



● Example

Outdoor unit (Set A)

Refrigerant circuit address	Rotary SW setting	
	REF AD x10	REF AD x1
01	0	1
11	1	1
25	2	5
50	5	0

Indoor unit (Set D)

Refrigerant circuit address	Rotary SW setting	
	REF AD x10	REF AD x1
01	0	1
11	1	1
25	2	5
50	5	0

Setting range 00 - 99(Arbitrary numbers can be set)

All the indoor unit and outdoor unit in same refrigerant circuit should be set same address.

SYSTEM DESIGN

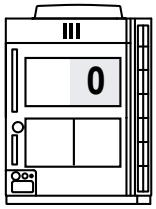
● Outdoor unit address (Set B)

Please set the outdoor unit address for each outdoor unit.

Outdoor unit is preset "0" , at factory setting.

So that 1 outdoor unit system is not required for the field setting.

In case of 2 or 3 outdoor units connected in same refrigerant circuit, set the slave unit which has installed farther from master unit to Slave2 setting "2".

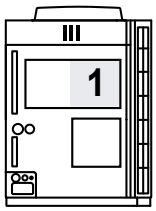


Master

Outdoor unit address 0

SW SET3-1 OFF

SW SET3-2 OFF

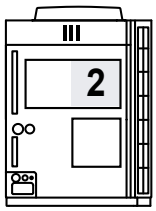


Slave1

1

SW SET3-1 OFF

SW SET3-2 ON



Slave2

2

SW SET3-1 ON

SW SET3-2 OFF

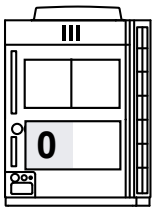
Outdoor unit address		0 ◆	1	2
DIP SW	SET3-1	OFF	OFF	ON
	SET3-2	OFF	ON	OFF

(◆. . . Factory Setting)

● Number of slave unit (Set C)

(Set at Master unit PCB only)

Please set the number of slave unit on Master unit PCB.



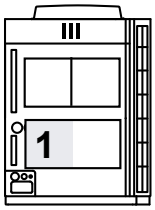
Master

Number of slave unit

0

SW SET3-3 OFF

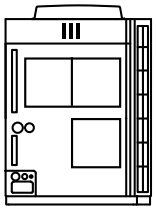
SW SET3-4 OFF



Master

SW SET3-3 OFF

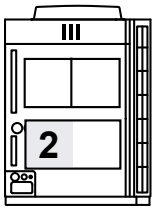
SW SET3-4 ON



Slave 1

Number of slave unit

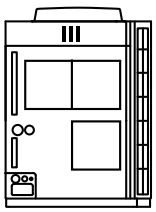
1



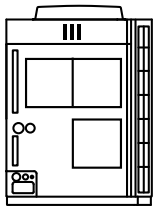
Master

SW SET3-3 ON

SW SET3-4 OFF



Slave 1



Slave 2

Number of slave unit

2

Number of slave unit		0 ◆	1	2
DIP SW	SET3-3	OFF	OFF	ON
	SET3-4	OFF	ON	OFF

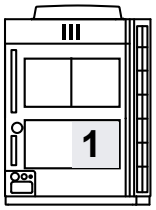
(◆. . . Factory Setting)

SYSTEM DESIGN

SYSTEM DESIGN

● Number of outdoor units installed (Set L)

The number of outdoor units installed in one refrigerant system must be set.
Set for all outdoor units.

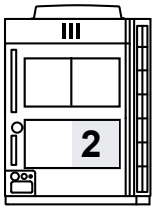


Master

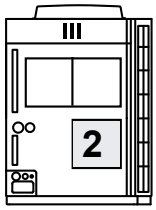
Number of outdoor unit

1

SW SET5-1 OFF
SW SET5-2 OFF



Master

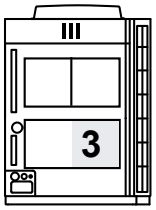


Slave 1

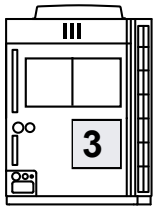
Number of outdoor unit

2

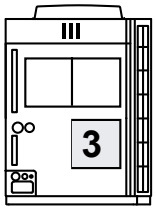
SW SET5-1 OFF
SW SET5-2 ON



Master



Slave 1



Slave 2

Number of outdoor unit

3

SW SET5-1 ON
SW SET5-2 OFF

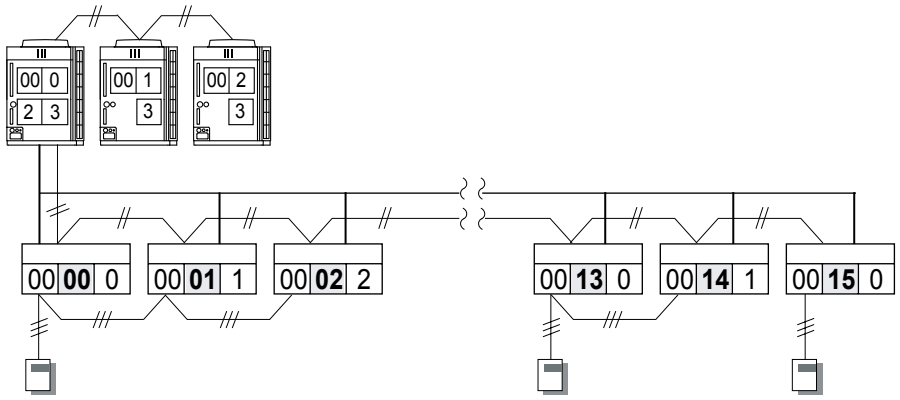
Number of outdoor unit		1 ◆	2	3
DIP SW	SET5-1	OFF	OFF	ON
	SET5-2	OFF	ON	OFF

(◆. . . Factory Setting)

SYSTEM DESIGN

● Indoor unit address (Set E)

Each indoor unit in same refrigerant system should be set an exclusive indoor unit address.



Indoor unit address	Rotary SW setting	
	IU AD x10	IU AD x1
03	0	3
11	1	1
30	3	0
47	4	7

*Setting range 00 - 63(Arbitrary numbers can be set)

*Connectable indoor units are maximum 48 units.

*Do not set indoor unit address to the range of 64 from 99.

*Do not set the same address number to two or more indoor units.

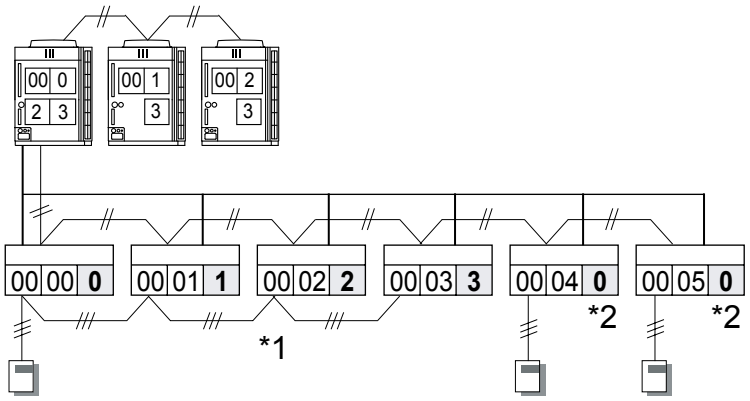
SYSTEM DESIGN

● Remote controller address (Set F)

1 individual remote controller can be controlled Max.16 indoor unit with connecting remote controller cable.

These units connecting by remote controller cable regards as remote controller group.

Even 1 indoor unit as 1 or no remote controller connection regards 1 remote controller group.



Remote controller address	Rotary SW setting
	RC AD
0	0
1	1
11	B
15	F

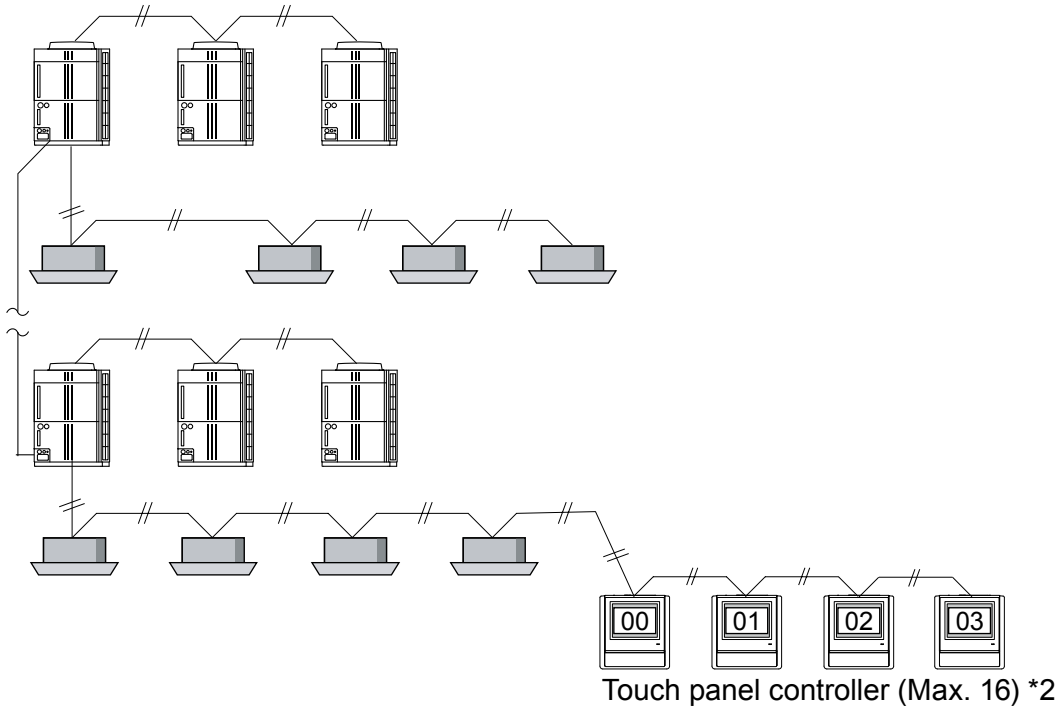
Remote controller address	Rotary SW setting
	RC AD
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	A
11	B
12	C
13	D
14	E
15	F

*1 : Set the remote controller address in the order of 0,1,2, . . . ,15.(Blank is not allowed)

*2 : When remote controller group is not constructed (1:1 connection of indoor unit and remote controller), be sure to set the remote controller address to "0" (factory setting).

SYSTEM DESIGN

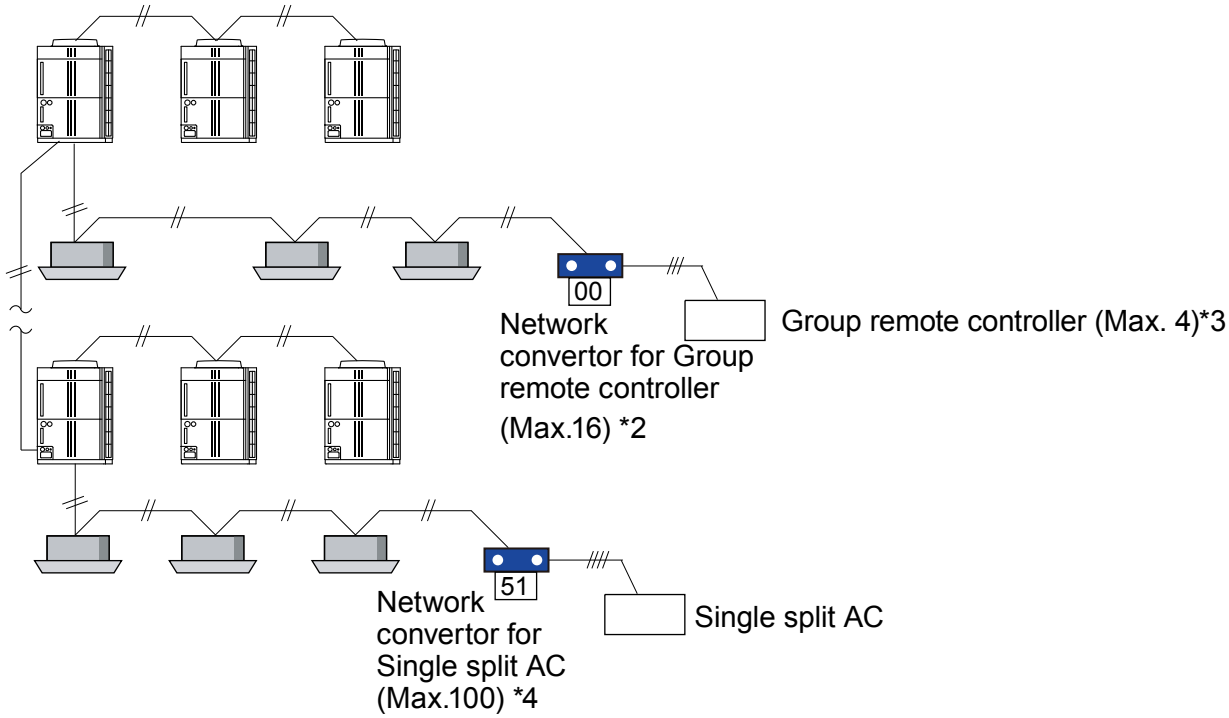
● Touch panel controller setting (Set G)



*1 : Set Touch panel controller address first, to conduct the initial setting of it.
Refer to the "setting manual" for details.

*2 : The sum total of the Touch panel controller, Network convertor for Group remote controller and Network convertor for LonWorks® is a maximum of 16.

● Network convertor setting (Set H)



*1 : Set the Rotary SW 110 and SW 111 on network convertor PCB.

*2 : The sum total of the Touch panel controller, Network convertor for Group remote controller and Network convertor for LonWorks® is a maximum of 16.

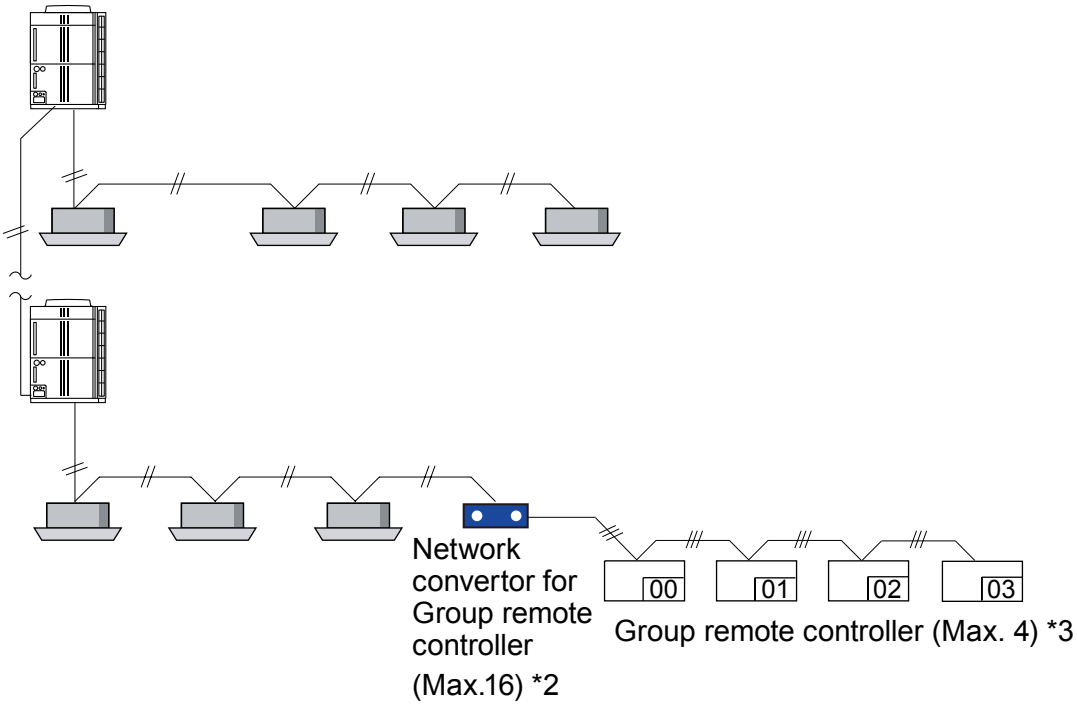
*3 : Up to 64 Group remote controllers are able to connect with one VRF Network system.

*4 : When connecting the Network convertor for Single split AC , set up the number so that the Refrigerant circuit address number of outdoor unit and indoor unit does not overlap .

And the sum total of the Refrigerant circuit address of Network convertor for Single split AC and the Refrigerant circuit address of the outdoor unit and the indoor unit is a maximum of 100.

SYSTEM DESIGN

● Group remote controller setting (Set I)



*1 : Set group remote controller address first, to conduct the initial setting of it.

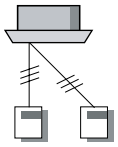
*2 : The sum total of the Touch panel controller, Network convertor for Group remote controller and Network convertor for LonWorks® is a maximum of 16.

*3 : Up to 64 Group remote controllers are able to connect with one VRF Network system.

● Dual remote control switch (Set J)

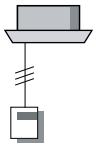
When 2 wired remote controllers are connected to the remote control group, turn the SW 2 of DIP Switch 1 of Slave Remote Controller ON.

- Slave remote controller will not be valid for timer setting.
- Last command is priority.



[Master] [Slave]
SW2 OFF ON
of DIP Switch 1

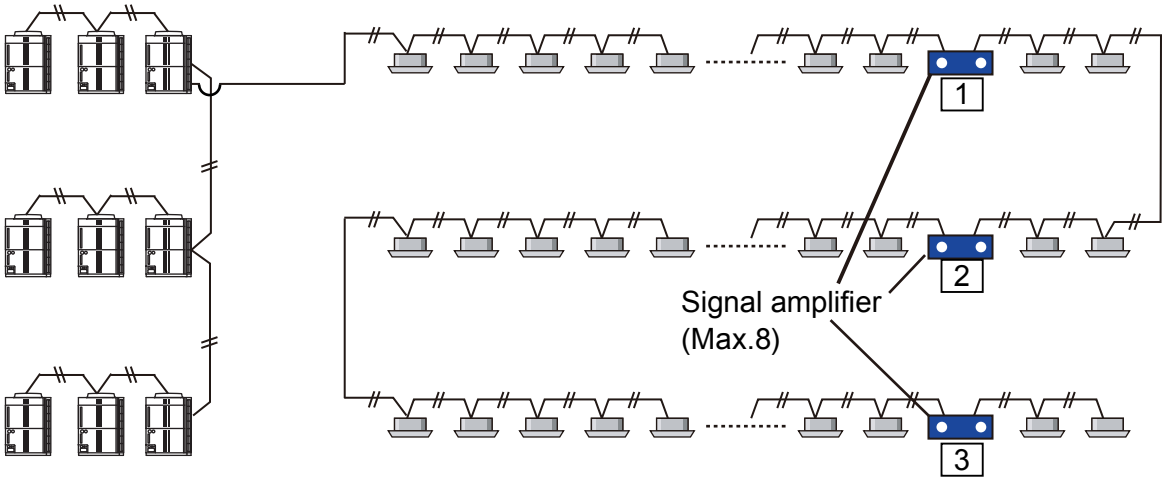
Remote controller unit PCB
Setting by SW 2 of DIP Switch 1



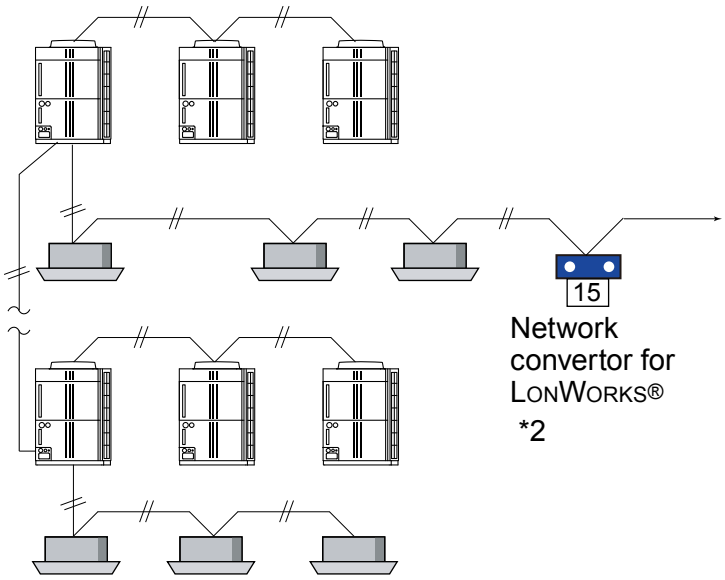
[Master]
SW2 OFF
of DIP Switch 1

When only 1 remote controller will connect, this SW 2 of DIP Switch 1 must be set OFF.

● Signal amplifier address (Set K)



● Network convertor for LonWorks® setting (Set M)



*1 : Setting up more than one Network Convertor in one VRF network system is prohibited.

*2 : The sum total of the Touch panel controller, Network convertor for Group remote controller and Network convertor for LonWorks® is a maximum of 16.

SYSTEM DESIGN

6-5-4. INFRARED ADDRESS SETTING

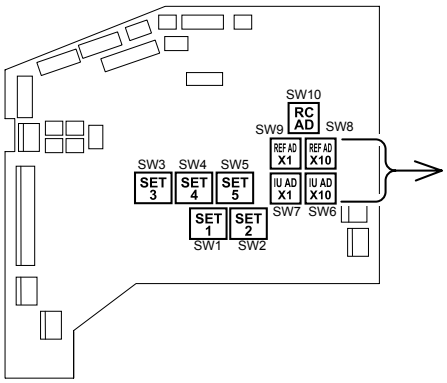
- A wireless remote controller is required to set the infrared address setting.
- This function is available in all indoor unit with infrared signal receiver.
- Infrared address setting for duct type and cassette type models can be made possible by using the optional IR receiver unit.

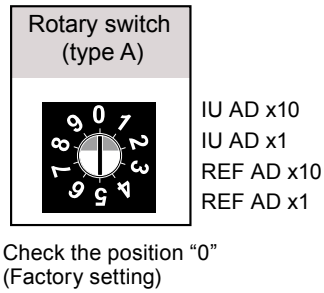
  Note : Since Beeping sound generate from indoor unit PCB installed far away (not from IR Receiver unit), sound might not be heard.
- The indoor unit's refrigerant circuit address and indoor unit address can be set using the infrared address setting.
- When remote controller address setting is required, set by the rotary switch on the indoor unit's PCB.

■ PREPARATION

(1) Set the switch on the indoor unit's PCB that is used for manual address setting is set to "00" at factory setting.

(This process is unnecessary for newly installed and not yet set the SW.)





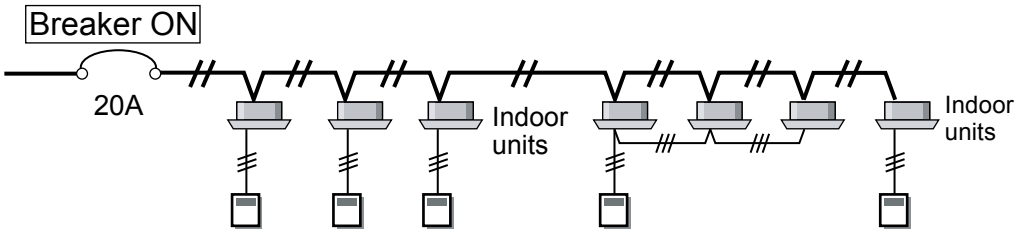
Check the position "0" (Factory setting)

∗If it is set to any other numbers, that setting value will be enabled.

(2) Turn on the power to the indoor unit.

∗ By turning on the power indoor units initializes EEV, so make sure the piping air-tight test and vacuuming have been conducted before turning on the power.

∗ Also check again to make sure no wiring mistakes were made before turning on the power.

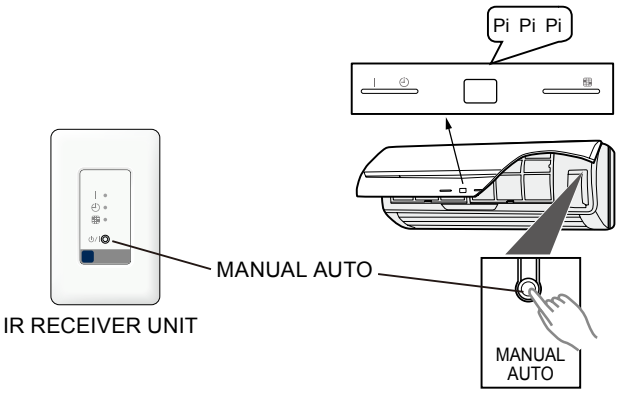


SYSTEM DESIGN

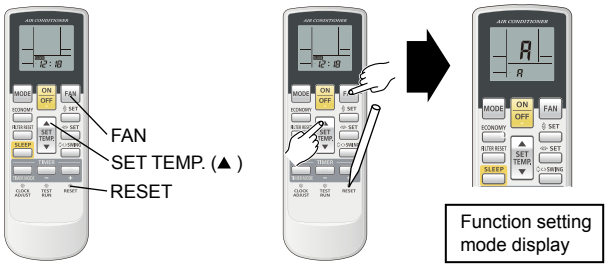
SYSTEM DESIGN

■ SWITCHING SELECTION OF ADDRESS SETTING MODE

(3) Press and hold the “MANUAL/AUTO” button for 3 seconds.



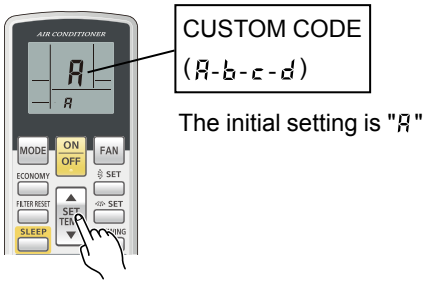
(4) Press and hold the “FAN” and the “ SET TEMP. ▲ ” buttons. Whilst holding these 2 buttons, press the "RESET" button.



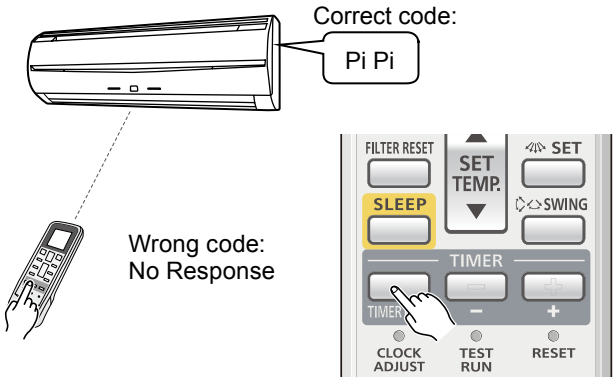
- The position of the “MANUAL/AUTO” button varies depending on the model. Refer to the operation manual for the position that is included with the unit.
- The error will be displayed by continuosly pressing the "MANUAL/AUTO" for 10 sec or more. In this case release the button or turn off the power.
- An explanation of the displayed information as shown below.

■ SELECTION AND CONFIRMATION OF CUSTOM CODE

(5) Press the “ SET TEMP. ▲ ” or “ SET TEMP. ▼ ” buttons to select the custom code that matches the setting with the indoor unit.By selecting the appropriate custom code, the communication between the indoor unit and the wireless RC become possible.



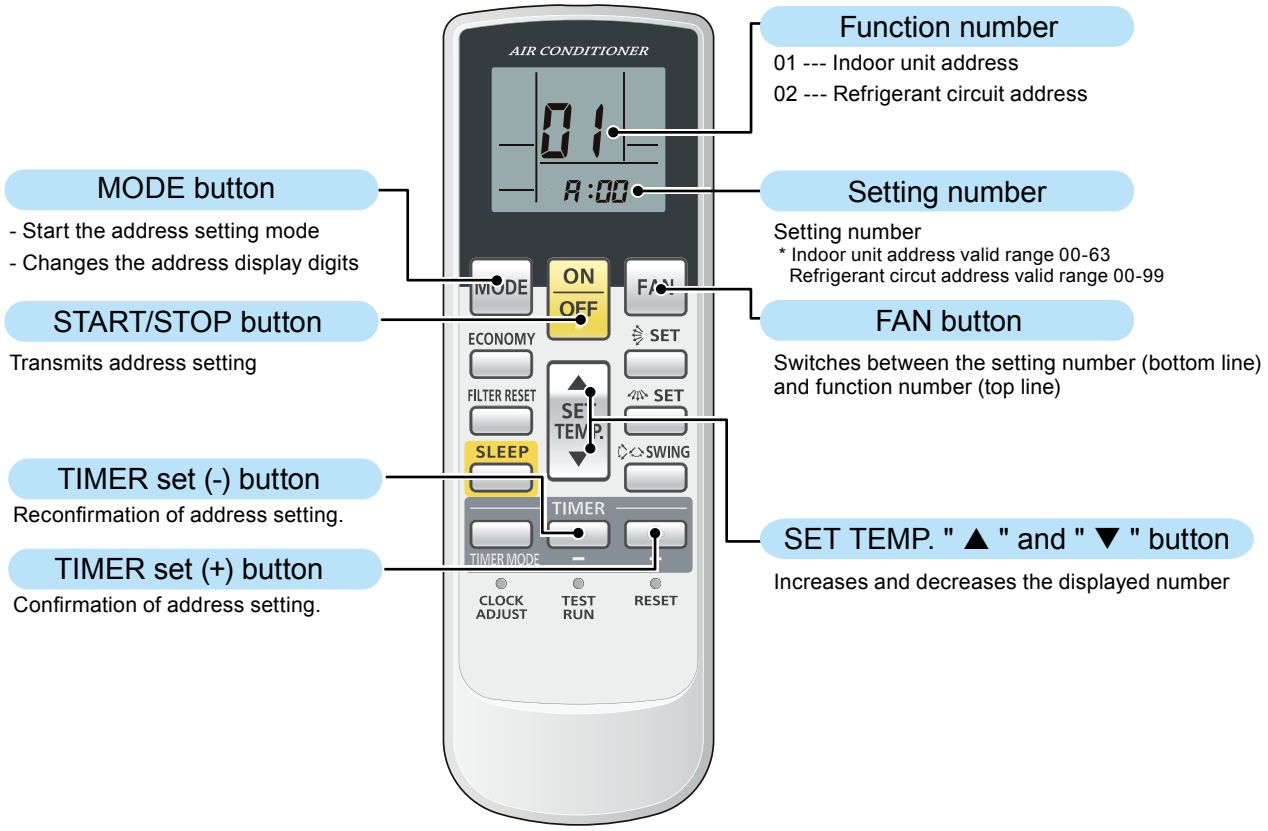
(6) Press the “TIMER MODE" button to send the code to the indoor unit.



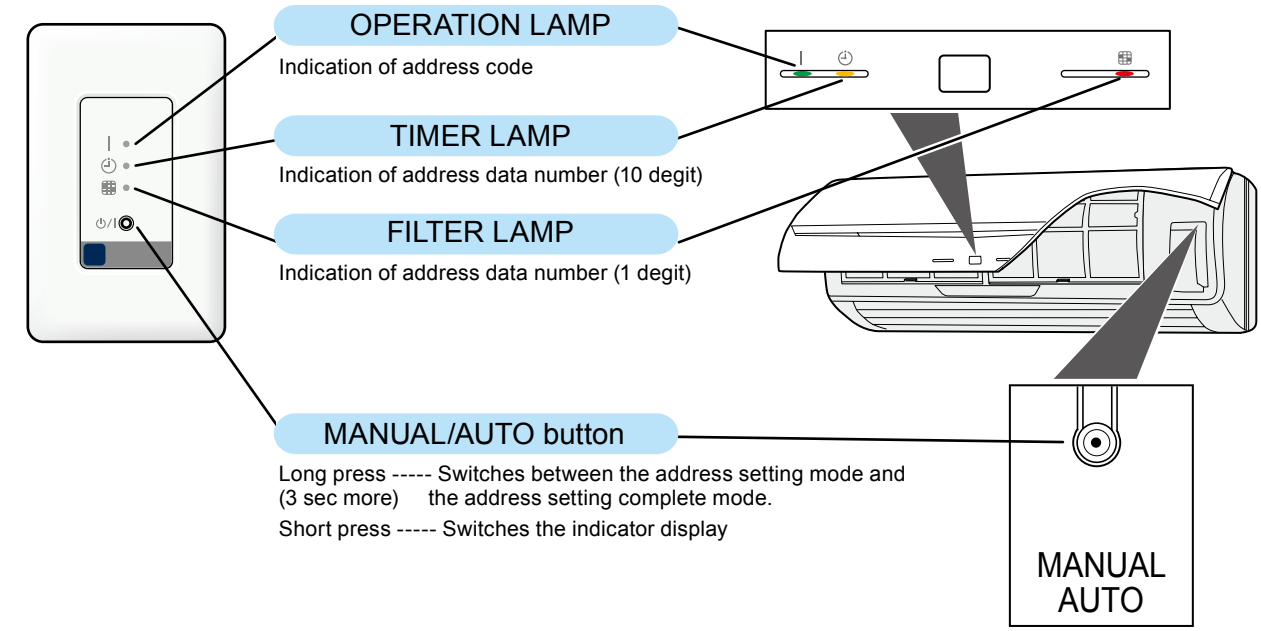
SYSTEM DESIGN

■ BUTTON NAME AND FUNCTION

- Refer to “6-5-2" for an outline of the address setting.
- It does not matter whether the refrigerant circuit address or indoor unit address is set first. (The method shown here sets the indoor unit address first.)
- During address setting mode, indoor unit reject the any operation command from remote controller.



IR RECEIVER UNIT



Note : Address code display is as follows (operation lamp display)

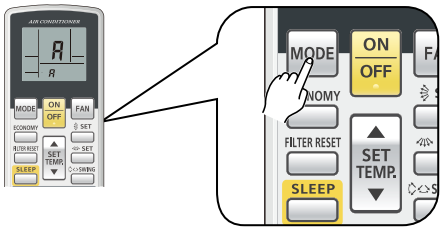
	INDOOR UNIT ADDRESS DISPLAY	REFRIGERANT CIRCUIT ADDRESS DISPLAY
OPERATION LAMP	ON OFF (Light continuously)	ON OFF (Light 1 sec ON / 1 sec OFF)

SYSTEM DESIGN

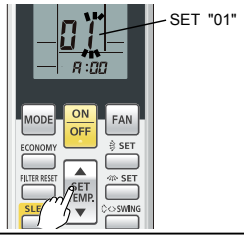
■ ADDRESS SETTING

● INDOOR UNIT ADDRESS SETTING

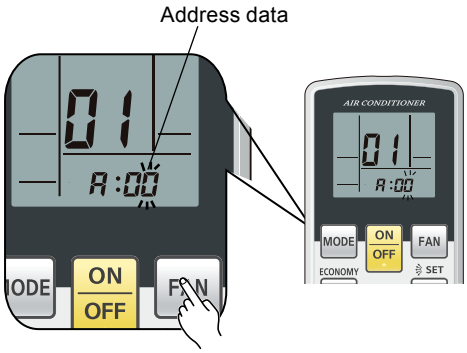
(7) Press the “MODE” button to access the address setting mode.



(8) Make sure the bottom number function number is ‘01’. If the number is other than ‘01’, press the “ ▲ ” or the “ ▼ ” buttons to alter.

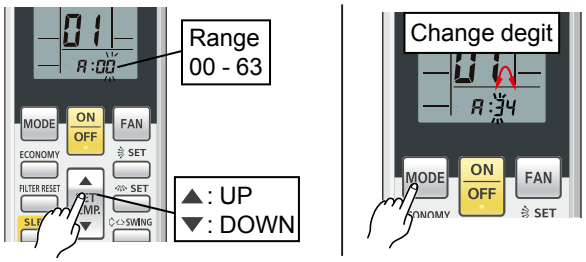


(9) Press the “FAN” button to access the address data setting mode. The address data will flash once this button is pressed.

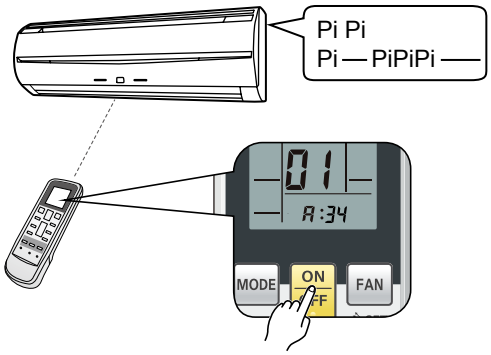


(10) Press the “ ▲ ” or the “ ▼ ” buttons to adjust the address data. The indoor unit address range is between 00 and 63.

Each time the “MODE” button is pressed, it switches between 1 unit and 10 units positions.



(11) Press the “START/STOP” button once to send the information. A beeping noise will be heard if the command is accepted.

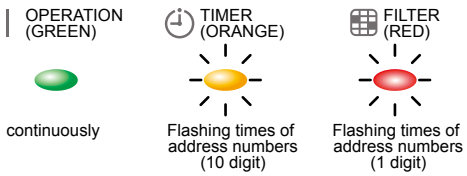


* In the following cases the setting signal is not read and a buzzer sounds.

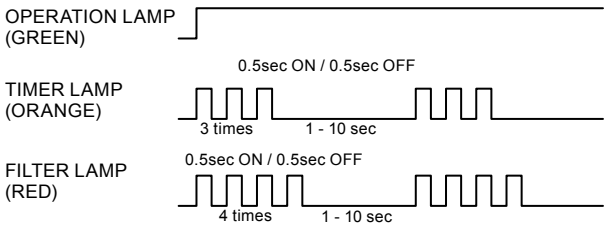
The indoor unit address No. is set out of range (64 or more) : Pi Pi Pi ———— (3 sec)

The setting of the rotary switch on the PCB is not "00" : Pi Pi Pi Pi Pi

(12) Indoor unit will display the indoor unit address data number on "TIMER ◷ "(ORANGE) and "FILTER ▦ "(RED) light.



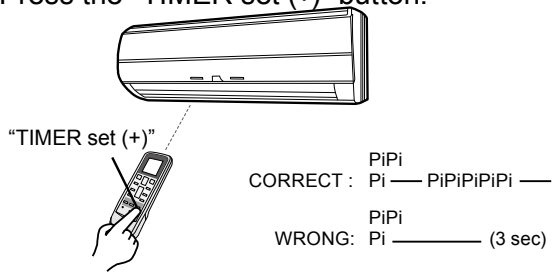
(Example) ADDRESS : 34



* ADDRESS 0 setting will not indicate TIMER LAMP and FILTER LAMP.

● Confirmation of address setting

(13) Press the “TIMER set (+)” button.

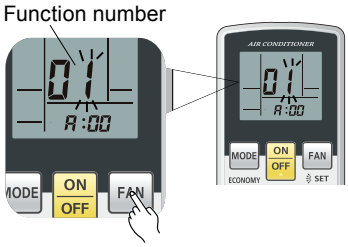


SYSTEM DESIGN

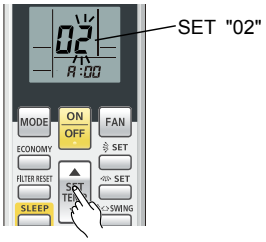
● REFRIGERANT CIRCUIT ADDRESS SETTING

Note : The refrigerant circuit address can also be set evenwhile above indoor unit address display.

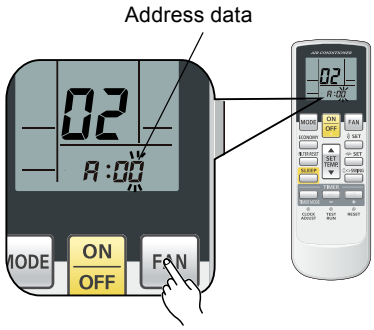
(14) Press the “FAN” button to select the function number.



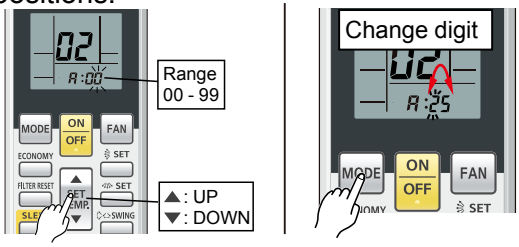
(15) Press the " ▲ " or the " ▼ " button to adjust function number 02.



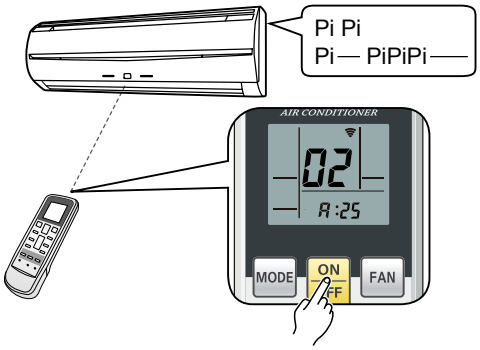
(16) Press the “FAN” button to access the address data setting mode. The address data will flash once this button is pressed.



(17) Press the " ▲ " or the " ▼ " buttons to adjust the address data. The refrigerant circuit address range is between 00 and 99. Each time the "MODE" button is pressed, it switches between 1 unit and 10 units positions.



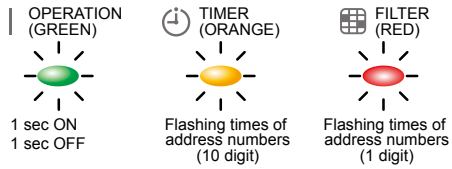
(18) Press the “START/STOP” button once to send the information. A beeping noise will be heard if the command is accepted.



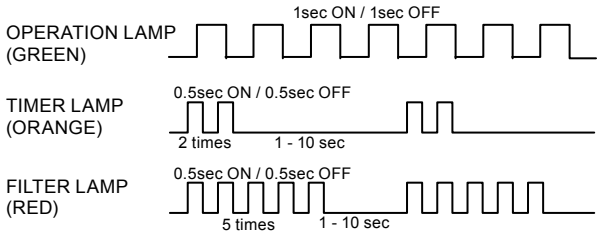
∗In the following cases the setting signal is not read and a buzzer sounds.

The setting of the rotary switch on the PCB is not "00" : Pi Pi Pi Pi Pi

(19) Indoor unit will display the refrigerant circuit address data number on "TIMER ◴ "(ORANGE) and "FILTER ▦ "(RED) light.



(Example) ADDRESS : 25

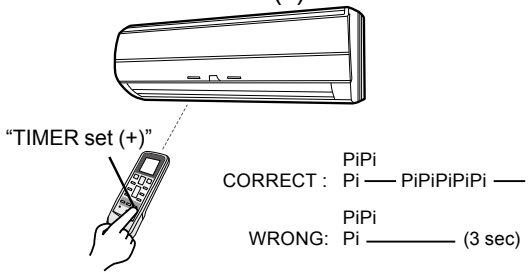


∗ ADDRESS 0 setting will not indicate TIMER LAMP and FILTER LAMP.

∗ ADDRESS display will automatically switched from indoor unit address to refrigerant circuit address.

● Confirmation of address setting

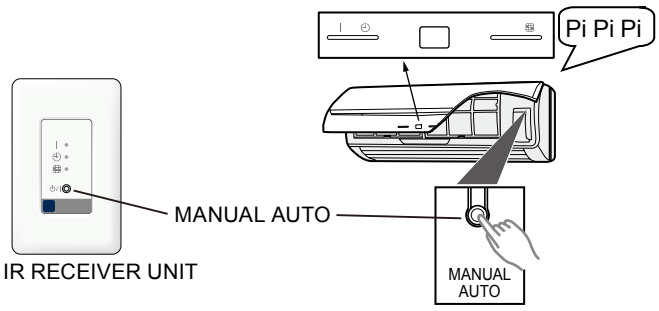
(20) Press the “TIMER set (+)” button.



SYSTEM DESIGN

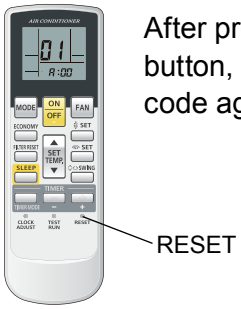
■ COMPLETION OF ADDRESS SETTING MODE

(21) Press and hold the “MANUAL/AUTO ı/o” button for 3 seconds.



∗ Each LED light brightness is darkening though the content of the display doesn't change.

(22) Press the “RESET” button.

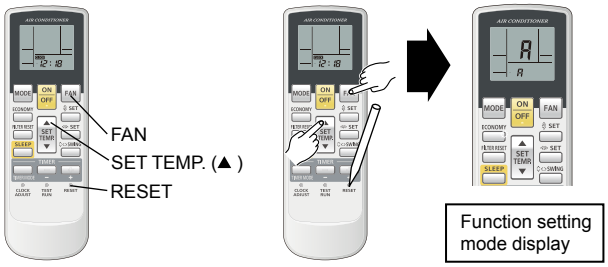


After pressing the RESET button, please set the custom code again if b,c,d setting.

∗ The address setting signal is not received after switched address setting completion mode. (Pi Pi Pi Pi Pi)
∗ Press the "MANUAL/AUTO ı/o " button again for 3 sec to return to if required to return the address setting mode.

■ RECONFIRMATION OF ADDRESS SETTING

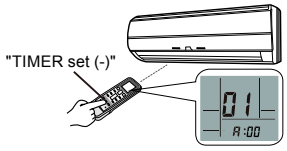
(23) Press and hold the “FAN” and the “ SET TEMP. ▲ ” buttons. Whilst holding these 2 buttons, press the "RESET" button.



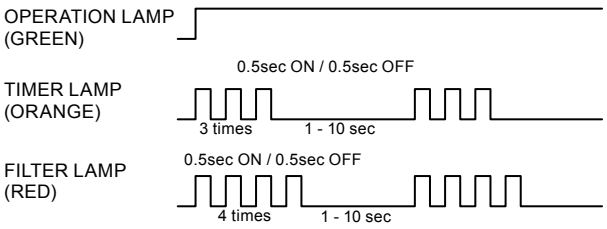
SYSTEM DESIGN

● INDOOR UNIT ADDRESS SETTING

(24) Make sure the function number is "01"
Refer to (8)
Press the “TIMER set (-)” button.

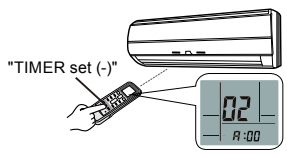


(Example) ADDRESS : 34

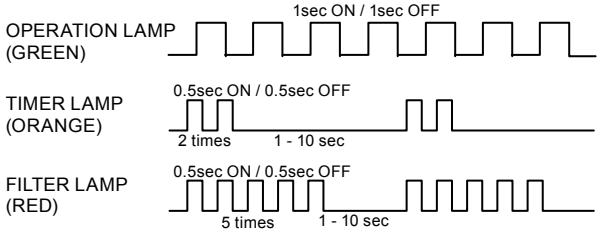


● REFRIGERANT CIRCUIT ADDRESS SETTING

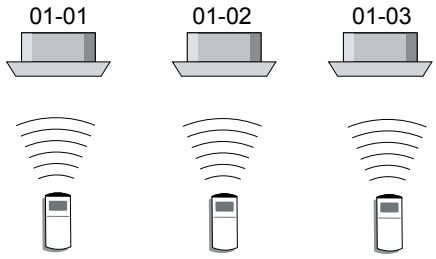
(25) Make sure the function number is "02"
Refer to (15)
Press the “TIMER set (-)” button.



(Example) ADDRESS : 25



■ SETTING UP EACH INDOOR UNIT



Repeat steps (1) through to (25). Steps (1) through to (6) and (21) to (25) only need to carried out if the custom code is different to the factory setting of “A”.

■ RESET THE POWER AFTER SETTING UP ADDRESS OF ALL INDOOR UNITS

Important

- **If the reset is not performed, address can not be read in normally.**
- **After all the addresses have been set, the circuit breaker needs to be switched off for at least 2 minutes.**
  After the 2 minutes has passed, power can be restored.
- **The set address is stored in the PCB and will remain in memory even when the power is turned off.**
  However setting address is effective after power reset.
  Record the address set in the indoor unit on a label, etc., and affix the label to the unit so it can be used for after-sales service operations.

* Address 0 setting will not indicate TIMER LAMP and FILTER LAMP.

* Once the "RESET" button is pressed on the remote controller, the OPERATION MODE will be set in the "AUTO MODE".
Please adjust the OPERATION MODE to either "COOLING" or "HEATING" before trying to operate the air conditioner.

* Note : If CUSTOM CODE is set to anything other than "A" ,the remote control must be set accordingly to the INDOOR UNIT setting.

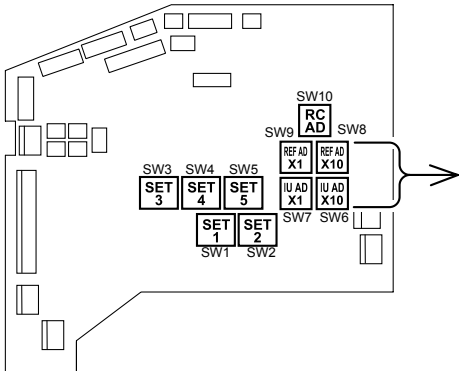
SYSTEM DESIGN

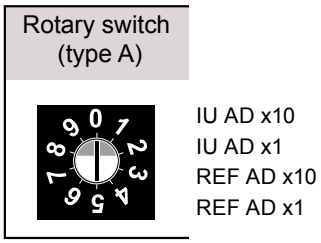
6-5-5. WIRED REMOTE CONTROLLER ADDRESS SETTING

- Indoor unit addresses and refrigerant circuit addresses can be set up using wired remote controllers.
- This function allows setting the addresses of all indoor units to which a wired remote controller is being connected.
- This function cannot be used to set up remote controller addresses.
  Be sure to set them up using the rotary switches on the PCB of each indoor unit. (Refer to 6-5-3.)

■ PREPARATION

1) Make sure that all indoor unit address switches (IU AD x10, IU AD x1) and refrigerant circuit address switches (REF AD x10, REF AD x1) on the PCB of each indoor unit are set at 0 (factory setting).

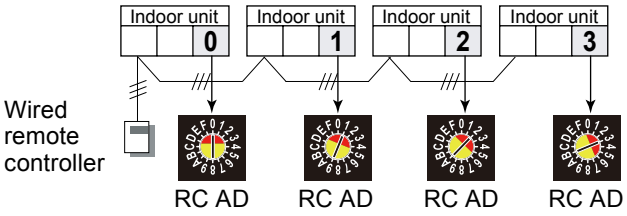




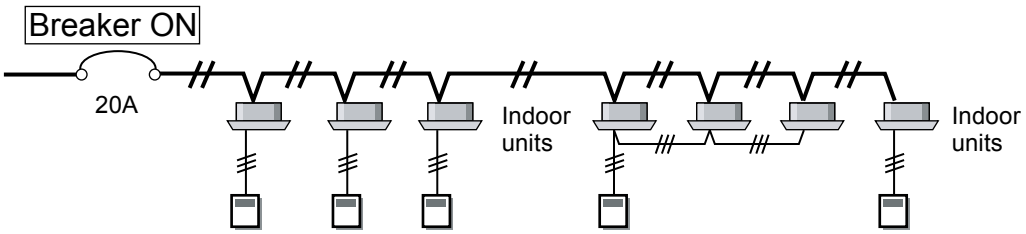
Check the position "0"
(Factory setting)

- If any of the switches is positioned at a value other than 0, this function will not activate.
- The layout of the switches differs depending on the type of the indoor unit. (Refer to 6-6-2.)

2) If multiple indoor units are connected to a single wired remote controller, make sure to manually set up the remote controller address (RC AD) on the PCBs of the indoor units. (Refer to 6-5-3.)
   Ex.) When four indoor units are connected



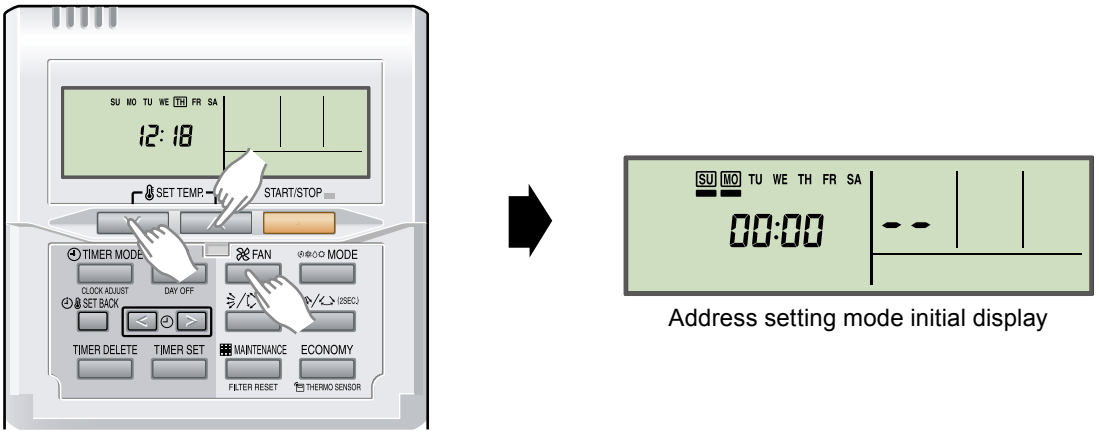
3) Turn on the power to the indoor unit.
   - By turning on the power indoor units initializes EEV, so make sure the piping air-tight test and vacuuming have been conducted before turning on the power.
   - Also check again to make sure no wiring mistakes were made before turning on the power.



SYSTEM DESIGN

■ SWITCHING SELECTION OF ADDRESS SETTING MODE

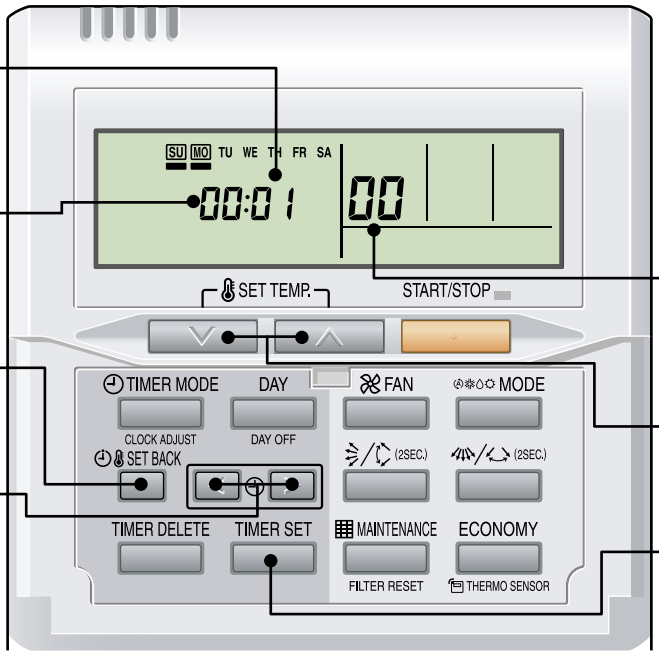
4) To activate the address setting mode, hold down the three buttons of SET TEMP. V, SET TEMP. Λ and FAN at the same time for 5 seconds or longer.



Address setting mode initial display

■ BUTTON NAME AND FUNCTION

- Refer to “6-5-2” for an outline of the address setting.
- It does not matter whether the refrigerant circuit address or indoor unit address is set first. (The method shown here sets the indoor unit address first.)
- During address setting mode, indoor unit reject the any operation command from remote controller.



Function number

01---Indoor unit address

02---Refrigerant circuit address

Remote controller address

Remote controller address setting number 00-15

SET BACK button

Switches the remote controller address setting number.

SET TIME “<” and “>” button

Switches the function number.

Setting number

Setting number

- Indoor unit address valid range 00-63
- Refrigerant circuit address valid range 00-99

SET TEMP. “V” and “Λ” button

Switches the setting number.

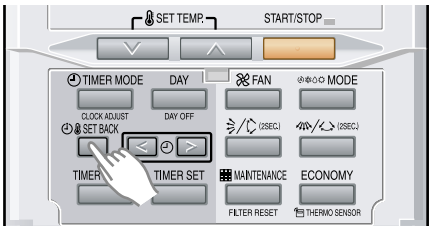
TIMER SET button

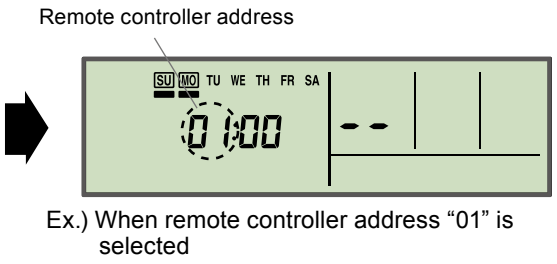
Transmits address setting

■ ADDRESS SETTING

● Indoor unit address setting

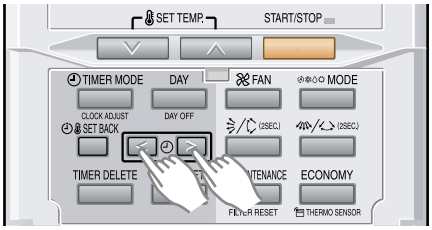
5) Pressing the SET BACK button, select a remote controller address (select the indoor unit you want to operate).

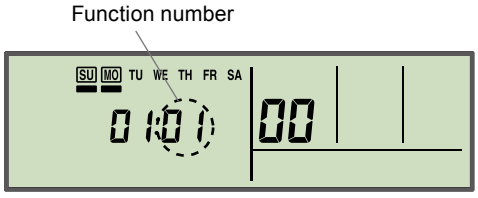




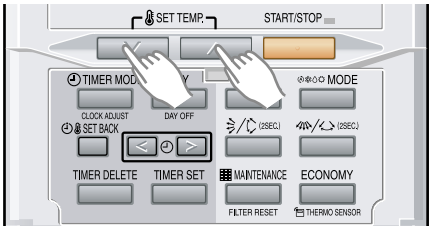
Ex.) When remote controller address “01” is selected

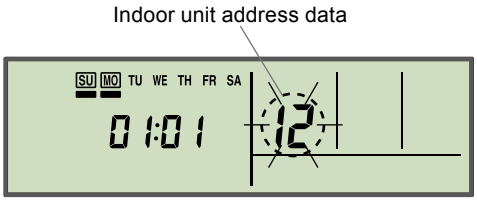
6) Pressing the SET TIME < button or the SET TIME > button, display function number 01.





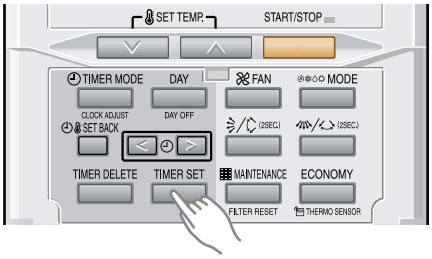
7) Pressing the SET TEMP. V button or the SET TEMP. Λ button, set up the indoor unit address. (The setting range is from 00 to 63.)

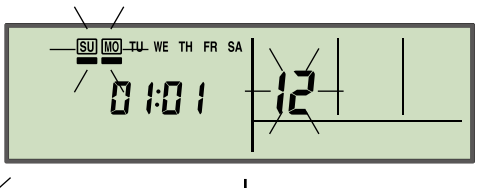




Ex.) When indoor unit address data “12” is set up

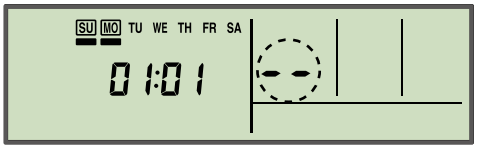
8) Pressing the TIMER SET button, confirm the selected indoor unit address data. (The data will be transferred to the indoor unit.)

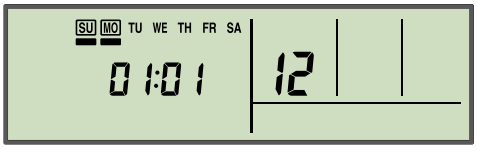




NO GOOD

GOOD





- When indoor unit address data was not set up on the indoor unit (-- is displayed.)
- Set up indoor unit address data again according to the procedure in step 7) above.

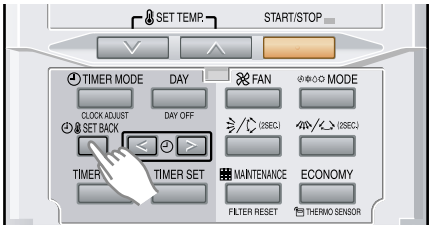
When indoor unit address data was normally set up on the indoor unit
(Flashing display changes to illuminated display.)

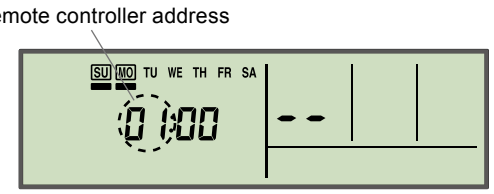
SYSTEM DESIGN

SYSTEM DESIGN

● Refrigerant circuit address setting

9) Pressing the SET BACK button, select a remote controller address (select the indoor unit you want to operate).

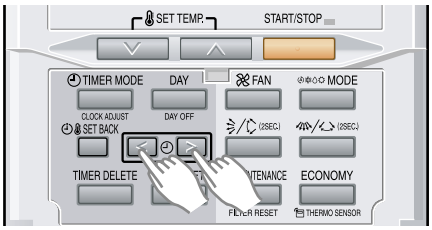




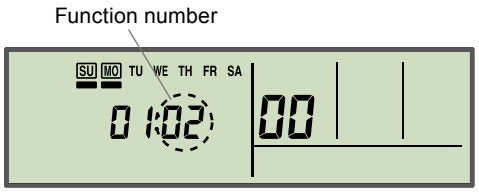
Ex.) When remote controller address “01” is selected

*If the indoor unit you want to operate has already been selected, skip step 9).

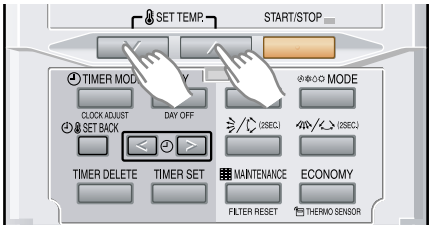
10) Pressing the SET TIME < button or the SET TIME > button, display function number 02.

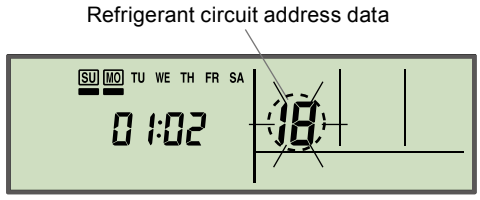


< : Down button
> : Up button



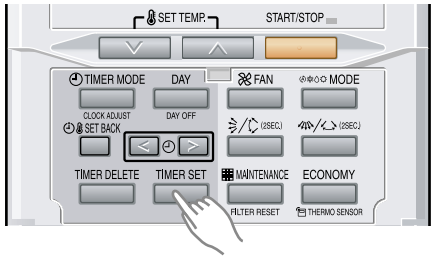
11) Pressing the SET TEMP. V button or the SET TEMP. Λ button, set up the refrigerant circuit address data. (The setting range is from 00 to 99.)

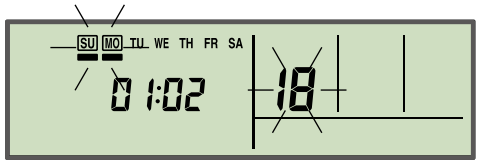




Ex.) When refrigerant circuit address data “18” is set up

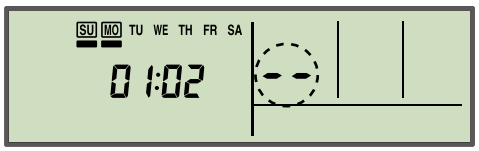
12) Pressing the TIMER SET button, confirm the selected refrigerant circuit address data. (The data will be transferred to the indoor unit.)

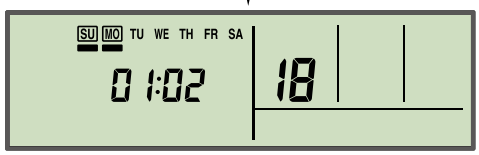




NO GOOD

GOOD





- When refrigerant circuit address data was not set up on the indoor unit (-- is displayed.)
- Set up refrigerant circuit address data again according to the procedure in step 11) above.

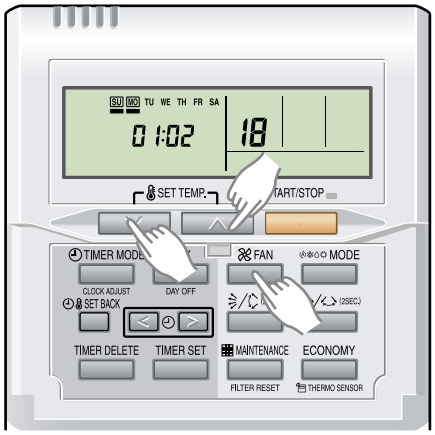
When refrigerant circuit address data was normally set up on the indoor unit (Flashing display changes to illuminated display.)

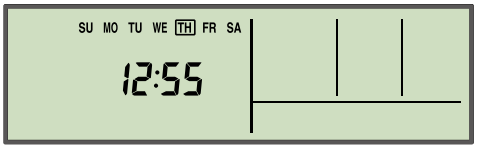
SYSTEM DESIGN

SYSTEM DESIGN

■ COMPLETION OF ADDRESS SETTING MODE

13) To clear the address setting mode and return to the regular display, hold down the three buttons of SET TEMP. V, SET TEMP. Λ and FAN at the same time.

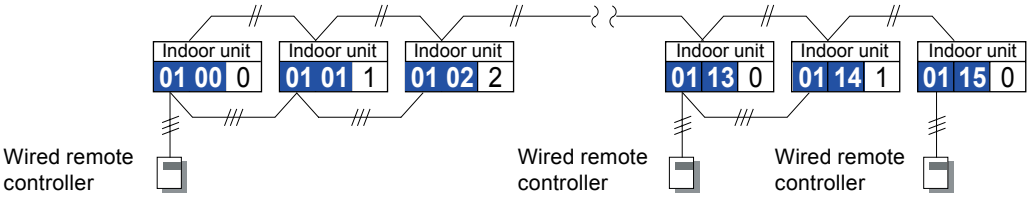




Normal mode display

* If no key entry is made for 60 seconds, even though none of the above buttons is pressed, the address setting mode will automatically be cleared.
(If the address setting mode is automatically cleared while setting addresses, activate the mode again according to the procedure in step 4) above.)

■ SETTING UP EACH INDOOR UNIT



Repeat the procedures in steps 1) through 13), and set up the indoor units requiring address setting.

■ RESET THE POWER AFTER SETTING UP ADDRESS OF ALL INDOOR UNITS

Important

*** If the reset is not performed, address can not be read in normally.**
*** After all the addresses have been set, the circuit breaker needs to be switched off for at least 2 minutes.**
After the 2 minutes has passed, power can be restored.
*** The set address is stored in the PCB and will remain in memory even when the power is turned off.**
However setting address is effective after power reset.
Record the address set in the indoor unit on a label, etc., and affix the label to the unit so it can be used for after-sales service operations.

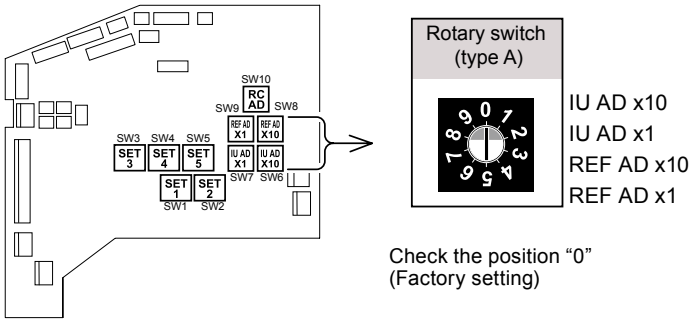
SYSTEM DESIGN

6-5-6. SIMPLE REMOTE CONTROLLER ADDRESS SETTING

- Indoor unit addresses and refrigerant circuit addresses can be set up using simple remote controllers.
- This function allows setting the addresses of all indoor units to which a simple remote controller is being connected.
- This function cannot be used to set up remote controller addresses.
  Be sure to set them up using the rotary switches on the PCB of each indoor unit. (Refer to 6-5-3.)
- This function can be set up on both UTY-RSK*(With operation mode) and UTY-RHK*(Without operation mode) types.

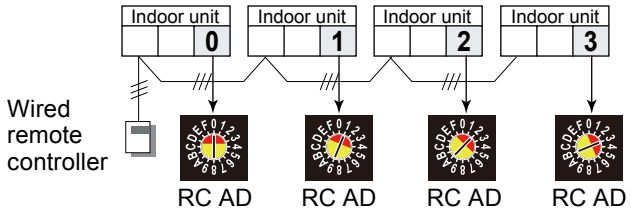
■ PREPARATION

1) Make sure that all indoor unit address switches (IU AD x10, IU AD x1) and refrigerant circuit address switches (REF AD x10, REF AD x1) on the PCB of each indoor unit are set at 0 (factory setting).

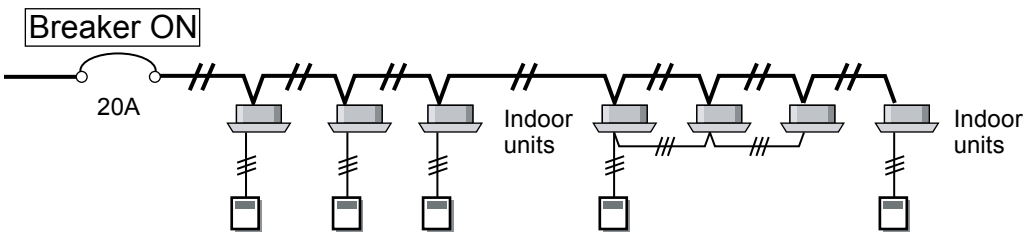


- If any of the switches is positioned at a value other than 0, this function will not activate.
- The layout of the switches differs depending on the type of the indoor unit. (Refer to 6-6-2.)

2) If multiple indoor units are connected to a single simple remote controller, make sure to manually set up the remote controller address (RC AD) on the PCBs of the indoor units. (Refer to 6-5-3.)
   Ex.) When four indoor units are connected



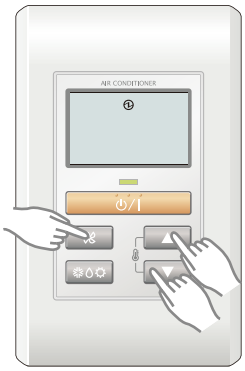
3) Turn on the power to the indoor unit.
   - By turning on the power indoor units initializes EEV, so make sure the piping air-tight test and vacuuming have been conducted before turning on the power.
   - Also check again to make sure no wiring mistakes were made before turning on the power.

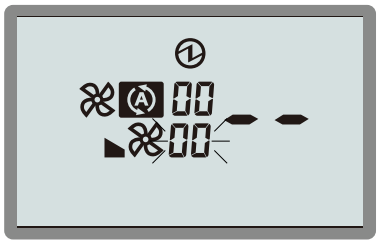


SYSTEM DESIGN

■ SWITCHING SELECTION OF ADDRESS SETTING MODE

4) To activate the address setting mode, hold down the three buttons of SET TEMP. ▼, SET TEMP. ▲ and FAN at the same time for 5 seconds or longer.





Address setting mode initial display

■ BUTTON NAME AND FUNCTION

- Refer to “6-5-2” for an outline of the address setting.
- It does not matter whether the refrigerant circuit address or indoor unit address is set first. (The method shown here sets the indoor unit address first.)
- During address setting mode, indoor unit reject the any operation command from remote controller.

Function number

01---Indoor unit address

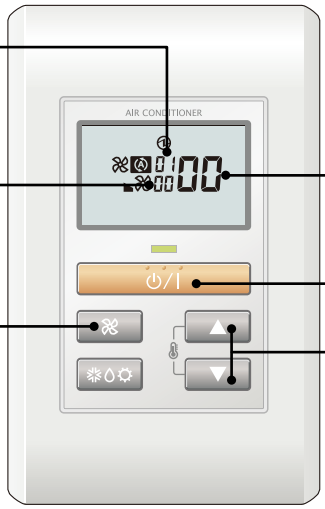
02---Refrigerant circuit address

Remote controller address

Remote controller address setting number 00-15

FAN button

Each time this button is pressed, the fan setting changes among “Remote controller address,” “Function number” and “Setting number.”



Setting number

Setting number

- Indoor unit address valid range 00-63
- Refrigerant circuit address valid range 00-99

START/STOP button

Transmits address setting

SET TEMP. “▲” and “▼” button

Switches the various numbers.

UTY-RSK* (With operation mode)

Function number

01---Indoor unit address

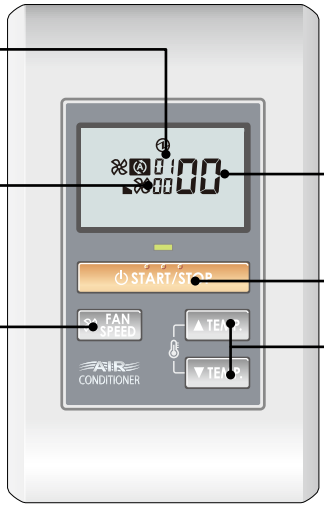
02---Refrigerant circuit address

Remote controller address

Remote controller address setting number 00-15

FAN button

Each time this button is pressed, the fan setting changes among “Remote controller address,” “Function number” and “Setting number.”



Setting number

Setting number

- Indoor unit address valid range 00-63
- Refrigerant circuit address valid range 00-99

START/STOP button

Transmits address setting

SET TEMP. “▲” and “▼” button

Switches the various numbers.

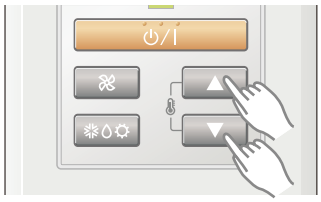
UTY-RHK* (Without operation mode)

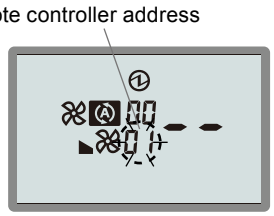
SYSTEM DESIGN

■ ADDRESS SETTING

● Indoor unit address setting

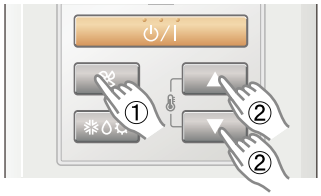
5) Pressing the SET TEMP. ▲ button or SET TEMP. ▼ button, select a remote controller address (select the indoor unit you want to operate).

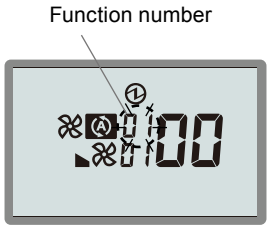




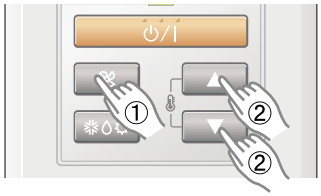
Ex.) When remote controller address “01” is selected

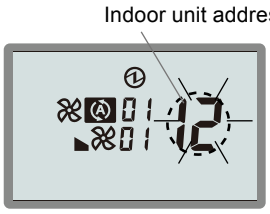
6) Press the FAN button so that the “Function number” display flashes. Then, press either the SET TEMP. ▲ button or the SET TEMP. ▼ button to display function number “01.”





7) Press the FAN button so that the “Setting number” display flashes. Then, press either the SET TEMP. p button or the SET TEMP. q button to set up the indoor unit address data. (The setting range is from 00 to 63.)



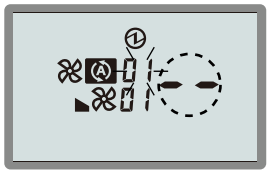


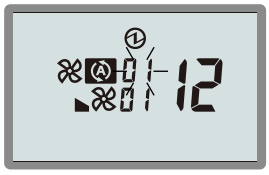
Ex.) When indoor unit address data “12” is set up

8) Pressing the START/STOP button, confirm the selected indoor unit address data. (The data will be transferred to the indoor unit.)

NO GOOD

GOOD





- When indoor unit address data was not set up on the indoor unit (-- is displayed.)
- Set up indoor unit address data again according to the procedure in step 7) above.

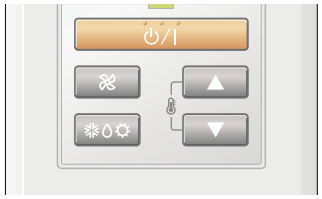
When indoor unit address data was normally set up on the indoor unit.

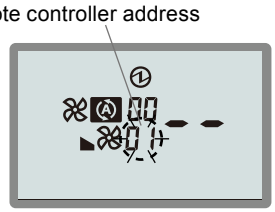
SYSTEM DESIGN

SYSTEM DESIGN

● Refrigerant circuit address setting

9) Pressing the SET TEMP. ▲ button or SET TEMP. ▼ button, select a remote controller address (select the indoor unit you want to operate).

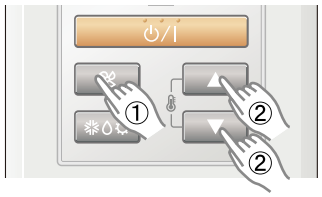


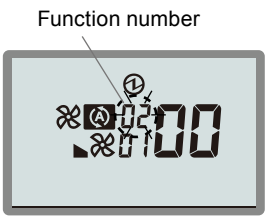


Ex.) When remote controller address “01” is selected

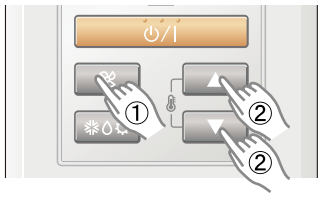
*If the indoor unit you want to operate has already been selected, skip step 9).

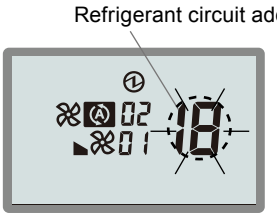
10) Press the FAN button so that the “Function number” display flashes. Then, press either the SET TEMP. ▲ button or the SET TEMP. ▼ button to display function number “02.”





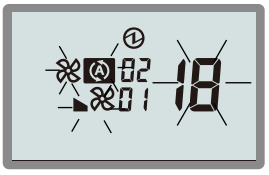
11) Press the FAN button so that the “Setting number” display flashes. Then, press either the SET TEMP. ▲ button or the SET TEMP. ▼ button to set up the refrigerant circuit address data. (The setting range is from 00 to 99.)





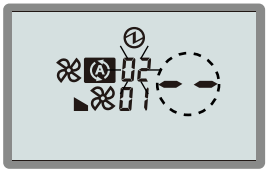
Ex.) When refrigerant circuit address data “18” is set up

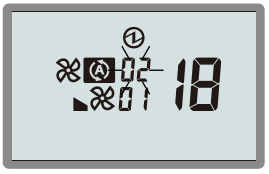
12) Pressing the START/STOP button, confirm the selected refrigerant circuit address data. (The data will be transferred to the indoor unit.)



GOOD

NO GOOD





- When refrigerant circuit address data was not set up on the indoor unit (-- is displayed.)
- Set up refrigerant circuit address data again according to the procedure in step 11) above.

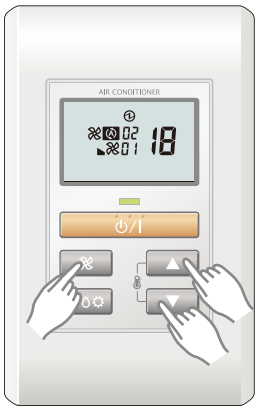
When refrigerant circuit address data was normally set up on the indoor unit.

SYSTEM DESIGN

SYSTEM DESIGN

■ COMPLETION OF ADDRESS SETTING MODE

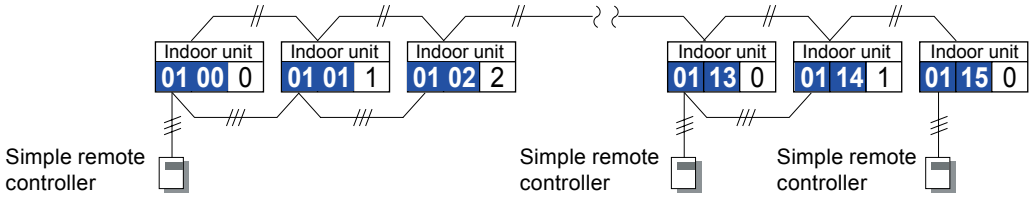
13) Press the three buttons of SET TEMP. ▲, SET TEMP. ▼ and FAN at the same time for 5 seconds or longer. The address setting mode will be cleared and the regular display will be restored.



Normal mode display

* If no key entry is made for 60 seconds, even though none of the above buttons is pressed, the address setting mode will automatically be cleared.
(If the address setting mode is automatically cleared while setting addresses, activate the mode again according to the procedure in step 4) above.)

■ SETTING UP EACH INDOOR UNIT



Repeat the procedures in steps 1) through 13), and set up the indoor units requiring address setting.

■ RESET THE POWER AFTER SETTING UP ADDRESS OF ALL INDOOR UNITS

Important

*** If the reset is not performed, address can not be read in normally.**
*** After all the addresses have been set, the circuit breaker needs to be switched off for at least 2 minutes.**
After the 2 minutes has passed, power can be restored.
*** The set address is stored in the PCB and will remain in memory even when the power is turned off.**
However setting address is effective after power reset.
Record the address set in the indoor unit on a label, etc., and affix the label to the unit so it can be used for after-sales service operations.

SYSTEM DESIGN

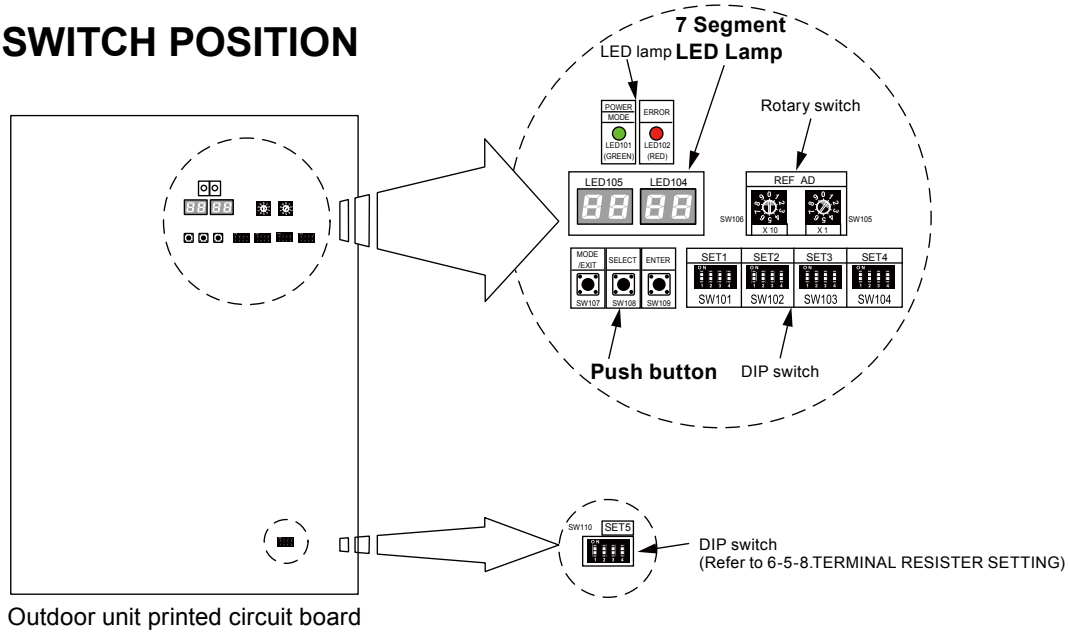
6-5-7. AUTOMATIC ADDRESS SETTING

The addresses of signal amplifiers and indoor units can be set automatically.

⚠ Caution

When setting both addresses of signal amplifiers and indoor units automatically, be sure to always set the addresses of signal amplifiers first.

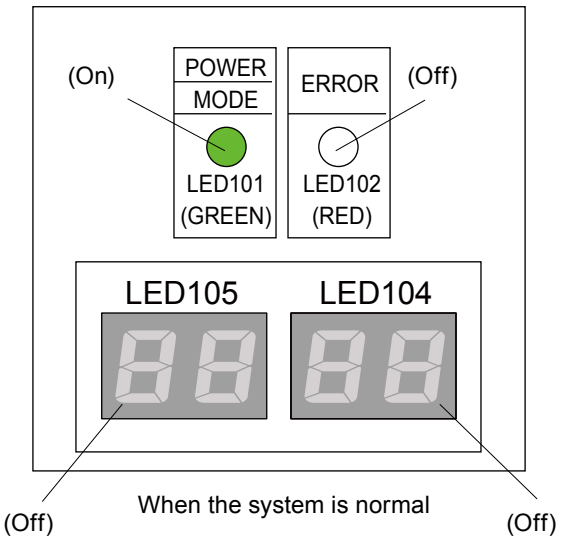
■ SWITCH POSITION



- Set the functions of an outdoor unit with the push buttons (SW107, SW108 and SW109) while observing the 7-segment LED lamps (LED105 and LED104) on the printed circuit board.

■ PREPARATION

1) Be sure to check that the operation of the outdoor unit has stopped (be sure to stop the operation if it is still running), and turn off the power.
2) Remove the front panel of the outdoor unit, and remove the lid of the electrical component box in order to expose the printed circuit board.
3) Turn on the power of the outdoor unit.



- As shown in the above figure, make sure that the POWER/MODE indicator lamp (LED101) is on and the ERROR indicator lamp (LED102) is off.
- If the ERROR indicator lamp (LED102) flashes, it indicates that an error has occurred. Check wiring and power supply. After making sure that the ERROR indicator lamp (LED102) has turned off, proceed to the next step.

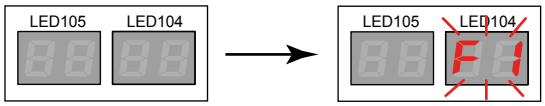
SYSTEM DESIGN

■ SIGNAL AMPLIFIER AUTOMATIC ADDRESS SETTING

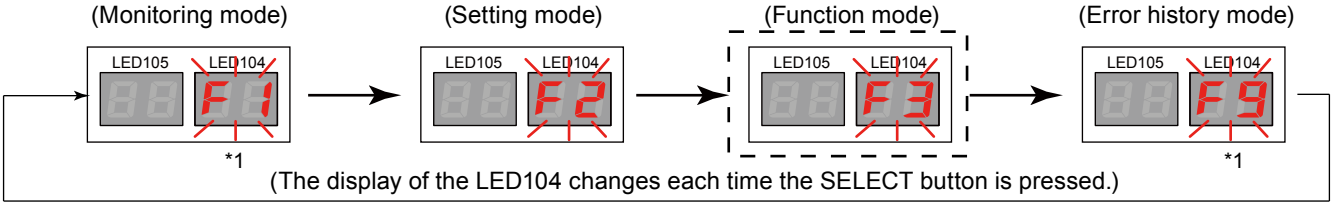
⚠ Caution

- The Signal Amplifier Automatic Address Setting function can be used for a maximum of eight signal amplifiers installed within the same network.
- Perform the automatic address setting of signal amplifiers on only one outdoor unit (master unit) within the same network. (Do not set them again from other outdoor unit.)
- When setting the address of a signal amplifier automatically, be sure to always set the address on the printed circuit board of the Signal amplifier to "1"(factory setting).

1) After verifying that the system is normally, press the MODE/EXIT button (SW107) once.

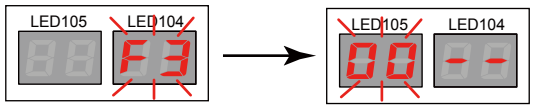


2) Press the SELECT button (SW108) to display "F3" on the LED104.



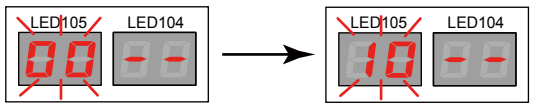
*1 : The "F1" and "F9" modes are used for maintenance, so do not set them in regular

3) When "F3" appears on the LED104, press the ENTER button (SW109).

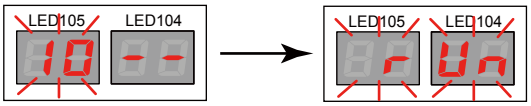


A flashing display appears on the LED105.

4) Press the SELECT button (SW108) to display "10" on the LED105.



5) When "10" appears on the LED105, hold down the ENTER button (SW109) for at least 3 seconds. (Unless it is held down for at least 3 seconds, the selection will not be confirmed.)

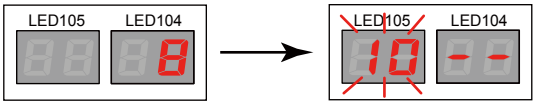


When the Automatic Address Setting function is activated, the display changes to "run."

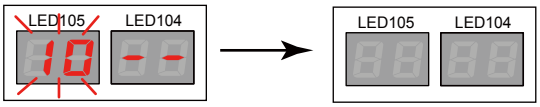
6) When automatic address setting is completed, the number of signal amplifier is displayed on the LED104. Verify that the count matches the number of signal amplifiers being installed.

Ex.) When eight signal amplifiers are being connected

7) To exit automatic address setting, press the ENTER button (SW109) in the setting completed status shown in step 6) above.



Next, press the MODE/EXIT button (SW107) to exit the Function mode.



SYSTEM DESIGN

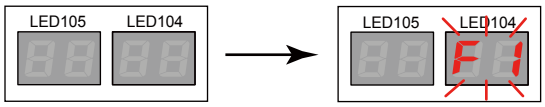
SYSTEM DESIGN

■ INDOOR UNIT AUTOMATIC ADDRESS SETTING

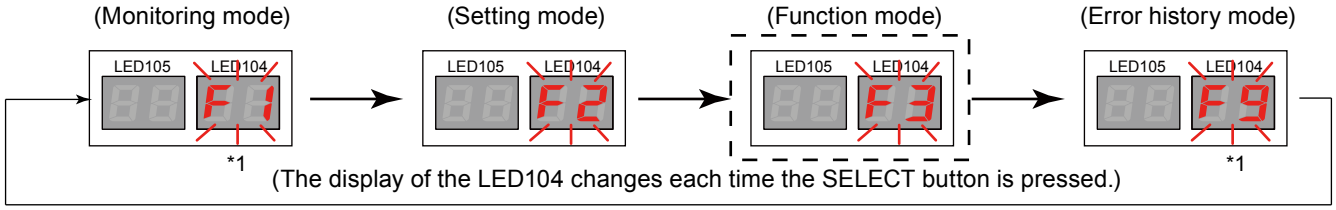
⚠ Caution

- The Indoor Unit Automatic Address Setting function can be used for a maximum of 64 indoor units installed within the same refrigerant system. However, a maximum of 48 indoor units can be installed within the same refrigerant system.
- The Indoor Unit Automatic Address Setting function cannot be used for indoor units being connected to other refrigerant systems via the network.
  (Refer to "■transmission wiring flow" in "6-4-3. transmission line.")
- When setting addresses automatically, be sure to position "IU AD x10" (SW6), "IU AD x1" (SW7), "REF AD x10" (SW8) and "REF AD x1" (SW9) at 0 (Factory setting).
- When an indoor unit address is set up, a refrigerant circuit address is also set up at the same time. (The refrigerant circuit address of an outdoor unit being connected within the same refrigerant system is set up.)

1) After verifying that the system is operating normally, press the MODE/EXIT button (SW107) once.

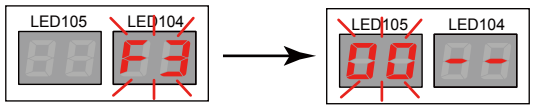


2) Press the SELECT button (SW108) to display "F3" on the LED104.



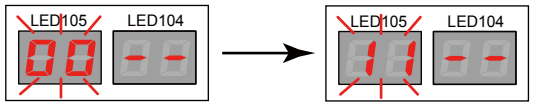
*1 : The "F1" and "F9" modes are used for maintenance, so do not set them in regular

3) When "F3" appears on the LED104, press the ENTER button (SW109).



A flashing display appears on the LED105.

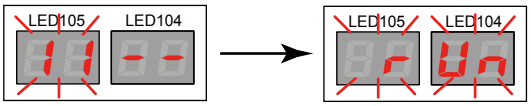
4) Press the SELECT button (SW108) to display "11" on the LED105.



SYSTEM DESIGN

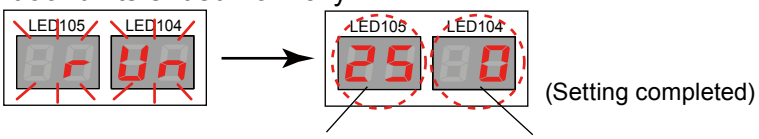
SYSTEM DESIGN

5) When “11” appears on the LED105, hold down the ENTER button (SW109) for at least 3 seconds.(Unless it is held down for at least 3 seconds, the selection will not be confirmed.)



When the Automatic Address Setting function is activated, the display changes to “run.”

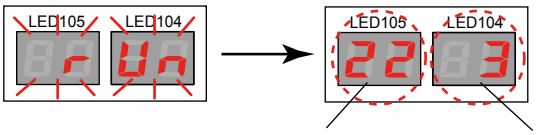
6) When automatic address setting is completed, the number of indoor units of which automatic address setting succeeded is displayed on the LED105, and the number of indoor units of which automatic address setting failed is displayed on the LED104.
Ex.) When 25 indoor units are connected, and the automatic setting of the addresses of all indoor units ended normally



LED105: The number of indoor units of which automatic address setting succeeded

LED104: The number of indoor units of which automatic address setting failed

Ex.) When 25 indoor units are connected, and the automatic setting of the addresses of three indoor units failed

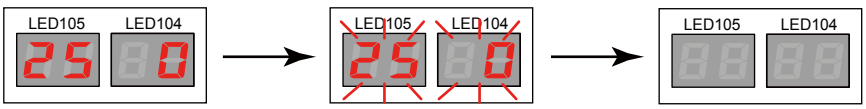


LED105: The number of indoor units of which automatic address setting succeeded

LED104: The number of indoor units of which automatic address setting failed

If automatic address setting failed, make sure that all of the rotary switches SW6 to SW9 on the PCBs of the failed indoor units are positioned at 0 and that wiring and power supply are correct, and then perform automatic address setting again.

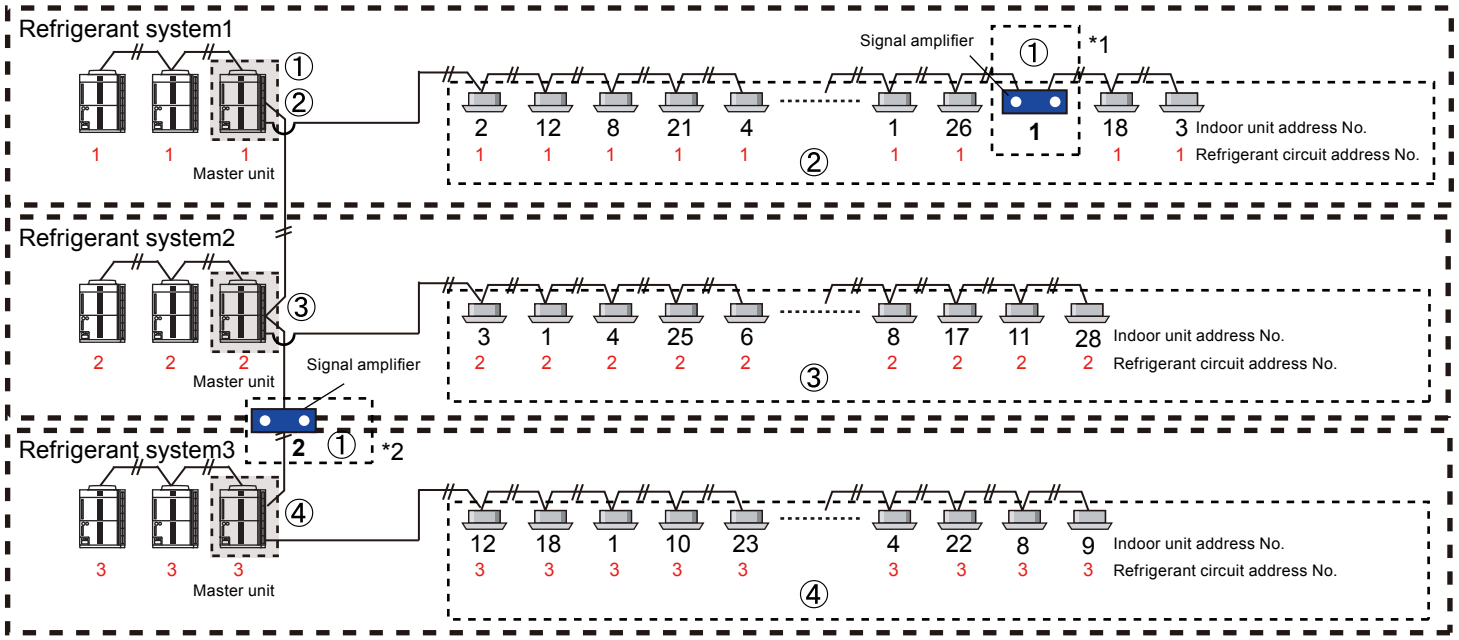
7) When the ENTER button (SW109) is pressed, it takes about 30 seconds for end processing. During that time, the LED display blinks.
Setting is complete when the LED display goes off.



SYSTEM DESIGN

■ EXAMPLES

● Example 1 : To automatically set both addresses of signal amplifiers and indoor units



Step 1: ① Activate the Signal Amplifier Automatic Address Setting function on the master unit of Refrigerant System 1.

→An address is automatically assigned to all signal amplifiers on the network. (Because an address is also assigned to the signal amplifiers being connected in Refrigerant Systems 2 and 3, it is not necessary to perform the automatic address setting of these signal amplifiers again on the master units of Refrigerant Systems 2 and 3.)

Step 2: ② Activate the Indoor Unit Automatic Address Setting function on the master unit of Refrigerant System 1.

→An indoor unit address and a refrigerant circuit address are automatically set up for all indoor units being connected in Refrigerant System 1.

Step 3: ③ Activate the Indoor Unit Automatic Address Setting function on the master unit of Refrigerant System 2.

→An indoor unit address and a refrigerant circuit address are automatically set up for all indoor units being connected in Refrigerant System 2.

Step 4: ④ Activate the Indoor Unit Automatic Address Setting function on the master unit of Refrigerant System 3.

→An indoor unit address and a refrigerant circuit address are automatically set up for all indoor units being connected in Refrigerant System 3.

⚠ Caution

- Before activating the Automatic Address Setting function, make sure to finish setting the refrigerant circuit addresses of outdoor units.
- Setting the addresses of indoor units automatically does not necessary mean that addresses are assigned sequentially starting from the indoor unit which is located the closest to the outdoor units (instead, addresses are assigned randomly).
  With respect to the setting of refrigerant circuit addresses, the same address numbers of the refrigerant circuit addresses of the outdoor units being connected within the same refrigerant system are assigned.
- To find out what addresses have been assigned to individual indoor units, it is necessary to perform a separate address check operation.

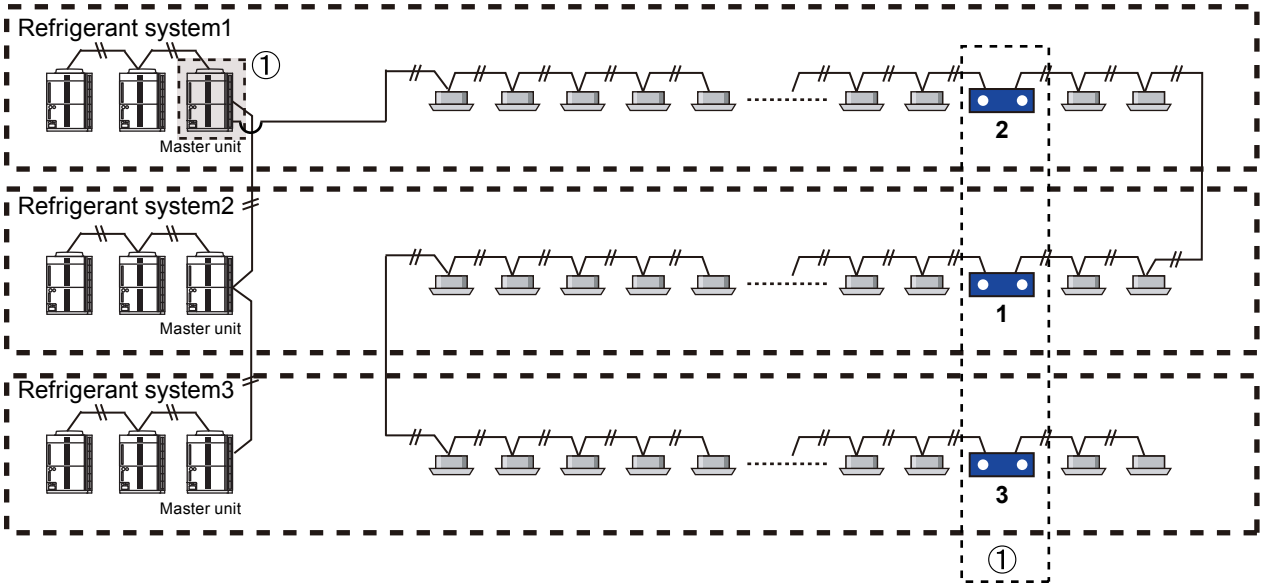
＊1: If the total wiring length within a segment is expected to exceed 500 m, insert a signal amplifier (Refer to 5-3-2).

＊2: If the number of nodes (the number of units of indoor units, outdoor units, controllers and others) is expected to exceed 64 (including signal amplifiers), insert a signal amplifier (Refer to 5-3-2).

SYSTEM DESIGN

SYSTEM DESIGN

● Example 2 : To automatically set the addresses of signal amplifiers only (When the addresses of indoor units will be set manually)



Step 1: ① Activate the Signal Amplifier Automatic Address Setting function on the master unit of Refrigerant System 1.

→An address is automatically assigned to all signal amplifiers on the network.

⚠ Caution

- When indoor units are being connected via different refrigerant systems, never activate the Indoor Unit Automatic Address Setting function.
- As long as master units are on the same network, any master unit can set the addresses of signal amplifiers automatically.Perform the automatic address setting of signal amplifiers on only one outdoor unit (master unit) within the same network. (Do not set them again from other outdoor unit.)

SYSTEM DESIGN

6-5-8. TERMINAL RESISTOR SETTING

⚠ Caution

Be sure to set the terminal resistor according to specifications.

Set the terminal resistor for every network segment (NS).

- If terminal resistor is set in multiple devices, the overall communication system may be damaged.
- If terminal resistor is not set in a device, abnormal communication may occur.

- Be sure to set one terminal resistor in a network segment. You can set the terminal resistor at the outdoor unit or signal amplifier.
- When setting the terminal resistor of a signal amplifier, refer to the installation manual of the signal amplifier.
- When setting multiple terminal resistors, take note of the following items.

  ①How many network segments are there in a VRF system?

  ②Where will you set the terminal resistors in a network segment?

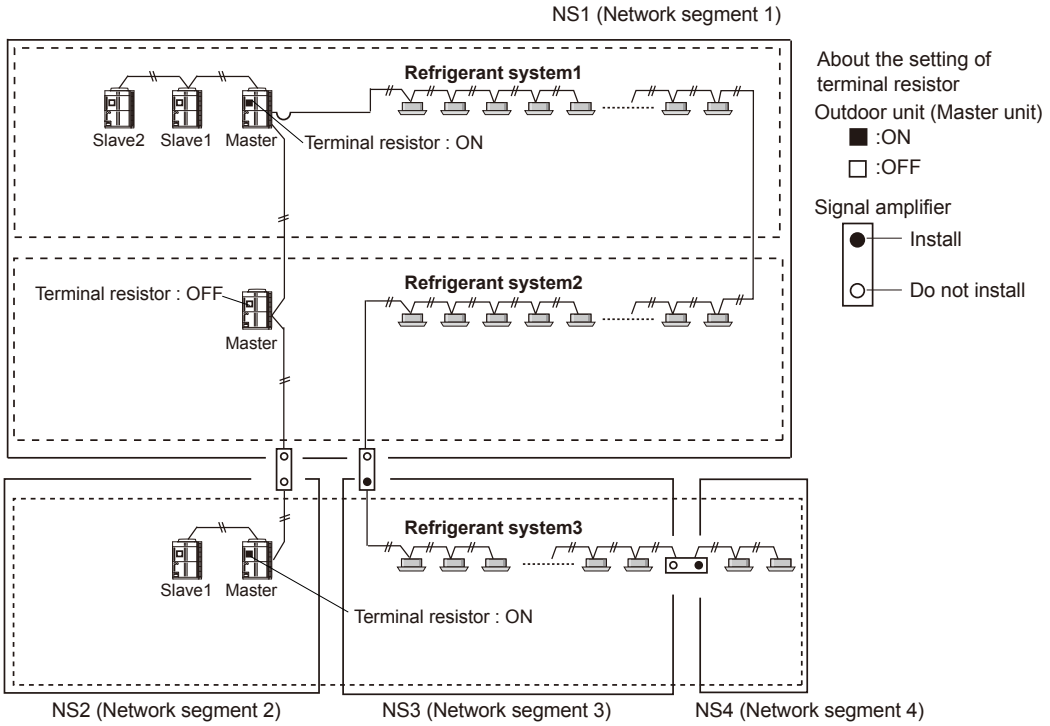
  (Condition for 1 segment: Total number of outdoor and indoor units and signal amplifiers is less than 64, or the total length of the transmission line is less than 500m)

  ③How many outdoor units are connected in 1 Refrigerant system?

- From conditions①-③, set outdoor unit DIP switch SET5-4 in accordance with the table below.

DIP SW SET5-4	Terminal resistor	Remarks
OFF	Disable	(Factory setting)
ON	Enable	-

■ SETTING EXAMPLE

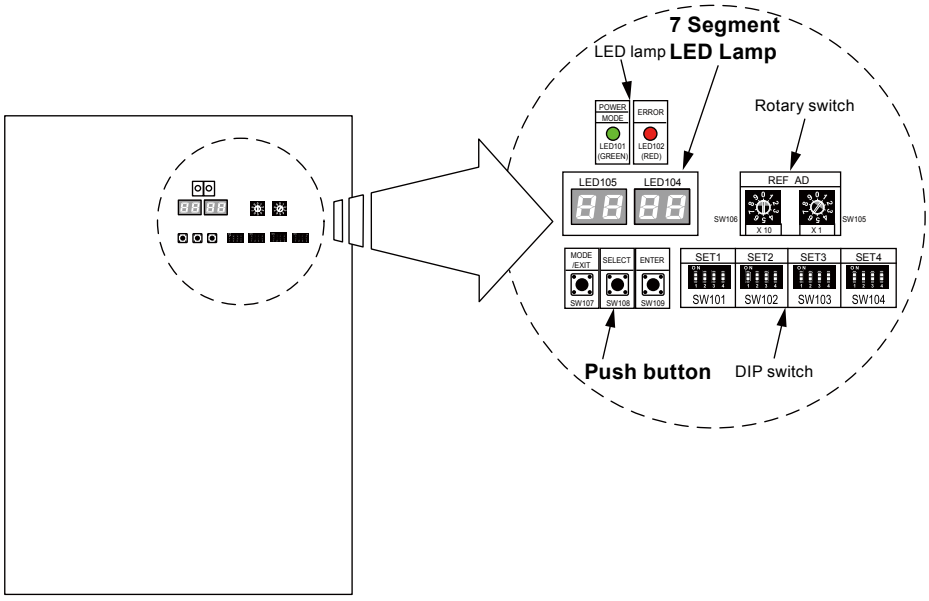


SYSTEM DESIGN

6-6. FUNCTION SETTING

6-6-1. OUTDOOR UNIT

■ SWITCH POSITION

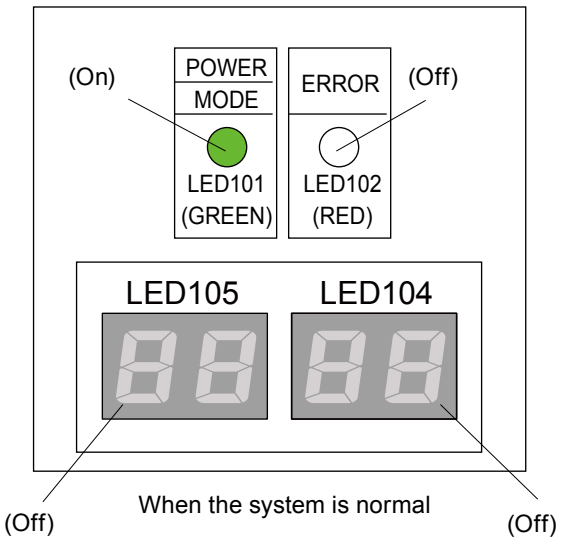


Outdoor unit printed circuit board

- Set the functions of an outdoor unit with the push buttons (SW107, SW108 and SW109) while observing the 7-segment LED lamps (LED105 and LED104) on the printed circuit board.

■ PREPARATION

1) Be sure to check that the operation of the outdoor unit has stopped (be sure to stop the operation if it is still running), and turn off the power.
2) Remove the front panel of the outdoor unit, and remove the lid of the electrical component box in order to expose the printed circuit board.
3) Turn on the power of the outdoor unit.

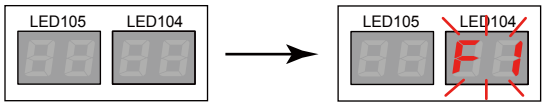


- As shown in the above figure, make sure that the POWER/MODE indicator lamp (LED101) is on and the ERROR indicator lamp (LED102) is off.
- If the ERROR indicator lamp (LED102) flashes, it indicates that an error has occurred. Check wiring and power supply. After making sure that the ERROR indicator lamp (LED102) has turned off, proceed to the next step.

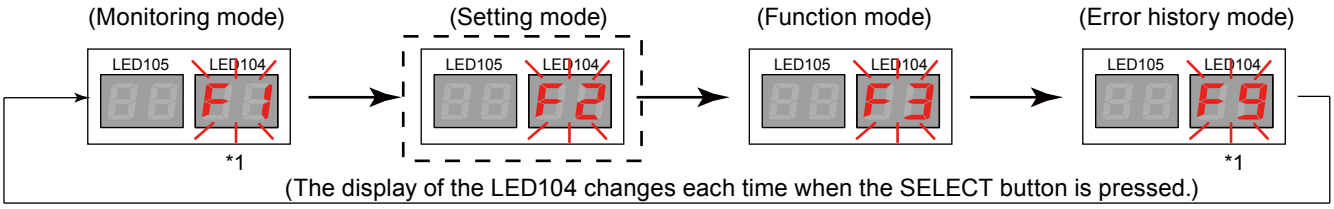
SYSTEM DESIGN

■ FUNCTION SETTING

1) After verifying that the system is normally, press the MODE/EXIT button (SW107) once.



2) Press the SELECT button (SW108), and display “F2” on the LED104.

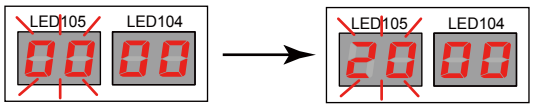


*1:The “F1”and “F9” modes are used for maintenance, so do not set them in regular operation.

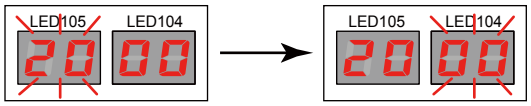
3) When “F2” appears on the LED104, press the ENTER button (SW109).

A flashing display appears on the LED105, and the flashing display of “F2” on the LED104 changes to the illuminated display of a number.

4) Referring to the Settings List shown below, press the SELECT button (SW108) and display the code number of the mode you want to set on the LED105.
Ex.) To select switching between Forced Stop and Emergency Stop



Next, press the ENTER button (SW109), and confirm the selection of the mode you want to set.

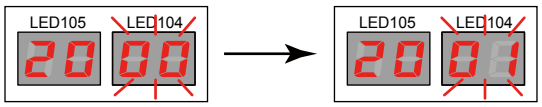


A flashing display on the LED105 changes to an illuminated display, and an illuminated display on the LED104 changes to a flashing display.

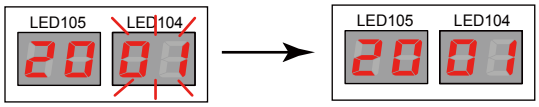
SYSTEM DESIGN

SYSTEM DESIGN

5) Again, referring to the Settings List shown below, press the SELECT button (SW108), and display the code number of the function you want to set on the LED104.
Ex.) To select the Emergency Stop function

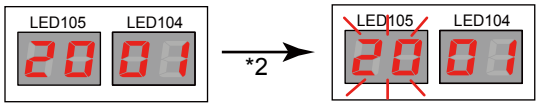


Next, press the ENTER button (SW109), and confirm the selection of the function you want to set.



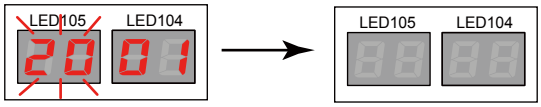
A flashing display on the LED104 changes to an illuminated display.
This completes FUNCTION SETTING.

6) To exit FUNCTION SETTING, press the ENTER button (SW109) in the setting completed status shown in step 5) above.

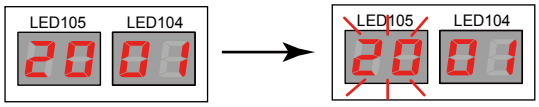


*2 : 5 seconds after, even if ENTER button(SW109) is not pressed , LED105 changes to a flashing display automatically.

Then, press the MODE/EXIT button (SW107) to exit FUNCTION SETTING MODE.



7) To set another function, press the ENTER button (SW109) in the setting completed status shown in step 5) above.



Repeat steps 4) and 5) above to set other functions.
When all settings are complete, perform the operation described in step 6) above to exit.

SYSTEM DESIGN

■ SETTINGS LIST

LED105 CODE No.		Setting Mode	LED104 CODE No.		Setting Function	Factory setting	Outdoor unit		Remarks
							Master	Slave	
0	0	Pipe length setting	0	0	Standard (40~65m)	●	○	- *1	Pipe length means the length between master outdoor unit and the farthest indoor unit.
			0	1	Short (less than 40m)				
			0	2	Medium (65~90m)				
			0	3	Long 1 (90~120m)				
			0	4	Long 2 (120~150m)				
1	0	Sequential start shift	0	0	Normal	●	○	- *1	The start-up timing of outdoor unit (compressor) can be set up so that it can delay several seconds. This feature is useful when multiple number of outdoor units are installed and turned on at the same time to limit the starting current.
			0	1	21sec. Delay				
			0	2	42sec. Delay				
			0	3	63sec. Delay				
1	1	Cooling capacity shift	0	0	Normal mode	●	○	- *1	
			0	1	Save energy mode 1				
			0	2	High power mode 1				
			0	3	High power mode 2				
			0	4	Forbidden				
1	2	Heating capacity shift	0	0	Normal mode	●	○	- *1	
			0	1	Save energy mode				
			0	2	High power mode 1				
			0	3	High power mode 2				
1	3	Forbidden	0	0	Forbidden	●			Setting forbidden
			0	1	Forbidden				
2	0	Switching between forced stop or emergency stop	0	0	Forced stop	●	○	- *1	This mode selects the pattern of the stop function to be operated by the external input terminal (CN134). •Forced stop: The air conditioner stays stopped even if input from the CN134 is stopped. •Emergency stop: The air conditioner returns to the original operation if input from the CN134 is stopped. Furthermore, the air conditioner does not accept the operation of the indoor unit when emergency stop is actuated.
			0	1	Emergency stop				

*1: Do not set this for outdoor units with Slave setting.

SYSTEM DESIGN

LED105 CODE No.		Setting Mode	LED104 CODE No.		Setting Function	Factory setting	Outdoor unit		Remarks
							Master	Slave	
2	1	Operation mode selecting method	0	0	Priority given to the first command	●	○	- *1	Select the priority setting of the operation mode. •Priority given to the first command: Priority is given to the operation mode which is set first. •Priority given to external input of outdoor unit: Priority is given to the operation mode which is set by the external input terminal (CN132). •Priority given to administrative indoor unit: Priority is given to the operation mode of the administrative indoor unit which is set by the wired remote controller.
			0	1	Priority given to external input of outdoor unit				
			0	2	Priority given to administrative indoor unit				
2	2	Snow falling protection fan mode	0	0	Normal mode	●	○	- *1	This mode operates the fans of outdoor units in order to prevent the units from stopping operation when they are covered by snow.
			0	1	Snow falling protection fan mode				
2	3	Interval setting for snow falling protection fan mode	0	0	Standard (30minutes)	●	○	- *1	When the snow falling protection fan mode is set, the operation interval of the fans of outdoor units can be selected.
			0	1	Short1 (5minutes)				
			0	2	Short2 (10minutes)				
			0	3	Short3 (20minutes)				
2	4	High static pressure mode	0	0	Standard	●	○	○	When installing a duct to the blow-off outlet of an outdoor unit, set the high static pressure mode according to the static pressure of the duct to be installed. Furthermore, use this setting if the air blow of an outdoor unit is poor, such as when installed in a place with a low ceiling.
			0	1	High static pressure 1 (equivalent to 30Pa)				
			0	2	High static pressure 2 (equivalent to 80Pa)				
			0	3	Forbidden				
2	5	Forbidden	0	0	Forbidden	●			Setting forbidden
			0	1	Forbidden				
2	6	Forbidden	0	0	Forbidden	●			Setting forbidden
			0	1	Forbidden				
2	7	Forbidden	0	0	Forbidden	●			Setting forbidden
			0	1	Forbidden				
2	8	Forbidden	0	0	Forbidden	●			Setting forbidden
			0	1	Forbidden				
2	9	Forbidden	0	0	Forbidden	●			Setting forbidden
			0	1	Forbidden				

*1: Do not set this for outdoor units with Slave setting.

SYSTEM DESIGN

LED105 CODE No.		Setting Mode	LED104 CODE No.		Setting Function	Factory setting	Outdoor unit		Remarks
							Master	Slave	
3	0	Energy saving level setting	0	0	Level 1 (stop)	●	○	- *1	The capacity limit can be selected by the external input terminal (CN133) when operating with the “Energy Saving Peak Cut function.” The lower the level, the more the effect of energy saving, but the cooling/heating performance will also drop.
			0	1	Level 2 (operated at 40% capacity)				
			0	2	Level 3 (operated at 60% capacity)				
			0	3	Level 4 (operated at 80% capacity)				
4	0	Capacity priority setting (in low noise mode)	0	0	Off (quiet priority)	●	○	- *1	If the cooling/heating performance becomes insufficient when the low noise mode is set, it is possible to set “capacity priority” that automatically cancels the low noise mode (once performance is restored, the mode will automatically return to the low noise mode).
			0	1	On (capacity priority)				
4	1	Low noise mode setting	0	0	Off (Normal)	●	○	- *1	
			0	1	On (Low noise mode)				
4	2	Low noise mode operation level setting	0	0	Level 1 (55dB)	●	○	- *1	The noise level when operating in the low noise mode can be set.
			0	1	Level 2 (50dB)				
7	0	Forbidden			Forbidden	●			Setting forbidden
9	0	Forbidden	0	0	Forbidden	●			Setting forbidden
			0	1	Forbidden				
			0	2	Forbidden				
			0	3	Forbidden				
			0	4	Forbidden				
			0	5	Forbidden				
			0	6	Forbidden				
			0	7	Forbidden				
			0	8	Forbidden				
			0	9	Forbidden				
			1	0	Forbidden				
			1	1	Forbidden				

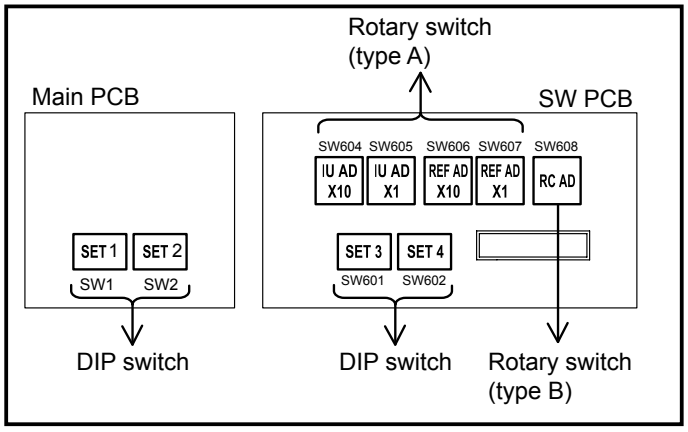
*1: Do not set this for outdoor units with Slave setting.

SYSTEM DESIGN

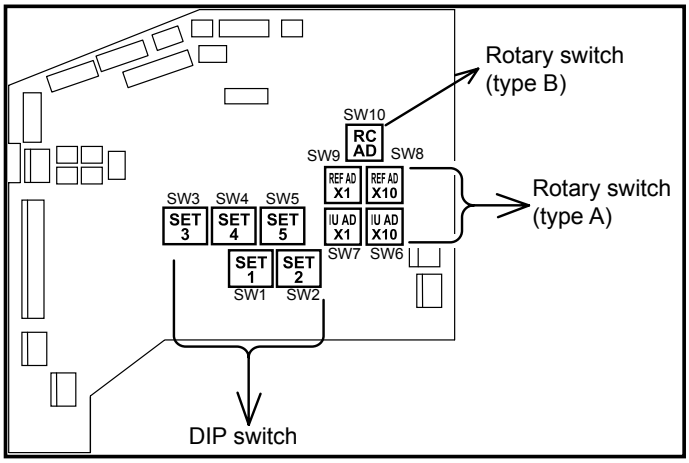
6-6-2. INDOOR UNIT (setting by switch)

■ SWITCH POSITION

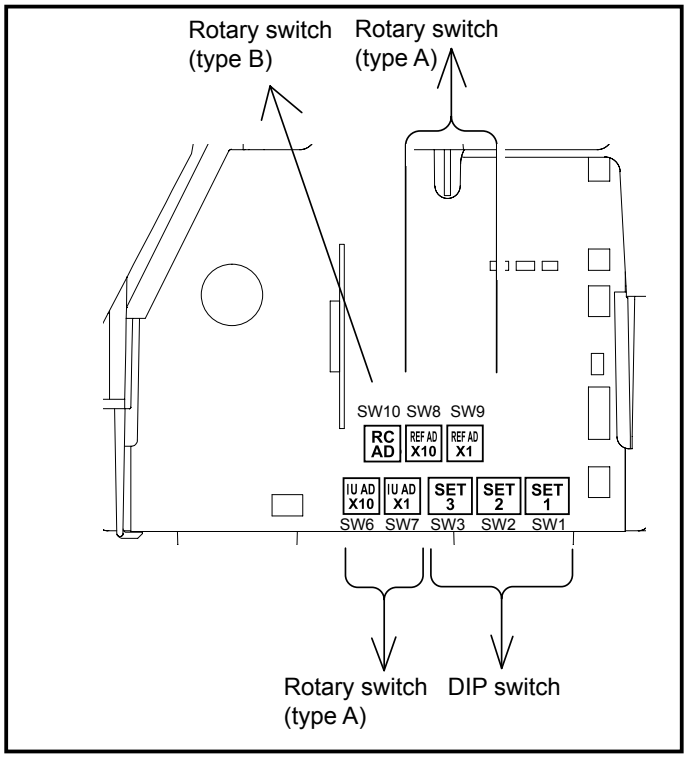
● Compact Cassette type and Cassette type



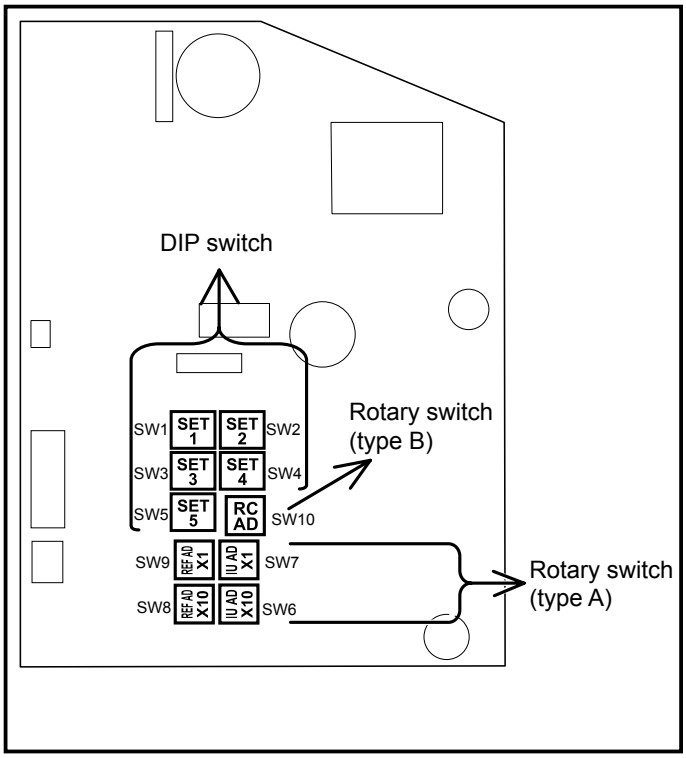
● Compact Duct type, Low Static Duct type, Duct type, High Static Duct type, Floor/Ceiling type, and Ceiling type

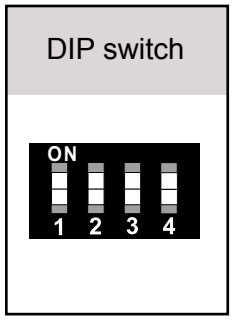


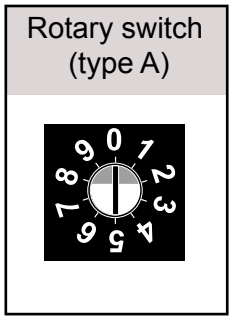
● Compact Wall Mounted type

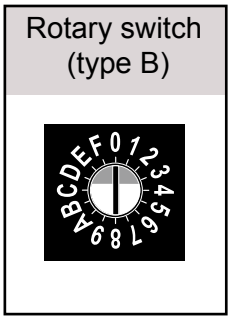


● Wall Mounted type









SYSTEM DESIGN

■ SWITCH TABLE

DIP-SW	SET1	SW1	1	Forbidden (Indoor unit capacity setting)
			2	Forbidden (Indoor unit capacity setting)
			3	Forbidden (Indoor unit capacity setting)
			4	Forbidden (Indoor unit capacity setting)
	SET2	SW2	1	Forbidden (Indoor unit capacity setting)
			2	External input select "edge/pulse"
			3	Forbidden
			4	Forbidden
	SET3	SW3 or SW601	1	Wireless remote controller custom code switch 1
			2	Wireless remote controller custom code switch 2
			3	Forbidden
			4	Forbidden
	SET4	SW4 or SW602	1	Forbidden
			2	Forbidden
			3	Forbidden
			4	Forbidden
	SET5	SW5	1	Forbidden
			2	Forbidden
			3	Forbidden
			4	Forbidden
Rotary SW	IU AD x 10	SW6 or SW604		Indoor unit address switch 1
	IU AD x 1	SW7 or SW605		Indoor unit address switch 2
	REF AD x10	SW8 or SW606		Refrigerant circuit address switch 1
	REF AD x1	SW9 or SW607		Refrigerant circuit address switch 2
	RC AD	SW10 or SW608		Remote controller address switch

SYSTEM DESIGN

■ DIP SWITCH SETTING

● SW1 (SET1) and SW2-1 setting (Never change at the site)

●Indoor unit capacity (Setting forbidden)

SW1-1	SW1-2	SW1-3	SW1-4	SW2-1	Indoor unit capacity
OFF	OFF	OFF	OFF	OFF	2.2kW
ON	OFF	OFF	OFF	OFF	2.8kW
OFF	ON	OFF	OFF	OFF	3.6kW
ON	ON	OFF	OFF	OFF	4.0kW
OFF	OFF	ON	OFF	OFF	4.5kW
ON	OFF	ON	OFF	OFF	5.6kW
OFF	ON	ON	OFF	OFF	7.1kW
ON	ON	ON	OFF	OFF	8.0kW
OFF	OFF	OFF	ON	OFF	9.0kW
ON	OFF	OFF	ON	OFF	11.2kW
OFF	ON	OFF	ON	OFF	12.5kW
ON	ON	OFF	ON	OFF	14.0kW
OFF	OFF	ON	ON	OFF	18.0kW
ON	OFF	ON	ON	OFF	22.4kW
OFF	ON	ON	ON	OFF	25.0kW
ON	ON	ON	ON	OFF	Setting forbidden

● SW2 (SET2) setting

●External input select “edge/pulse”

(◆...Factory setting)

	SW2-2	External input select
◆	OFF	Edge
	ON	pulse

●SW2-3, SW2-4 setting forbidden

(◆...Factory setting)

	SW2-3	SW2-4	
◆	OFF	OFF	Fixed at OFF
	ON	ON	Setting forbidden

SYSTEM DESIGN

● SW3 (SET3) setting

●Wireless remote controller custom code switch

This DIP switch sets the custom code of the wireless remote controller of an indoor unit.

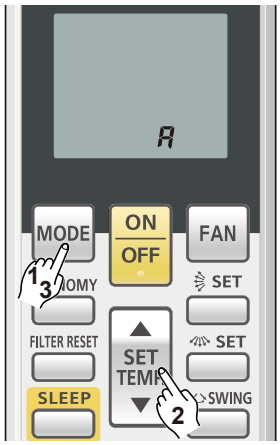
If multiple indoor units are being installed in the same room, switch the custom codes of the corresponding wireless remote controllers in order to prevent their signals from being mixed.

When switching the custom code of the wireless remote controller of an indoor unit, be sure to also switch the code setting on the paired wireless remote controller side at the same time.

(◆...Factory setting)

	SW3-1	SW3-2	Custom code
◆	OFF	OFF	Type A
	ON	OFF	Type B
	OFF	ON	Type C
	ON	ON	Type D

How to switch the code on the wireless remote controller side



1) Press the MODE button for more than five seconds to start the code change.
2) Press the SET TEMP. (▲) or (▼) button to select the desired code.
   ↱ A → B → C → D ↰
3) Press the MODE button again to end the code change.

●SW3-3, SW3-4 setting forbidden

(◆...Factory setting)

	SW3-3	SW3-4	
◆	OFF	OFF	Fixed at OFF
	ON	ON	Setting forbidden

SYSTEM DESIGN

● SW4 (SET4) setting

●SW4-1, SW4-2, SW4-3, SW4-4 setting forbidden

(◆...Factory setting)

	SW4-1	SW4-2	SW4-3	SW4-4	
◆	OFF	OFF	OFF	OFF	Fixed at OFF
	ON	ON	ON	ON	Setting forbidden

● SW5 (SET5) setting

●SW5-1, SW5-2, SW5-3, SW5-4 setting forbidden

(◆...Factory setting)

	SW5-1	SW5-2	SW5-3	SW5-4	
◆	OFF	OFF	OFF	OFF	Fixed at OFF
	ON	ON	ON	ON	Setting forbidden

■ ROTARY SWITCH SETTING

● SW6, SW7 setting

●Indoor unit address switch

Sets the indoor unit addresses.

Please see "6-5-3 address setting" for indoor unit address conversion table.

INDOOR UNIT ADDRESS SWITCH (Factory setting SW 6: 0 SW 7: 0)

Rotary SW	Description	Remarks
SW6	Indoor unit address SW1	Indoor unit address (the first digit)
SW7	Indoor unit address SW2	Indoor unit address (the second digit)

SYSTEM DESIGN

● SW8, SW9 setting

●Refrigerant circuit address switch

Sets the refrigerant circuit address.

Please see "6-5-3 address setting" for refrigerant circuit address conversion table.

REFRIGERANT CIRCUIT ADDRESS SWITCH (Factory setting SW 8: 0 SW 9: 0)

Rotary SW	Description	Remarks
SW8	Refrigerant circuit address SW1	Refrigerant circuit address (the first digit)
SW9	Refrigerant circuit address SW2	Refrigerant circuit address (the second digit)

● SW10 setting

●Remote controller address switch

When the indoor unit is wired by remote controller group, to identity the indoor unit in the remote controller group, the number (remote controller address) in the remote controller group is set.

Set the remote controller address in the 0.1.2,~,15 order (Blank is not allowed)

REMOTE CONTROLLER ADDRESS SWITCH (Factory setting : 0)

Rotary SW	Description	Remarks
SW10	Remote controller address	Remote controller address

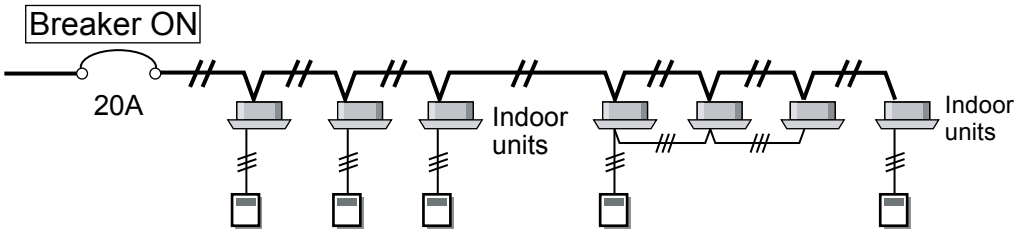
6-6-3. INDOOR UNIT (setting by wireless remote controller)

- This procedure changes to the function settings used to control the indoor unit according to the installation conditions. Incorrect settings can cause the indoor unit malfunction.
- After the power is turned on, perform the “FUNCTION SETTING” according to the installation conditions using the remote controller.
- The settings may be selected between the following two: Function Number or Setting Number.
- Settings will not be changed if invalid numbers or setting numbers are selected.

■ PREPARATION

(1) Turn on the power to the indoor unit.

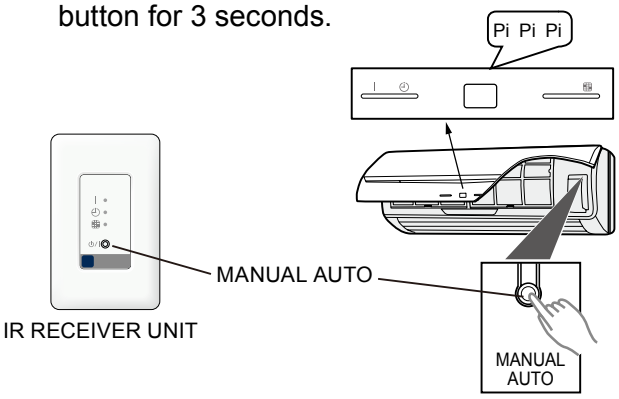
* By turning on the power indoor units initializes EEV, so make sure the piping air-tight test and vacuuming have been conducted before turning on the power.
* Also check again to make sure no wiring mistakes were made before turning on the power.



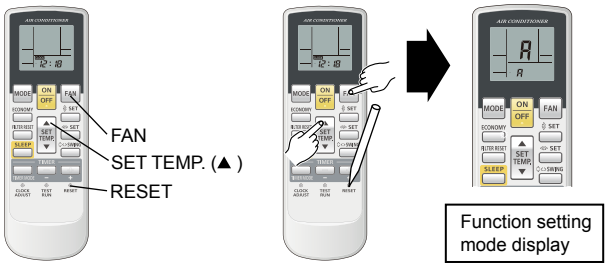
SYSTEM DESIGN

■ SWITCHING SELECTION OF FUNCTION SETTING MODE

(2) Press and hold the “MANUAL/AUTO” button for 3 seconds.



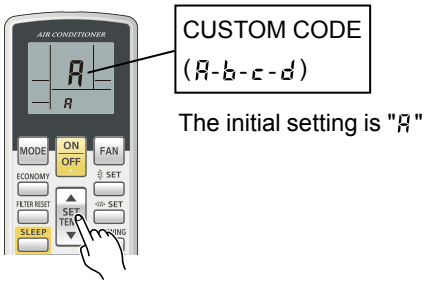
(3) Press and hold the “FAN” and the “ SET TEMP. ▲ ” buttons. Whilst holding these 2 buttons, press the "RESET" button.



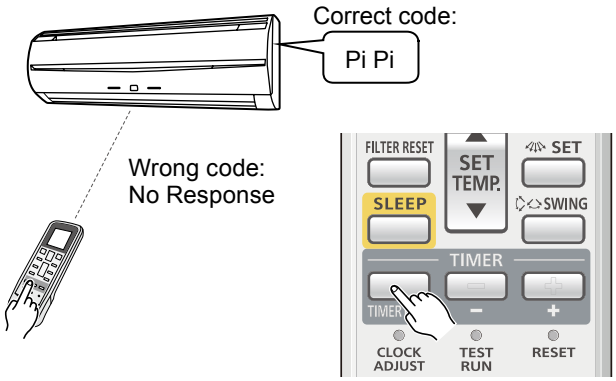
- The position of the “MANUAL/AUTO” button varies depending on the model. Refer to the operation manual for the position that is included with the unit.
- The error will be displayed by continuosly pressing the "MANUAL/AUTO" for 10 sec or more. In this case release the button or turn off the power.
- An explanation of the displayed information as shown below.

■ SELECTION AND CONFIRMATION OF CUSTOM CODE

(4) Press the “ SET TEMP. ▲ ” or “ SET TEMP. ▼ ” buttons to select the custom code that matches the setting with the indoor unit.By selecting the appropriate custom code, the communication between the indoor unit and the wireless RC become possible.



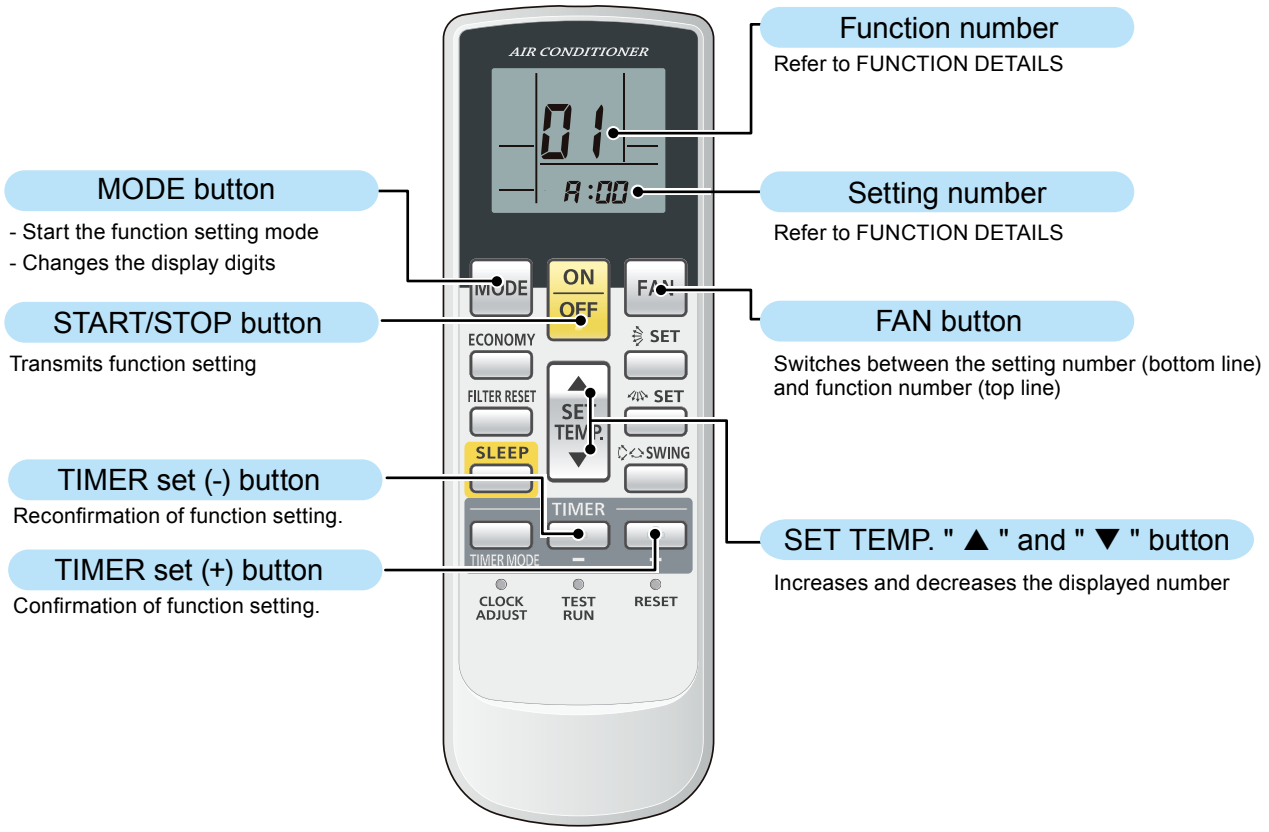
(5) Press the “TIMER MODE" button to send the code to the indoor unit.



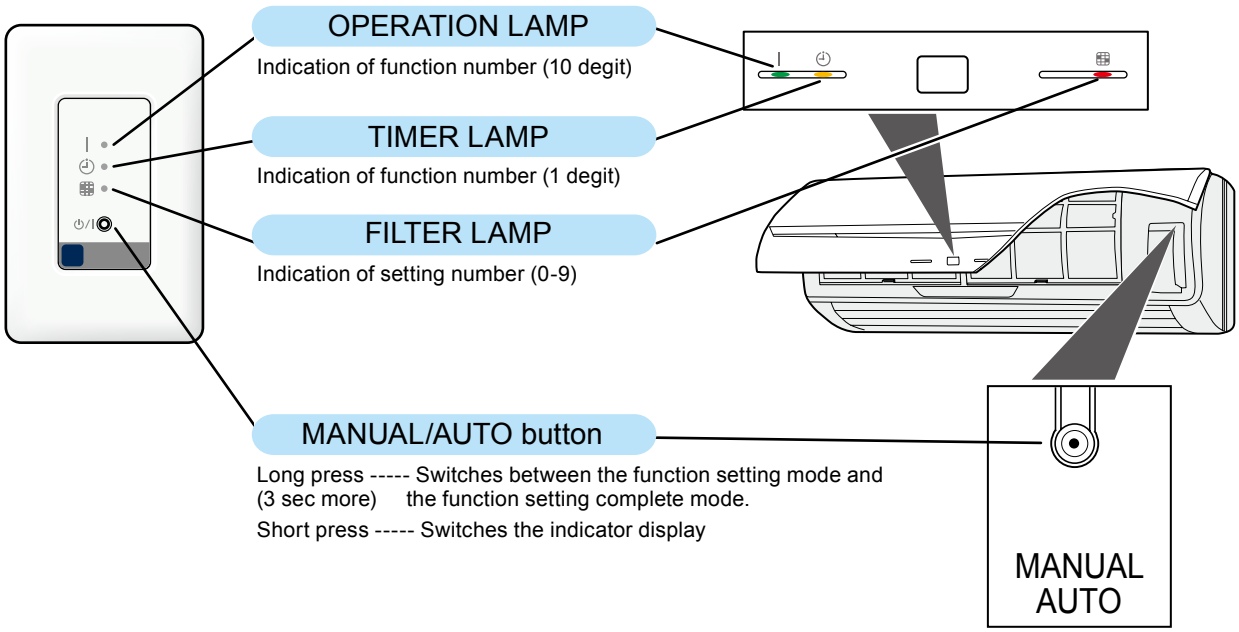
SYSTEM DESIGN

■ BUTTON NAME AND FUNCTION

- During address setting mode, indoor unit reject the any operation command from remote controller.



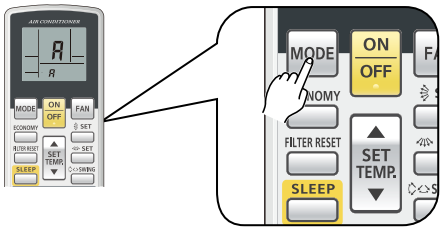
IR RECEIVER UNIT



SYSTEM DESIGN

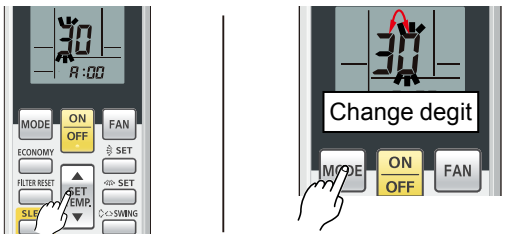
■ FUNCTION SETTING

(6) Press the “MODE” button to access the function setting mode.

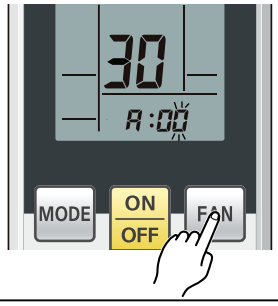


(7) Press the “ ▲ ” or the “ ▼ ” buttons to select the function number.

Each time the “MODE” button is pressed, it switches between 1 unit and 10 units positions.

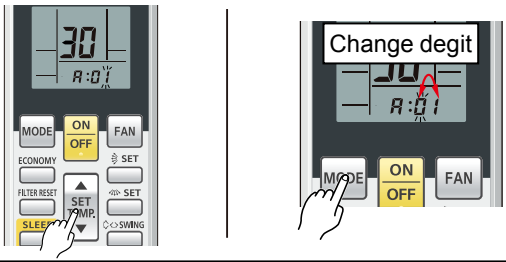


(8) Press the FAN button to proceed to setting the number. (Press the FAN button again to return to the function number selection.)

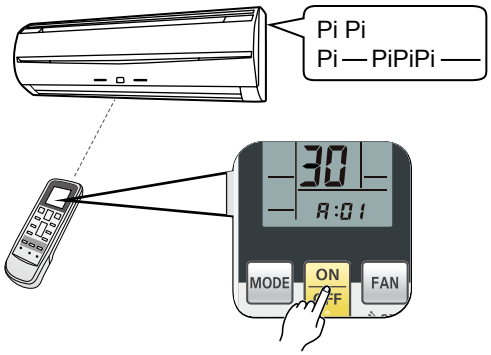


(9) Press the “ ▲ ” or the “ ▼ ” buttons to select the setting number.

Each time the “MODE” button is pressed, it switches between 1 unit and 10 units positions.



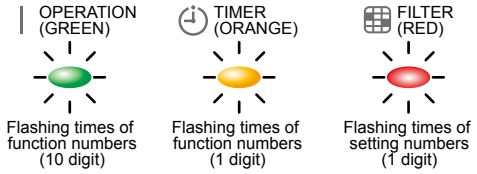
(10) Press the “START/STOP” button once to send the information. A beeping noise will be heard if the command is accepted.



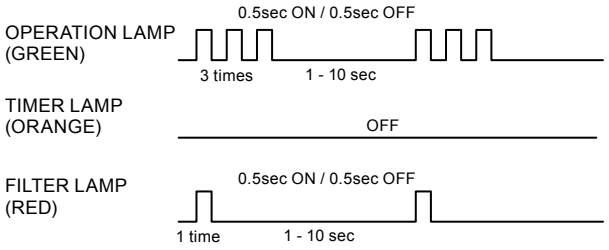
＊In the following cases the setting signal is not read and a buzzer sounds.

The function setting No. is set out of range : Pi Pi Pi Pi Pi

(11) Indoor unit will display the function setting number on "OPERATION"(GREEN), "TIMER ◴ "(ORANGE) and "FILTER ▦ "(RED) light.



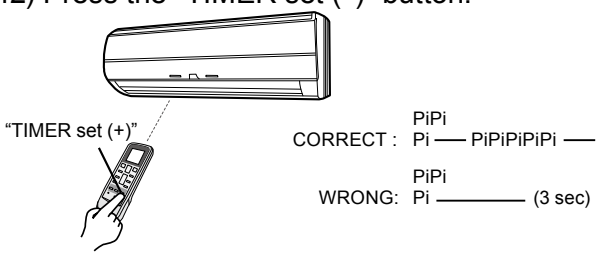
(Example) Function number : 30, Setting number : 01



＊ Number 0 setting will not indicate TIMER LAMP and FILTER LAMP.

● Confirmation of function setting

(12) Press the “TIMER set (+)” button.



SYSTEM DESIGN

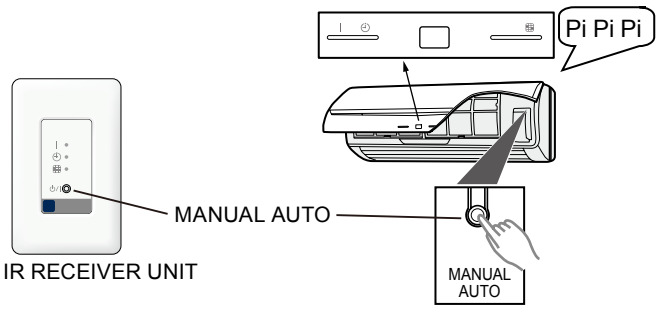
■ FUNCTION DETAILS

Function	Function number	Setting number		Default	Details
Filter indicator interval	**11**	**00**	Default	●	Adjust the filter cleaning interval notifi cation. If the notification is too early, change to setting 01. If the notification is too late, change to setting 02.
		01	Longer		
		02	Shorter		
Filter indicator action	**13**	**00**	Enable	●	Enable or disable the fi lter indicator. Setting 02 is for use with a central remote control.
		01	Disable		
		02	Display only on central remote control		
Ceiling airflow	**20**	**00**	Default	●	Regulate the airfl ow according to the needs of the installation location. When set to 01, the air flow will be stronger.
		01	High Ceiling		
Vertical airflow direction	**23**	**00**	Default	●	Adjust the vertical airflow direction. All airflow direction louvers are adjusted together. (Cassette type only)
		01	Raise		
Horizontal swing airflow direction	**24**	**00**	Default	●	Adjust the horizontal swing airflow direction. (For horizontal swing equipped models)
		01	Left half		
		02	Right half		
Cool air temperature trigger	**30**	**00**	Default	●	Adjust the cool air trigger temperature. To lower the trigger temperature, use setting 01. To raise the trigger temperature, use setting 02.
		01	Adjust (1)		
		02	Adjust (2)		
Heat air temperature trigger	**31**	**00**	Default	●	Adjust the heat air trigger temperature. To lower the trigger temperature by 6 degrees C, use setting 01. To lower the trigger temperature by 4 degrees C, use setting 02. To raise the trigger temperature, use setting 03.
		01	Adjust (1)		
		02	Adjust (2)		
		03	Adjust (3)		
Auto restart	**40**	**00**	Enable		Enable or disable automatic system restart after a power outage.
		01	Disable	●	
External control	**46**	**00**	Start/Stop	●	Allow an external controller to start or stop the system, or to perform an emergency stop. * If an emergency stop is performed from an external controller, same refrigerant system will be disabled.
		01	Emergency stop		
Error report target	**47**	**00**	All	●	Change the target for reporting errors. Errors can either be reported in all locations, or only on the wired remote.
		01	Display only on central remote control		

SYSTEM DESIGN

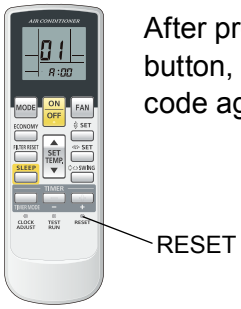
■ COMPLETION OF FUNCTION SETTING MODE

(13) Press and hold the “MANUAL/AUTO ı/o” button for 3 seconds.



∗ Each LED light brightness is darkening though the content of the display doesn't change.

(14) Press the “RESET” button.

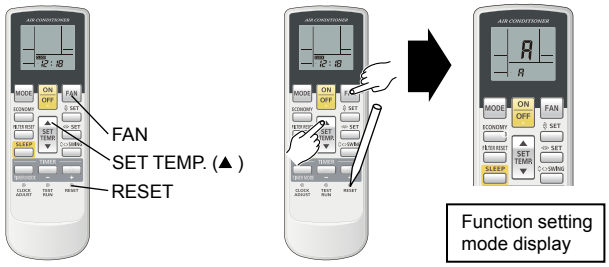


After pressing the RESET button, please set the custom code again if b,c,d setting.

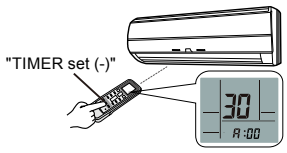
∗ The function setting signal is not received after switched function setting completion mode. (Pi Pi Pi Pi Pi)
∗ Press the "MANUAL/AUTO ı/o " button again for 3 sec to return to if required to return the function setting mode.

■ RECONFIRMATION OF FUNCTION SETTING

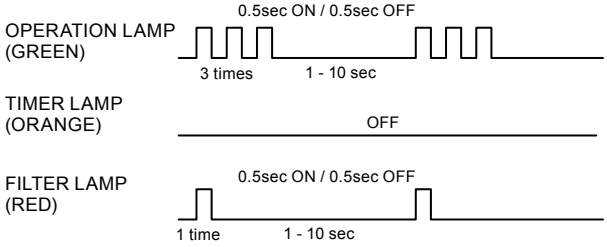
(15) Press and hold the “FAN” and the “ SET TEMP. ▲ ” buttons. Whilst holding these 2 buttons, press the "RESET" button.



(16) Function number to be confirmed is displayed.
Refer to (7).
Press the “TIMER set (-)” button.

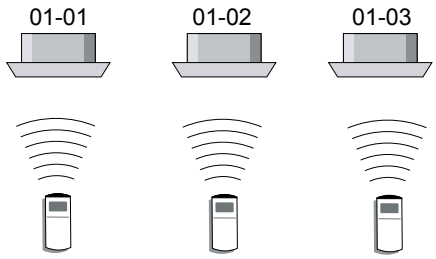


(Example) Function number : 30, Setting number : 01



SYSTEM DESIGN

■ SETTING UP EACH INDOOR UNIT



Repeat steps (1) through to (16). Steps (1) through to (5) and (13) to (16) only need to carried out if the custom code is different to the factory setting of “A”.

■ RESET THE POWER AFTER SETTING UP FUNCTION OF ALL INDOOR UNITS

Important

- **If the reset is not performed, fuction can not be read in normally.**
- **After all the functions have been set, the circuit breaker needs to be switched off for at least 2 minutes.**
  After the 2 minutes has passed, power can be restored.
- **The set fuction is stored in the PCB and will remain in memory even when the power is turned off.**
  However setting function is effective after power reset.
  Record the function set in the indoor unit on a label, etc., and affix the label to the unit so it can be used for after-sales service operations.

* Number 0 setting will not indicate TIMER LAMP and FILTER LAMP.

* Once the "RESET" button is pressed on the remote controller, the OPERATION MODE will be set in the "AUTO MODE".
Please adjust the OPERATION MODE to either "COOLING" or "HEATING" before trying to operate the air conditioner.

* Note : If CUSTOM CODE is set to anything other than "A" ,the remote control must be set accordingly to the INDOOR UNIT setting.

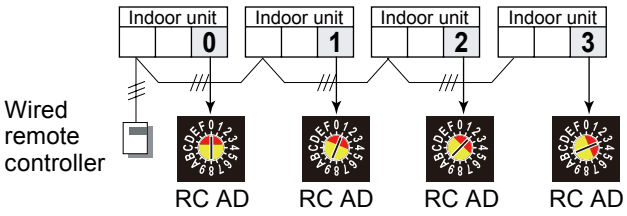
SYSTEM DESIGN

6-6-4. INDOOR UNIT (setting by wired remote controller)

- This procedure changes to the function settings used to control the indoor unit according to the installation conditions. Incorrect settings can cause the indoor unit malfunction.
- After the power is turned on, perform the “FUNCTION SETTING” according to the installation conditions using the remote controller.
- The settings may be selected between the following two: Function Number or Setting Number.
- Settings will not be changed if invalid numbers or setting numbers are selected.

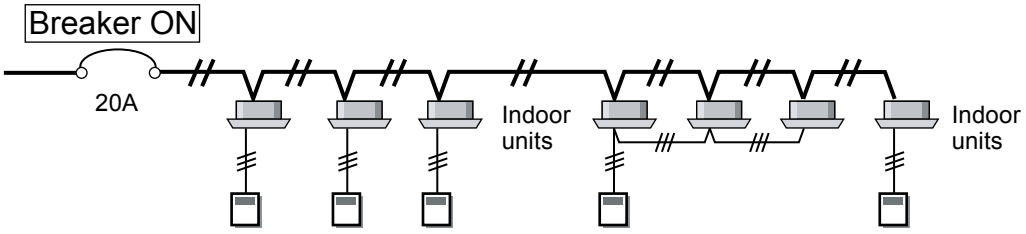
■ PREPARATION

1) If multiple indoor units are connected to a single wired remote controller, make sure to manually set up the remote controller address (RC AD) on the PCBs of the indoor units. (Refer to 6-5-3.)
Ex.) When four indoor units are connected



2) Turn on the power to the indoor unit.

- By turning on the power indoor units initializes EEV, so make sure the piping air-tight test and vacuuming have been conducted before turning on the power.
- Also check again to make sure no wiring mistakes were made before turning on the power.

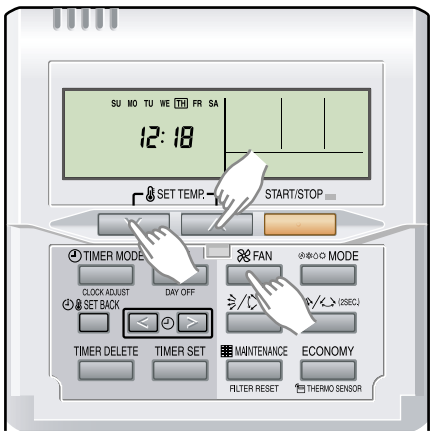


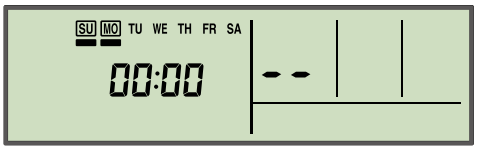
SYSTEM DESIGN

SYSTEM DESIGN

■ SWITCHING SELECTION OF FUNCTION SETTING MODE

3) To activate the function setting mode, hold down the three buttons of SET TEMP. V, SET TEMP. Λ and FAN at the same time for 5 seconds or longer.





Address setting mode initial display

■ BUTTON NAME AND FUNCTION

- During address setting mode, indoor unit reject the any operation command from remote controller.

SYSTEM DESIGN

Function number

Refer to FUNCTION DETAILS

Remote controller address

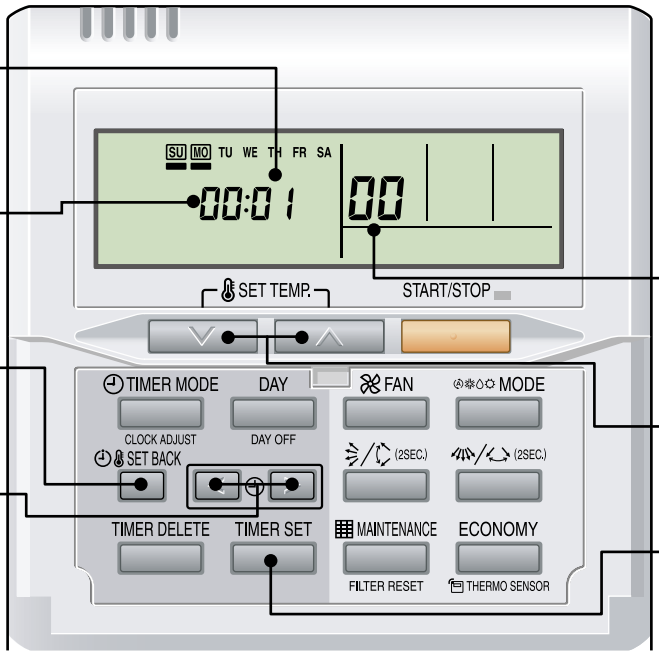
Remote controller address setting number 00-15

SET BACK button

Switches the remote controller address setting number.

SET TIME "<" and ">" button

Switches the function number.



Setting number

Refer to FUNCTION DETAILS

SET TEMP. "V" and "Λ" button

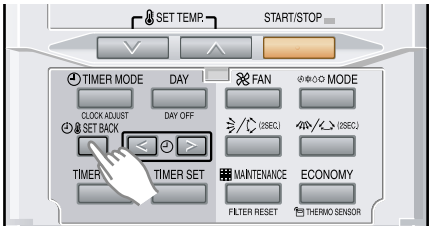
Switches the setting number.

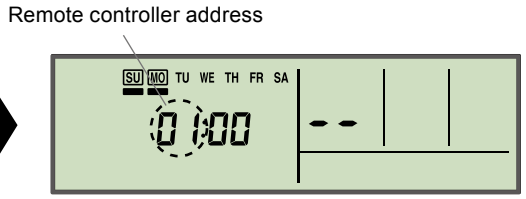
TIMER SET button

Transmits function setting

■ FUNCTION SETTING

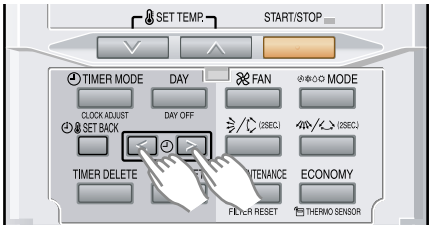
4) Pressing the SET BACK button, select a remote controller address (select the indoor unit you want to operate).

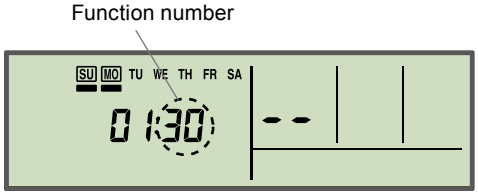




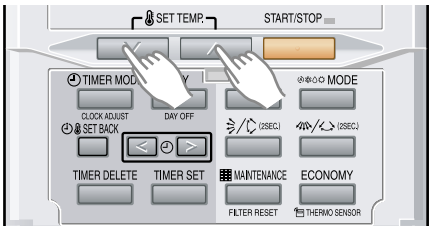
Ex.) When remote controller address “01” is selected

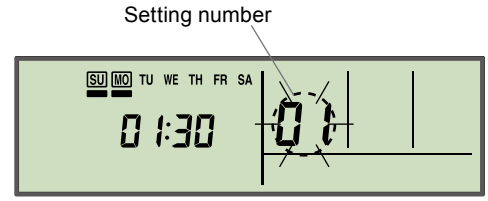
5) Pressing the SET TIME < button or the SET TIME > button, to select the function number.





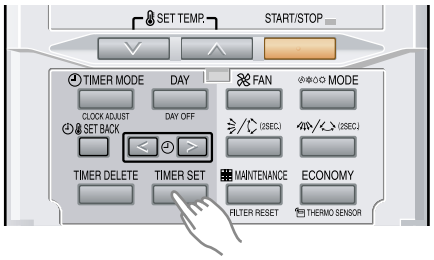
6) Pressing the SET TEMP. V button or the SET TEMP. Λ button, to select the setting number. The display flashes during setting number selection.

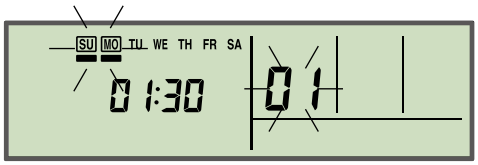




Ex.) Function number : 30, Setting number : 01

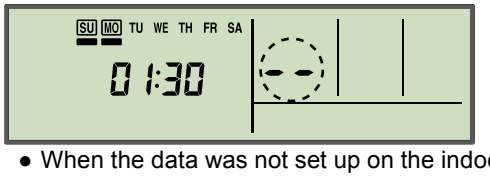
7) Pressing the TIMER SET button, confirm the setting.
(The data will be transferred to the indoor unit.)

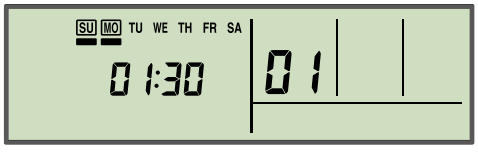




NO GOOD

GOOD





- When the data was not set up on the indoor unit (-- is displayed.)
- Set up the data again according to the procedure in step 5), 6) above.

When the data was normally set up on the indoor unit
(Flashing display changes to illuminated display.)

SYSTEM DESIGN

SYSTEM DESIGN

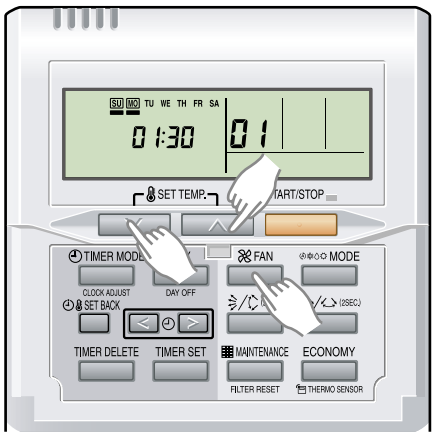
■ FUNCTION DETAILS

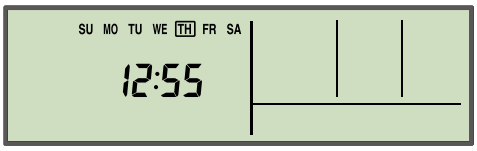
Function	Function number	Setting number		Default	Details
Filter indicator interval	**11**	**00**	Default	●	Adjust the filter cleaning interval notifi cation. If the notification is too early, change to setting 01. If the notification is too late, change to setting 02.
		01	Longer		
		02	Shorter		
Filter indicator action	**13**	**00**	Enable	●	Enable or disable the fi lter indicator. Setting 02 is for use with a central remote control.
		01	Disable		
		02	Display only on central remote control		
Ceiling airflow	**20**	**00**	Default	●	Regulate the airfl ow according to the needs of the installation location. When set to 01, the air flow will be stronger.
		01	High Ceiling		
Vertical airflow direction	**23**	**00**	Default	●	Adjust the vertical airflow direction. All airflow direction louvers are adjusted together. (Cassette type only)
		01	Raise		
Horizontal swing airflow direction	**24**	**00**	Default	●	Adjust the horizontal swing airflow direction. (For horizontal swing equipped models)
		01	Left half		
		02	Right half		
Cool air temperature trigger	**30**	**00**	Default	●	Adjust the cool air trigger temperature. To lower the trigger temperature, use setting 01. To raise the trigger temperature, use setting 02.
		01	Adjust (1)		
		02	Adjust (2)		
Heat air temperature trigger	**31**	**00**	Default	●	Adjust the heat air trigger temperature. To lower the trigger temperature by 6 degrees C, use setting 01. To lower the trigger temperature by 4 degrees C, use setting 02. To raise the trigger temperature, use setting 03.
		01	Adjust (1)		
		02	Adjust (2)		
		03	Adjust (3)		
Auto restart	**40**	**00**	Enable		Enable or disable automatic system restart after a power outage.
		01	Disable	●	
External control	**46**	**00**	Start/Stop	●	Allow an external controller to start or stop the system, or to perform an emergency stop. * If an emergency stop is performed from an external controller, same refrigerant system will be disabled.
		01	Emergency stop		
Error report target	**47**	**00**	All	●	Change the target for reporting errors. Errors can either be reported in all locations, or only on the wired remote.
		01	Display only on central remote control		

SYSTEM DESIGN

■ COMPLETION OF FUNCTION SETTING MODE

8) To clear the function setting mode and return to the regular display, hold down the three buttons of SET TEMP. V, SET TEMP. Λ and FAN at the same time.

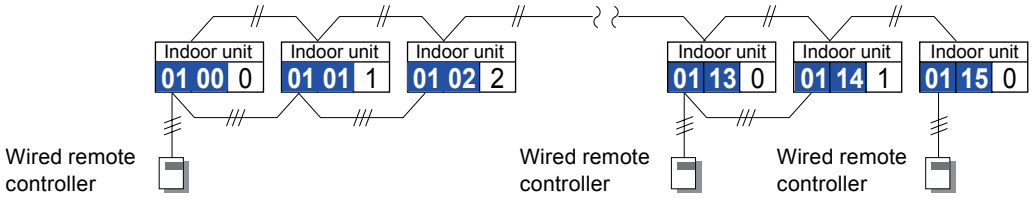




Normal mode display

* If no key entry is made for 60 seconds, even though none of the above buttons is pressed, the function setting mode will automatically be cleared.
(If the function setting mode is automatically cleared while setting addresses, activate the mode again according to the procedure in step 3) above.)

■ SETTING UP EACH INDOOR UNIT



Repeat the procedures in steps 1) through 8), and set up the indoor units requiring function setting.

■ RESET THE POWER AFTER SETTING UP FUNCTION OF ALL INDOOR UNITS

Important

*** If the reset is not performed, function can not be read in normally.**
*** After all the functions have been set, the circuit breaker needs to be switched off for at least 2 minutes.**
After the 2 minutes has passed, power can be restored.
*** The set function is stored in the PCB and will remain in memory even when the power is turned off.**
However setting function is effective after power reset.
Record the function set in the indoor unit on a label, etc., and affix the label to the unit so it can be used for after-sales service operations.

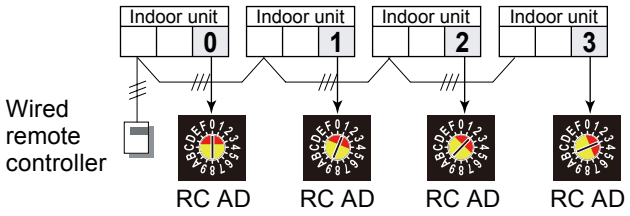
SYSTEM DESIGN

6-6-5. INDOOR UNIT (setting by simple remote controller)

- This procedure changes to the function settings used to control the indoor unit according to the installation conditions. Incorrect settings can cause the indoor unit malfunction.
- After the power is turned on, perform the “FUNCTION SETTING” according to the installation conditions using the remote controller.
- The settings may be selected between the following two: Function Number or Setting Number.
- Settings will not be changed if invalid numbers or setting numbers are selected.

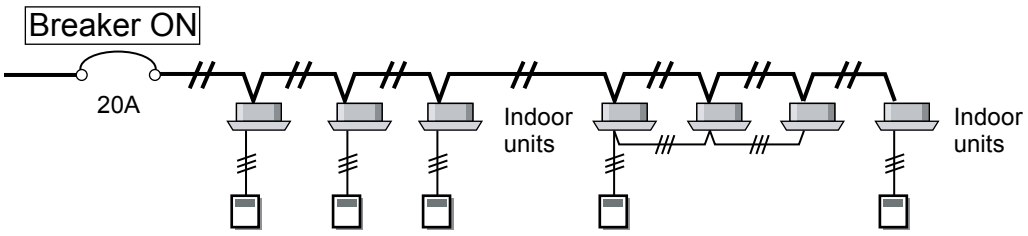
■ PREPARATION

1) If multiple indoor units are connected to a single simple remote controller, make sure to manually set up the remote controller address (RC AD) on the PCBs of the indoor units. (Refer to 6-5-3.)
Ex.) When four indoor units are connected



2) Turn on the power to the indoor unit.

- By turning on the power indoor units initializes EEV, so make sure the piping air-tight test and vacuuming have been conducted before turning on the power.
- Also check again to make sure no wiring mistakes were made before turning on the power.

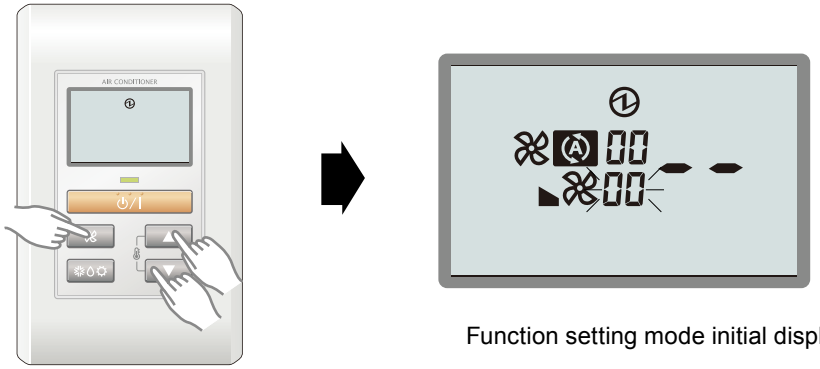


SYSTEM DESIGN

SYSTEM DESIGN

■ SWITCHING SELECTION OF FUNCTION SETTING MODE

3) To activate the function setting mode, hold down the three buttons of SET TEMP. ▼, SET TEMP. ▲ and FAN at the same time for 5 seconds or longer.



Function setting mode initial display

■ BUTTON NAME AND FUNCTION

- During function setting mode, indoor unit reject the any operation command from remote controller.

Function number

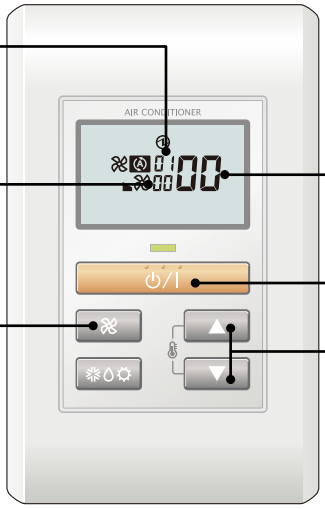
Refer to FUNCTION DETAILS

Remote controller address

Remote controller address setting number 00-15

FAN button

Each time this button is pressed, the fan setting changes among “Remote controller address,” “Function number” and “Setting number.”



Setting number

Refer to FUNCTION DETAILS

START/STOP button

Transmits function setting

SET TEMP. “▲” and “▼” button

Switches the various numbers.

UTY-RSK* (With operation mode)

Function number

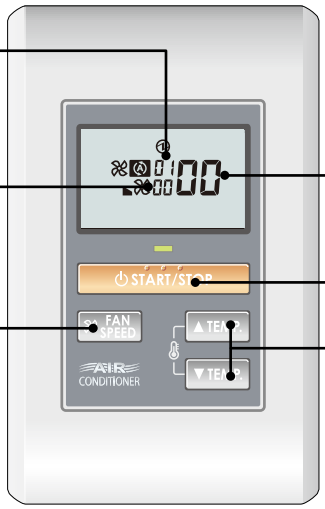
Refer to FUNCTION DETAILS

Remote controller address

Remote controller address setting number 00-15

FAN button

Each time this button is pressed, the fan setting changes among “Remote controller address,” “Function number” and “Setting number.”



Setting number

Refer to FUNCTION DETAILS

START/STOP button

Transmits function setting

SET TEMP. “▲” and “▼” button

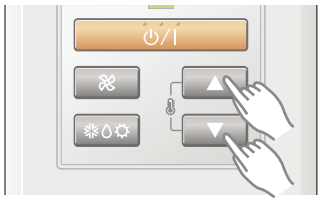
Switches the various numbers.

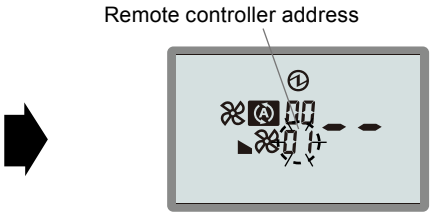
UTY-RHK* (Without operation mode)

SYSTEM DESIGN

■ FUNCTION SETTING

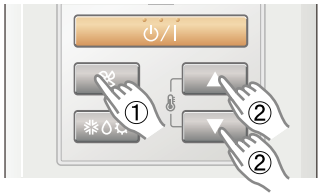
4) Pressing the SET TEMP. ▲ button or SET TEMP. ▼ button, select a remote controller address (select the indoor unit you want to operate).

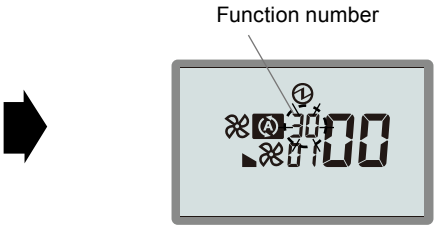




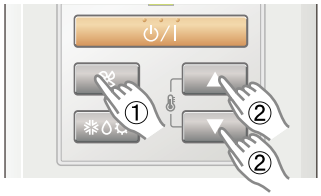
Ex.) When remote controller address “01” is selected

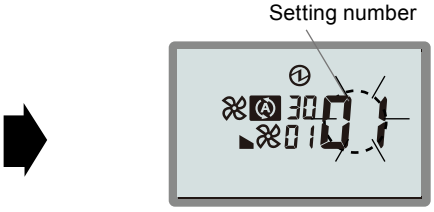
5) Press the FAN button so that the “Function number” display flashes. Then, press either the SET TEMP. ▲ button or the SET TEMP. ▼ button to set up the function number.





6) Press the FAN button so that the “Setting number” display flashes. Then, press either the SET TEMP. ▲ button or the SET TEMP. ▼ button to set up the setting number.



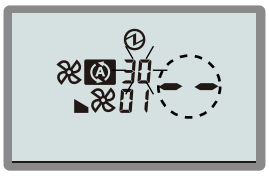


Ex.) Function number : 30, Setting number : 01

7) Pressing the START/STOP button, confirm the setting.
(The data will be transferred to the indoor unit.)

NO GOOD

GOOD



- When the data was not set up on the indoor unit (-- is displayed.)
- Set up the data again according to the procedure in step 5), 6) above.

When the data was normally set up on the indoor unit.

SYSTEM DESIGN

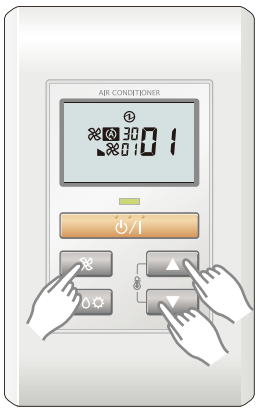
■ FUNCTION DETAILS

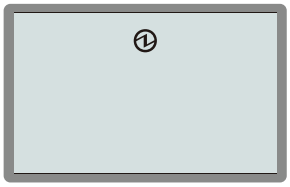
Function	Function number	Setting number		Default	Details
Filter indicator interval	**11**	**00**	Default	●	Adjust the filter cleaning interval notifi cation. If the notification is too early, change to setting 01. If the notification is too late, change to setting 02.
		01	Longer		
		02	Shorter		
Filter indicator action	**13**	**00**	Enable	●	Enable or disable the fi lter indicator. Setting 02 is for use with a central remote control.
		01	Disable		
		02	Display only on central remote control		
Ceiling airflow	**20**	**00**	Default	●	Regulate the airfl ow according to the needs of the installation location. When set to 01, the air flow will be stronger.
		01	High Ceiling		
Vertical airflow direction	**23**	**00**	Default	●	Adjust the vertical airflow direction. All airflow direction louvers are adjusted together. (Cassette type only)
		01	Raise		
Horizontal swing airflow direction	**24**	**00**	Default	●	Adjust the horizontal swing airflow direction. (For horizontal swing equipped models)
		01	Left half		
		02	Right half		
Cool air temperature trigger	**30**	**00**	Default	●	Adjust the cool air trigger temperature. To lower the trigger temperature, use setting 01. To raise the trigger temperature, use setting 02.
		01	Adjust (1)		
		02	Adjust (2)		
Heat air temperature trigger	**31**	**00**	Default	●	Adjust the heat air trigger temperature. To lower the trigger temperature by 6 degrees C, use setting 01. To lower the trigger temperature by 4 degrees C, use setting 02. To raise the trigger temperature, use setting 03.
		01	Adjust (1)		
		02	Adjust (2)		
		03	Adjust (3)		
Auto restart	**40**	**00**	Enable		Enable or disable automatic system restart after a power outage.
		01	Disable	●	
External control	**46**	**00**	Start/Stop	●	Allow an external controller to start or stop the system, or to perform an emergency stop. * If an emergency stop is performed from an external controller, same refrigerant system will be disabled.
		01	Emergency stop		
Error report target	**47**	**00**	All	●	Change the target for reporting errors. Errors can either be reported in all locations, or only on the wired remote.
		01	Display only on central remote control		

SYSTEM DESIGN

■ COMPLETION OF FUNCTION SETTING MODE

8) Press the three buttons of SET TEMP. ▲, SET TEMP. ▼ and FAN at the same time for 5 seconds or longer. The function setting mode will be cleared and the regular display will be restored.

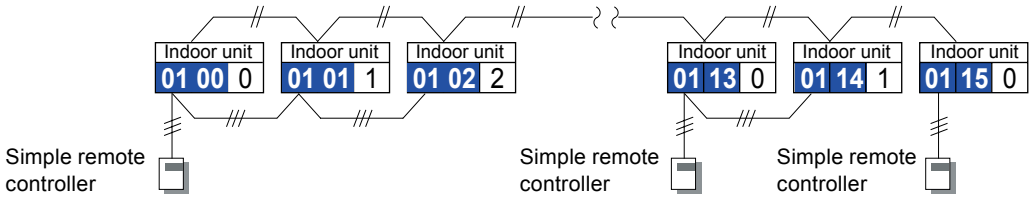




Normal mode display

* If no key entry is made for 60 seconds, even though none of the above buttons is pressed, the function setting mode will automatically be cleared.
(If the function setting mode is automatically cleared while setting addresses, activate the mode again according to the procedure in step 3) above.)

■ SETTING UP EACH INDOOR UNIT



Repeat the procedures in steps 1) through 8), and set up the indoor units requiring function setting.

■ RESET THE POWER AFTER SETTING UP FUNCTION OF ALL INDOOR UNITS

Important

*** If the reset is not performed, function can not be read in normally.**
*** After all the functions have been set, the circuit breaker needs to be switched off for at least 2 minutes.**
After the 2 minutes has passed, power can be restored.
*** The set function is stored in the PCB and will remain in memory even when the power is turned off.**
However setting function is effective after power reset.
Record the function set in the indoor unit on a label, etc., and affix the label to the unit so it can be used for after-sales service operations.

SYSTEM DESIGN

6-6-6. WIRED, SIMPLE REMOTE CONTROLLER

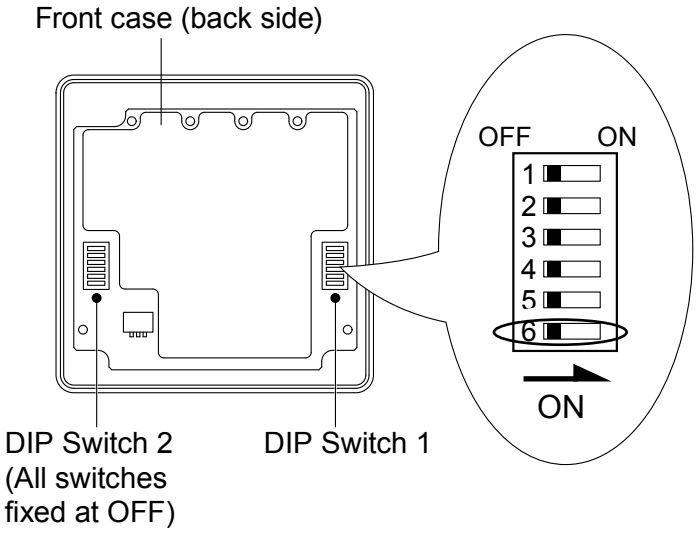
DIP Switch 1	SW1	Forbidden
	SW2	Dual remote controller setting
	SW3	Forbidden
	SW4	Forbidden
	SW5	Forbidden
	SW6	Memory backup setting (Wired remote controller only)

* Do not use DIP Switch 2 (Wired remote controller)

■ SWITCH POSITION

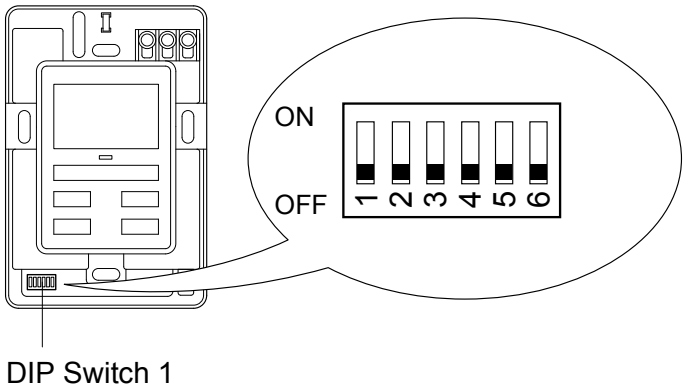
● Wired remote controller

Model : UTY-RNK∗

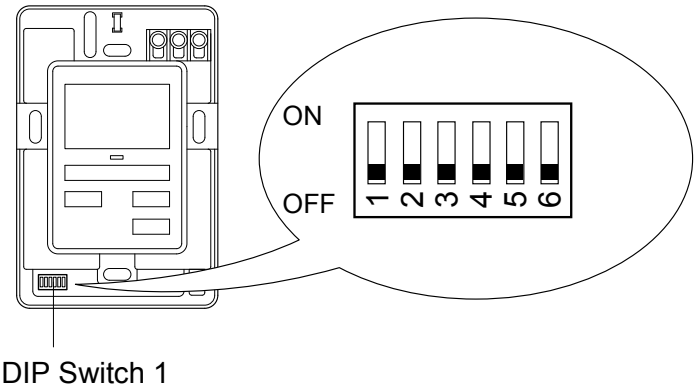


● Simple remote controller

Model : UTY-RSK∗



Model : UTY-RHK∗



SYSTEM DESIGN

■ DIP SWITCH 1 SETTING

● SW1 setting forbidden

(◆...Factory setting)

	SW1	
◆	OFF	Fixed at OFF
	ON	Setting forbidden

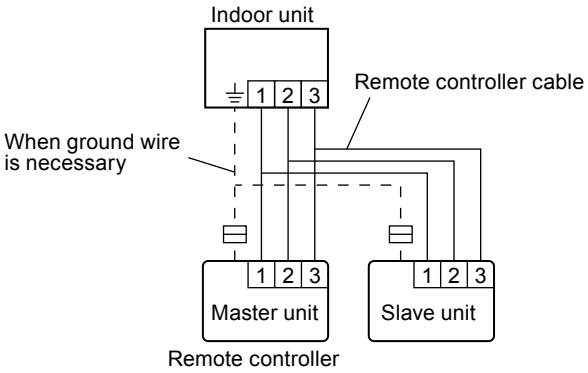
● SW2 setting

●Dual remote controller setting

Set the remote controller SW2 according to the following table.

(◆...Factory setting)

	Number of remote controller	Master unit	Slave unit
		SW2	SW2
◆	1 (Normal)	OFF	-
	2 (Dual)	OFF	ON



● SW3 setting forbidden

(◆...Factory setting)

	SW3	
◆	OFF	Fixed at OFF
	ON	Setting forbidden

● SW4 setting forbidden

(◆...Factory setting)

	SW4	
◆	OFF	Fixed at OFF
	ON	Setting forbidden

● SW5 setting forbidden

(◆...Factory setting)

	SW5	
◆	OFF	Fixed at OFF
	ON	Setting forbidden

● SW6 setting

●Memory backup setting (Wired remote controller only)

Set to ON to use batteries for the memory backup.

If batteries are not used, all of settings stored in memory will be delete if there is a power failure.

(◆...Factory setting)

	SW6	Memory backup
◆	OFF	Invalidity
	ON	Validity

Never turn it ON in the case of simple remote controller.

SYSTEM DESIGN

6-6-7. GROUP REMOTE CONTROLLER

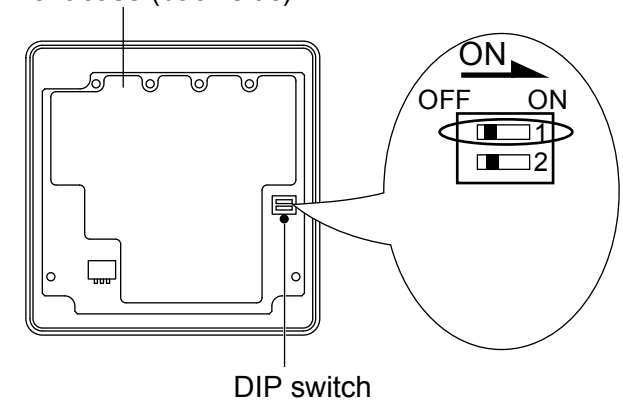
DIP Switch	SW1	Memory backup setting
	SW2	Forbidden

■ SWITCH POSITION

● Group remote controller

Model : UTY-CGG∗

Front case (back side)



■ DIP SWITCH SETTING

● SW1 setting

●Memory backup setting

If there is a power failure when the memory backup is enabled, the setting stored in the memory will be saved.

(◆...Factory setting)

	SW1	Memory backup
◆	OFF	Invalidity
	ON	Validity

● SW2 setting forbidden

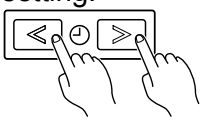
(◆...Factory setting)

	SW2	
◆	OFF	Fixed at OFF
	ON	Setting forbidden

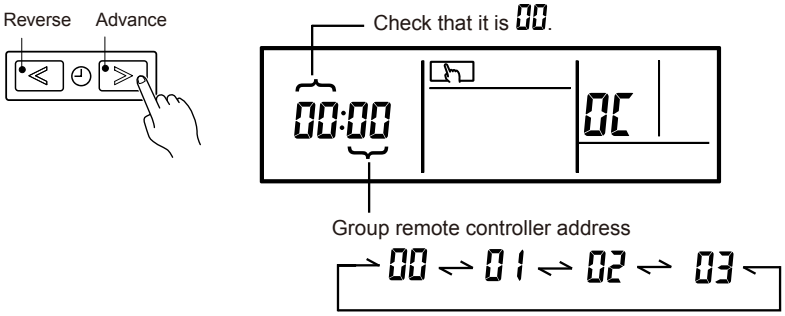
SYSTEM DESIGN

■ GROUP REMOTE CONTROLLER ADDRESS SETTING

- Hold down the set time buttons ⩽ and ⩾ simultaneously for two seconds or more to start the setting.

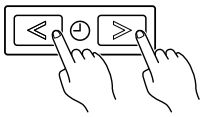


- Press the set time buttons to set the Group remote controller address.



- Press the ENTER button.
  Check the ((•)) and 0C flash for two seconds.

- Hold down again the set time buttons ⩽ and ⩾ simultaneously for two seconds or more to complete setting.

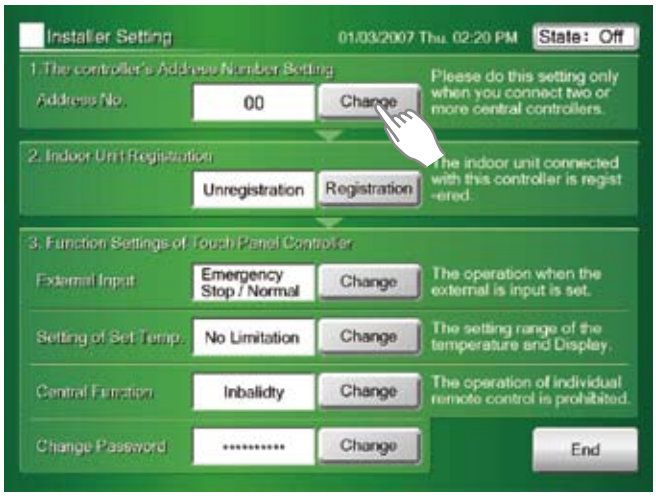


SYSTEM DESIGN

6-6-8. TOUCH PANEL CONTROLLER

■ ADDRESS SETTING

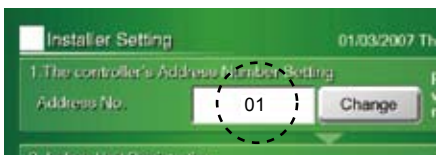
- Display the Installer Setting screen and press "Change" button of "1. The controller Address Number Setting".



- If it changes to "1. The controller Address Number Setting" screen, press "01" button of Address No., and then press "OK" button.

Ex) When setting the Address Number to "01".

- If it returns to Installer Setting screen, make sure that Address No. is "01", and then end.



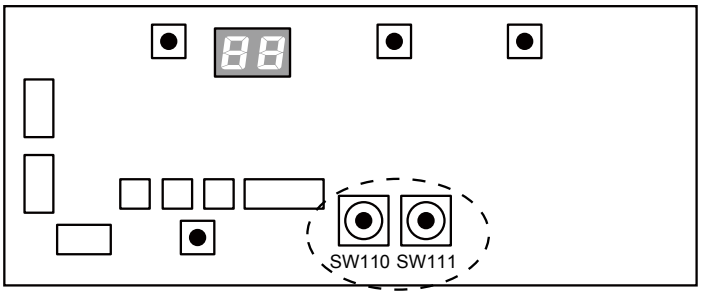
- **Address No. can be set between "00" and "15". (Up to maximum 16 Touch Panel Controller can be installed to 1 system).**
- **When installing two or more Touch Panel Controller, set up so that Address No. does not overlap.**
- **Please refer to the OPERATING MANUAL of Touch Panel Controller for details.**
- **Please keep Address No. of Touch Panel Controller from overlapping the controller (Network convertor for Group remote controller) connected to the same VRF Network system**

SYSTEM DESIGN

6-6-9. NETWORK CONVERTOR

■ SWITCH POSITION

- Set network convertor rotary switch 110 and 111.



Network convertor PCB

■ CONVERTOR ADDRESS SETTING

For Group remote controller

● Example

Convertor address	SW setting	
	Rotary SW110 (10 digit)	Rotary SW111 (1 digit)
01	0	1
15	1	5

*Setting range 00 - 15 (Arbitrary numbers can be set)

*The sum total of the Touch panel controller and Network convertor for Group remote controller is a maximum of 16.

*Please keep Address No. of Touch Panel Controller from overlapping the controller (Network convertor for Group remote controller) connected to the same VRF Network system.

■ REFRIGERANT CIRCUIT ADDRESS SETTING

For Single split AC

● Example

Refrigerant circuit address	SW setting	
	Rotary SW110 (10 digit)	Rotary SW111 (1 digit)
01	0	1
99	9	9

*Setting range 00 - 99 (Arbitrary numbers can be set)

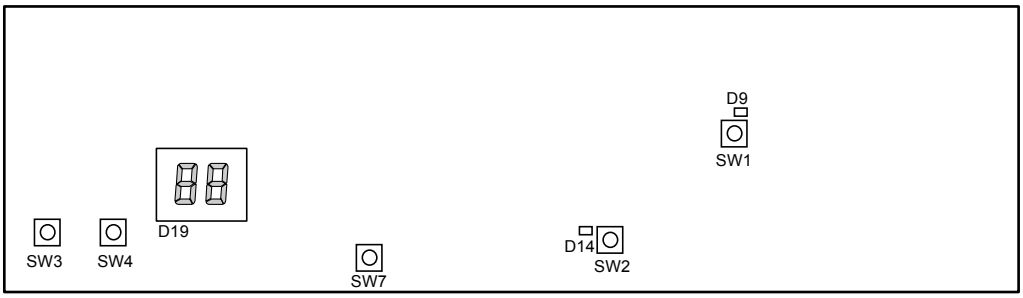
*When connecting the Network convertor for Single split AC , set up the number so that the Refrigerant circuit address number of outdoor unit and indoor unit does not overlap .

And the sum total of the Refrigerant circuit address of Network convertor for Single split AC and the Refrigerant circuit address of the outdoor unit and the indoor unit is a maximum of 100.

SYSTEM DESIGN

6-6-10. SIGNAL AMPLIFIER

■ SWITCH POSITION

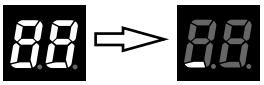


■ AUTOMATIC ADDRESS SETTING

● Refer to 6-5-7

■ MANUAL ADDRESS SETTING

1) Turn on the power for the signal amplifier.



2) While holding down the set button (SW4), press and release the reset button (SW7) to enter the address setting mode.

The address setting mode is activated only if the set button is hold down when the reset button is released.

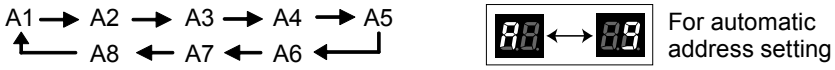
3) Press the set button (SW4) to display the current address.

The address is set to A1 at the factory.

*1 : When the automatic address setting is selected, the display range is 9 - 16.

4) Press the mode button (SW3) to select the address. *2

The displayed address changes as follows each time the mode button is pressed.



*2 : If connecting multiple signal amplifiers, be sure to select a different address for each amplifier.
If the same address is used for different signal amplifiers, communication cannot occur.

Ex.) Address No.5 is selected.

5) Press the set button (SW4) to set the selected address.

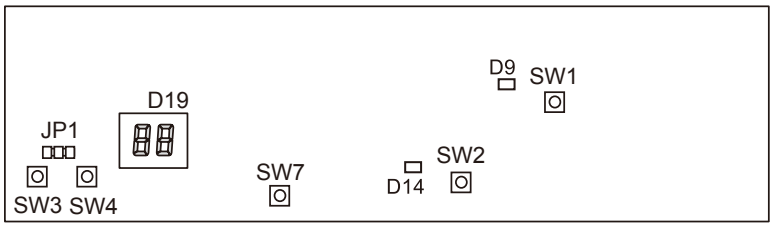
6) Turn the power off and on or press the reset button (SW7) to exit the address setting mode and return to the normal mode.

If an address setting error occurs ("26" is displayed on the right side of the D19 LED display), the address will not be set. Perform address setting again.

Normal mode　　Address setting error

6-6-11. NETWORK CONVERTOR FOR LONWORKS®

■ SWITCH POSITION



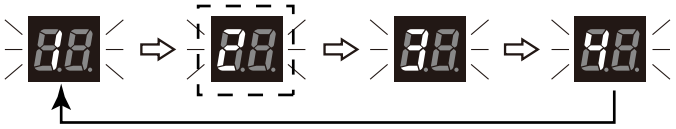
■ ADDRESS SETTING

When setting address, please be sure that the address of Network Convertor is not overlap the address of other controller like, Touch Panel Controller & Network Convertor for Group Remote Controller.

Following steps are necessary for setting address of Network Convertor.

1) Turn on the power of network convertor.

2) Select the special mode by pressing and releasing SW7 (reset button) while holding down SW4 (set button) until special mode “1” is displayed.



Special mode changes from ‘1’ to ‘4’ as shown in the above mentioned way.

3) Press SW3 (mode button) to set special mode “2”. Special mode “2” is the address setting mode.

4) Press SW4 (set button). Present address is displayed.

Ex.) Address No. 15 is factory setting.

5) Press SW3 (mode button) to select the address. The displayed address changes as follows each time the mode button is pressed.

Ex.) Address No. 3 is selected.

6) Press SW4 (set button) to set the selected address.

Ex.) Address No. 3 is set.

7) Turn the power off and on or press SW7 (reset button) to exit from address setting mode. Anyone of the following indication will disappear:

: VRF Network address allocation is not registered by using Tool for Network Convertor

: Binding and Commissioning is not executed

: Normal Mode (Ready for operation)

: Others (Please check Installation Manual for more detail)

SYSTEM DESIGN

SYSTEM DESIGN

6-6-12. DUCT STATIC PRESSURE SETTING

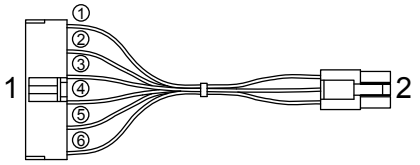
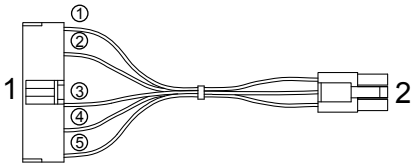
■ MODELS : ARXB07, ARXB09, ARXB12, ARXB14, ARXB18

Change a setting of air flow, when external static pressure is less than 25 Pa.

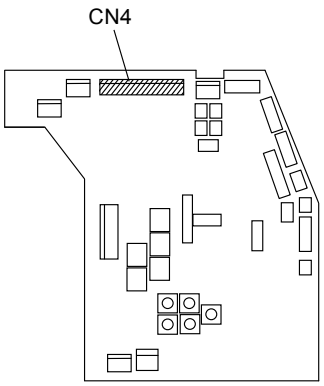
A setting of air flow can be changed by exchanging wires for B type from A type. (Refer to following table)

How to set air flow

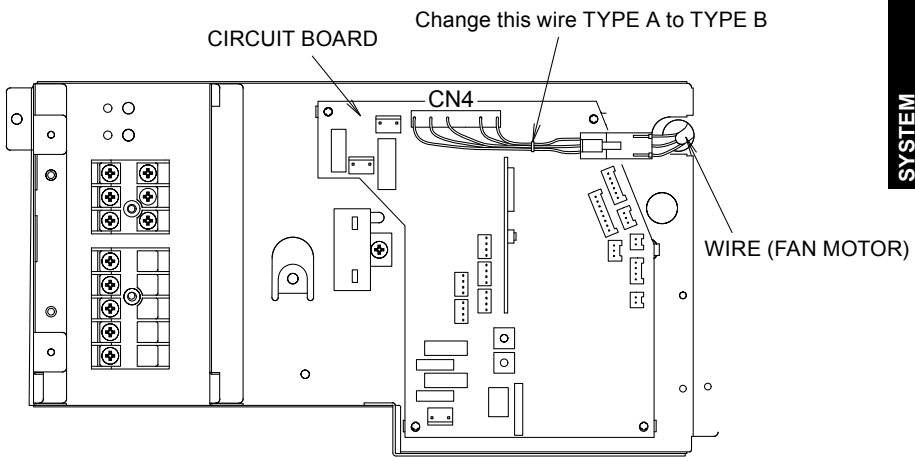
Connect "1" of "B type" wire to "CN4" on circuit board and "2" to the connector connected to the fan motor.

TYPE	EXTERNAL STATIC PRESSURE	WIRE	REMARK
A	25 - 50 Pa	 ①PURPLE ②PINK ③BLUE ④RED ⑤WHITE ⑥BLACK	Factory setting (Standard static pressure)
B	0 - 25 Pa	 ①BLUE ②PURPLE ③PINK ④WHITE ⑤BLACK	Standard parts (Low static pressure)

● Layout of circuit board



● Layout of control box



Be sure to connect the wire with connector.

If connection is improper, it will not operate properly.

SYSTEM DESIGN

■ MODELS : ARXB24, ARXB30, ARXB36, ARXB45

When using the ARXB24/30/36/45 model with external static pressure of 40Pa or lower, the Wire (Fan motor) must be replaced as explained below.

Replacement method

(1) Remove the cover.

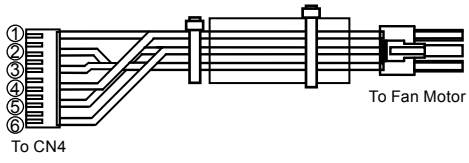
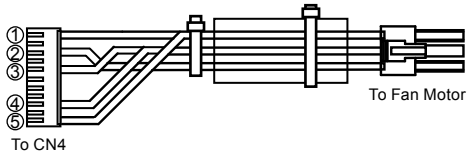
(2) Remove the Wire (Type A) connector from Wire (Fan motor).

(3) Remove the Wire (Type A) connector from CN4 of the PCB.

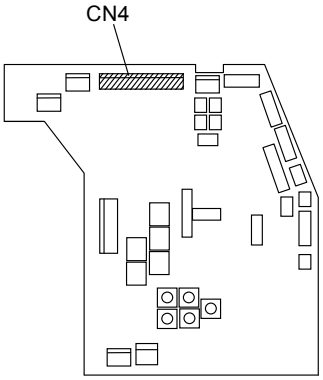
(4) Insert the Wire (Type B) connector into CN4 of the PCB.

(5) Insert the Wire (TypeB) connector into Wire (Fan motor).

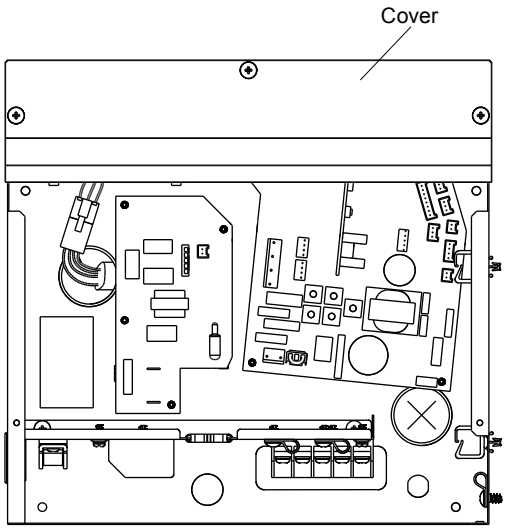
(6) Insert the cover.

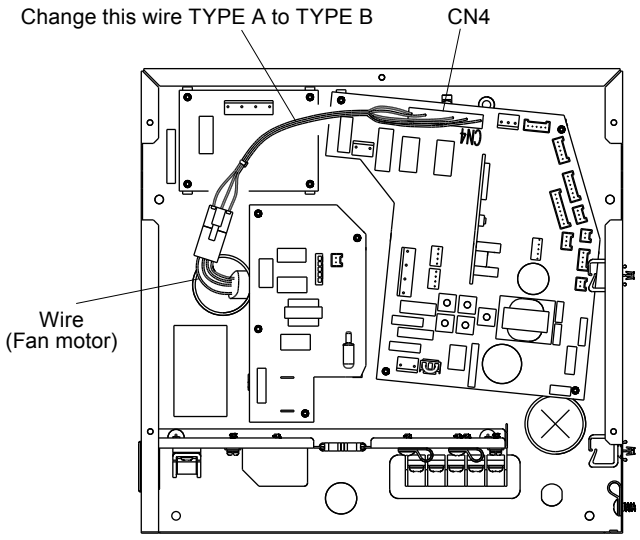
TYPE	EXTERNAL STATIC PRESSURE	WIRE	REMARK
A	40 - 80 Pa	 ①BLACK ②WHITE ③RED ④BLUE ⑤PINK ⑥PURPLE	Factory setting (Standard static pressure)
B	0 - 40 Pa	 ①BLACK ②WHITE ③PINK ④PURPLE ⑤BLUE	Standard parts (Low static pressure)

● Layout of circuit board



● Layout of control box





Be sure to connect the wire with connector.

If connection is improper, it will not operate properly.

SYSTEM DESIGN

■ MODELS : ARXC72, ARXC90

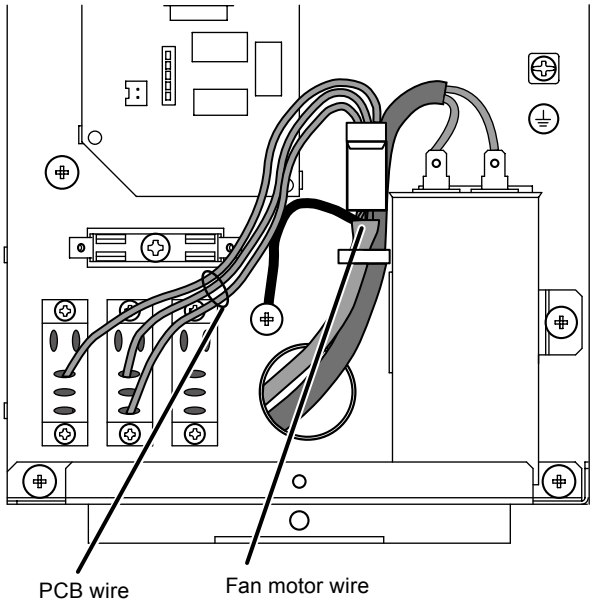
When apply external static pressure less than 150Pa (ARXC72) or 200Pa (ARXC90) on the model, please follow the methods below to connect relay wire.

(1) Disconnect the PCB wire connector from Fan motor wire connector.
(2) Connect the Fan motor wire with Relay wire.
(3) Connect the PCB wire with Relay wire.

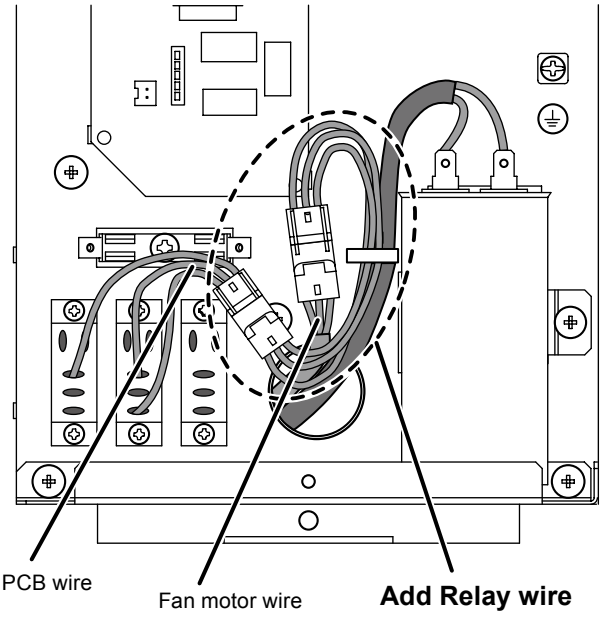
External Static Pressure	Relay wire	Remark
ARXC72 : 50-150Pa ARXC90 : 100-200Pa	 1 PINK 2 PURPLE 3 BLUE	Standard parts (Standard static pressure)

● Layout of control box

High Static Pressure mode : 150-300Pa (ARXC72)
200-300Pa (ARXC90)
(Factory setting)



Standard Static Pressure mode : 50-150Pa (ARXC72)
100-200Pa (ARXC90)
(Change setting)



Be sure to connect the wire with connector.
If connection is improper, it will not operate properly.

SYSTEM DESIGN

6-6-13. ADMINISTRATIVE INDOOR UNIT SETTING

- An indoor unit which decides the priority mode (cooling or heating) in a same refrigerant system.
- “Administrative Indoor Unit” can be set to a unit in a same refrigerant system.

■ SETTING METHOD

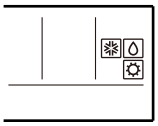
● Outdoor unit function setting

Please set to "Priority given to administrative indoor unit" with function setting of outdoor unit. →Refer to 6-6-1.OUTDOOR UNIT

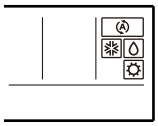
● Wired remote controller setting

(1) After the indoor unit stops operation, press the “MODE” button of wired remote controller for 5 seconds continuously.
The operating mode of the wired remote controller display lights on after 5 seconds as follows.

(1)-a) The indication not set as "Administrative indoor unit"

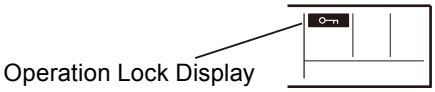


(1)-b) The indication set as "Administrative indoor unit"



Note

- “MODE ” button is locked by below reasons while the marking lights on.
  In such case, “Administrative Indoor Unit” cannot be set or released.



- “Priority on Administrative Indoor Unit” is not selected in the setting of priority mode of outdoor unit.
  →Set “Administrative Indoor Unit” in the wired remote controller after selecting “Priority on Administrative Indoor Unit” in setting of priority mode of outdoor unit.
- Another indoor unit was set to “Administrative Indoor Unit” already.
  →Release the setting “Administrative Indoor Unit” of another indoor unit.

(2) Press the “MODE ” button.
Display (1)-b) when setting, and display (1)-a) when releasing.
→The display blinks when the “MODE ” button is pressed, and the display of (1)-a) and (1)-b) alters whenever the “MODE ” button is pressed.
→The contents set in the wired remote controller are transferred to the indoor unit immediately after the display is selected. It may take 10 seconds depending on communication conditions. While this period, the button operation will be suspended.
→It returns to the normal display after 20 seconds automatically if the operation button is not pressed.
→When setting or releasing is completed, the indication on wired remote controller changes to the normal indication from blinking.

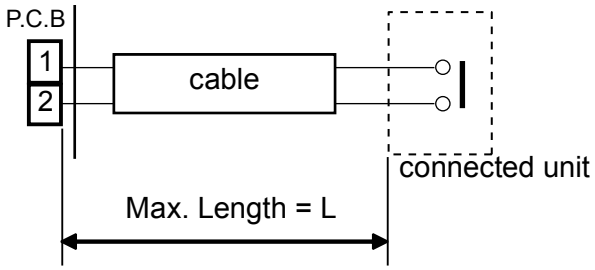
(3) Complete the setting or releasing of “Administrative Indoor Unit”.
Press the “MODE ” button of the wired remote controller again for 5 seconds continuously.
→The indication returns to normal display if the “MODE” button is pressed for 5 seconds continuously.
(It returns to normal indication after 20 seconds even if the “MODE ” button is not pressed.)

SYSTEM DESIGN

6-7. EXTERNAL INPUT & OUTPUT

Note :

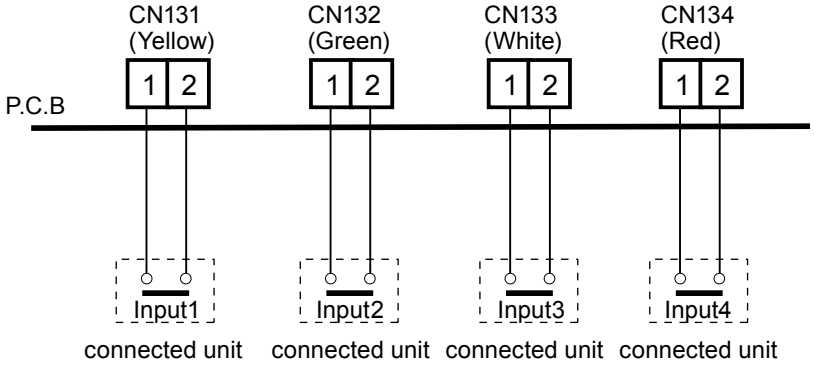
The length regulations of the cable are as shown in the following figures.



Type	L (m) Input / Output	Type	L (m) Input / Output
Outdoor unit	150 / 150	Floor/Ceiling	25 / 25
Compact Cassette		Ceiling	
Cassette		Compact Wall Mounted	
Compact Duct	25 / 25		
Low Static Duct		Wall Mounted	
Duct		Touch Panel Controller	
High Static Duct			

6-7-1. OUTDOOR UNIT

■ INPUT (Master unit only)



Setting to low noise mode, cooling priority/heating priority selection, outdoor unit operation peak control setting and emergency stop are possible from the outside.

Connector	Input signal	Status
CN131 (Yellow)	OFF	Normal operation
	ON	Low noise mode operation
CN132 (Green) *1	OFF	Cooling priority
	ON	Heating priority
CN133 (White)	OFF	Normal operation
	ON	Outdoor unit operation peak control
CN134 (Red)	OFF	Normal operation
	ON	Forced stop or Emergency stop operation *2, *3

A twisted pair cable (22AWG) shoud be used. Maximum length of cable is 150m.

Note :

*1: The "external input priority mode" must be set by pressing push button on PC board of outdoor unit.

*2: Forced stop or Emergency stop pattern can be selected by outdoor unit PC board push button.

*3: The emergency stop function mounted in the V-II does not guarantee the regulations of each country. For this reason, sufficient checking is necessary regarding use.
Especially, since the fact that the equipment may not be emergency-stopped in the case of breaking of the wiring to the external input terminals and communication line, communication error due to noise, VRF external input circuit trouble, etc. must be considered, the provision of double measures that add direct interruption of the power supply by switch, etc. is recommended as a precaution.

SYSTEM DESIGN

■ OUTPUT

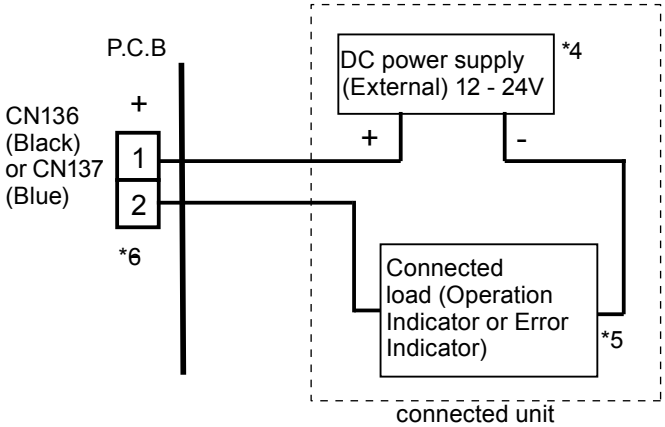
● Error display (Master unit only)

This output indicates the outdoor unit and connected indoor unit's "Normal" or "Error" status.

● Operation display (Master unit only)

This output indicates the outdoor unit's "Operation" status.

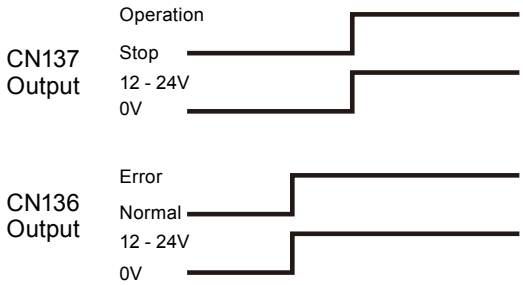
Connector	Output voltage	Status
CN136 (Black)	0V	Normal
	DC 12-24 V *4	Error
CN137 (Blue)	0V	Stop
	DC 12-24 V *4	Operation



*4: Provide a DC12 to 24V power supply. Select a power supply capacity with an ample surplus for the connected load.

*5: The allowable current is 30mA or less. Provide a load resistance such that the current becomes 30mA or less.

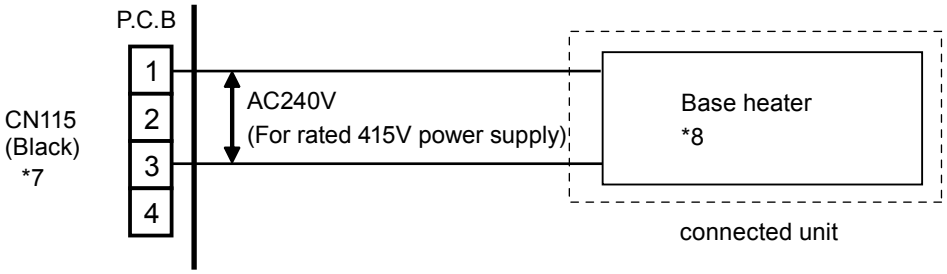
*6: Polarity is [+] for pin 1 and [-] for pin 2.
Connect correctly.
Do not impress a voltage exceeding 24V across pins 1-2.



A twisted pair cable (22AWG) shoud be used. Maximum length of cable is 150m.

● Base heater

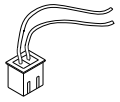
This output the signal when temperature goes down 2°C, and release at 4°C.



*7: Connect to pin 1 and pin 3. No connection pin2 and pin4.
*8: The allowable current is 1A or less.

■ PARTS

Following cord (service parts) is required. Please use the parts number shown below to order the cord from your sales representative.

Name and shapes	Q'ty	Parts No.
EXTERNAL INPUT WIRE 	1	9368777005

SYSTEM DESIGN

6-7-2. INDOOR UNIT (Compact Cassette type and Cassette type)

■ CONTROL INPUT (Start / Stop or Emergency stop)

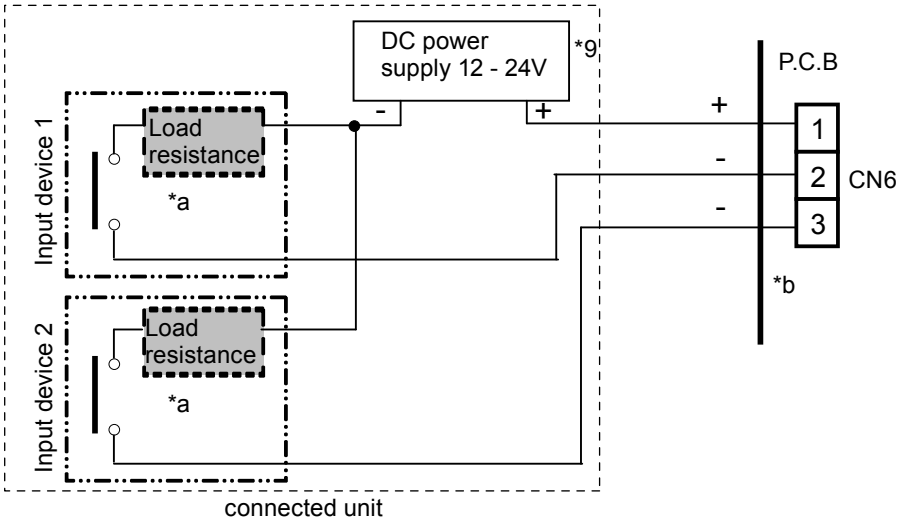
- Indoor unit can be Start/Stop or Emergency stop by using indoor unit PCB CN6 or CN17.
- "Start/Stop" mode or "Emergency stop" mode can be selected with function setting of indoor unit.
- A twisted pair cable (22AWG) shoud be used. Maximum length of cable is 150m.
- The wire connection should be separate from the power cable line.

● Input select

Use either one of these types of terminal according to the application. (Both types of terminals cannot be used simultaneously.)

●Voltage terminal ([CN6])

When a power supply must be provided at the input device you want to connect, use the voltage terminal ([CN6])



*9: Make the power supply DC12 to 24V. Select a power supply capacity with an ample surplus for the connected load.

Do not impress a voltage exceeding 24V across pins 1-2, and 1-3.

*a: The allowable current is DC10mA or less. (Recommended: DC5mA)

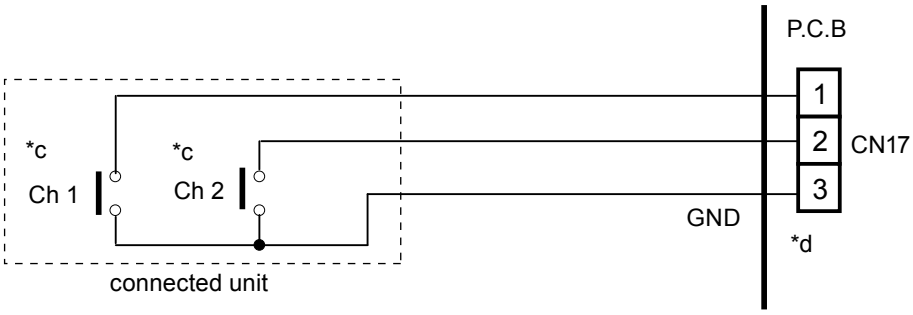
Provide a load resistance such that the current becomes DC10mA or less.

Select very low current use contacts (usable at DC12V, DC1mA or less).

*b: The polarity is [+] for pin 1 and [-] for pin 2 and 3. Connect correctly.

●No voltage terminal ([CN17])

When a power supply is unnecessary at the input device you want to connect, use the no voltage terminal ([CN17]).



*c: Select very low current use contacts (usable at DC12V, DC1mA or less).

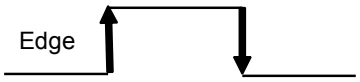
*d: The wiring is different from voltage terminals. Be sufficiently careful when wiring.

SYSTEM DESIGN

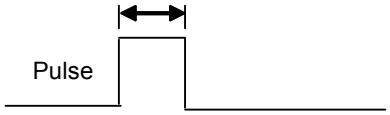
● Input signal type

The input signal type can be selected.

It is switched by Dip-Sw on the indoor unit PCB.



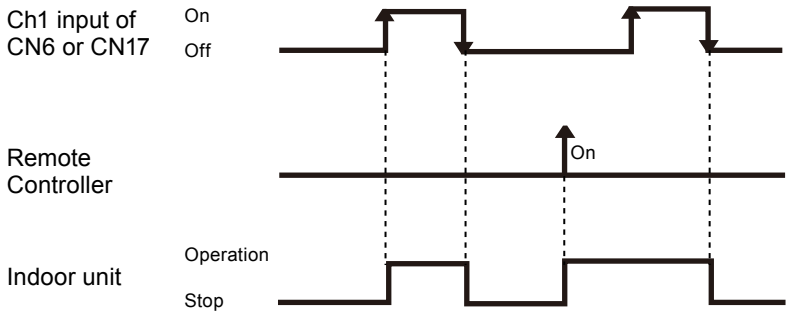
Dip-sw [Set 2-1]	Input signal type
OFF	Edge
ON	Pulse



● When function setting is "Start/Stop" mode

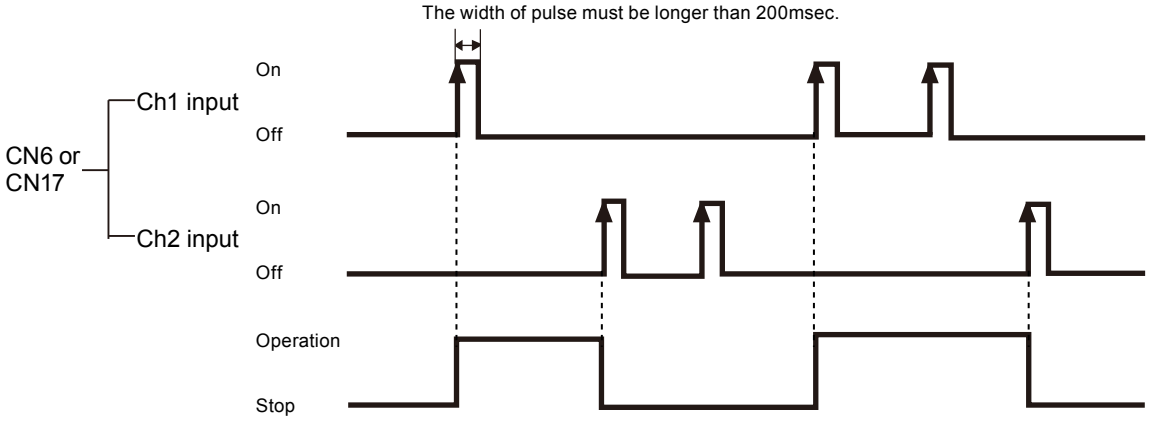
●In the case of "Edge" input

Connector	Input signal	Command
Ch1 of CN6 or CN17	OFF → ON	Operation
	ON → OFF	Stop



●In the case of "Pulse" input

Connector		Input signal	Command
CN6 or CN17	Ch1	OFF → ON	Operation
	Ch2	OFF → ON	Stop



NOTE :

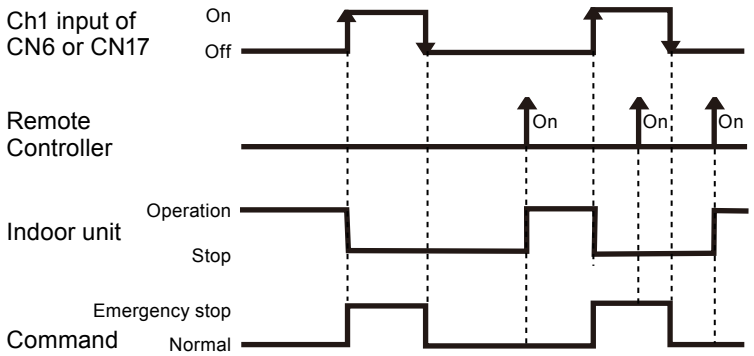
- The last command has priority.
- The indoor units within the same remote controller group operates in the same mode.

SYSTEM DESIGN

● When function setting is "Emergency stop" mode

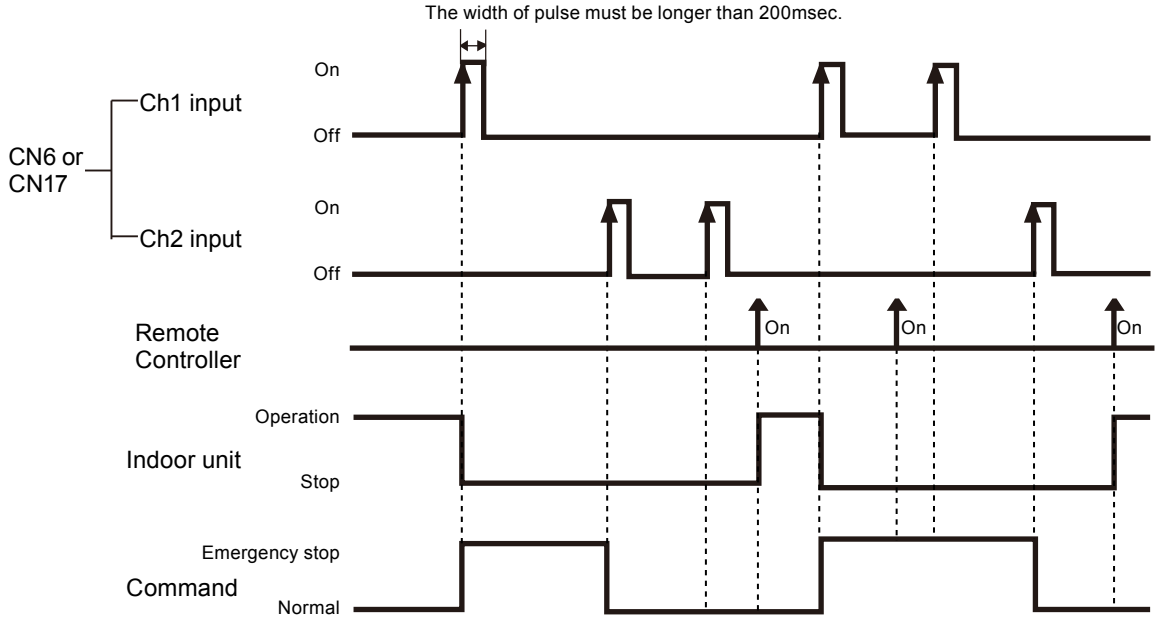
●In the case of "Edge" input

Connector	Input signal	Command
Ch1 of CN6 or CN17	OFF → ON	Emergency stop
	ON → OFF	Normal



●In the case of "Pulse" input

Connector		Input signal	Command
CN6 or CN17	Ch1	OFF → ON	Emergency stop
	Ch2	OFF → ON	Normal



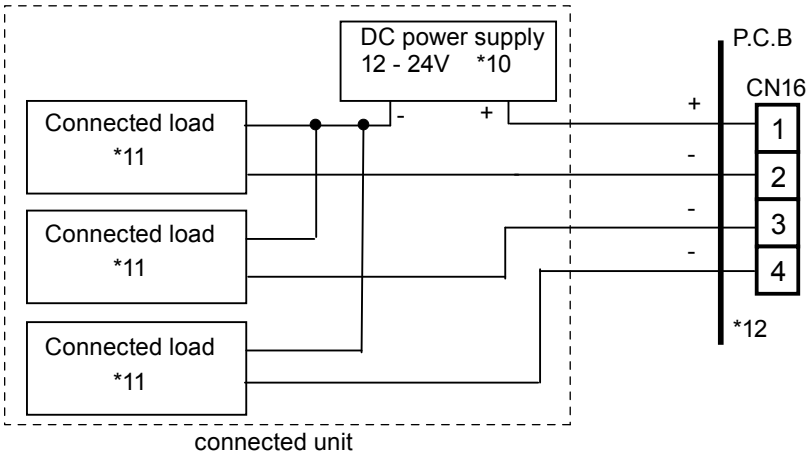
NOTE :

● All indoor units of same refrigerant system stops when Emergency stop operates.

SYSTEM DESIGN

■ OUTPUT

Connector		Output voltage	Status
CN16	External output1 Pins 1-2	0V	Stop
		DC 12-24 V *10	Operation
	External output2 Pins 1-3	0V	Normal
		DC 12-24 V *10	Error
	External output3 Pins 1-4	0V	Indoor unit fan stop
		DC 12-24 V *10	Indoor unit fan operation



*10: Provide a DC12 to 24V power supply. Select a power supply capacity with an ample surplus for the connected load.

*11: The allowable current is 30mA or less. Provide a load resistance such that the current becomes 30mA or less.

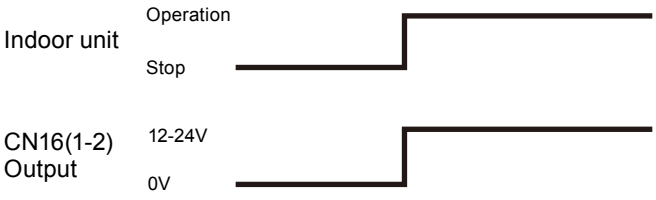
*12: Polarity is [+] for pin 1 and [-] for pins 2-4. Connect correctly.

Do not impress a voltage exceeding 24V across pins 1-2, 1-3, and 1-4.

●Operation status (External output1)

The output for CN16 (1-2) is ON when the indoor unit is operating.

The output is off when the unit is stopped.



●Error status (External output2)

The output for CN16(1-3) is ON when an error is generated for the indoor unit.

●Indoor unit status (External output3)

The output for CN16(1-4) is ON when the indoor unit fan is operating.

The output is off when the fan is stopped or during cold air prevention.

The output for CN16(1-4) is ON during DRY mode.

Ex) Used for inter lock energize for exhaust fan.

A twisted pair cable (22AWG) shoud be used. Maximum length of cable is 150m.

■ PARTS

Following cord (service parts) is required. Please use the parts number shown below to order the cord from your sales representative.

Usage	Name and shapes	Q'ty	Parts No.
For output port	External input wire	1	9379529006
For control input port	External input wire	1	9368779009

6-7-3. INDOOR UNIT (All Duct type and All Ceiling type)

■ CONTROL INPUT (Start / Stop or Emergency stop)

- Indoor unit can be Start/Stop or Emergency stop by using indoor unit PCB CN27.
- "Start/Stop" mode or "Emergency stop" mode can be selected with function setting of indoor unit.
- A twisted pair cable(22AWG) shoud be used. Maximum length of cable is 25m.
- The wire connection should be separate from the power cable line.
- Open circuit voltage : ≤ 5.25 (V).
- Short circuit current : ≤ 0.6 (mA).
- Short circuit detection resistance (R_{ON}) : ≤ 500 (ohm).
- Open circuit detection resistance (R_{OFF}) : ≥ 100 (kilo-ohm).

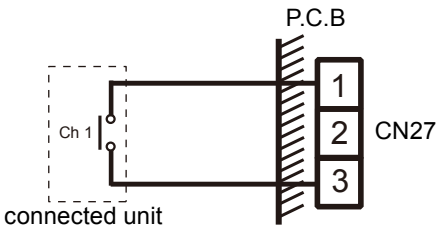
● Input signal type

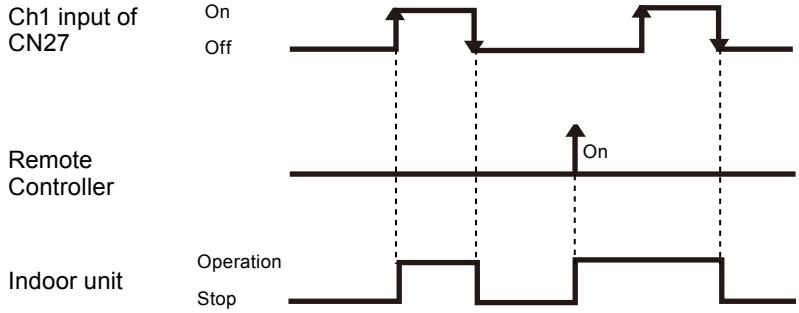
Dip-sw [Set 2-1]	Input signal type
OFF	Edge
ON	Pulse

● When function setting is "Start/Stop" mode

●In the case of "Edge" input

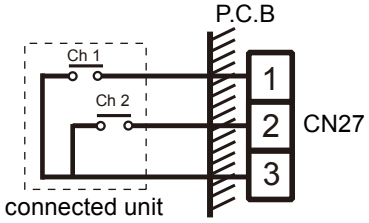
Connector	Input signal	Command
Ch1 of CN27	OFF → ON	Operation
	ON → OFF	Stop

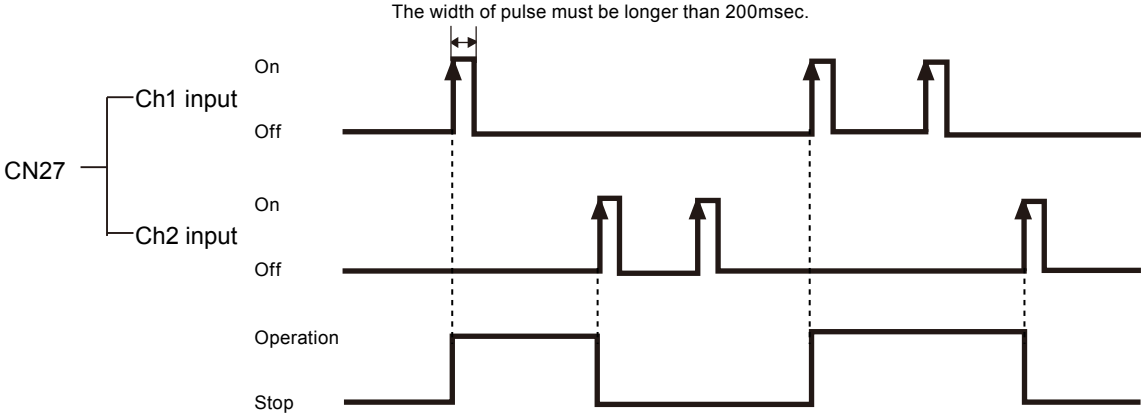




●In the case of "Pulse" input

Connector		Input signal	Command
CN27	Ch1	OFF → ON	Operation
	Ch2	OFF → ON	Stop





NOTE :

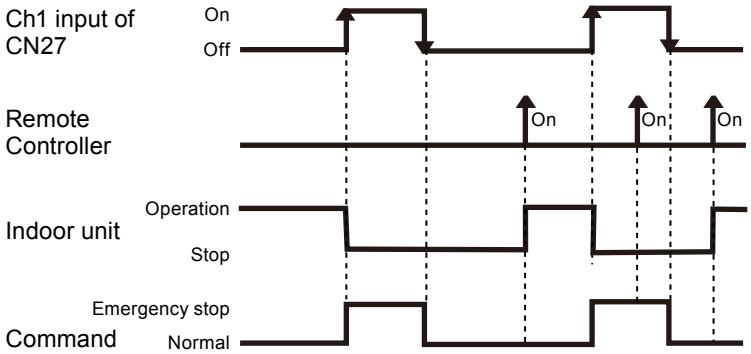
- The last command has priority.
- The indoor units within the same remote controller group operates in the same mode.

SYSTEM DESIGN

● When function setting is "Emergency stop" mode

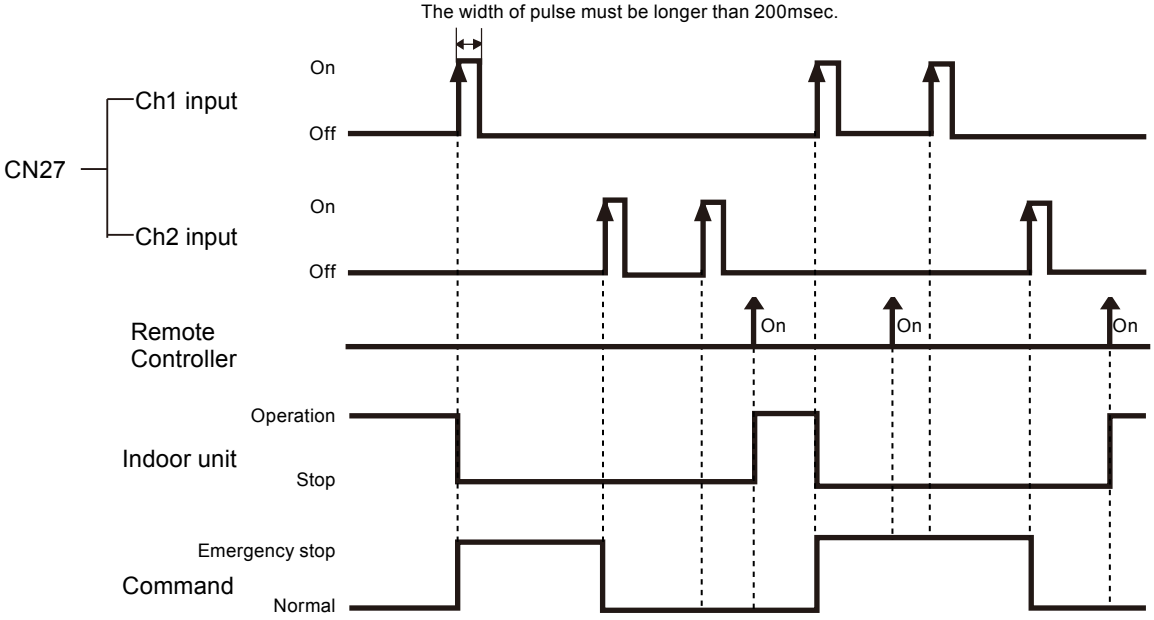
●In the case of "Edge" input

Connector	Input signal	Command
Ch1 of CN27	OFF → ON	Emergency stop
	ON → OFF	Normal



●In the case of "Pulse" input

Connector		Input signal	Command
CN27	Ch1	OFF → ON	Emergency stop
	Ch2	OFF → ON	Normal



NOTE :

● All indoor units of same refrigerant system stops when Emergency stop operates.

SYSTEM DESIGN

■ OUTPUT

Connector	Output voltage	Status
CN22	12V	Operation
	0V	Stop
CN23	12V	Error
	0V	Normal
CN24	12V	Indoor unit fan operation
	0V	Indoor unit fan stop

Output voltage : Hi DC12V ± 2V

Lo 0V

Permissible current : 15mA

A twisted pair cable (22AWG) shoud be used. Maximum length of cable is 25m.

●Operation status

The output for CN22 is ON when the indoor unit is operating.

The output is off when the unit is stopped.

●Error status

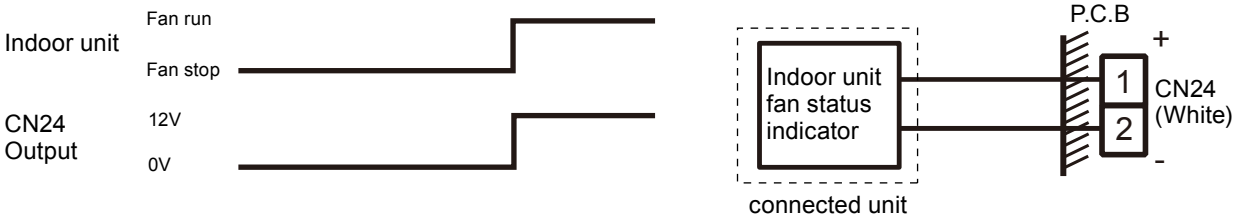
The output for CN23 is ON when an error is generated for the indoor unit.

●Indoor unit status

The output for CN24 is ON when the indoor unit fan is operating.

The output is off when the fan is stopped or during cold air prevention.

The output for CN24 is ON during DRY mode.



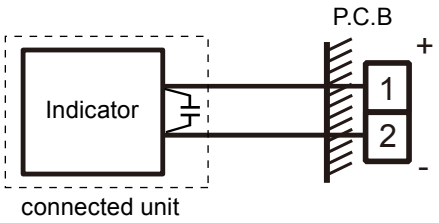
SYSTEM DESIGN

■ PARTS

Following cord (service parts) is required. Please use the parts number shown below to order the cord from your sales representative.

Usage	Name and shapes	Q'ty	Parts No.
For output port	External input wire	1	9368778002
For control input port	External input wire	1	9368779009

*If the external indicator has malfunction, due to noise please insert a ceramic capacitor (0.1μF 25V or more) near the input port of the equipment.



SYSTEM DESIGN

6-7-4. INDOOR UNIT (Compact Wall Mounted type)

■ CONTROL INPUT (Start / Stop or Emergency stop)

- Indoor unit can be Start/Stop or Emergency stop by using indoor unit PCB CN9.
- "Start/Stop" mode or "Emergency stop" mode can be selected with function setting of indoor unit.
- A twisted pair cable(22AWG) shoud be used. Maximum length of cable is 25m.
- The wire connection should be separate from the power cable line.
- Open circuit voltage : ≤ 5.25 (V).
- Short circuit current : ≤ 0.6 (mA).
- Short circuit detection resistance (R_{ON}) : ≤ 500 (ohm).
- Open circuit detection resistance (R_{OFF}) : ≥ 100 (kilo-ohm).

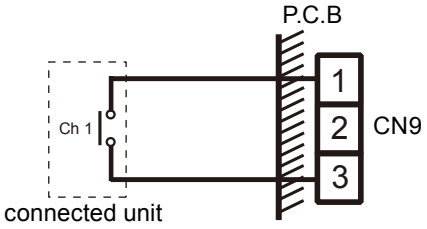
● Input signal type

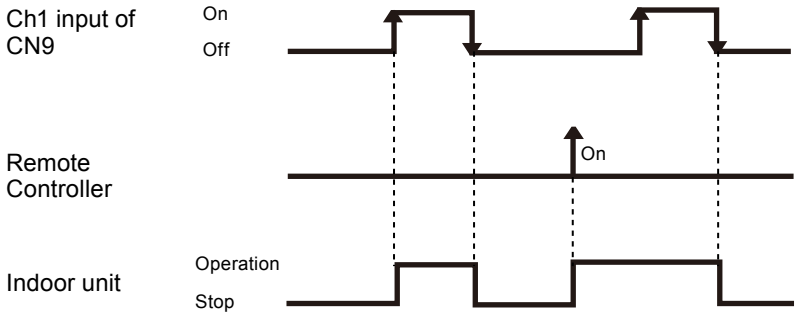
Dip-sw [Set 2-1]	Input signal type
OFF	Edge
ON	Pulse

● When function setting is "Start/Stop" mode

●In the case of "Edge" input

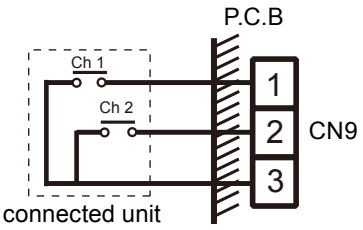
Connector	Input signal	Command
Ch1 of CN9	OFF → ON	Operation
	ON → OFF	Stop

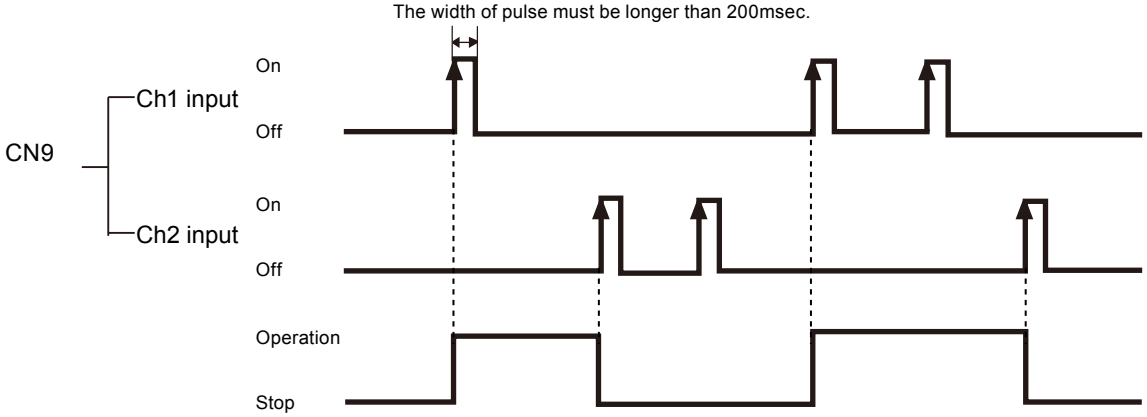




●In the case of "Pulse" input

Connector		Input signal	Command
CN9	Ch1	OFF → ON	Operation
	Ch2	OFF → ON	Stop





NOTE :

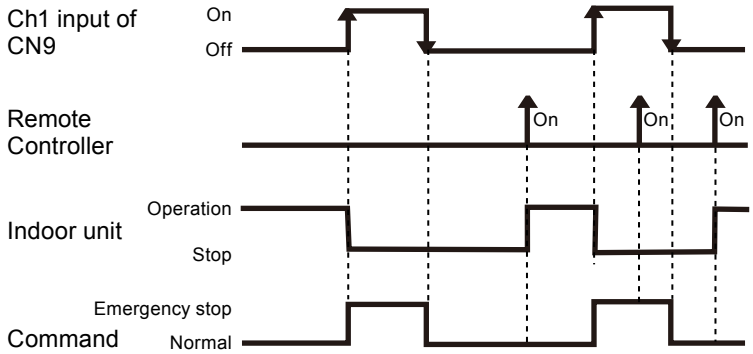
- The last command has priority.
- The indoor units within the same remote controller group operates in the same mode.

SYSTEM DESIGN

● When function setting is "Emergency stop" mode

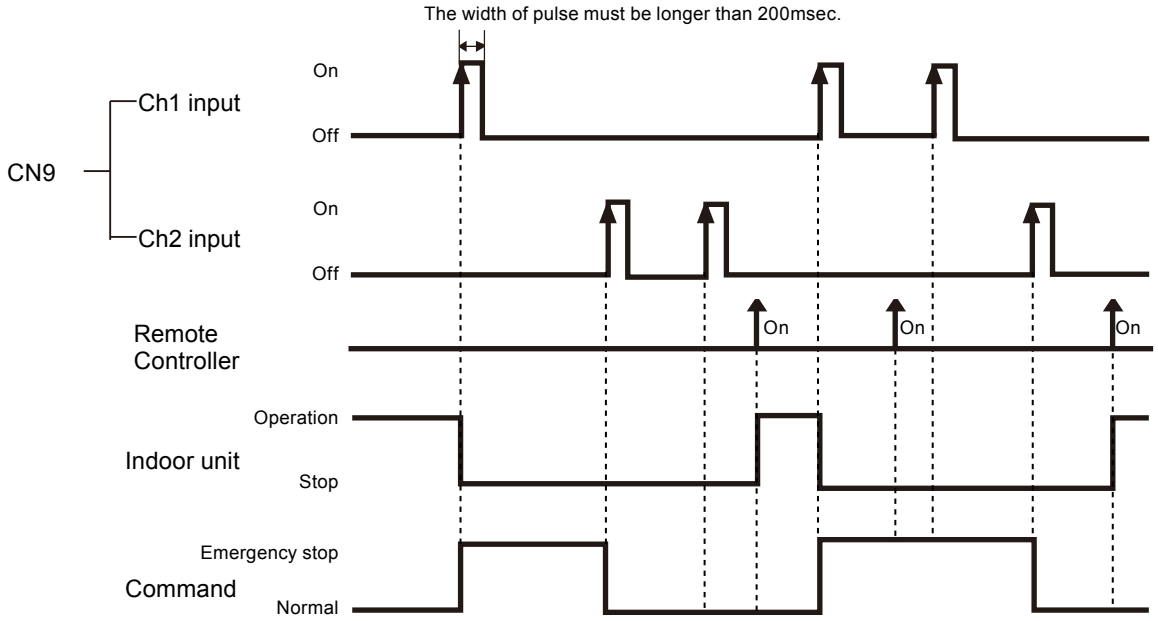
●In the case of "Edge" input

Connector	Input signal	Command
Ch1 of CN9	OFF → ON	Emergency stop
	ON → OFF	Normal



●In the case of "Pulse" input

Connector		Input signal	Command
CN9	Ch1	OFF → ON	Emergency stop
	Ch2	OFF → ON	Normal



NOTE :

● All indoor units of same refrigerant system stops when Emergency stop operates.

SYSTEM DESIGN

■ OUTPUT

Connector	Output voltage	Status
CN8	12V	Operation
	0V	Stop

Output voltage : Hi DC12V ± 2V

Lo 0V

Permissible current : 15mA

A twisted pair cable (22AWG) shoud be used. Maximum length of cable is 25m.

●Operation status

The output for CN8 is ON when the indoor unit is operating.

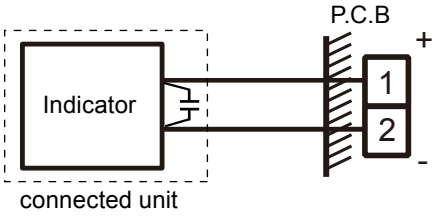
The output is off when the unit is stopped.

■ PARTS

Following cord (service parts) is required. Please use the parts number shown below to order the cord from your sales representative.

Usage	Name and shapes	Q'ty	Parts No.
For output port	External input wire	1	9368778002
For control input port	External input wire	1	9368779009

*If the external indicator has malfunction, due to noise please insert a ceramic capacitor (0.1μF 25V or more) near the input port of the equipment.



SYSTEM DESIGN

6-7-5. INDOOR UNIT (Wall Mounted type)

■ CONTROL INPUT (Start / Stop or Emergency stop)

- Indoor unit can be Start/Stop or Emergency stop by using indoor unit PCB CN21.
- "Start/Stop" mode or "Emergency stop" mode can be selected with function setting of indoor unit.
- A twisted pair cable(22AWG) shoud be used. Maximum length of cable is 25m.
- The wire connection should be separate from the power cable line.
- Open circuit voltage : ≤ 5.25 (V).
- Short circuit current : ≤ 0.6 (mA).
- Short circuit detection resistance (R_{ON}) : ≤ 500 (ohm).
- Open circuit detection resistance (R_{OFF}) : ≥ 100 (kilo-ohm).

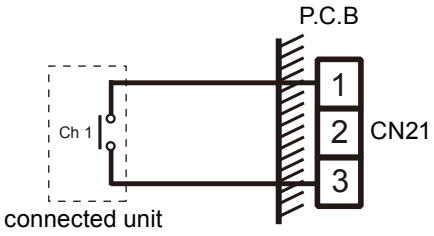
● Input signal type

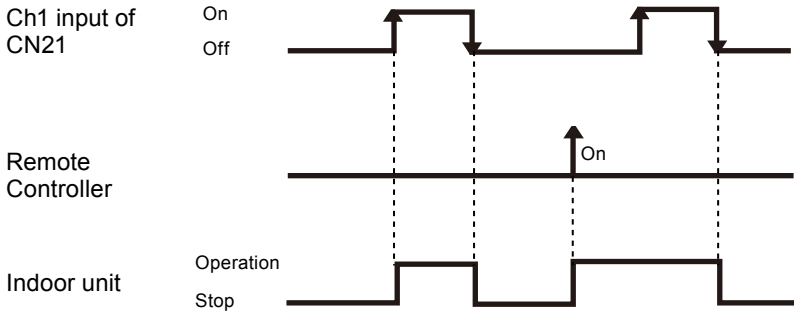
Dip-sw [Set 2-1]	Input signal type
OFF	Edge
ON	Pulse

● When function setting is "Start/Stop" mode

●In the case of "Edge" input

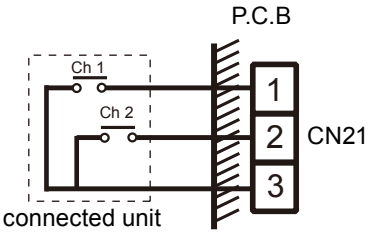
Connector	Input signal	Command
Ch1 of CN21	OFF → ON	Operation
	ON → OFF	Stop

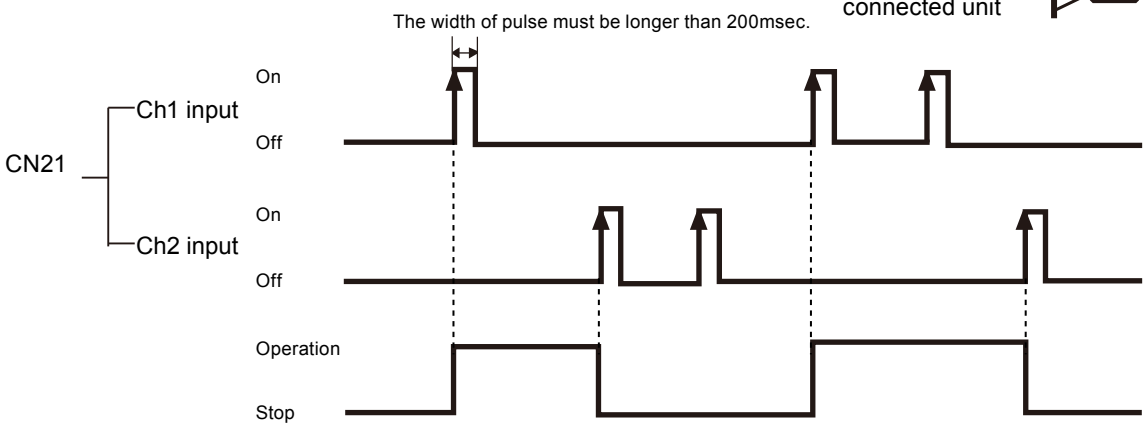




●In the case of "Pulse" input

Connector		Input signal	Command
CN21	Ch1	OFF → ON	Operation
	Ch2	OFF → ON	Stop





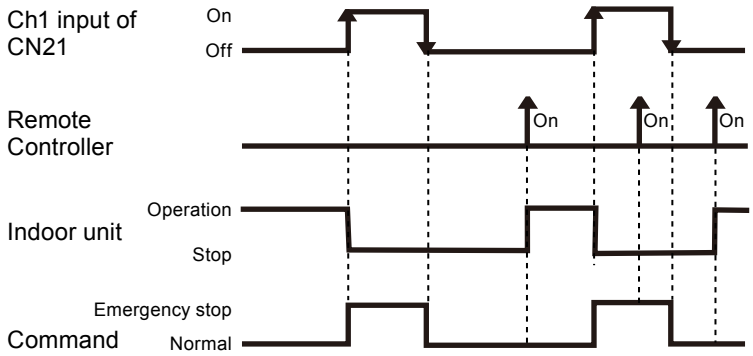
NOTE :

- The last command has priority.
- The indoor units within the same remote controller group operates in the same mode.

● When function setting is "Emergency stop" mode

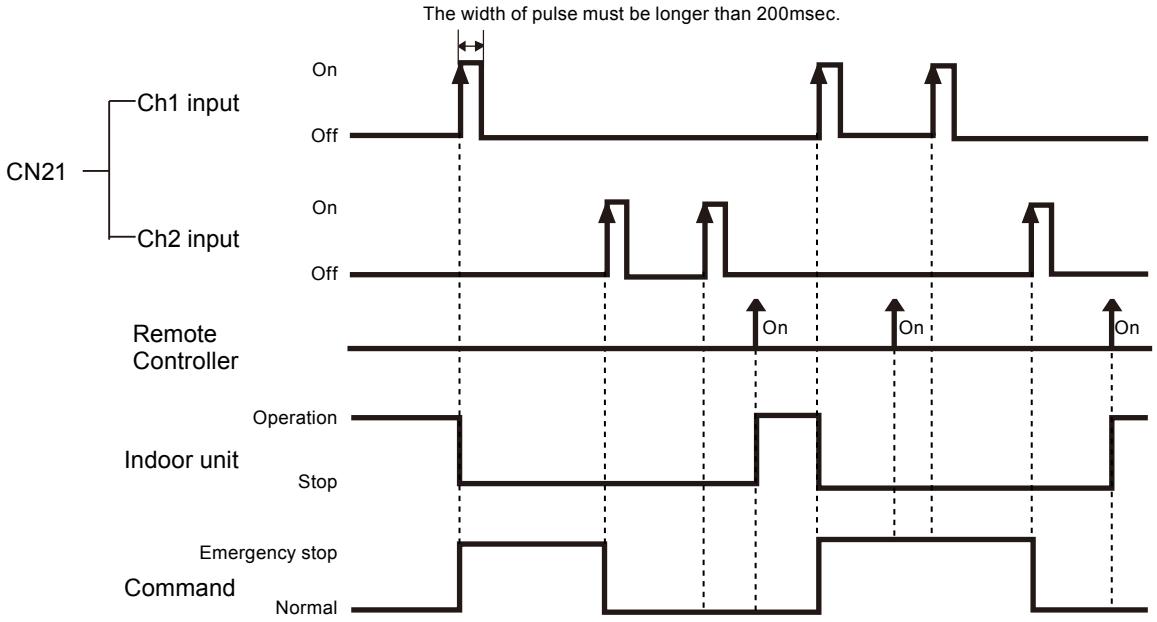
●In the case of "Edge" input

Connector	Input signal	Command
Ch1 of CN21	OFF → ON	Emergency stop
	ON → OFF	Normal



●In the case of "Pulse" input

Connector		Input signal	Command
CN21	Ch1	OFF → ON	Emergency stop
	Ch2	OFF → ON	Normal



NOTE :

● All indoor units of same refrigerant system stops when Emergency stop operates.

SYSTEM DESIGN

■ OUTPUT

Connector	Output voltage	Status
CN22	12V	Operation
	0V	Stop
CN23	12V	Error
	0V	Normal
CN24	12V	Indoor unit fan operation
	0V	Indoor unit fan stop

Output voltage : Hi DC12V ± 2V

Lo 0V

Permissible current : 15mA

A twisted pair cable (22AWG) shoud be used. Maximum length of cable is 25m.

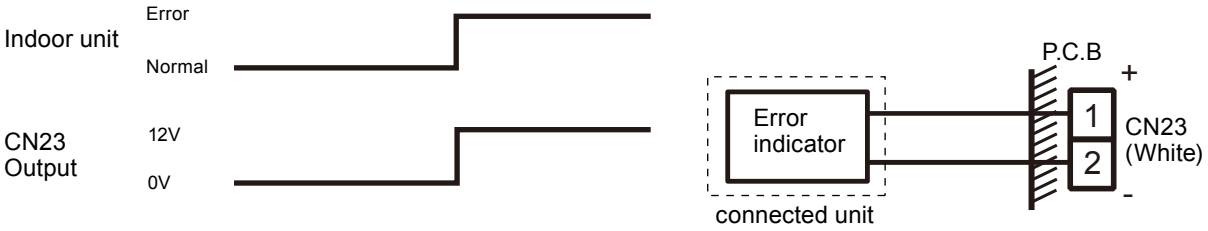
●Operation status

The output for CN22 is ON when the indoor unit is operating.

The output is off when the unit is stopped.

●Error status

The output for CN23 is ON when an error is generated for the indoor unit.

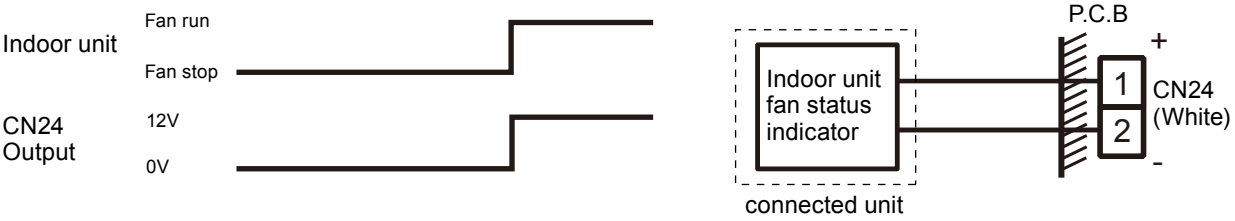


●Indoor unit status

The output for CN24 is ON when the indoor unit fan is operating.

The output is off when the fan is stopped or during cold air prevention.

The output for CN24 is ON during DRY mode.



SYSTEM DESIGN

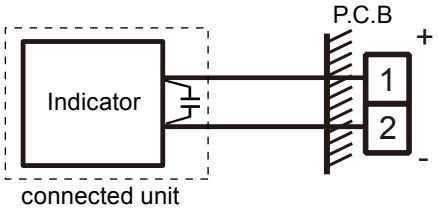
SYSTEM DESIGN

■ PARTS

Following cord (service parts) is required. Please use the parts number shown below to order the cord from your sales representative.

Usage	Name and shapes	Q'ty	Parts No.
For output port	External input wire	1	9368778002
For control input port	External input wire	1	9368779009

*If the external indicator has malfunction, due to noise please insert a ceramic capacitor (0.1μF 25V or more) near the input port of the equipment.



SYSTEM DESIGN

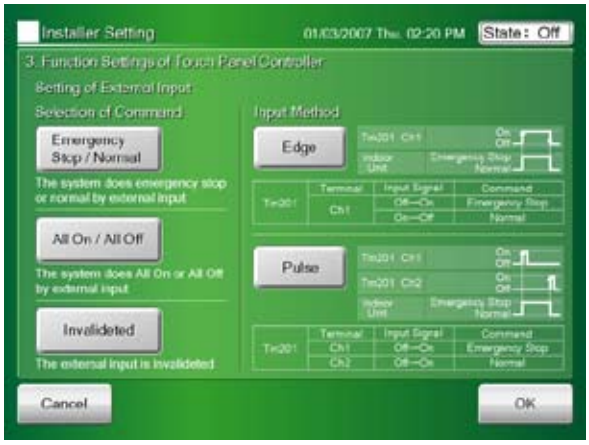
6-7-6. TOUCH PANEL CONTROLLER

■ CONTROL INPUT (Emergency stop or All on / All off)

Indoor units which are stored into Touch Panel Controller can be operated or stopped by P.C.B TM201

● Input select

Use either one of these types of terminal according to the application. (Both types of terminals cannot be used simultaneously.)



Please see more detail of selection setting by operation manual of Touch Panel Controller.

It is possible to switch to the no voltage terminal or the voltage terminal by connecting the CN201 on the TM201 printed circuit board to the CN411 or the CN412 on the printed circuit board of the panel side.

* The no voltage terminal (connected to the CN411) is set when shipped from the factory.

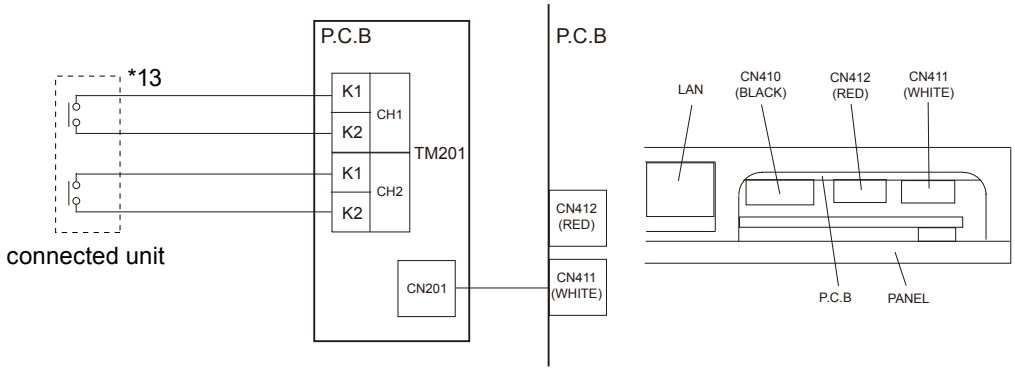
TM201 - K1, K2	Connect with the CN201
No voltage terminal	CN411
Voltage terminal	CN412

SYSTEM DESIGN

SYSTEM DESIGN

●No voltage terminal TM201 (CN411)

When a power supply is unnecessary at the input device you want to connect, use the no voltage terminal TM201 (CN411).

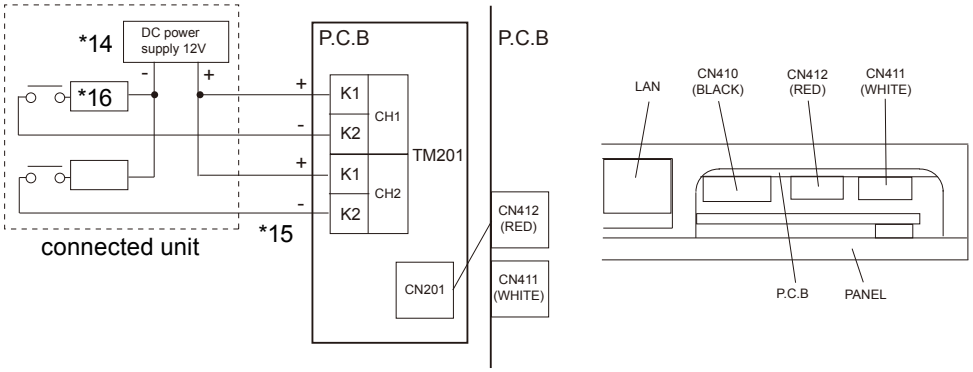


*13 : Short circuit detection resistance (R_{ON}) : ≤ 500 (ohm).
Open circuit detection resistance (R_{OFF}) : ≥ 100 (kilo-ohm).
A twisted pair cable(22AWG) shoud be used. Maximum length of cable is 25m.

●Voltage terminal TM201 (CN412)

When a power supply must be provided at the input device you want to connect, use the voltage terminal TM201 (CN412).

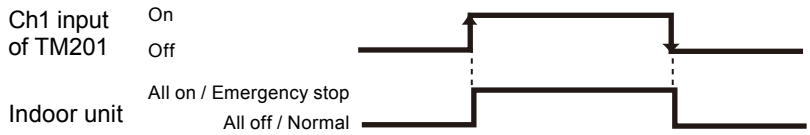
*A twisted pair cable(22AWG) shoud be used. Maximum length of cable is 25m.



*14 : Make the power supply DC12V.
*15 : Do not impress a voltage exceeding 12V across pins K1, and K2.
*16 : The allowable current is 10mA or less (Recommended : DC5mA).

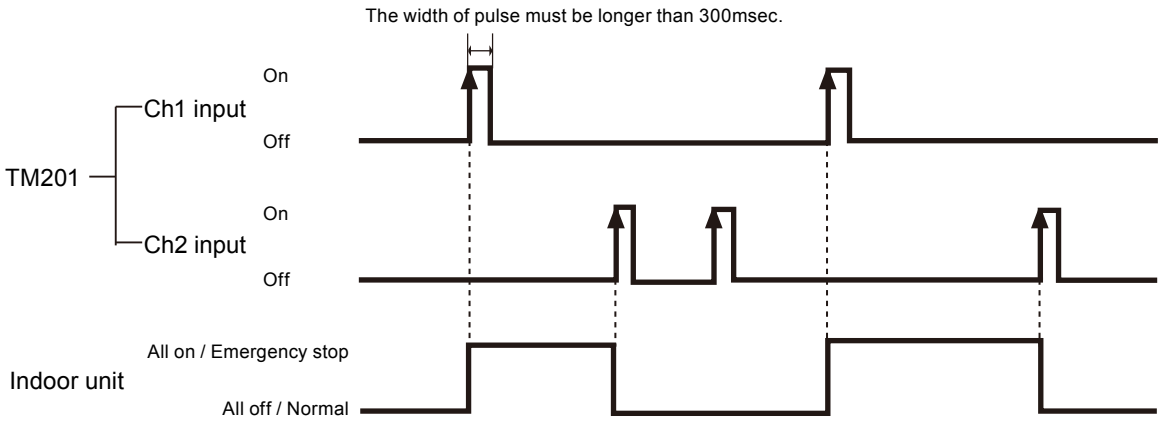
●In the case of "Edge" input

Connector	Input signal	Command
Ch1 of TM201	OFF → ON	All on / Emergency stop
	ON → OFF	All off / Normal



●In the case of "Pulse" input

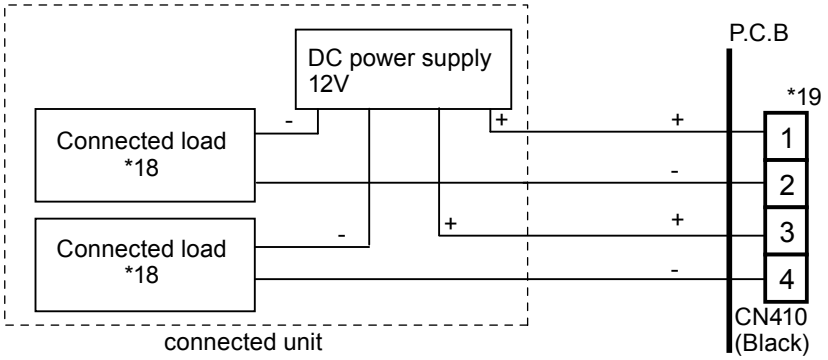
Connector		Input signal	Command
TM201	Ch1	OFF → ON	All on / Emergency stop
	Ch2	OFF → ON	All off / Normal



SYSTEM DESIGN

■ OUTPUT

Connector		Output voltage	Status
CN410 (Black)	Ch1	0V	All of indoor units "Stop"
	Pins1-2	DC12V *17	At least one more indoor units "Operation"
	Ch2	0V	Normal
	Pins3-4	DC12V *17	Error



*17: Provide a DC12V power supply. Select a power supply capacity with an ample surplus for the connected load.
Do not impress a voltage exceeding 12V across pins 1-2, and 3-4

*18: The allowable current is DC15mA or less. Provide a load resistance such that the current becomes DC15mA or less.

*19: Polarity is [+] for pins 1,3 and [-] for pins 2-4.

●Operation status (External output1)

The output for CN410(1-2) is ON when at least one more indoor units is operating.
The output is OFF when all of indoor units is stopped.

●Error status (External output2)

The output for CN410(3-4) is ON when Error of at least one more indoor or outdoor units is generated.

■ PARTS

Following cord (service parts) is required. Please use the parts number shown below to order the cord from your sales representative.

Name and shapes	Q'ty	Parts No.
External output wire	1	9379529006

SYSTEM DESIGN

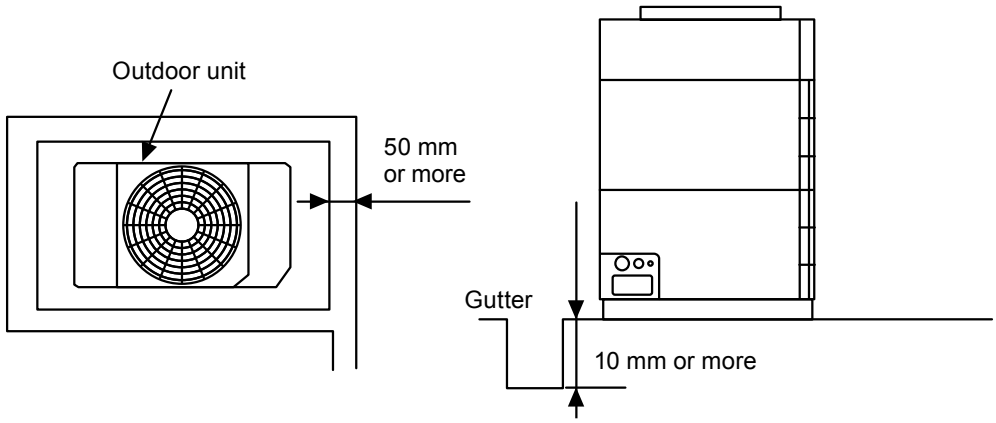
6-8. DRAIN CONNECTION

6-8-1. OUTDOOR UNIT

- The drain water is discharged from the bottom of the equipment. Construct a drain ditch around the base and discharge the drain water properly.
- When installing on a roof, perform floor waterproofing properly.

⚠ CAUTION

- The drain water from the base of the outdoor unit may generate during operations.
- Perform drain processing, as necessary.
- When you want to prevent the drain water from leaking at the perimeter, construct a ditch for the drain water as shown in the figure below.
- Provide a central drain pan, as necessary



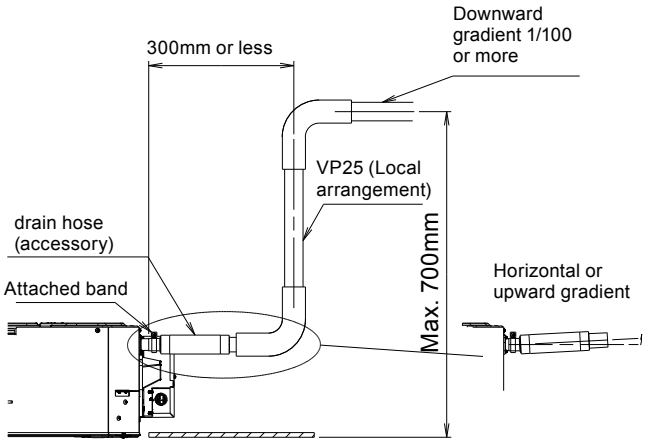
SYSTEM DESIGN

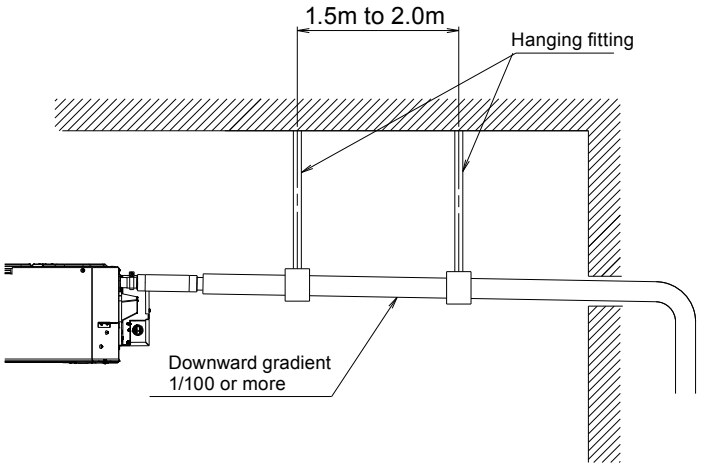
6-8-2. INDOOR UNIT

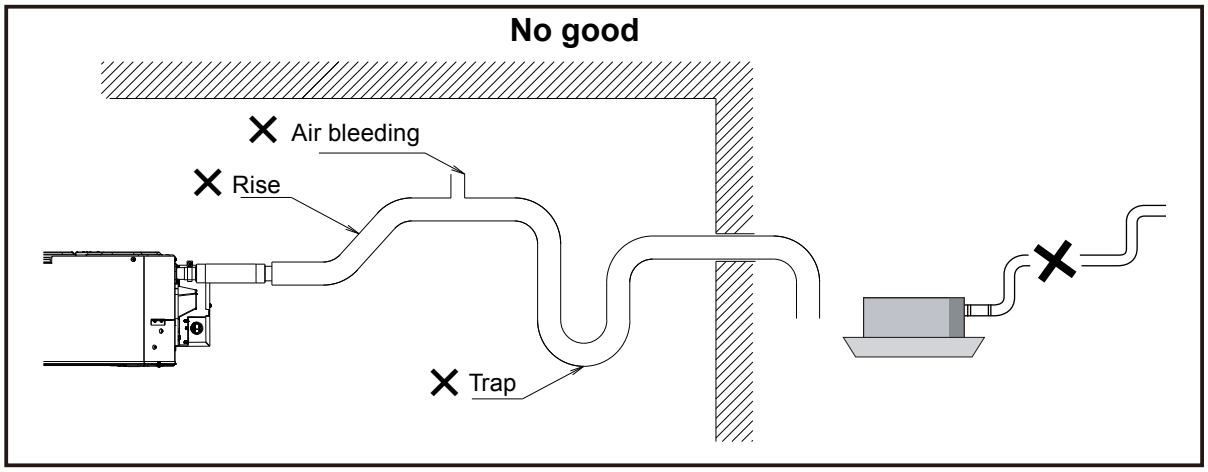
■ GENERAL RULES OF DRAIN PROCESS

- Install the drain pipe with downward gradient (1/100 or more) and so there are no rises in the pipe.
- Use general hard polyvinyl chloride pipe (VP25) and connect it with adhesive (polyvinyl chloride) so that there is no leakage.
- Support the drain pipe with supporters each 1.5 to 2m.
- Do not perfrom air bleeding.
- Always heat insulate the indoor side of the drain pipe.
- When connecting the drain hose to the indoor unit, use the accessory band. (Except compact wall mounted type and wall mounted type)

■ COMPACT CASSETTE TYPE



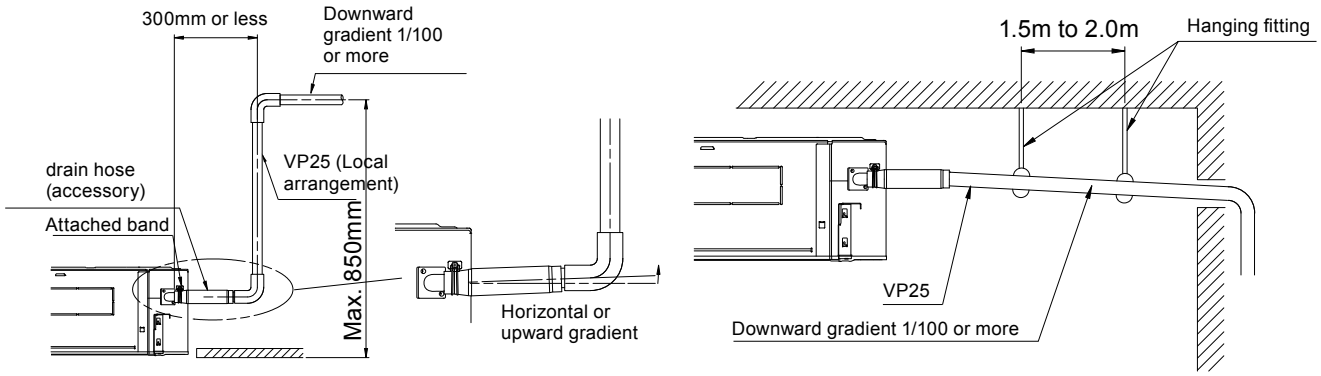


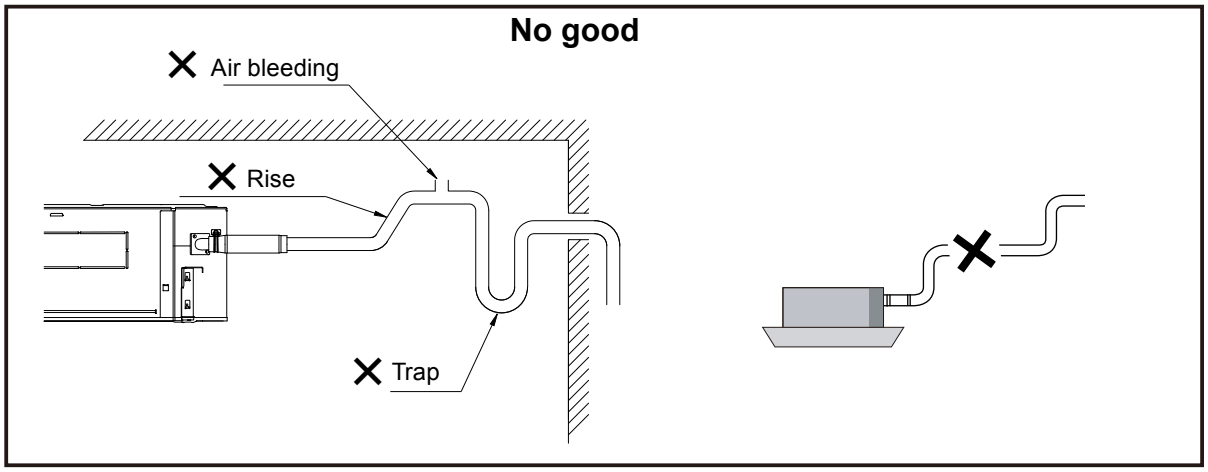


- Drain lift-up pipe restrictions:
  (1) Lift-up height ≤ 700mm (from ceiling)
  (2) Drain hose (pipe) length ≤ 300mm (between indoor unit and lift-up pipe)
- When a dimensions exceed the above restrictions will cause water leakage.

SYSTEM DESIGN

■ CASSETTE TYPE





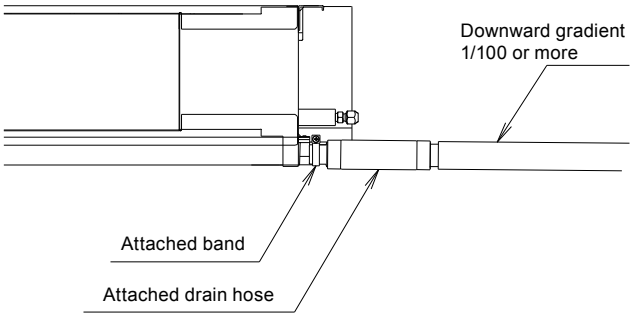
- Drain lift-up pipe restrictions:
  (1) Lift-up height ≤ 850mm (from ceiling)
  (2) Drain hose (pipe) length ≤ 300mm (between indoor unit and lift-up pipe)
- When a dimensions exceed the above restrictions will cause water leakage.

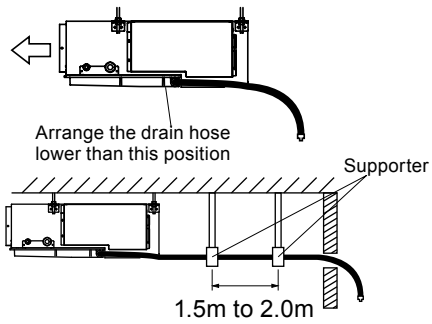
SYSTEM DESIGN

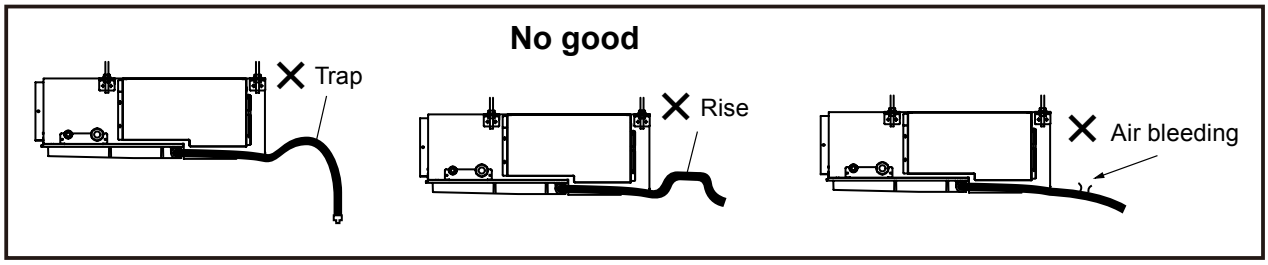
SYSTEM DESIGN

■ COMPACT DUCT TYPE

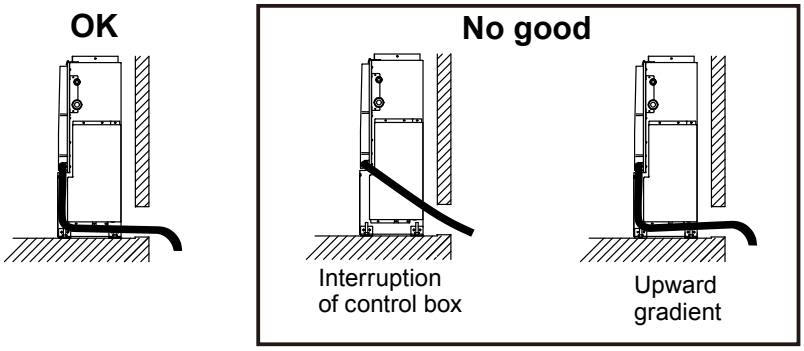
● Ceiling concealed setting







● Floor standing concealed setting



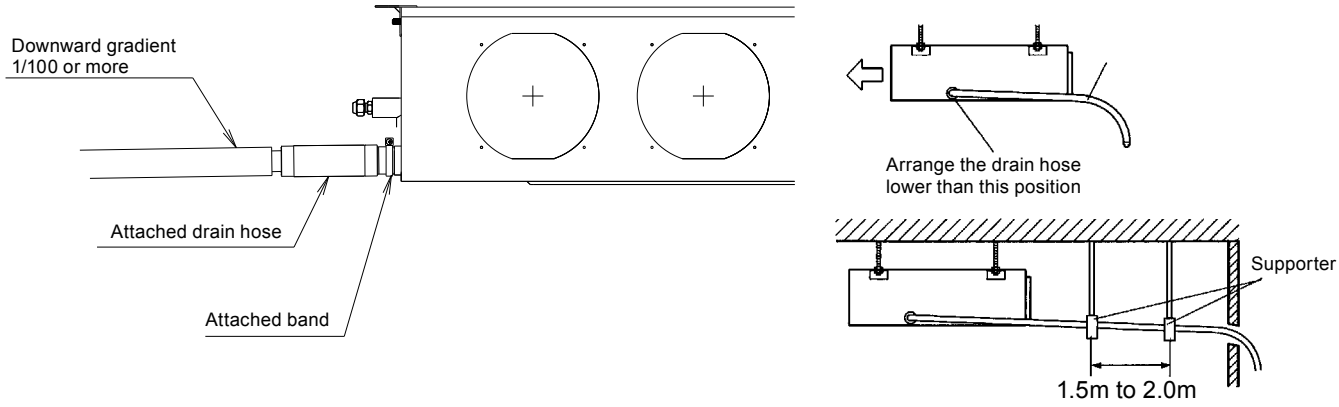
⚠ CAUTION

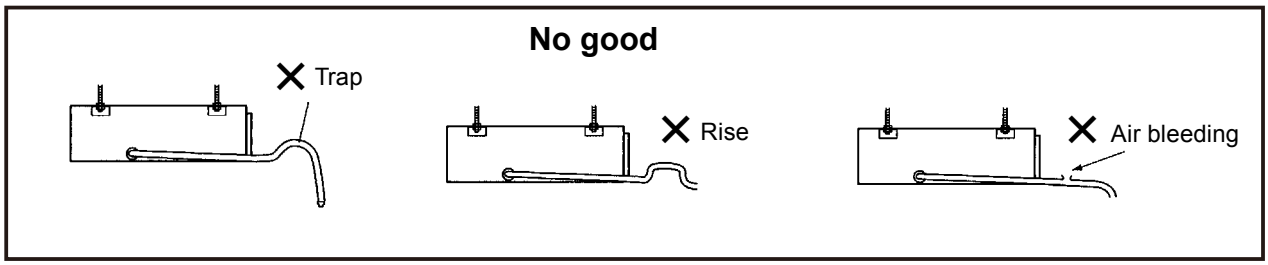
- Connect the drain hose so that the control box cover can easily be removed for servicing when necessary.
- In order to prevent water from leaking into the control box, make sure that the piping is well insulated.
- After finishing the piping, the drain hose installation and the wiring, seal the holes in the wall.

SYSTEM DESIGN

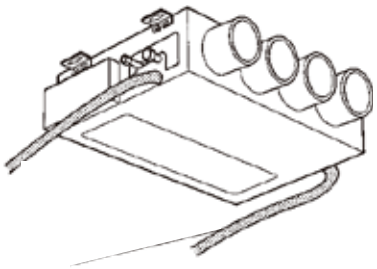
SYSTEM DESIGN

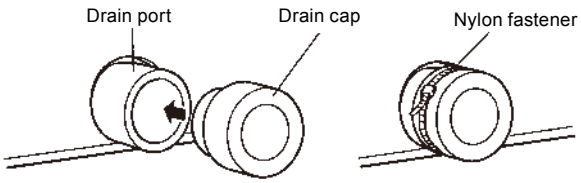
■ LOW STATIC PRESSURE DUCT TYPE / DUCT TYPE





There is a drain port on the left and right sides. Select the drain port to match the local conditions.





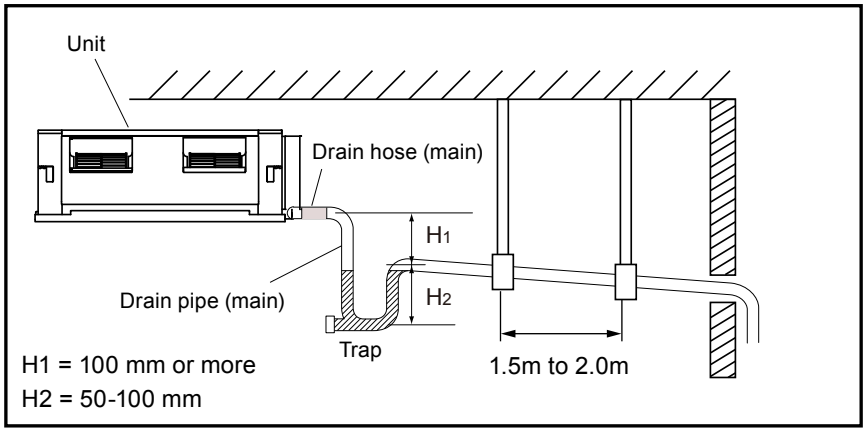
⚠ CAUTION

- Always check that the drain cap is installed to the unused drain port and is fastened with the nylon fastener.
- If the drain cap is not installed, or is not sufficiently fastened by the nylon fastener, water may drip during the cooling operation.

SYSTEM DESIGN

■ HIGH STATIC PRESSURE DUCT TYPE

● Main drain pipe



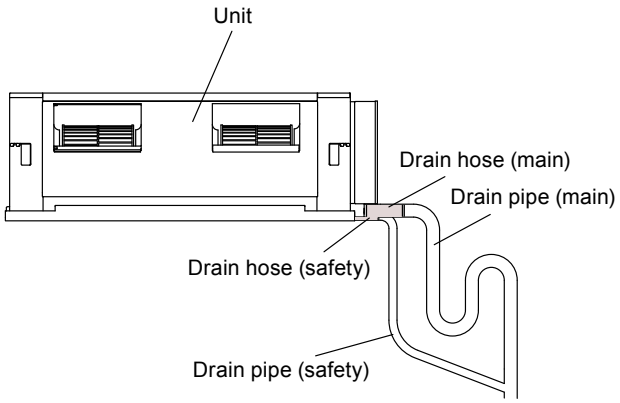
- Be sure to provide a drain trap for each indoor units.
- A trap will have no effect if positioned after the flows from multiple indoor units have joined together.
- The position of the installed drain hose should have a downward gradient of (1/100 or more).
- Make sure that the drain hose is installed without rises.
- Make the trap near to the indoor unit, Position the trap in a location where it can be cleaned.

● Safety drain pipe

There is no need to provide a trap for the safety drain pipe. If the safety drain pipe is connected

to the main drain pipe, make the connection below the trap on the main drain pipe.

Once installation is complete, check the flow of the drain water.

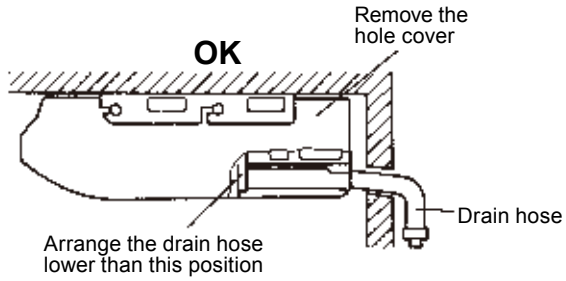


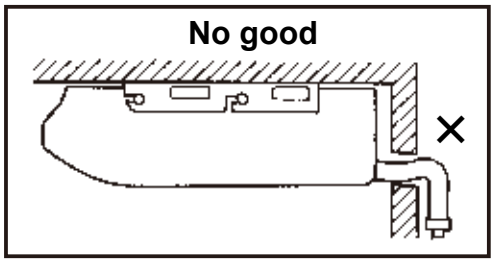
SYSTEM DESIGN

SYSTEM DESIGN

■ FLOOR / CEILING TYPE

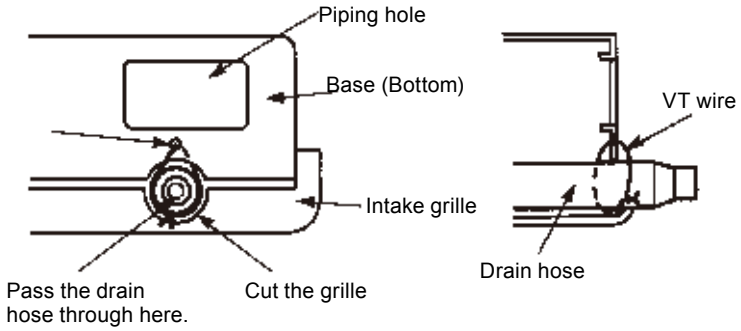
● Under ceiling setting



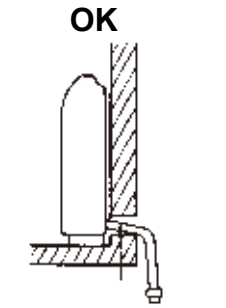


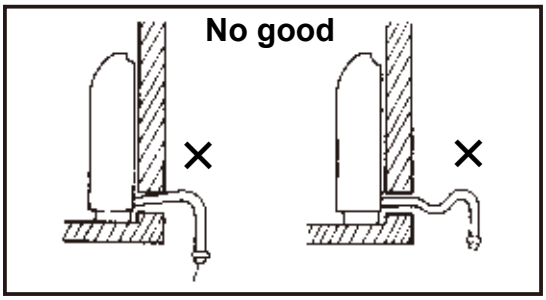
When drain hose is arranged backward.

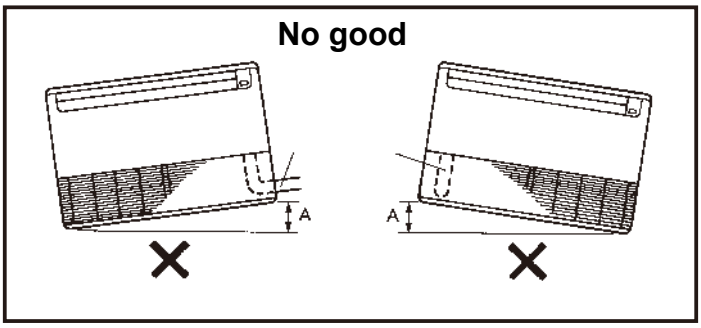
Secure the drain hose with the VT wire.



● Floor console setting



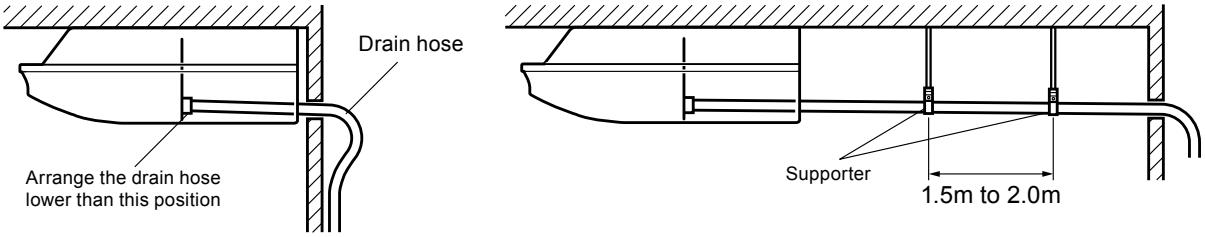


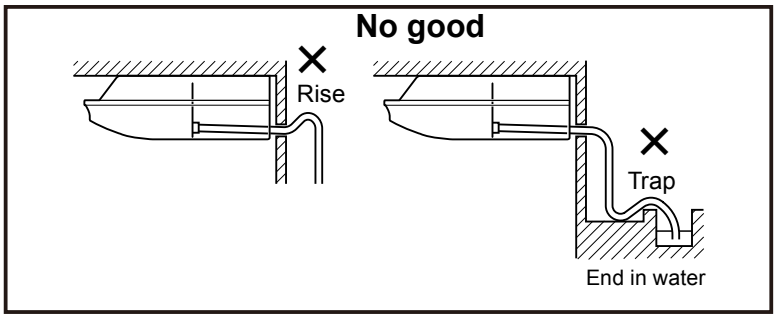


- Do not install the unit so that the drain hose side is too high.
- Height A should be less than 5mm.

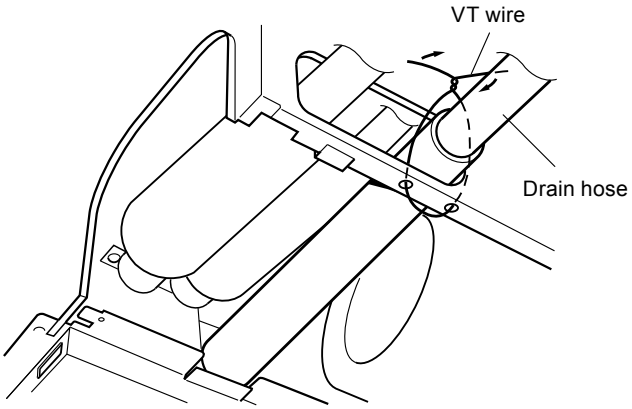
SYSTEM DESIGN

■ CEILING TYPE





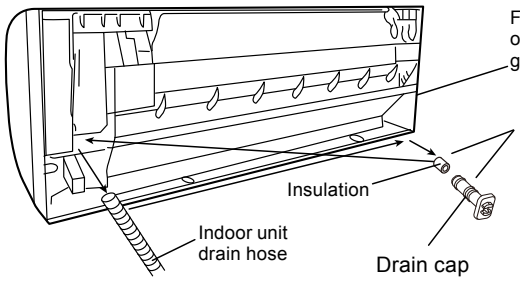
Fasten the drain pipe with VT wire so that the pipe slopes correctly within the indoor unit .

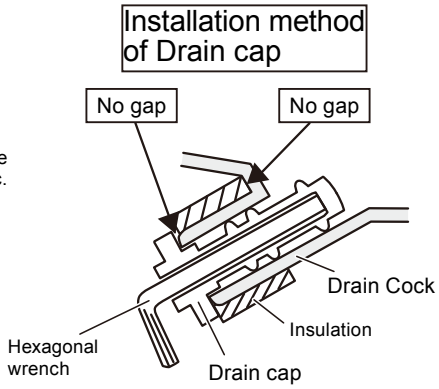


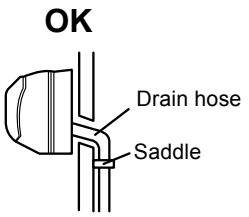
Indoor unit (rear view)

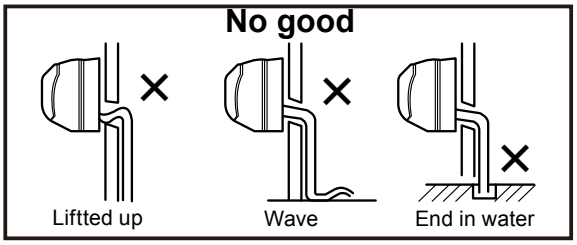
SYSTEM DESIGN

■ COMPACT WALL MOUNTED TYPE

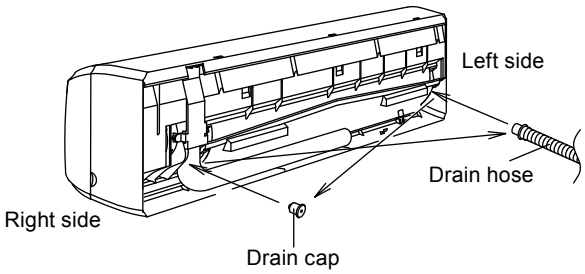


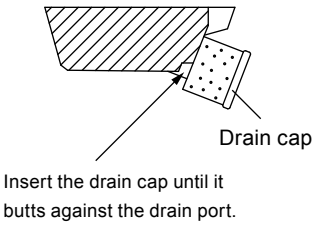


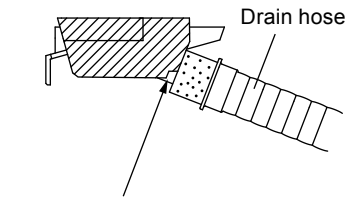


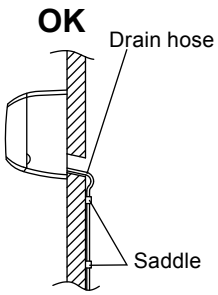


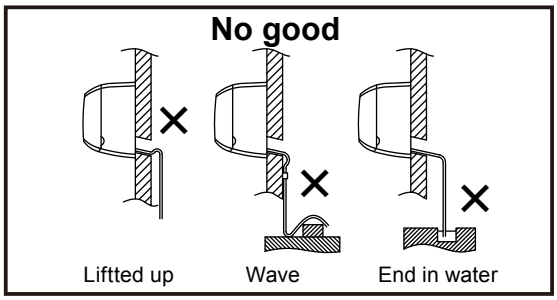
■ WALL MOUNTED TYPE







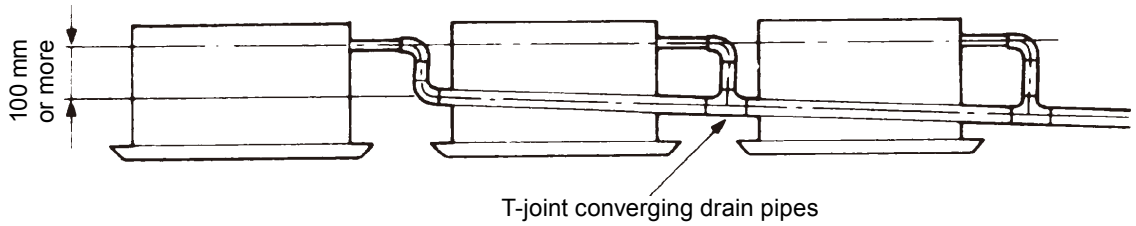


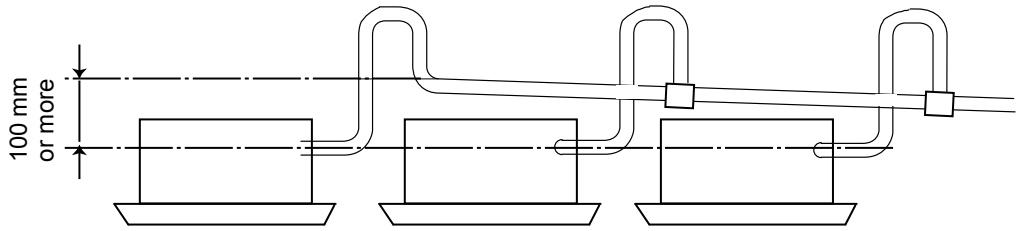


SYSTEM DESIGN

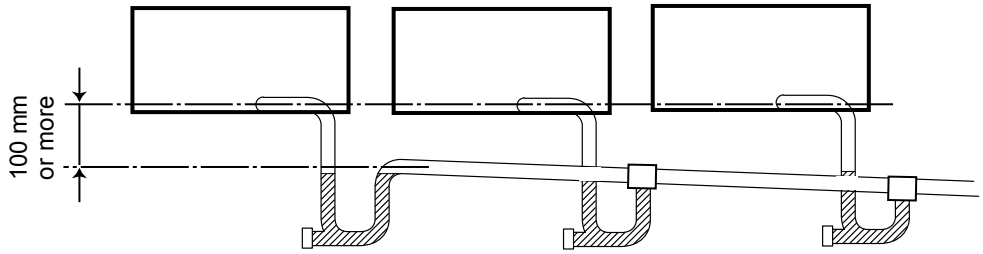
■ CENTRAL DRAIN PROCESS

When converging multiple drain pipes , install according to the procedure shown below.





For High static pressure duct type

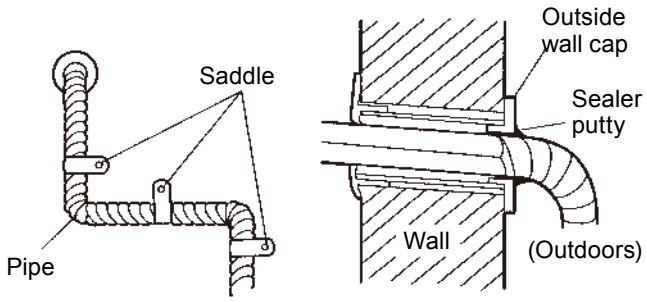


Select converging drain pipes whose diameter is suitable for the operating capacity of the unit.

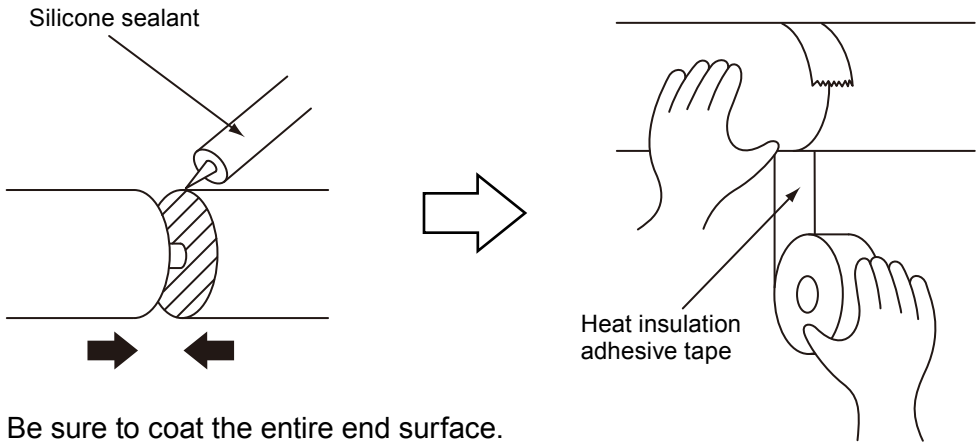
SYSTEM DESIGN

■ DRAIN INSULATION

- Please confirm water flows into Drain pan of the indoor unit, and drain is done normally when the connection of Drain hose is completed.
- Please check whether there is water leak part in the Drain piping.
- Please insulate it from heat by the heat insulator of enough thickness so that there is no dewy when the confirmation ends.
- Fix the drain pipe on to the wall with saddle.



- After put out Drain hose from the wall, please cover the space with the putty etc.



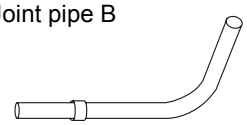
- Be sure to coat the entire end surface.
  If there is a gap it could cause condensation

SYSTEM DESIGN

6-9. STANDARD ACCESSORIES

6-9-1. OUTDOOR UNIT

The following installation parts are supplied. Use them as required.
Do not discard any accessories until the installation work has been completed.

Name and shape	Q'ty	Application
Specifications manual	1	
Installation manual	1	
Joint pipe A	1	For connecting the gas pipe (Straight type)
Joint pipe B 	1	For connecting the gas pipe (L type)

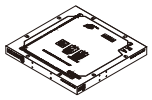
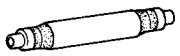
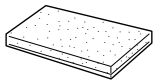
Name and shape	Q'ty	Application
Binder	9	For binding power cable and transmission cable

SYSTEM DESIGN

6-9-2. INDOOR UNIT

■ COMPACT CASSETTE TYPE

INDOOR UNIT ACCESSORIES

Name and shape	Q'ty	Application
Operating manual	1	
Installation manual	1	
Binder (Large)	4	For fixing the connection pipe (Large and Small)
Binder (Medium)	4	For power supply and transmission, remote control cable binding.
Coupler heat insulation (Small)	1	For indoor side pipe joint (Liquid pipe)
Coupler heat insulation (Large)	1	For indoor side pipe joint (Gas pipe)
Special nut A (Large flange)	4	For installing indoor unit
Special nut B (Small flange)	4	For installing indoor unit
Template (Carton top) 	1	For cealing openings cutting Also used as packing
Drain hose 	1	For installing drain pipe
Hose band	1	For installing drain hose
Drain hose insulation 	1	For installing drain pipe

DECORATION PANEL ACCESSORIES

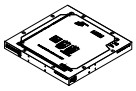
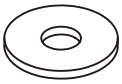
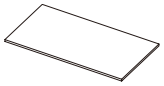
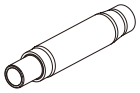
Name and shape	Q'ty	Application
Connector cover	1	For covering connector
Tapping screw (M5 × 12mm)	4	For mounting decoration panel
Tapping screw (M4 × 12mm)	1	For mounting connector cover

SYSTEM DESIGN

SYSTEM DESIGN

■ CASSETTE TYPE

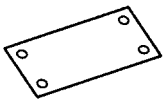
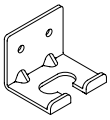
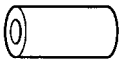
Name and shape	Q'ty	Application
Operating manual	1	
Installation manual	1	
Binder (Large)	4	For fixing the connection pipe (Large and Small)
Binder (Medium)	4	For power supply and transmission, remote control cable binding.
Coupler heat insulation (Small)	1	For indoor side pipe joint (Liquid pipe)
Coupler heat insulation (Large)	1	For indoor side pipe joint (Gas pipe)

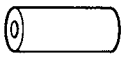
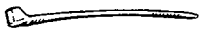
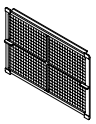
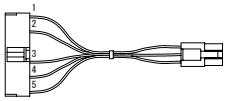
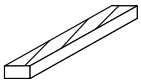
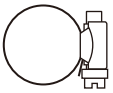
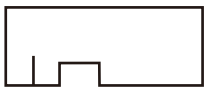
Name and shape	Q'ty	Application
Template (Carton top) 	1	For installing indoor unit.
Washer 	8	For installing indoor unit
Insulation 	1	For installing drain pipe
Drain Hose Assy 	1	For installing drain pipe
Hose Band Assy	1	For installing drain pipe
Drain Pipe Insulation	1	For installing drain pipe

SYSTEM DESIGN

SYSTEM DESIGN

■ COMPACT DUCT TYPE

Name and shape	Q'ty	Application
Operating manual	1	
Installation manual	1	
Installation template 	1	For positioning the indoor unit
Hanger 	4	For suspending the indoor unit
Tapping screw (M4 x 10mm)	8	For installing the hanger
Special nut A (Large flange)	4	For suspending the indoor unit from ceiling
Special nut B (Small flange)	4	For suspending the indoor unit from ceiling. For fixing the indoor unit on the floor.
Coupler heat insulation (Large) 	1	For indoor side pipe joint (Gas pipe)

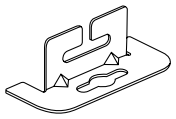
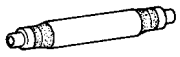
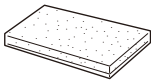
Name and shape	Q'ty	Application
Coupler heat insulation (Small) 	1	For indoor side pipe joint (Liquid pipe)
Binder 	Medium 3	For power supply and transmission and remote control cable binding.
	Large 4	For fixing the coupler heat insulation.
Filter 	2 (AR7/9)	
	3 (AR12 /14/18)	
Wire 	1	Use for static pressure under 25 Pa.
Insulation (outlet) 	Small 2	For outlet flange
	Large 2	
Joint hose	1	For connecting the drain pipe
Band 	1	For fixing the joint hose
Drain hose insulation B 	1	To insulate the joint hose

SYSTEM DESIGN

SYSTEM DESIGN

■ LOW STATIC PRESSURE DUCT TYPE / DUCT TYPE

Name and shape	Q'ty	Application
Operating manual	1	
Installation manual	1	
Binder (Large)	5	For fixing the connection pipe (Large and Small) and drain cap
Binder (Medium)	4	For power supply and transmission, remote control cable binding
Coupler heat insulation (Small)	1	For indoor side pipe joint (Liquid pipe)
Coupler heat insulation (Large)	1	For indoor side pipe joint (Gas pipe)

Name and shape	Q'ty	Application
Special nut A (Large flange)	4	For suspending the indoor unit from ceiling
Special nut B (Small flange)	4	
Hanger 	4	For suspending the indoor unit from ceiling
Drain hose 	1	For installing drain pipe
Hose band	1	For installing drain hose
Drain hose insulation 	2	Insulates the drain hose and drain cap
Wire	1	Attached only ARXB24/30/36/45L model. Use for static pressure under 40 Pa.

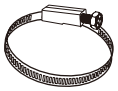
SYSTEM DESIGN

SYSTEM DESIGN

■ HIGH STATIC PRESSURE DUCT TYPE

● Models : ARXC36, ARXC45, ARXC60

Name and shape	Q'ty	Application
Operating manual	1	
Installation manual	1	
Binder (Large)	4	For fixing the coupler heat insulation
Binder (Medium)	3	For power supply and transmission, and remote control cable binding
Coupler heat insulation (Small)	1	For indoor side pipe joint (Liquid pipe)
Coupler heat insulation (Large)	1	For indoor side pipe joint (Gas pipe)

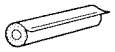
Name and shape	Q'ty	Application
Special nut A (Large flange)	4	For suspending the indoor unit from ceiling
Special nut B (Small flange)	4	
Drain hose	2	For installing drain pipe
Hose band 	2	For installing drain hose
Drain hose insulation	2	For installing drain hose

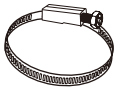
SYSTEM DESIGN

SYSTEM DESIGN

■ HIGH STATIC PRESSURE DUCT TYPE

● Models : ARXC72, ARXC90

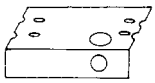
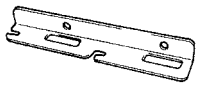
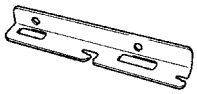
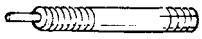
Name and shape	Q'ty	Application
Operating manual	1	
Installation manual	1	
Binder (Large)	4	For fixing the connection pipe (Large and Small)
Binder (Medium)	3	For power supply and transmission, and remote control cable binding
Coupler heat insulation (Small) 	1	For indoor side pipe joint (Liquid pipe)
Coupler heat insulation (Large)	1	For indoor side pipe joint (Gas pipe)
Relay wire	1	For switching static pressure

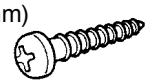
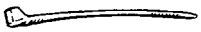
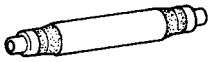
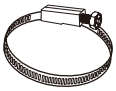
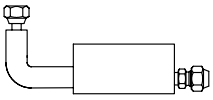
Name and shape	Q'ty	Application
Special nut A (Large flange)	4	For suspending the indoor unit from ceiling
Special nut B (Small flange)	4	
Washer	8	
Drain hose (Large)	1	For installing drain pipe (For main drain port)
Drain hose (Small)	1	For installing drain pipe (For safety drain port)
Hose band (Large) 	1	For installing drain hose (Large)
Hose band (Small)	1	For installing drain hose (Small)
Drain hose insulation	2	For installing drain hose

SYSTEM DESIGN

SYSTEM DESIGN

■ FLOOR / CEILING TYPE

Name and shape	Q'ty	Application
Operating manual	1	
Installation manual	1	
Cover plate (left)	1	
Cover plate (right)	1	
Tapping screw (M4 x 10mm)	2	
Installation template 	1	For positioning the indoor unit For under ceiling type
Bracket (left) 	1	For suspending the indoor unit from ceiling
Bracket (right) 	1	
Anchor bolt (M12) 	4	
Spring washer	4	
Special nut	4	
Wall bracket	2	For suspending the indoor unit on the wall

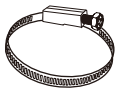
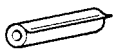
Name and shape	Q'ty	Application
Tapping screw (M4 x 20mm) 	6	For fixing the wall bracket
Coupler heat insulation	2	For indoor side pipe joint
Binder 	Large 4	For fixing the coupler heat insulation
	Medium 3	For power supply, transmission and remote control cable binding
Drain hose 	1	For installing drain pipe
Hose band 	1	For installing drain hose
Drain hose insulation	1	Adhesive type 100 x 220 (mm)
VT wire	1	For fixing the drain hose L=280 (mm)
Insulation (pipe)	1	Adhesive type 160 x 110 (mm)
Silencer pipe 	1	Connect the silencer pipe to the small (Liquid) pipe

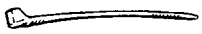
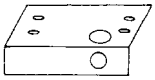
OPTIONAL PARTS

Name and shape	Part No.	Application
Auxiliary pipe	9374714025	For indoor side pipe joint (For AB18, AB24)

SYSTEM DESIGN

■ CEILING TYPE

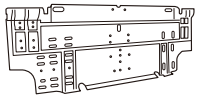
Name and shape	Q'ty	Application
Operating manual	1	
Installation manual	1	
Drain hose	1	For installing drain pipe
Hose band 	1	For installing drain hose
Drain hose insulation	1	Adhesive type 220 x 100 (mm)
VT wire	1	For fixing the drain hose L=280 (mm)
Coupler heat insulation (Large)	2	For indoor side pipe joint (Gas pipe)
Coupler heat insulation (Small) 	1	For indoor side pipe joint (Liquid pipe)

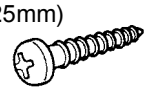
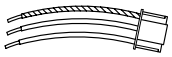
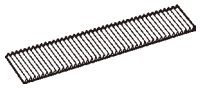
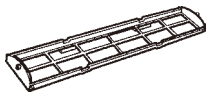
Name and shape	Q'ty	Application
Binder 	Extra large 4	For fixing the coupler heat insulation
	Large 4	
	Medium 3	For power supply and transmission and remote control cable binding
Special nut A (Large flange)	4	For installing indoor unit
Special nut B (Small flange)	4	For installing indoor unit
Installation template 	1	For positioning the indoor unit
Auxiliary pipe assembly	1	For connecting the piping

SYSTEM DESIGN

SYSTEM DESIGN

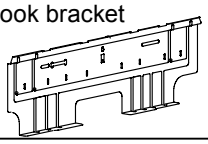
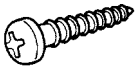
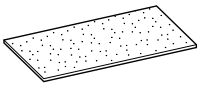
■ COMPACT WALL MOUNTED TYPE

Name and shape	Q'ty	Application
Operating manual	1	
Installation manual	1	
Wall hook bracket 	1	For indoor unit installation
Binder	1	For remote control cable binding
Cloth tape	1	For indoor unit installation

Name and shape	Q'ty	Application
Tapping screw (M4 x 25mm) 	8	For wall hook bracket installation
Wire assebly 	1	For wired remote control installation
Air cleaning filter 	2	
Air cleaning filter frame 	2	
Seal A	1	For indoor unit installation

■ WALL MOUNTED TYPE

Name and shape	Q'ty	Application
Operating manual	1	
Installation manual	1	

Name and shape	Q'ty	Application
Wall hook bracket 	1	For indoor unit installation
Tapping screw (big) (M4 x 20mm) 	12	For wall hook bracket installation
Drain hose insulation 	1	Adhesive type 105 x 600 (mm)

SYSTEM DESIGN

6-10. OPTIONAL PARTS INSTALLATION

6-10-1. DRAIN PUMP UNIT

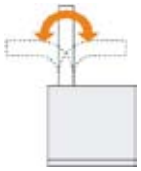
■ MODEL : UTZ-PX1BBA

● Specifications

	Unit	Specifications
Height of drain up	mm	Maximum 1000
Power source	-	220-240V, 50/60Hz
Power input (230V, 50/60Hz)	W	12 / 10.8
Current (230V, 50/60Hz)	mA	114 / 92
Dimensions (H x W x D)	mm	176 x 178 x 154
Weight	kg	2.5
Connection pipe diameter	-	VP25 (I.D.25mm, O.D.32mm)
Direction of pipe connection *1	-	360°
Angle of pipe connection *2	-	0° (Horizontal)-90° (Vertical)
Control method	-	Control board of indoor unit
safety device	-	Float switch, Thermal fuse

*1 : Direction of pipe connection

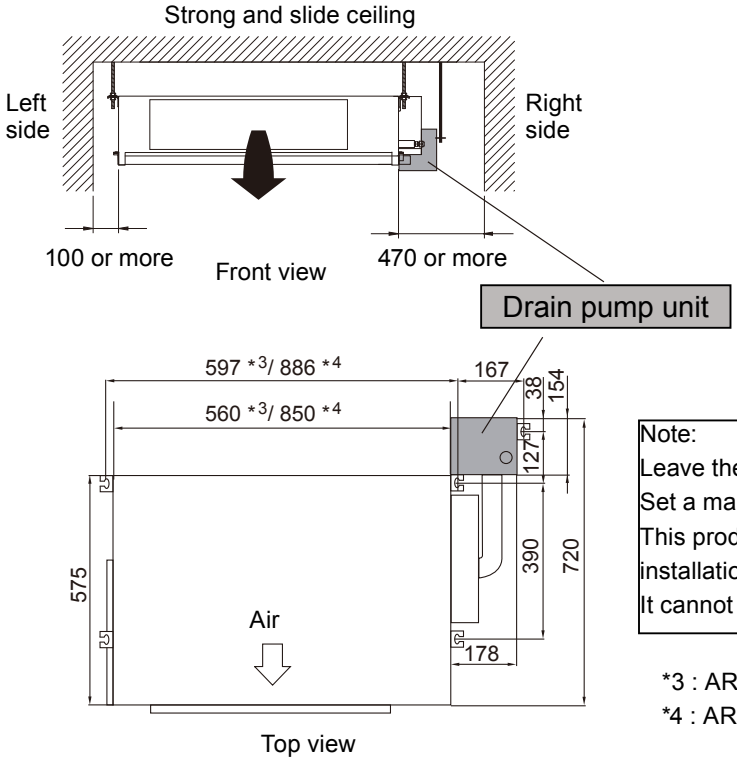
*2 : Angle of pipe connection



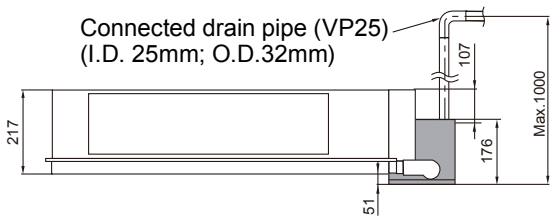
● Application indoor units

Type	Model name
Compact Duct	ARXB07, ARXB09, ARXB12, ARXB14, ARXB18

● Mounting position



(Unit : mm)

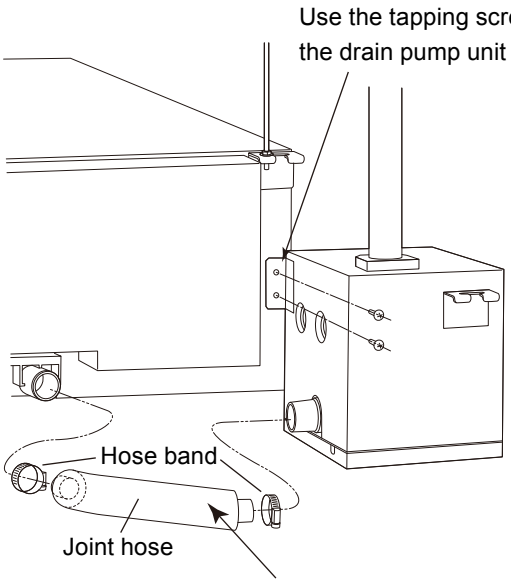


Note:
Leave the space required to service the unit.
Set a maintenance hole near the drain pump unit.
This product is specially designed for ceiling concealed installation of the indoor unit.
It cannot be connected when it is installed on the floor.

*3 : ARXB07, 09
*4 : ARXB12, 14, 18

SYSTEM DESIGN

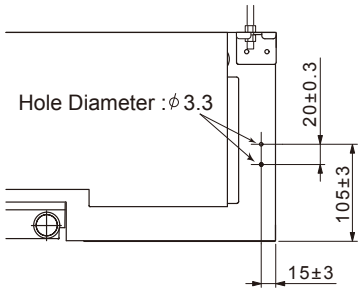
● Installing drain pump unit

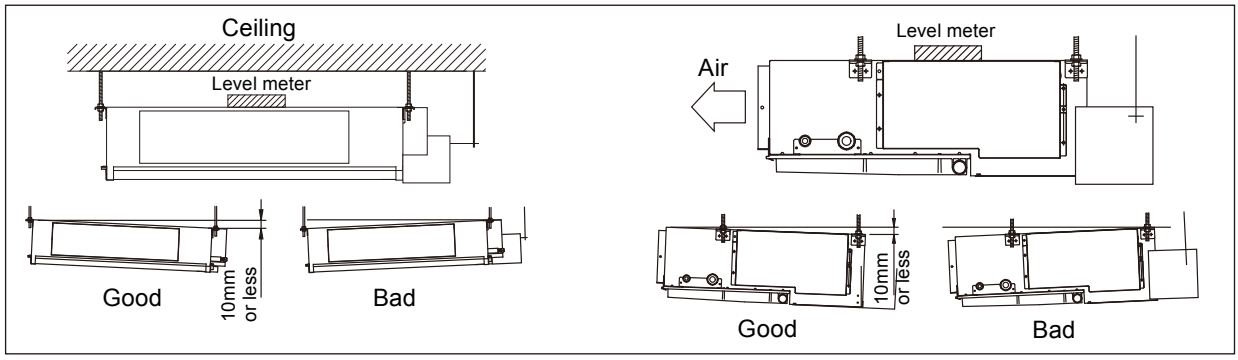


Thread the hose band through the joint hose, and insert it until it touches the drain pump unit and indoor unit.

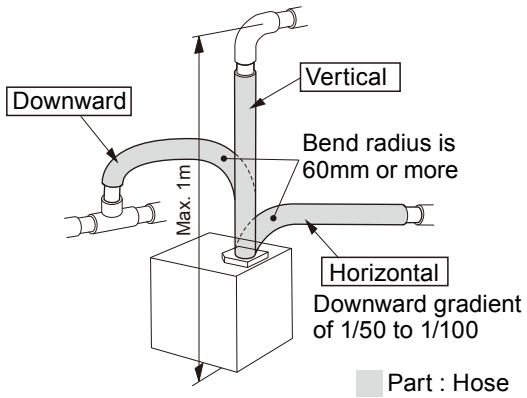
When there is no screw hole

Puncture holes at the following position and then install.

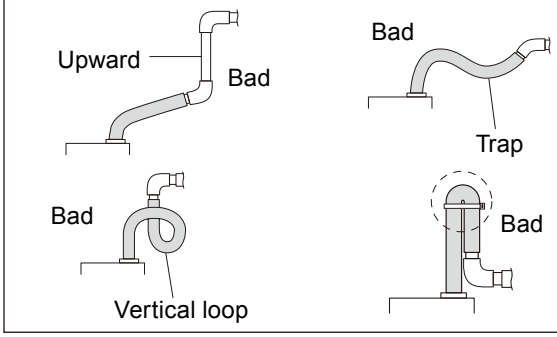




● Installing hose

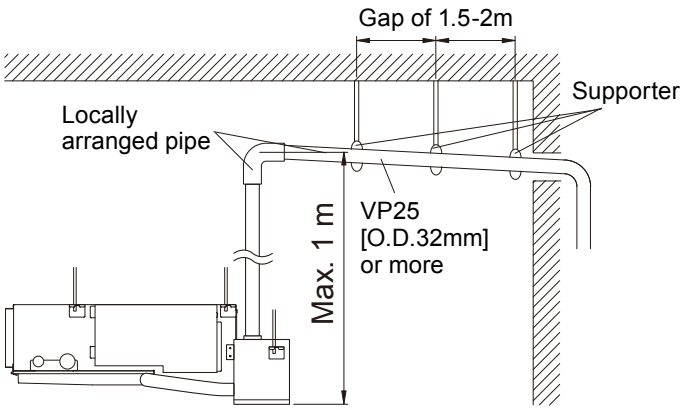


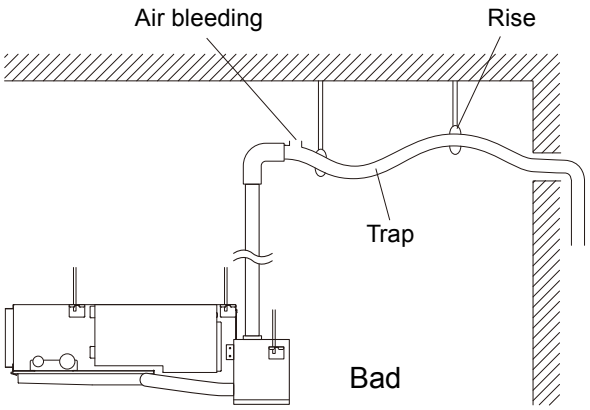
Example of wrong construction.

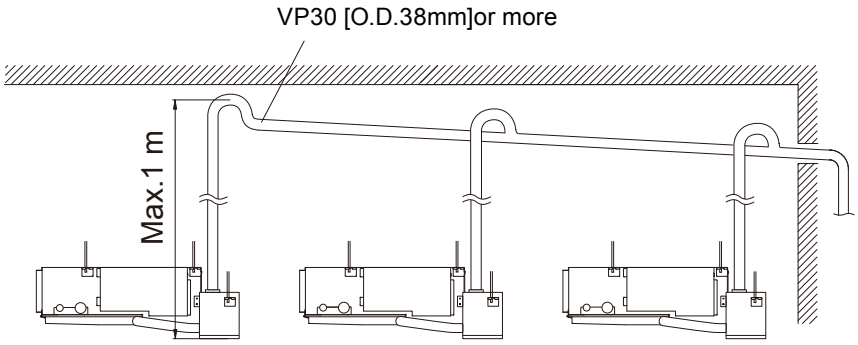


SYSTEM DESIGN

● Installing pipe



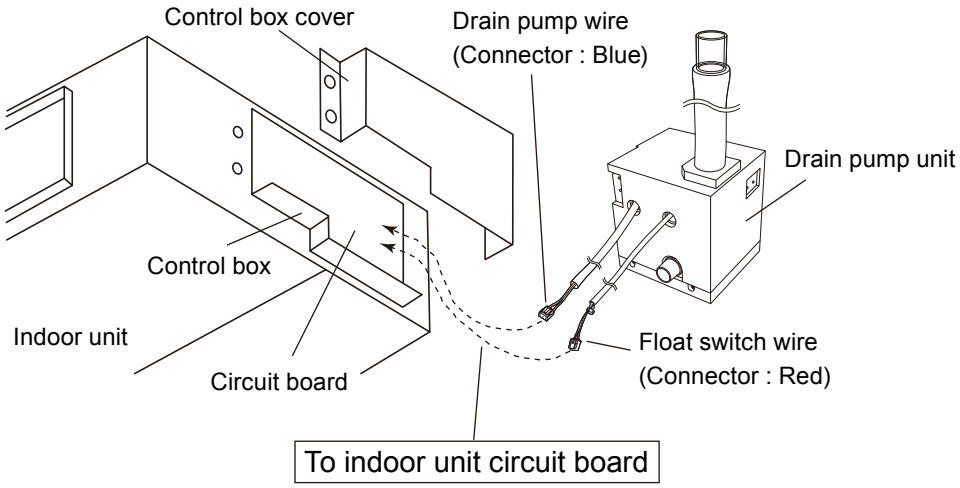




Observe the following procedures to construct centralized drain pipe fittings.

SYSTEM DESIGN

● Electrical wiring



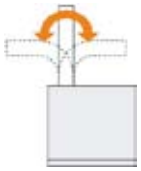
■ MODEL : UTZ-PX1NBA

● Specifications

	Unit	Specifications
Height of drain up	mm	Maximum 1000
Power source	-	220-240V, 50/60Hz
Power input (230V, 50/60Hz)	W	12 / 10.8
Current (230V, 50/60Hz)	mA	114 / 92
Dimensions (H x W x D)	mm	176 x 178 x 154
Weight	kg	2.5
Connection pipe diameter	-	VP25 (I.D.25mm, O.D.32mm)
Direction of pipe connection *1	-	360°
Angle of pipe connection *2	-	0° (Horizontal)-90° (Vertical)
Control method	-	Control board of indoor unit
safety device	-	Float switch, Thermal fuse

*1 : Direction of pipe connection

*2 : Angle of pipe connection

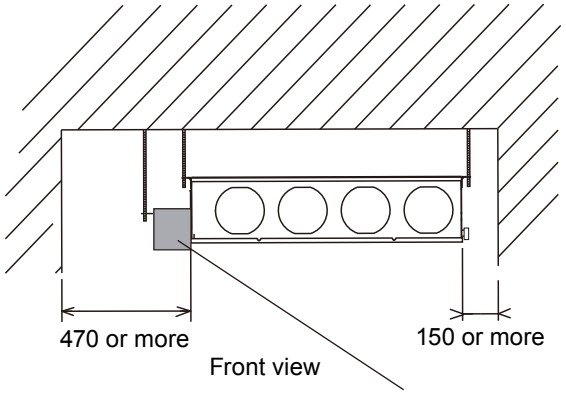


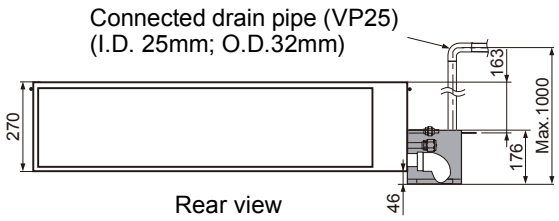
● Application indoor units

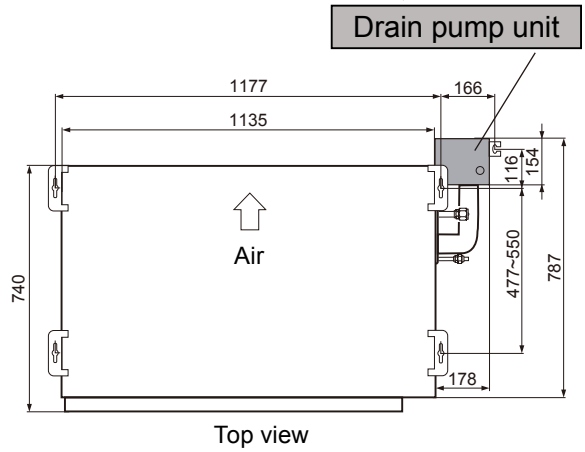
Type	Model name
Low Static Pressure Duct	ARXB24, ARXB30, ARXB36, ARXB45
Duct	ARXA24, ARXA30, ARXA36, ARXA45

● Mounting position

(Unit : mm)



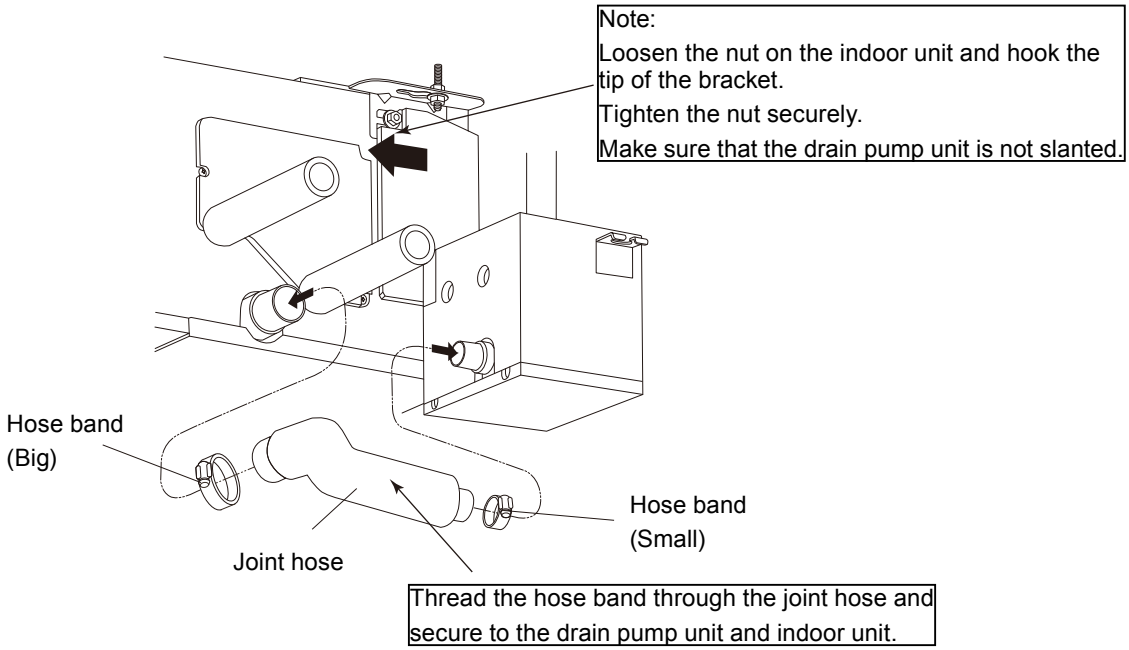


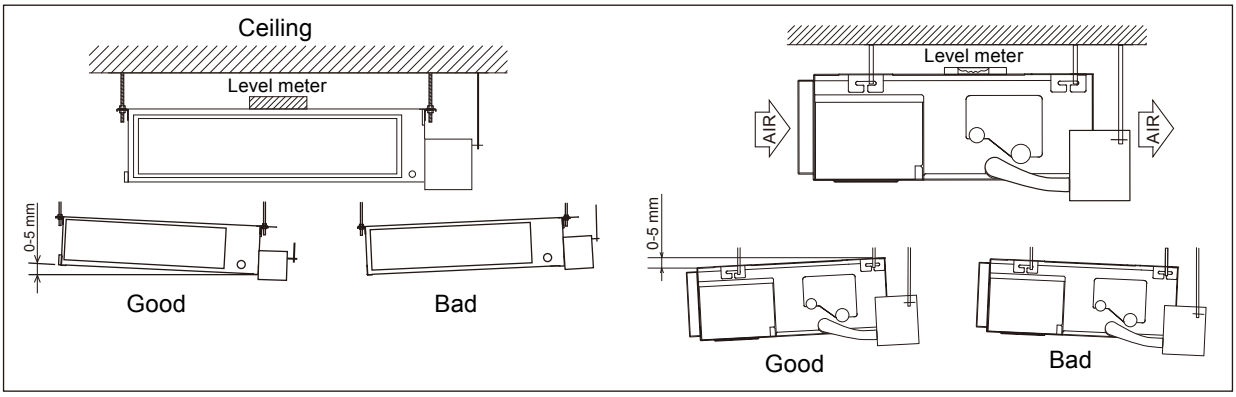


Note:
Leave the space required to service the unit.
Set a maintenance hole near the drain pump unit.

SYSTEM DESIGN

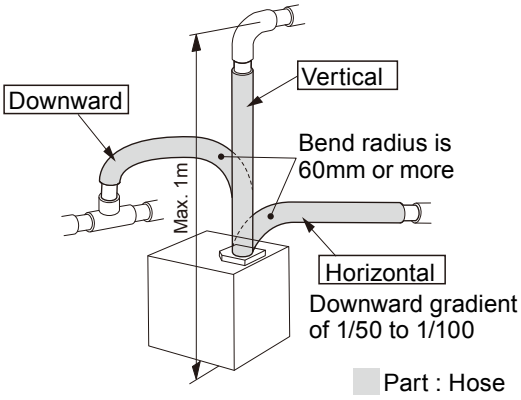
● Installing drain pump unit

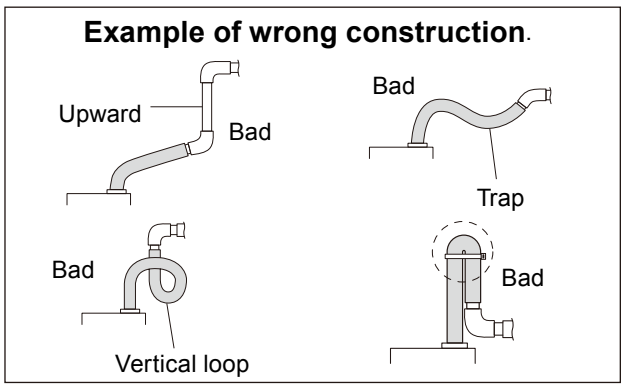




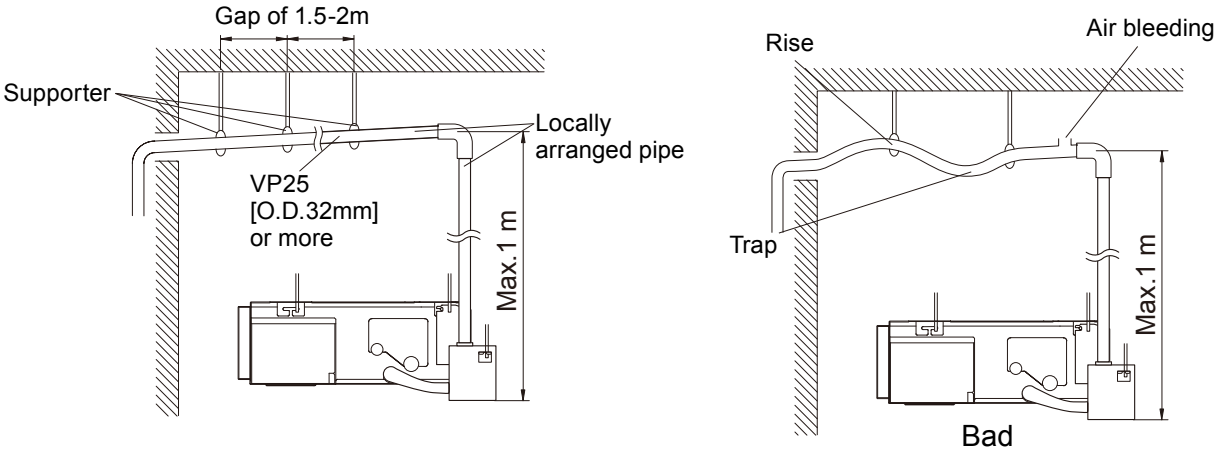
SYSTEM DESIGN

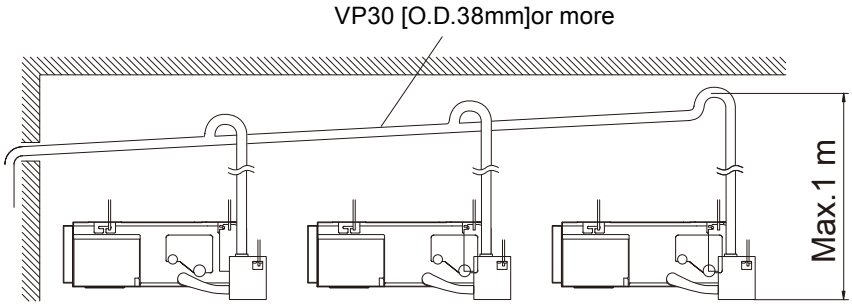
● Installing hose





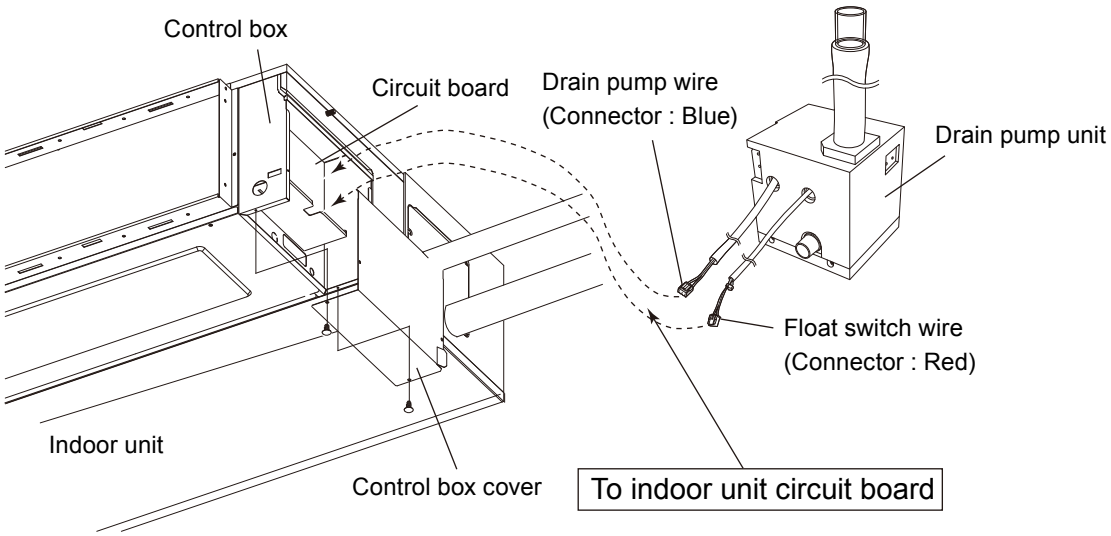
● Installing pipe





Observe the following procedures to construct centralized drain pipe fittings.

● Electrical wiring



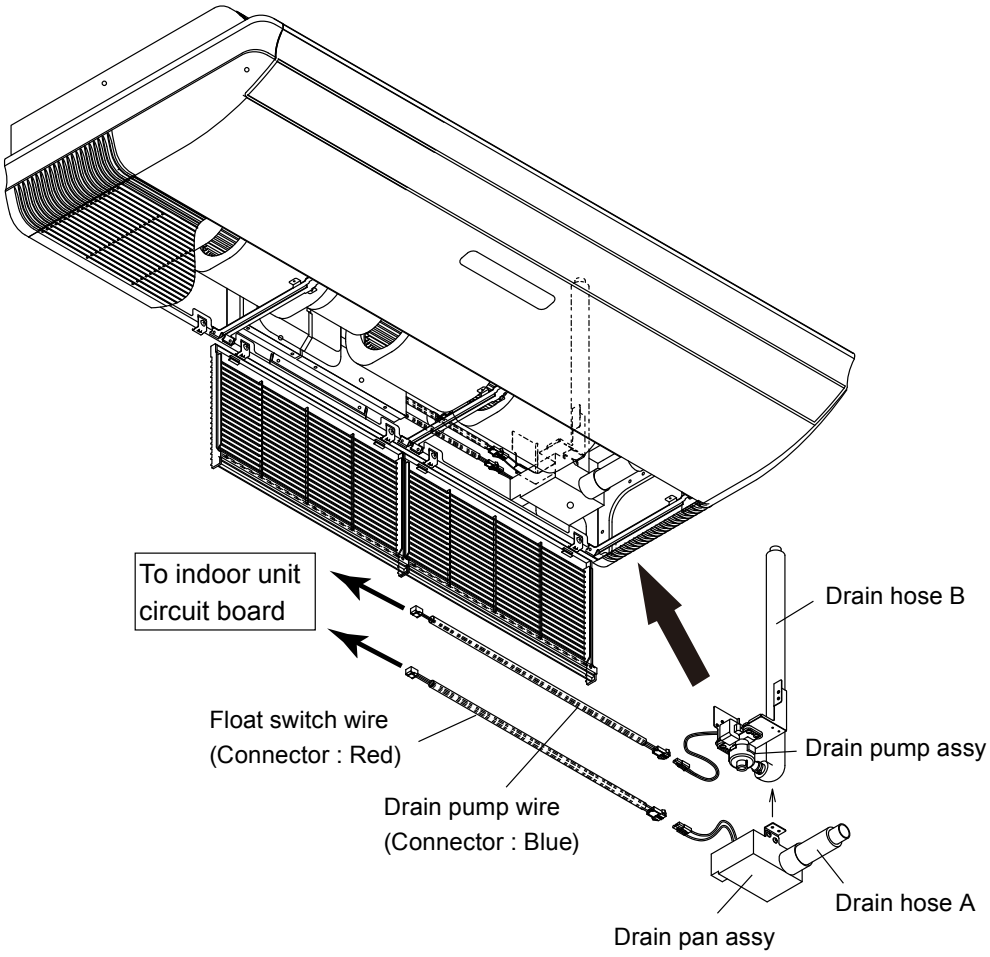
SYSTEM DESIGN

■ MODEL : UTR-DPB24T

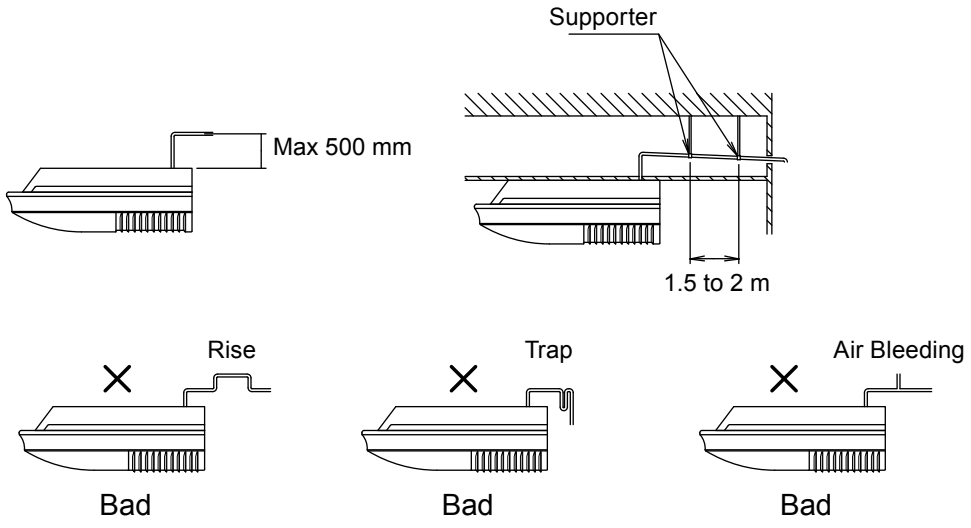
● Application indoor units

Type	Model name
Ceiling	AB∗A30, AB∗A36, AB∗A45, AB∗A54

● Installing drain pump unit & Electrical wiring



● Installing pipe

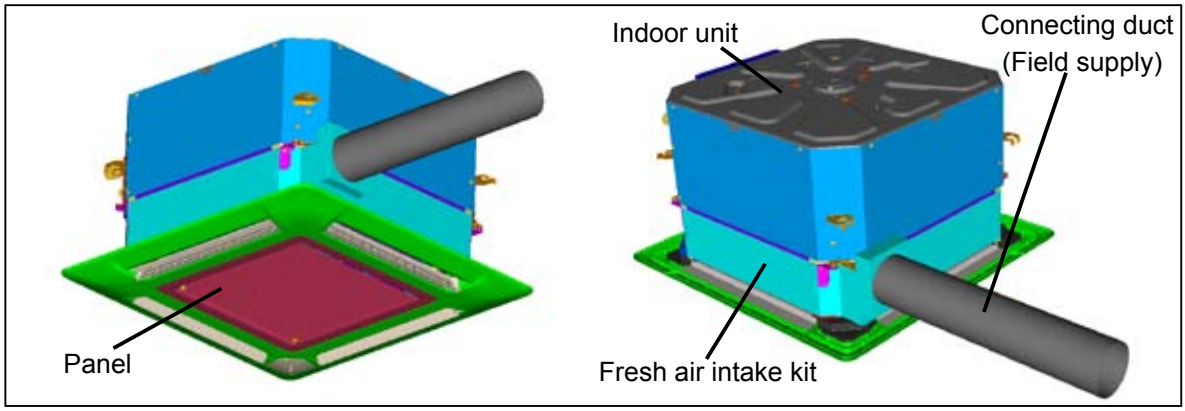


SYSTEM DESIGN

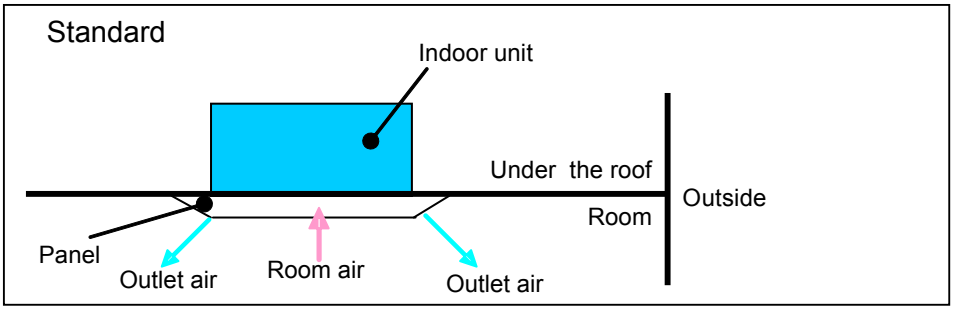
6-10-2. FRESH AIR INTAKE KIT (MODEL : UTZ-VXAA)

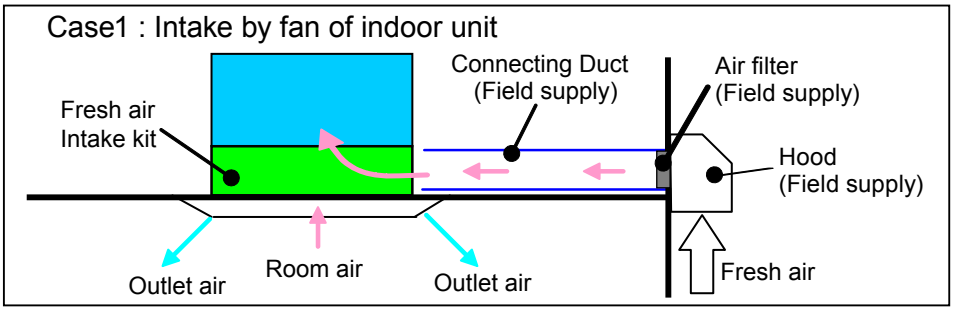
■ FEATURE

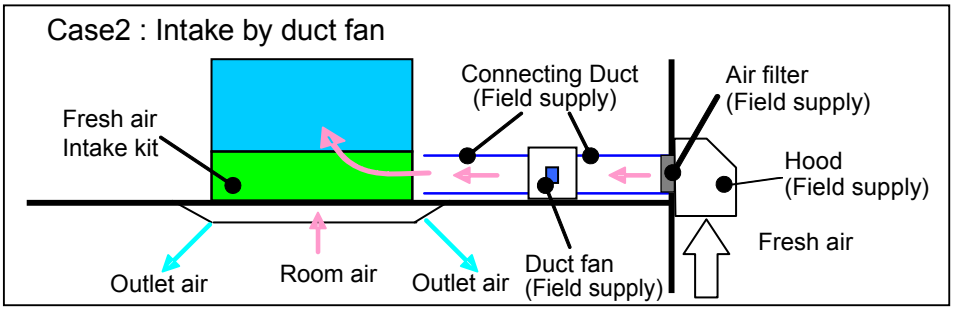
• It can be taken in fresh air of up to 10% of “high” air volume of the indoor unit by attaching Fresh Air Intake Kit to cassette type indoor unit.



■ INSTALLATION EXAMPLE







SYSTEM DESIGN

■ SPECIFICATIONS

Model name				UTZ-VXAA
Fresh air intake	Max. fresh air intake volume		%(for High)	10
Connection duct type			mm (inch)	ø 100 (3-15/16)
			Pcs	1
Dimension (HxWxD)		Net	mm (inch)	120 x 570 x 570 (4-23/32 x 22-7/16 x 22-7/16)
		Gross		165 x 585 x 585 (6-1/2 x23-1/32 x 23-1/32)
Weight		Net	kg (lb.)	3.5 (8)
		Gross		5.5 (12)

SYSTEM DESIGN

■ PRECAUTION

● About fresh air intake kit

- The Fresh Air Intake Kit can be installed onto cassette type air conditioners.
- The volume of ventilated air provided by the Fresh Air Intake Kit may be unable to fulfill ventilation regulations in all countries.
  On such occasions we ask that this kit be used along with Energy recovery ventilators.
- When intaking outside air please ensure correct air-conditioning design as based on air-conditioning load calculations.
  As outside air is not being processed an increase in outside air load can affect air conditioning.

● Installation location

- Area that generate substances that adversely affect the equipment, such as sulfuric gas,chlorine gas,add,or alkalli it will cause the copper pipes and brazed joints to corrode,whitch can cause refrigerant leakage.
- Area with high salt content,such as at the seaside. It will deteriorate metal parts, causing the parts to fall or the unit to leak water.
- Be certain to use electric dampers and shutters to avoid infiltration of cold air, wind and fog during shutdown in areas with cold climates, strong winds, or where fogs are common.
- Please ensure the product is installed a distance of at least three times the duct diameter away from exterior wall air inlets, or air exhausts for the prevention of short circuits.

● Temperature conditions

- Condensation may form on the product when outside air temperature is low, and the temperature and humidity surrounding the product are high. Don't intake the air of below 0°C into the Fresh air intake kit.
- The upper limit of the product's temperature range should respond to the outdoor temperature range.

● About duct fan

- When installing the duct fan, connect the drive relay (field supplied) and operate with the indoor unit.
- Please ensure the intake air volume is below 10% of the product’s air volume HI. When the intaken air volume becomes too large there the operating noise may increase and room temperature detection may be affected.

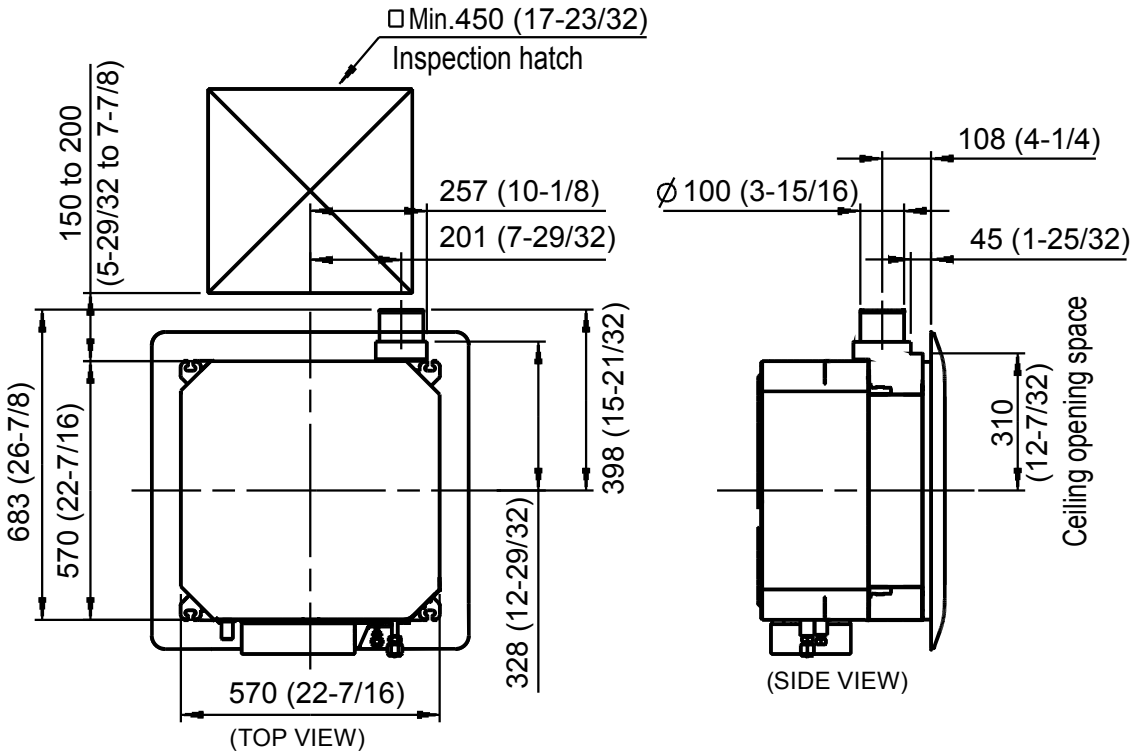
● About the duct connection

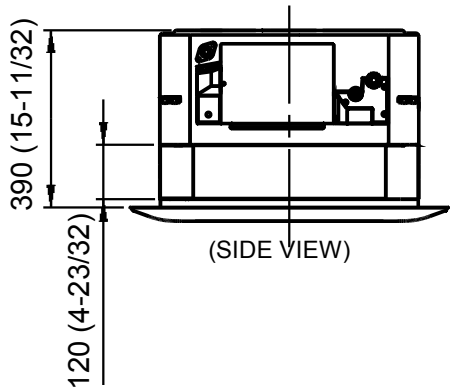
- Procure a duct with internal diameter that fits the external diameter of the duct flange.
- Please note that regulations of some countries may require the use of a nonflammable duct.
- If the duct penetrates a fire-retarding division or other fire-proofing measures, the installation of fire dampers, or a construction that does not adversely affect fire control measures is a regulatory requirement of some countries.
- When using metallic ducts please ensure metals (i.e., metal lath, wire lath, stainless sheeting) are electrically insulated. (A short occurring by electrical connection can cause fire)
- Please ensure to thermally insulate connected ducts to prevent condensation.
- Please make certain that netting or other measures are installed in parts exposed to the outside air to prevent infiltration of small animals such as birds and insects.
- Please be certain to install external air filters to parts exposed to the outside air for heat exchanger protection of indoor equipment.
- Please avoid the infiltration of rain water by installing outside ducts with an incline of at least 1/30, and fitting hoods on openings.

SYSTEM DESIGN

■ DIMENSIONS

Unit : mm (inch)

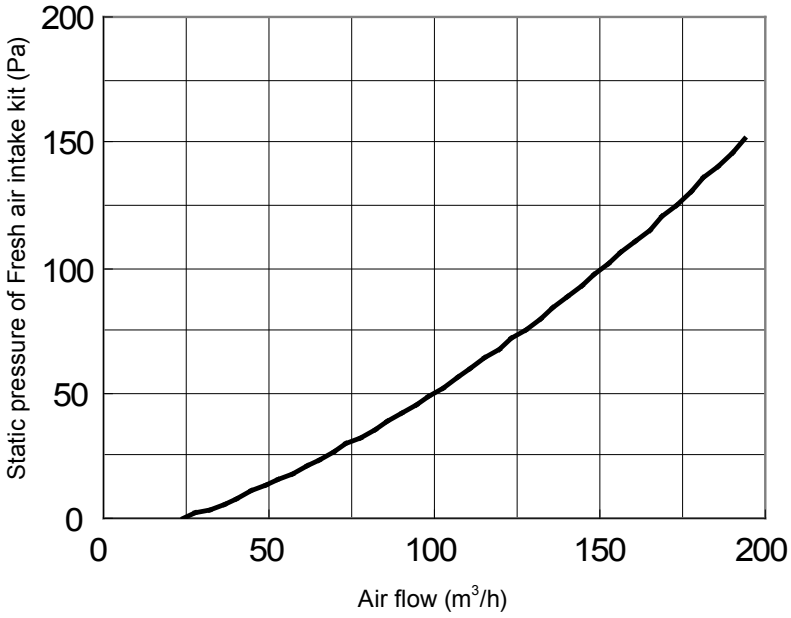




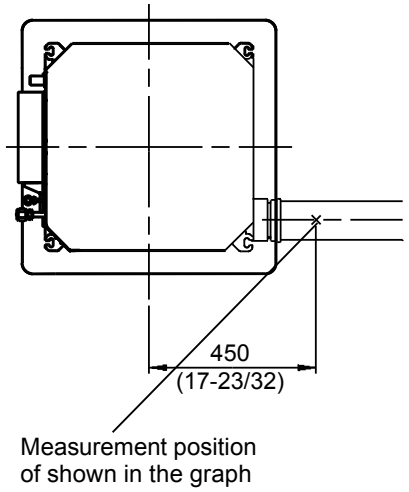
• When installing this kit, inspection hatch is necessary. (It is necessary when servicing.)

SYSTEM DESIGN

■ AIR FLOW



Unit : mm (inch)



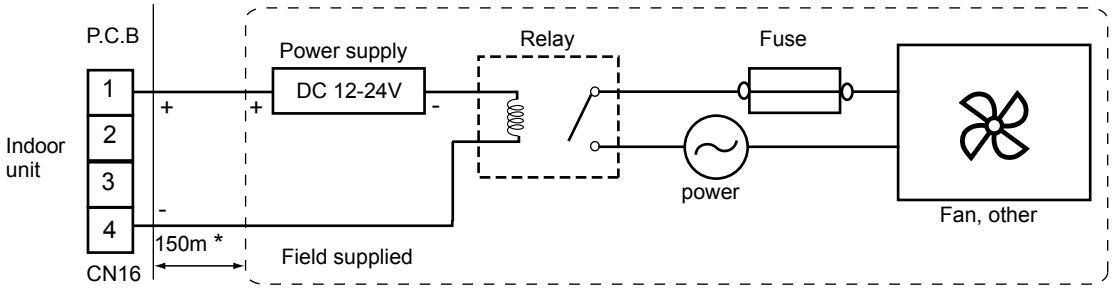
SYSTEM DESIGN

■ FRESH AIR CONTROL OUTPUT

- You can control duct fan by synchronization with fan operation of indoor unit.
- Wire for fresh air control output is supplied with Fresh Air Intake Kit.
- Extended length of the wire : Max. 150m

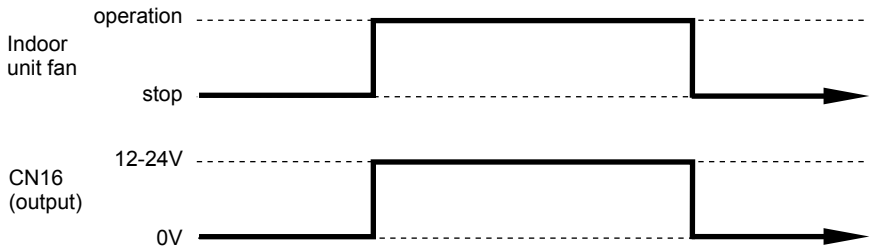
● Connection diagram

- For Relay Output voltage : DC12 - 24V
  Permissible current : 30mA

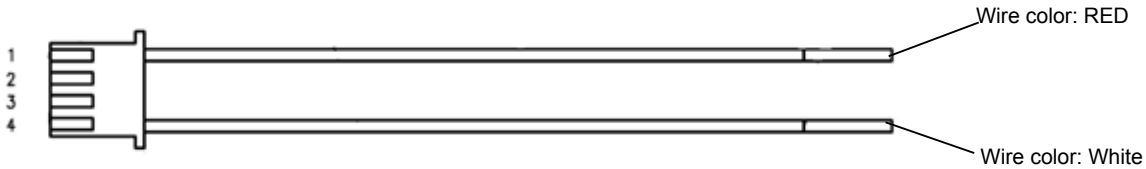


*:Make the distance from the PC board to the Relay Unit within 150 m

● Indoor unit status

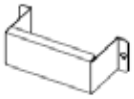


● Wire (External output ②)



SYSTEM DESIGN

■ ACCESSORY PARTS

Name and shape	Q'ty	Application
Installation manual	1	
Chamber	1	Air joint for connection duct
Wire cover 	1	Cover for extension wire
Screw	4	Attaching for chamber Attaching for wire cover
Extension wire for louver	2	Extension wire for louver

Name and shape	Q'ty	Application
Extension wire for receiver kit	1	Extension wire for receiving kit
Wire (External output ①)	1	For connect indoor unit to relay of duct fan (For single or multi)
Wire (External output ②)	1	For connect indoor unit to relay of duct fan (For VRF)
Bolt	4	For attaching kit to indoor unit
Binder	1	For fixing wire

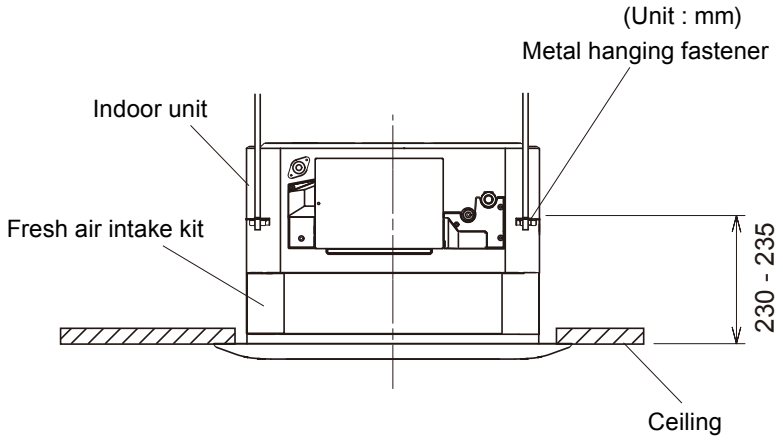
SYSTEM DESIGN

SYSTEM DESIGN

■ INSTALLATION

● Mounting of indoor unit

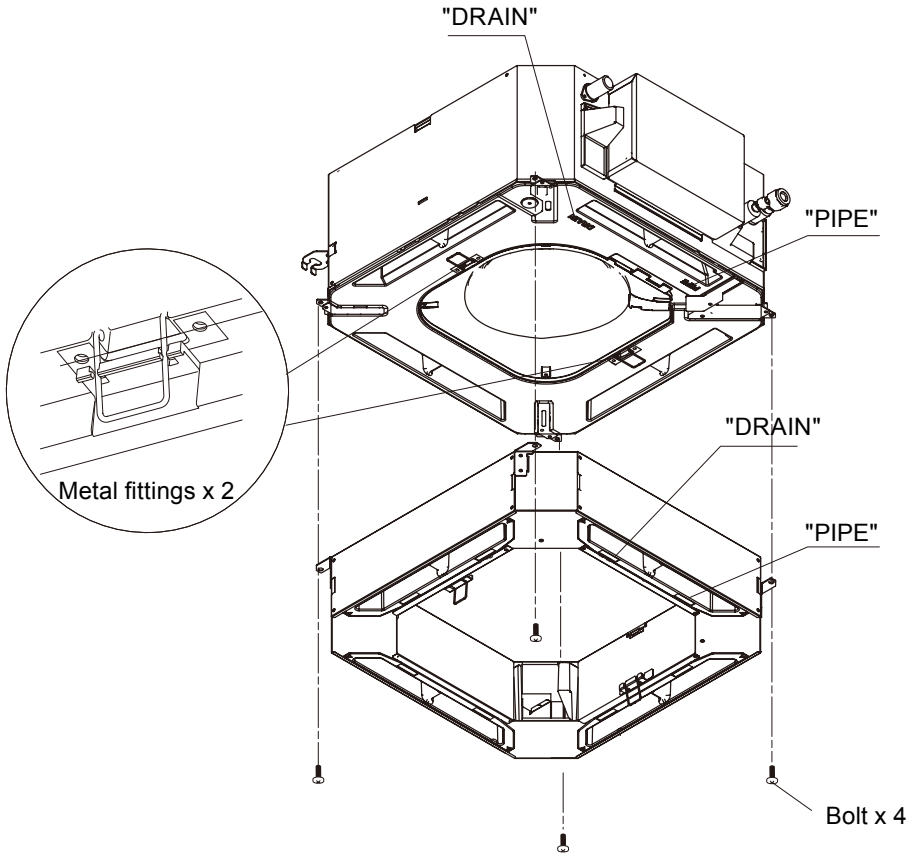
- Please refer to the installation manual provided with the indoor unit for mounting.
- Please refer to the diagram below for installation height.
- When installing this product to existing indoor units, please adjust the installation height of the indoor units to height 230-235mm.



● Installation of the fresh air intake kit

⚠ CAUTION
Installing the Fresh Air Intake Kit with the wrong direction is a cause of water leakage.

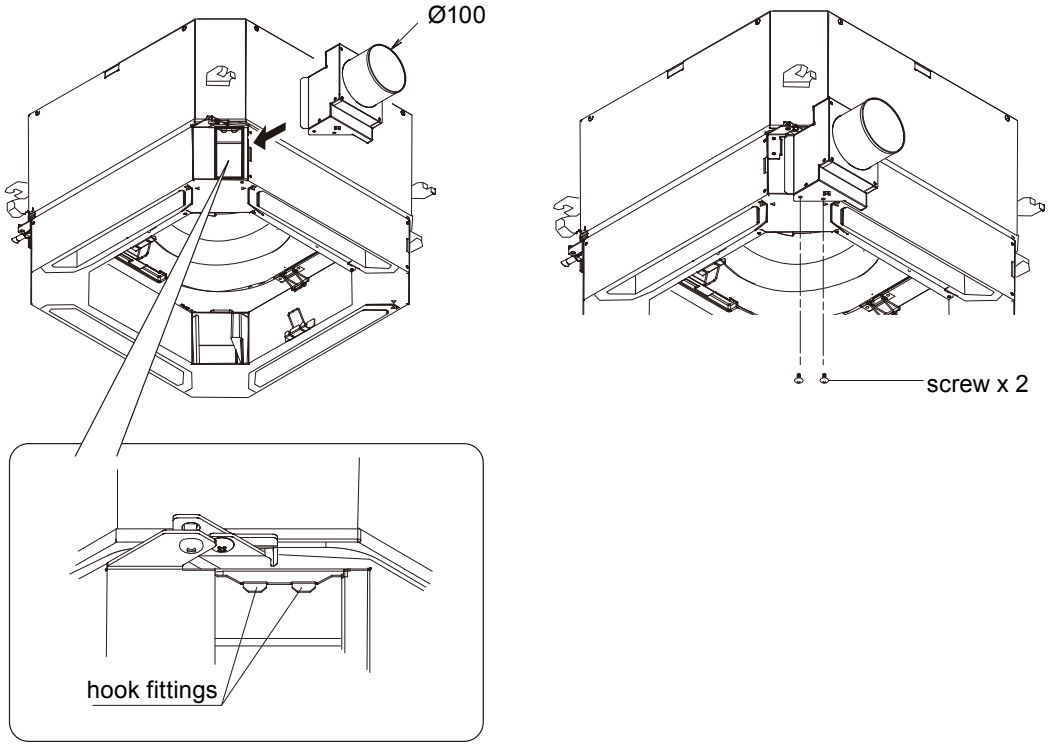
- Provisionally attach the “DRAIN”, “PIPE” of the Fresh Air Intake Kit to the indoor unit foam-sealed “DRAIN”, “PIPE”, following the direction of the indoor unit, using the metal fittings of the combined diagram.



SYSTEM DESIGN

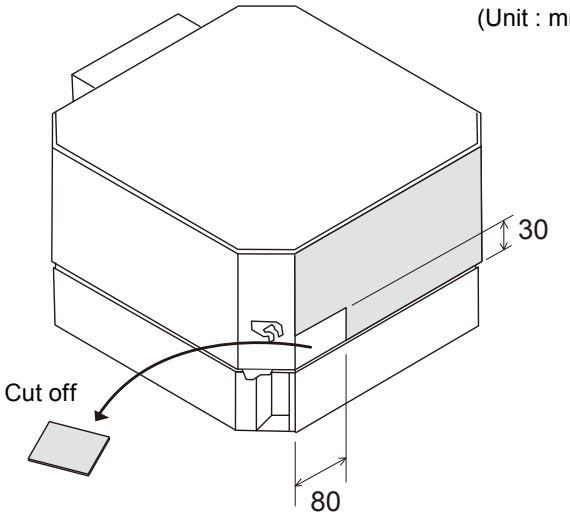
● Chamber installation

Fit the four-sided holes of the chamber together with the hook fittings of the Fresh Air Intake Kit (in two places), and secure the attached chamber in place with screws provided.



- When using the “UTZ-KXGC” kit for high humidity, please first cut off and remove the heat insulation as shown in the figure.
- Please install the kit for high humidity according to the installation instruction sheet provided.

(Unit : mm)

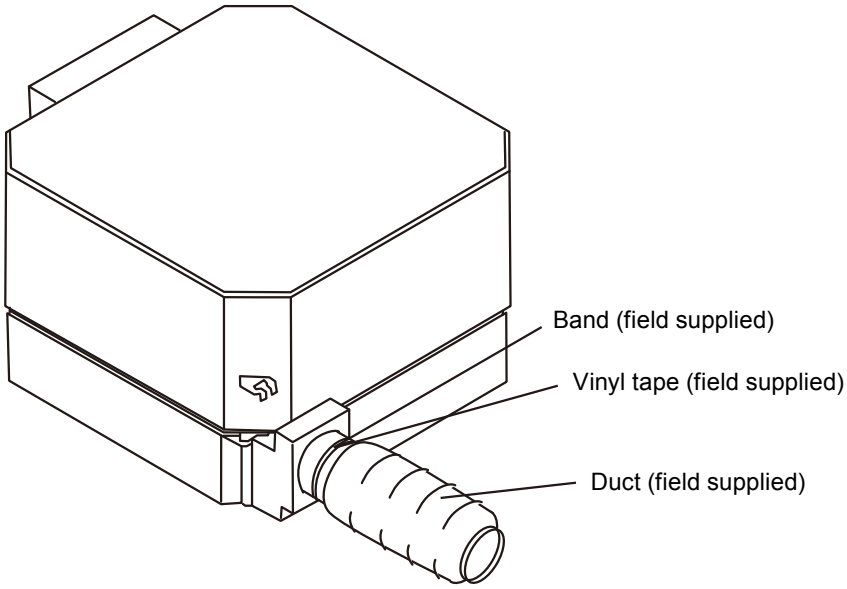


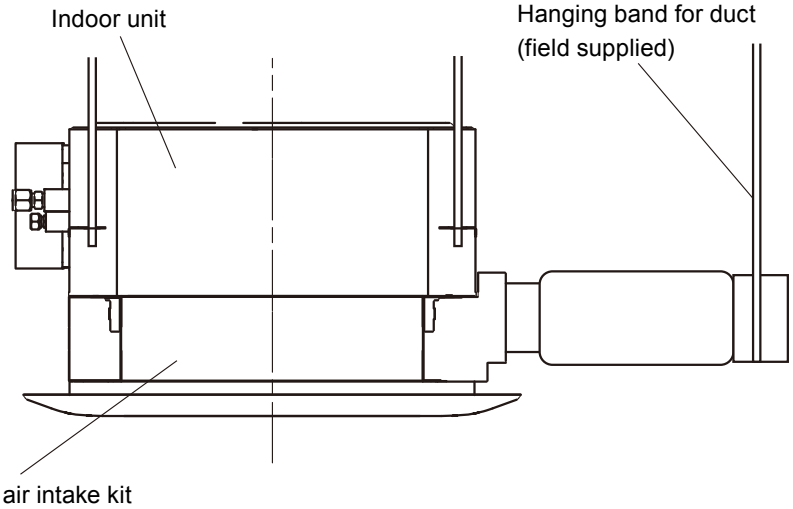
SYSTEM DESIGN

● Duct installation

- Please fasten the connecting parts of the ducts with band, and wrap with vinyl tape to ensure no air leaks. (Carry out the work to ensure no air leakage at a pressure of 200 Pa)
- Please do not construct the duct in the manner of below.
  - ○Extreme Bends
  - ○Highly Repetitive Bends
  - ○Making the Connecting Duct Diameters Smaller

Completion figure



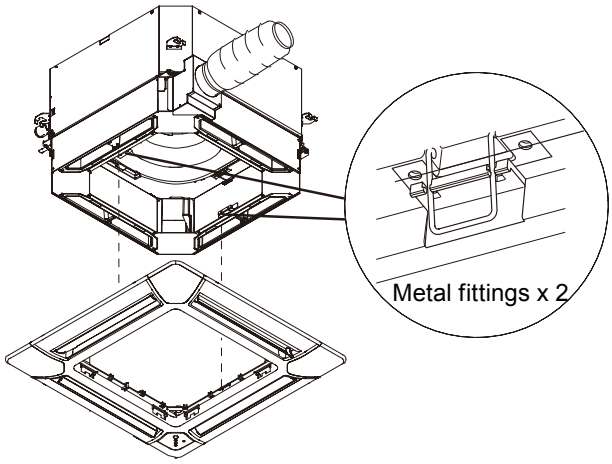


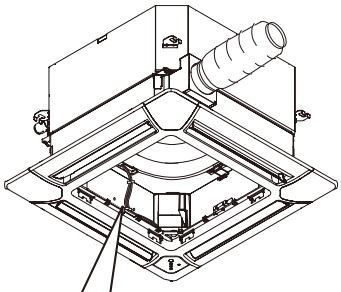
When wiring of the duct fan is required please refer to "■FRESH AIR CONTROL OUTPUT".

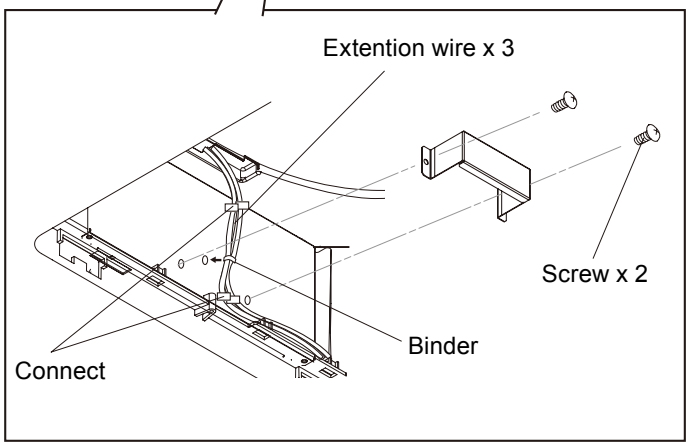
SYSTEM DESIGN

● Installation of decoration panel

1) Please connect extension wires for use with louvers, or extension wire for optical receiver after provisional attaching of the decoration panel.
2) Tie the wires together with the fasteners provided and insert into the hole of the Fresh Air Intake Kit.
3) Install the wire-cover provided on the Fresh Air Intake Kit.
4) Please install decoration panel according to the installation instruction sheet provided.





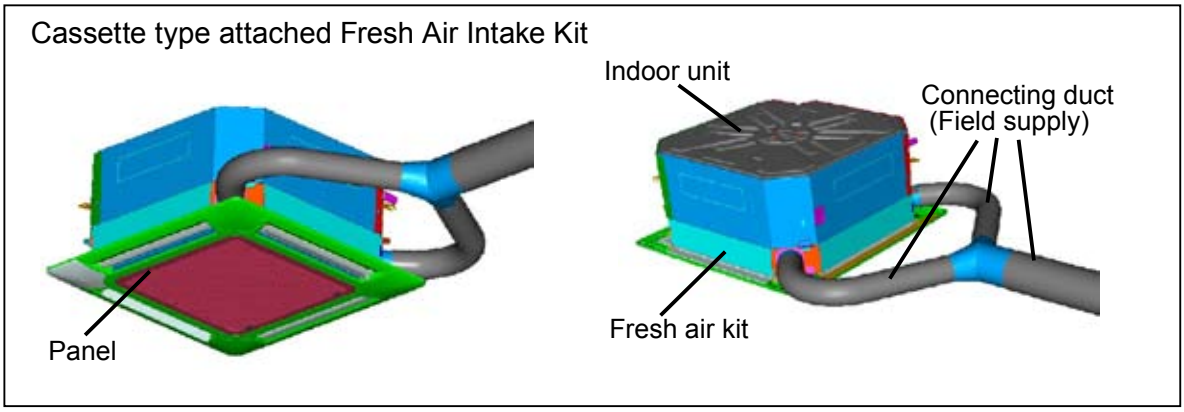


SYSTEM DESIGN

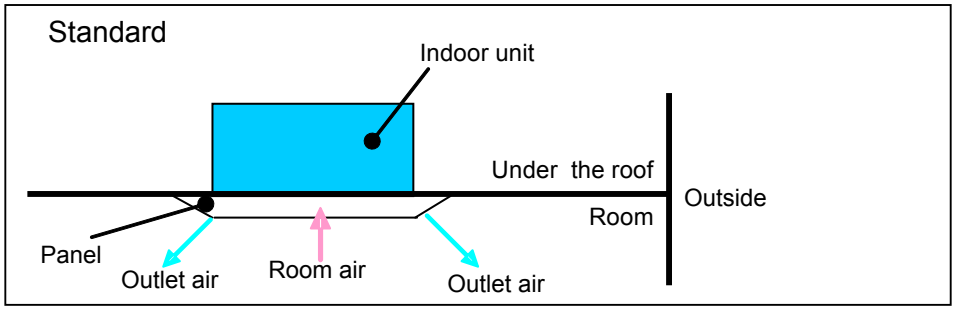
6-10-3. FRESH AIR INTAKE KIT (MODEL : UTZ-VXGA)

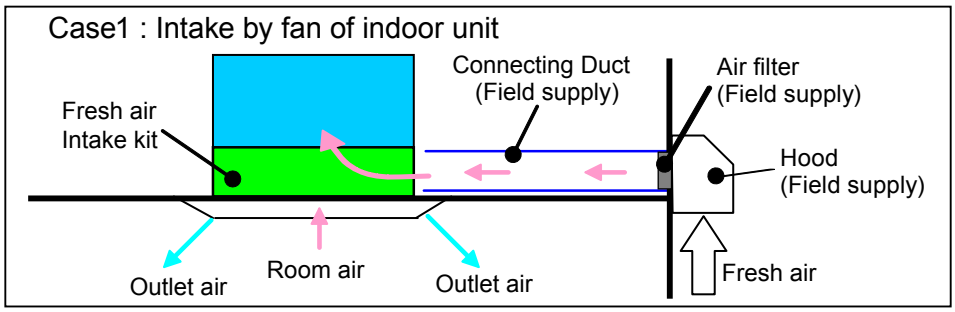
■ FEATURE

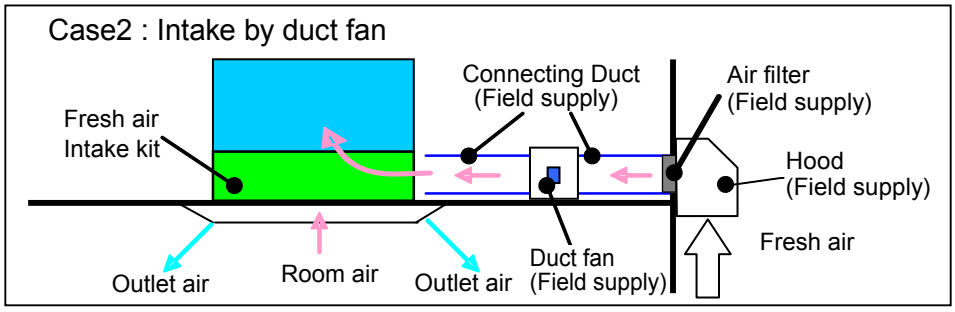
• It can be taken in fresh air of up to 10% of “high” air volume of the indoor unit by attaching Fresh Air Intake Kit to cassette type indoor unit.



■ INSTALLATION EXAMPLE







SYSTEM DESIGN

■ SPECIFICATIONS

Model name				UTZ-VXGA
Fresh air intake	Max. fresh air intake volume	% (for High)	2- way intake	10
			1- way intake	5
Connection duct type		mm (inch)	ø 100 (3-15/16)	
		Pcs	2	
Dimension (HxWxD)	Net	mm (inch)	120 x 840 x 840 (4-23/32 x 33-1/16 x 33-1/16)	
	Gross		165 x 860 x 860 (6-1/2 x 33-27/32 x 33-27/32)	
Weight	Net	kg (lb.)	5.5 (12)	
	Gross		9.0 (20)	

SYSTEM DESIGN

■ PRECAUTION

● About fresh air intake kit

- The Fresh Air Intake Kit can be installed onto cassette type air conditioners.
- The volume of ventilated air provided by the Fresh Air Intake Kit may be unable to fulfill ventilation regulations in all countries.

  On such occasions we ask that this kit be used along with Energy recovery ventilators.
- When intaking outside air please ensure correct air-conditioning design as based on air-conditioning load calculations.

  As outside air is not being processed an increase in outside air load can affect air conditioning.

● Installation location

- Area that generate substances that adversely affect the equipment, such as sulfuric gas,chlorine gas,add,or alkali it will cause the copper pipes and brazed joints to corrode,which can cause refrigerant leakage.
- Area with high salt content,such as at the seaside. It will deteriorate metal parts, causing the parts to fall or the unit to leak water.
- Be certain to use electric dampers and shutters to avoid infiltration of cold air, wind and fog during shutdown in areas with cold climates, strong winds, or where fogs are common.
- Please ensure the product is installed a distance of at least three times the duct diameter away from exterior wall air inlets, or air exhausts for the prevention of short circuits.

● Temperature conditions

- Condensation may form on the product when outside air temperature is low, and the temperature and humidity surrounding the product are high. Don't intake the air of below 0°C into the fresh air intake kit.
- The upper limit of the product's temperature range should respond to the outdoor temperature range.

● About duct fan

- When installing the duct fan, connect the drive relay (field supplied) and operate with the indoor unit.
- Please ensure the intake air volume is below 10% of the product's air volume HI. When the intaken air volume becomes too large there the operating noise may increase and room temperature detection may be affected.

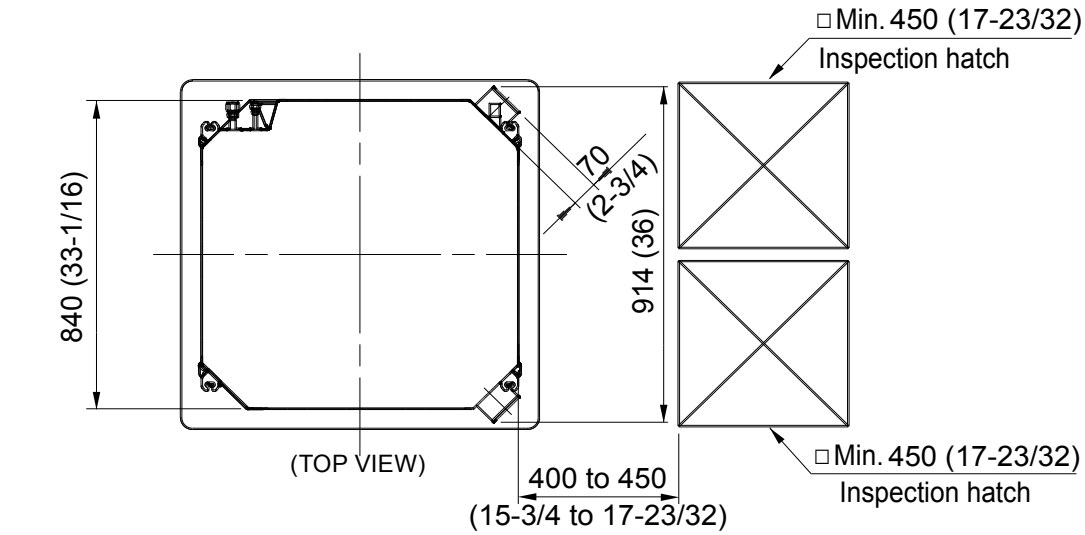
● About the duct connection

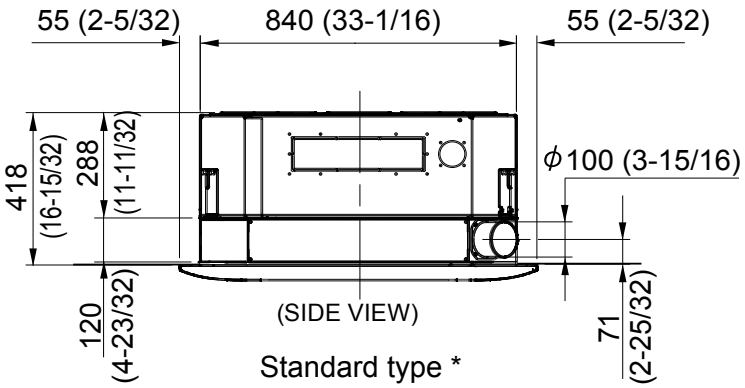
- Procure a duct with internal diameter that fits the external diameter of the duct flange.
- Please note that regulations of some countries may require the use of a nonflammable duct.
- If the duct penetrates a fire-retarding division or other fire-proofing measures, the installation of fire dampers, or a construction that does not adversely affect fire control measures is a regulatory requirement of some countries.
- When using metallic ducts please ensure metals (i.e., metal lath, wire lath, stainless sheeting) are electrically insulated. (A short occurring by electrical connection can cause fire)
- Please ensure to thermally insulate connected ducts to prevent condensation.
- Please make certain that netting or other measures are installed in parts exposed to the outside air to prevent infiltration of small animals such as birds and insects.
- Please be certain to install external air filters to parts exposed to the outside air for heat exchanger protection of indoor equipment.
- Please avoid the infiltration of rain water by installing outside ducts with an incline of at least 1/30, and fitting hoods on openings.

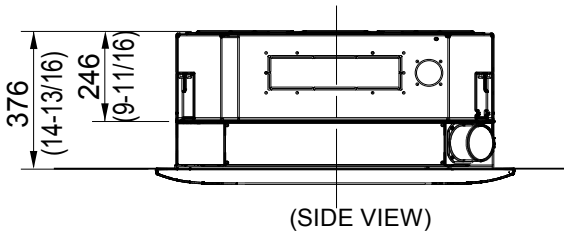
SYSTEM DESIGN

■ DIMENSIONS

Unit : mm (inch)





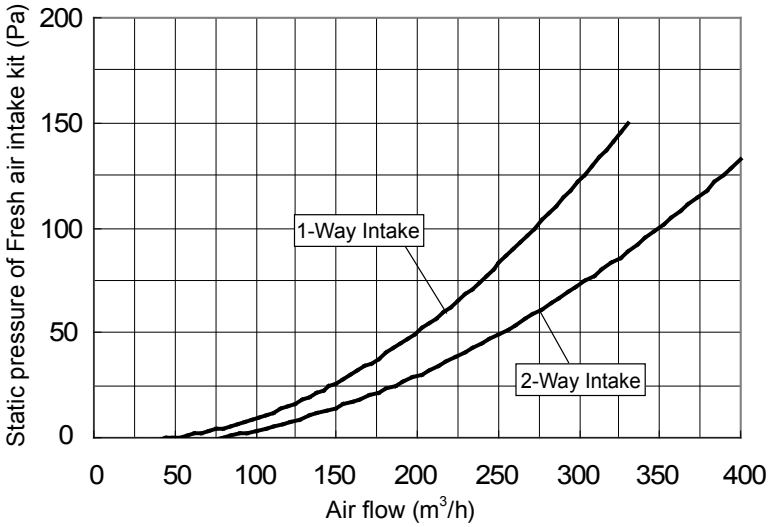


* : The size is different according to indoor unit used.

- When installing this kit, inspection hatch is necessary. (It is necessary when servicing.) Either one of inspection hatches must be installed.

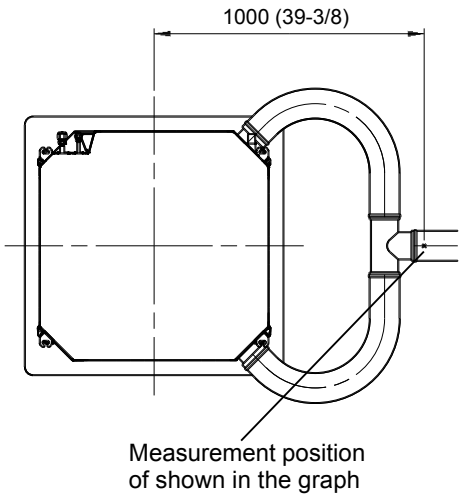
SYSTEM DESIGN

■ AIR FLOW

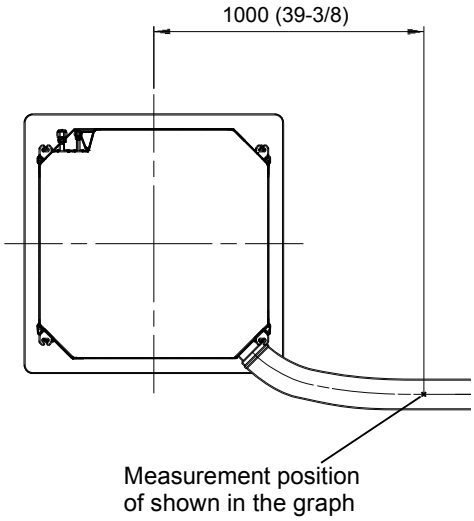


Unit:mm (inch)

for 2-Way Intake



for 1-Way Intake



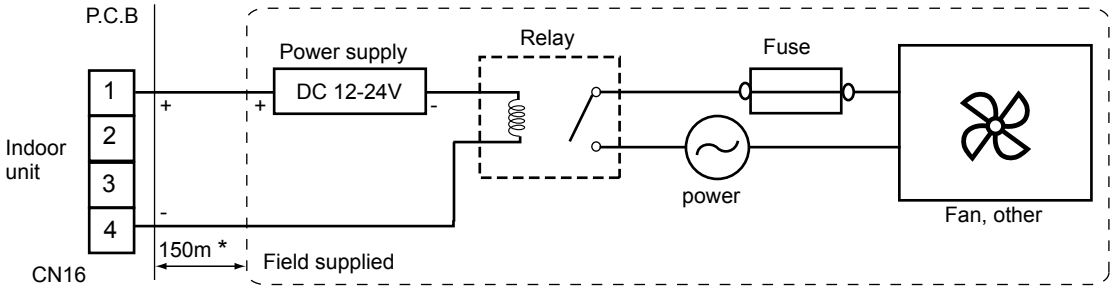
SYSTEM DESIGN

■ FRESH AIR CONTROL OUTPUT

- You can control duct fan by synchronization with fan operation of indoor unit.
- Wire for fresh air control output is supplied with Fresh Air Intake Kit.
- Extended length of the wire : Max. 150m

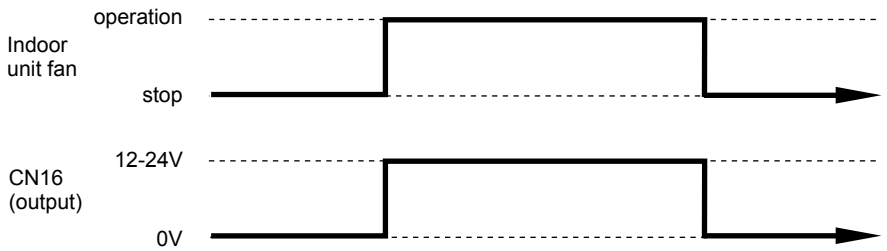
● Connection diagram

- For Relay Output voltage : DC12 - 24V
  Permissible current : 30mA

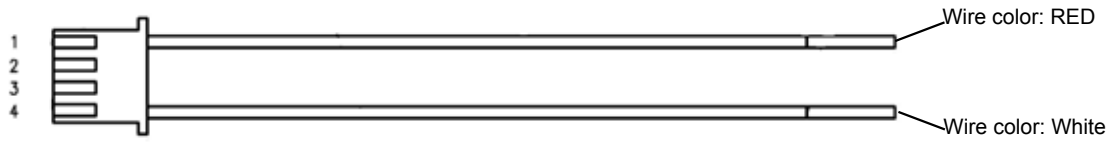


* : Make the distance from the PC board to the Relay Unit within 150 m

● Indoor unit status



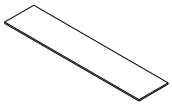
● Wire (External output ②)



SYSTEM DESIGN

■ ACCESSORY PARTS

Name and shape	Q'ty	Application
Installation manual	1	
Duct Flange	2	Air joint for connecting duct
Cover	2	Protective cover to prevent surface condensation
Screw	16	For Attaching duct flange For Attaching Cover
Hook plate	4	Plate for attaching panel
Shutter plate	1	Shutter plate for 1-way intake
Insulation ①	2	Affixing the insulation outside of the kit
Insulation ②	1	Affixing the insulation to tube of drain pump for prevent condensation

Name and shape	Q'ty	Application
Insulation ③ 	3	Affixing the insulation outside of the kit
Insulation ④	4	Affixing the insulation outside of the cover
Binder	1	Fixing tube of drain pump
Extension wire for louver	2	Extension wire for louver
Extension wire for receiver kit	1	Extension wire for receiver kit
Wire (External output ①)	1	For connect indoor unit to relay of duct fan
Wire (External output ②)	1	For connect indoor unit to relay of duct fan
Bolt	4	For attaching the kit to indoor unit

SYSTEM DESIGN

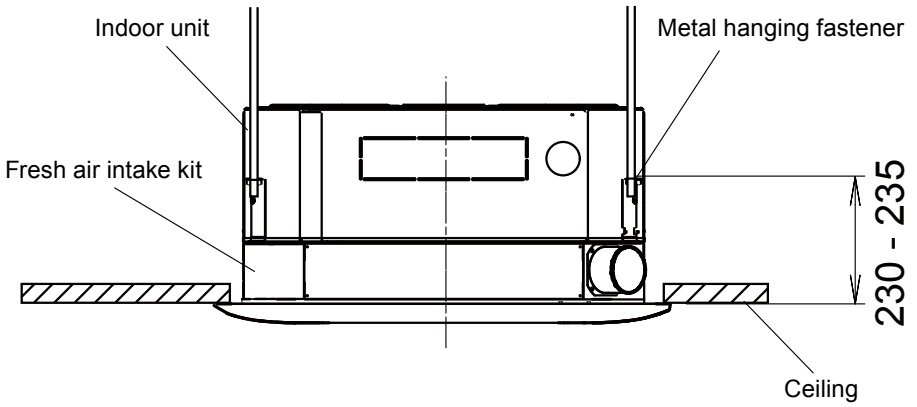
SYSTEM DESIGN

■ INSTALLATION

● Mounting of indoor unit

- Please refer to the installation manual provided with the indoor unit for mounting.
- Please refer to the diagram below for installation height.
- When installing this product to existing indoor units, please adjust the installation height of the indoor units to height 230-235mm.

(Unit : mm)

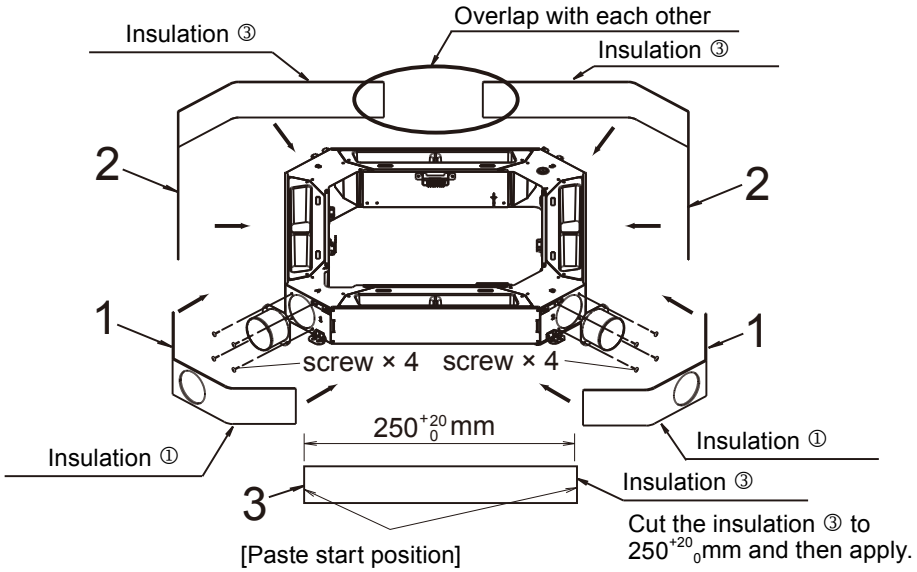


● Pre-installation preparations

- Please attach the duct flange provided with screws.
- The Fresh Air Intake Kit can be used with an external air intake on just one side. Use included sealed plate to apply for different eye holes.
- Please apply Insulation ① to the installed duct flange parts (Do not apply to sealed areas).

[When taking in the air in two sides]

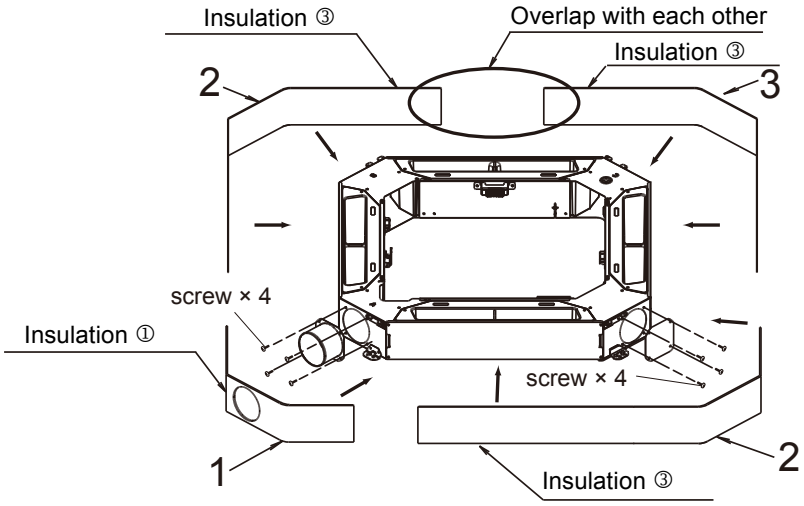
Please paste the insulation in the order shown in the figure below.



When pasting, make sure that there is no gap between the INSULATION ② (overlap is allowed)

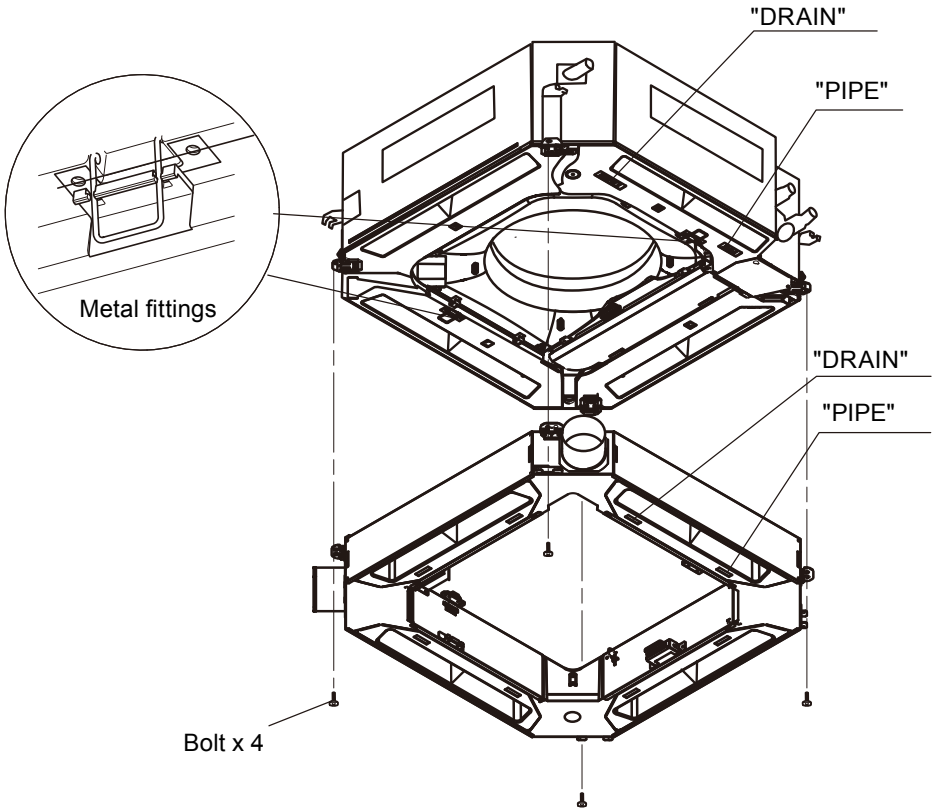
SYSTEM DESIGN

[When taking in the air in one side]
Please paste the insulation in the order shown in the figure below.



● Attaching the Fresh Air Intake Kit

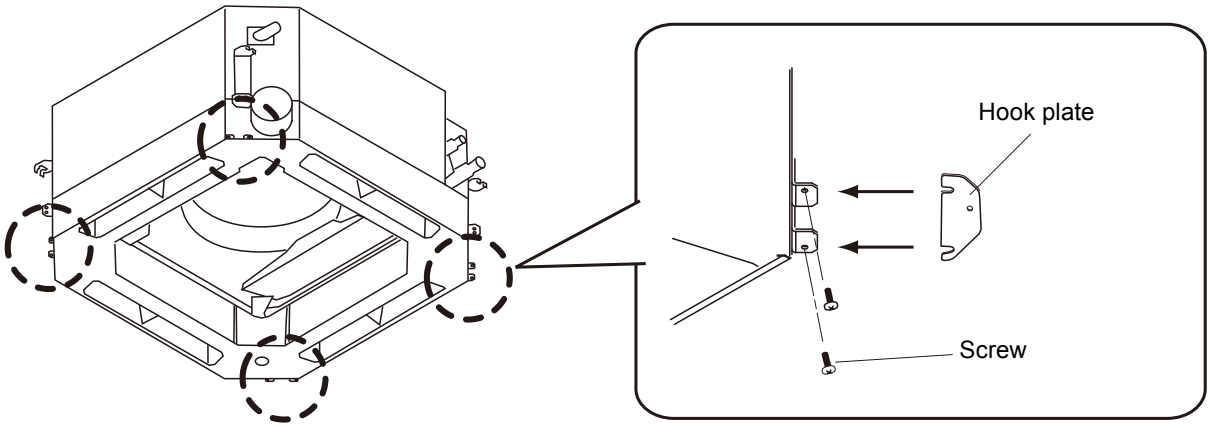
Attach the Fresh Air Intake Kit to the main body using the bolts provided.



SYSTEM DESIGN

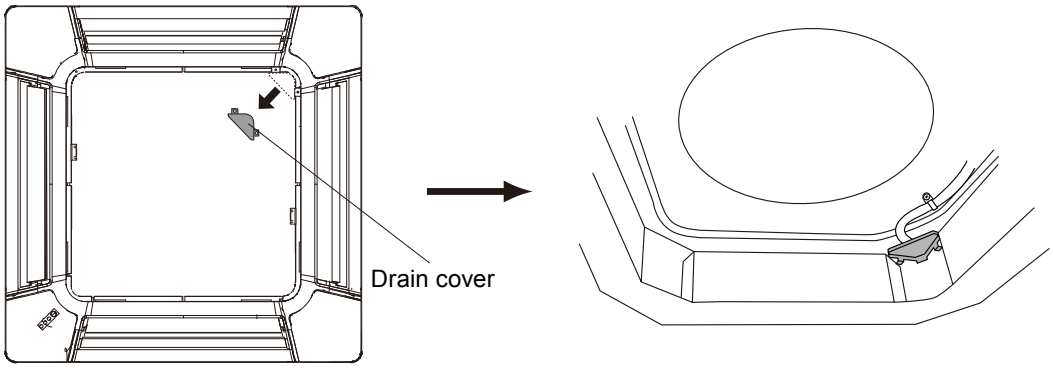
● Attaching the Hook Plate

Attach the Hook Plate by each corner of the Fresh Air Intake Kit.
(The attaching screws are attached to the body of the Fresh Air Intake Kit and must be loosened before installing)

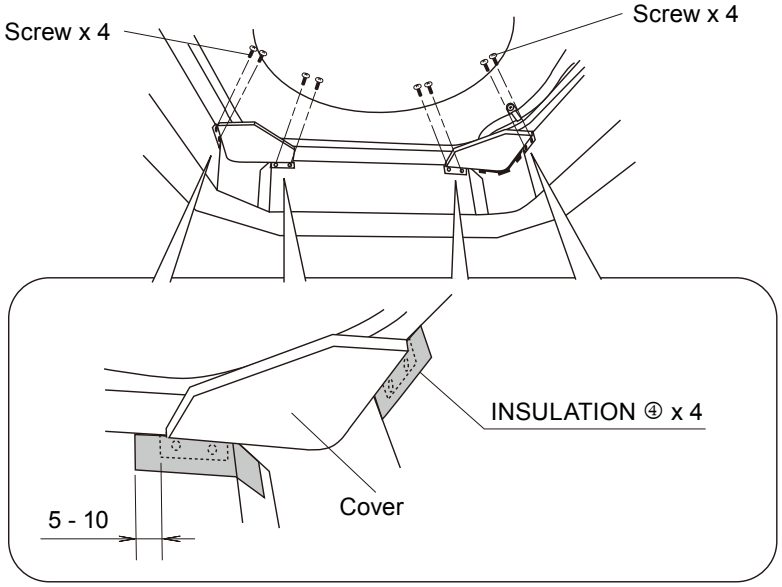


● Cover installation

1) Remove the drain cover attached to the decorative panel and install onto the Fresh Air Intake Kit.



2) Set the cover in position with screws(2 places) as shown in the diagram. Apply the INSULATION ④ after installing the cover.



SYSTEM DESIGN

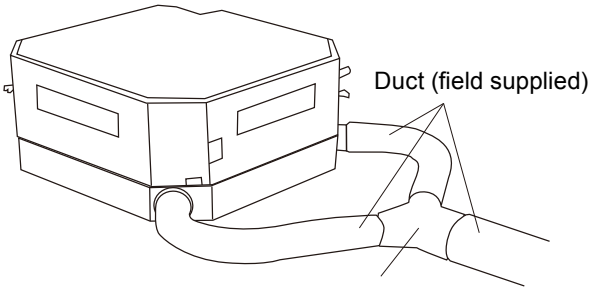
● Duct installation

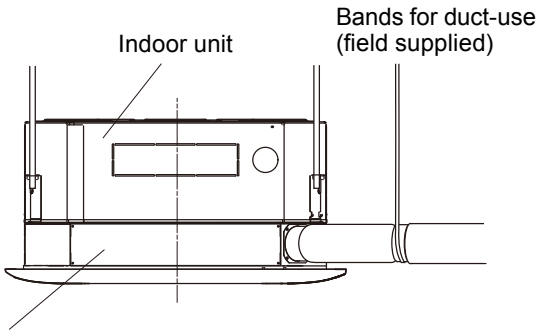
1) Please fasten the connecting parts of the ducts with bands, and wrap with vinyl tape to ensure no air leaks.
(Carry out the work to ensure no air leakage at a pressure of 200 Pa)

● Please do not construct the duct in the manner of below.
○Extreme Bends
○Highly Repetitive Bends
○Making the Connecting Duct Diameters Smaller

2) When using T-shaped pipe, suspend the kit with suspension bands for duct-use to avoid unnecessary load bearing.

[Completion figure]

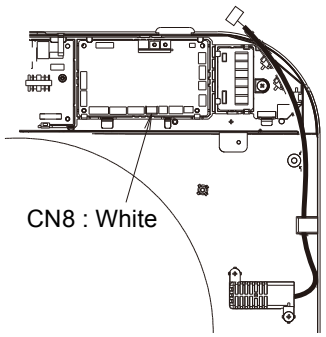




When wiring of the duct fan is required please refer to "■FRESH AIR CONTROL OUTPUT".

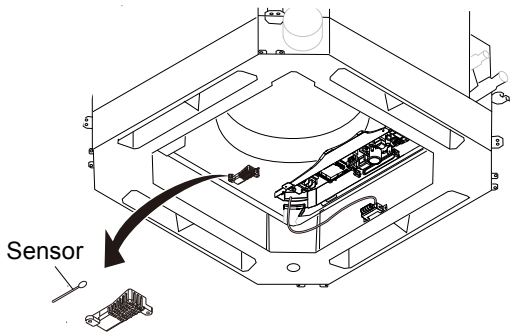
● Pre-installation (Decoration panel) preparations

1) Please remove the control box cover.
2) Remove the connecter from the existing temperature sensor, found on the circuit board of the indoor unit.



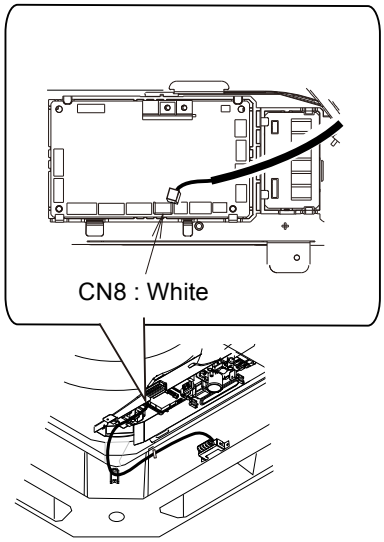
3) The existing temperature sensor will not be used so remove it from the sensor holder, and once more install the empty sensor holder (without sensor) in the control box.

⚠CAUTION
Please make sure to install the sensor holder inside the control box, as it is a fire hazard. Otherwise, it may cause fire.



SYSTEM DESIGN

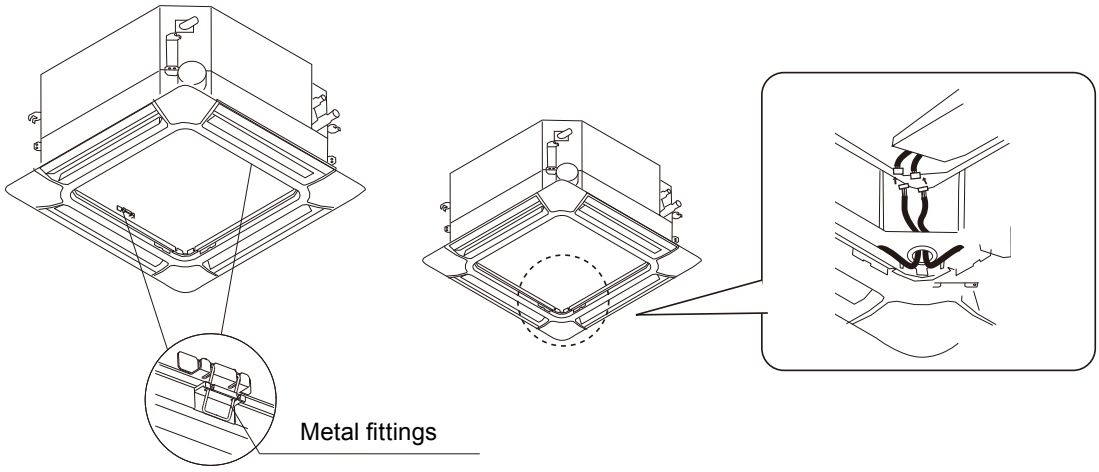
4) Insert the connector of the sensor attached to the Fresh Air Intake Kit onto the substrate board of the indoor unit.



5) Insert the included extension cable for use with louver to the connector.
6) When using the optical receiver unit (option) please insert the included extension wire to the indoor unit.
7) Close the control box cover when work is complete.

● Installation of decoration panel

1) After provisional fixing of a decoration panel, feed the louver extension wire (and optical receiver extension wire) through the penetrating hole.
2) Connect to the connector wires coming out of the decoration panel.
3) Please install decoration panel according to the installation instruction sheet provided.



SYSTEM DESIGN

6-11. REFRIGERANT LEAKAGE CAUTION

The installer and system specialist shall secure safety against leakage according to local regulations or standards. The following standards may be applicable if local regulations are not available.

6-11-1. INTRODUCTION

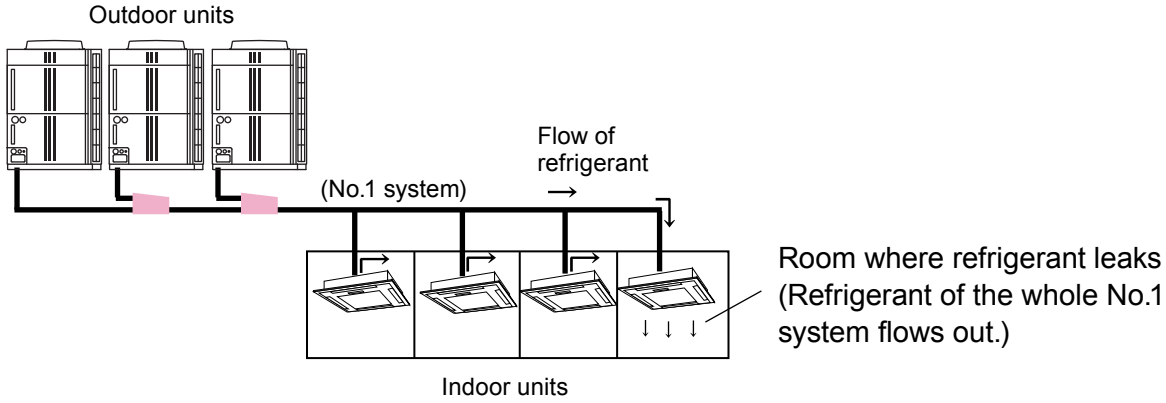
This air conditioners use R410A as refrigerant. Though R410A is harmless and incombustible in itself, the room in which the air conditioner is installed should be large enough that the refrigerant gas will not exceed the concentration limit even if the refrigerant gas leaks.

● Concentration limit

Concentration limit is the limit of Freon gas concentration where immediate measures can be taken without hurting the human body when refrigerant leaks in to the air.

The concentration limit shall be described in units of Kg/m^3 (Freon gas weight in per m^3 air) to facilite calculation.

Concentration limit : $0.3kg/m^3$



SYSTEM DESIGN

6-11-2. CHECKING CONCENTRATION LIMIT

Check concentration limit following steps ①②, and take appropriate measures depending on the situation.

① Calculate amount of all replenished refrigerant (kg) per refrigerant system.

Amount of replenished refrigerant per refrigerant system	+	Amount of additional replenished refrigerant	=	Total amount of replenished refrigerant in refrigerant system (kg)

Amount of replenished refrigerant at factory shipment

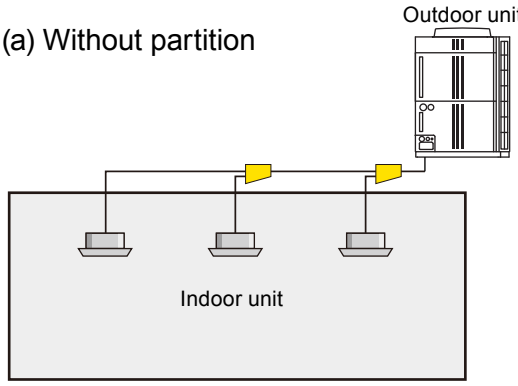
Amount of additionally replenished refrigerant depending on piping length , piping diameter and indoorunit model at customer.

Note : When one refrigerant system is divided into 2 or more refrigerant systems and each system is independent, total amount of replenished refrigerant of each system shall be adopted.

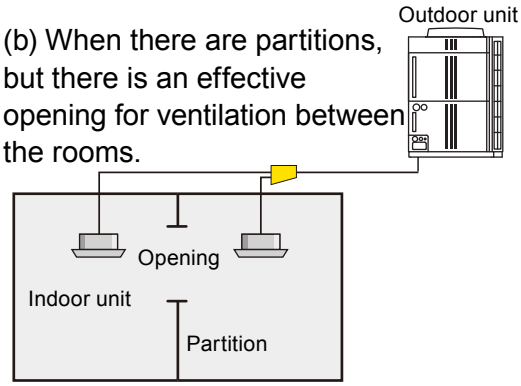
② Smallest room volume.

Calculate room volume by regarding ▭ portion as one room or the smallest room.

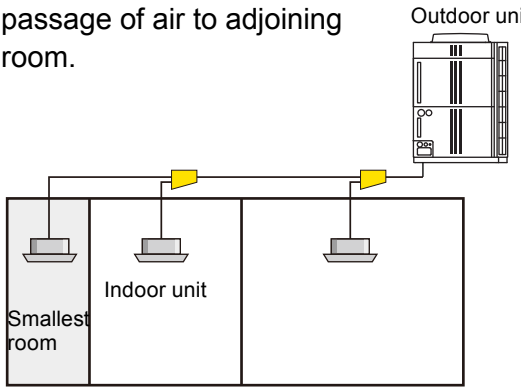
(a) Without partition



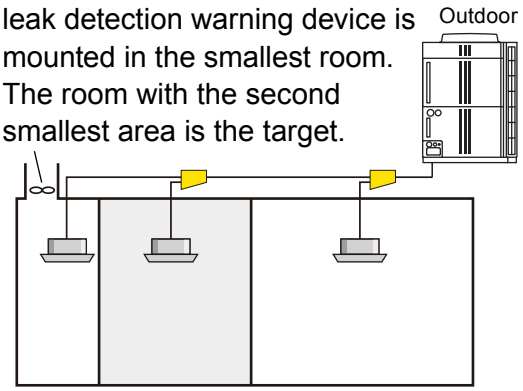
(b) When there are partitions, but there is an effective opening for ventilation between the rooms.



(c) With partition and without opening which serve as passage of air to adjoining room.



(d) When a mechanical ventilation device linked to a gas leak detection warning device is mounted in the smallest room. The room with the second smallest area is the target.



③ Calculate refrigerant concentration from the results of ① and ②

$$\frac{\text{Total amount of replenished refrigerant in refrigerant facility (kg)}}{\text{Capacity of smallest room where indoor unit is installed (m}^3\text{)}} \leq \text{Refrigerant concentration (kg/m}^3\text{)}$$

(R410A)

When the result of calculation exceeds the limiting concentration,perform the same calculations by shifting to the second smallest,and the third smallest rooms until the final result is below the limiting concentration.

SYSTEM DESIGN

When concentration limit is exceeded

When the concentration limit is exceeded,change the original plan or take one of the countermeasures shown below.

● Countermeasure 1

Provide opening for ventilation.

Provide 0.15% or more opening to floor space both above and below or provide opening without door.

● Countermeasure 2

Reduce the total refrigerant charging amount of the refrigerant equipment

(1) Shorten the length of the refrigerant pipes

Move the location of the outdoor unit closer to the indoor unit, and reduce the total refrigerant charging amount by shortening the length of the refrigerant pipes.

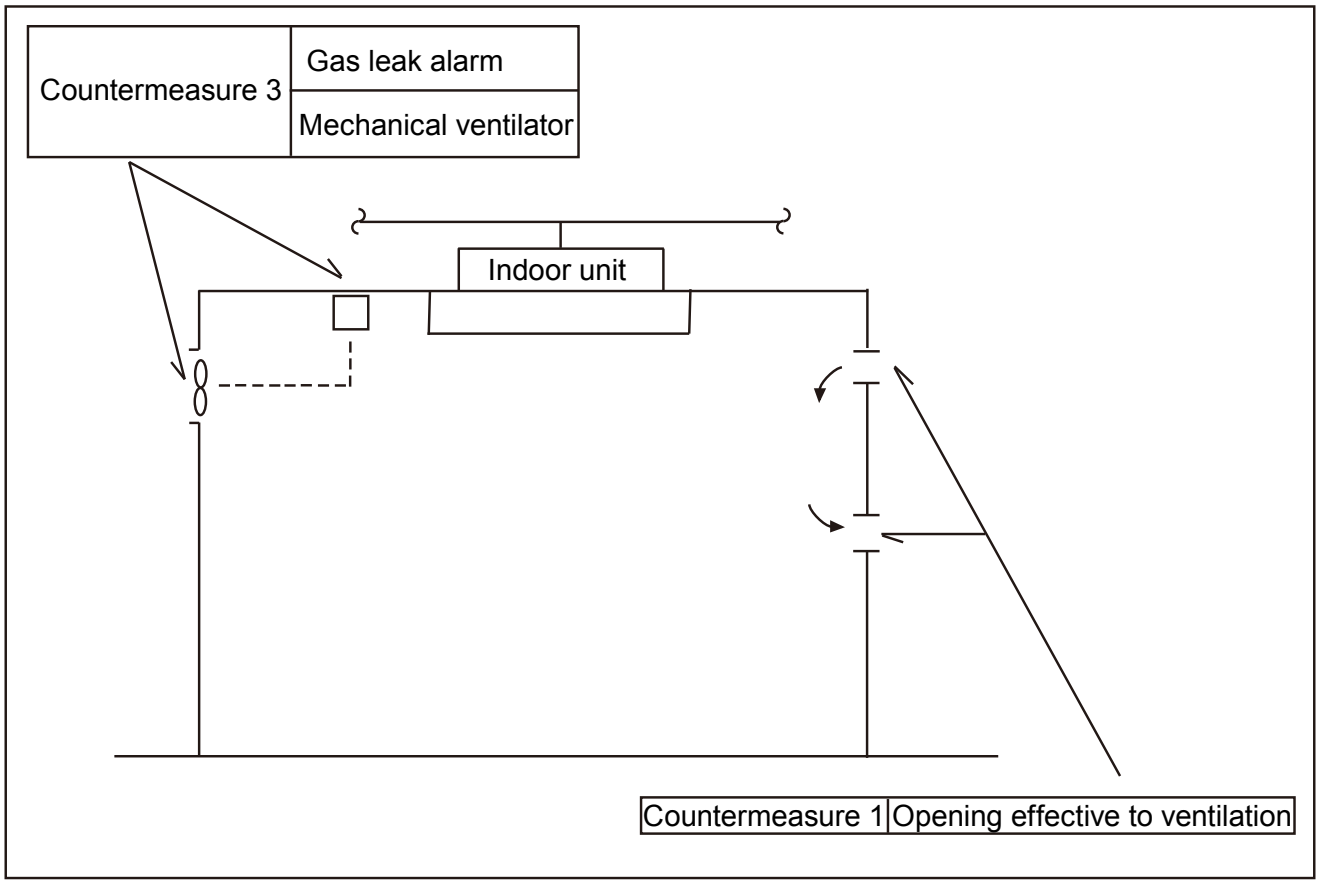
(2) Lower the capacity of the outdoor unit.

Separate the outdoor unit into multiple units to lower the outdoor unit capacity for each refrigerant system and reduce the refrigerant charging amount.

For example, by changing a 20HP × 1 unit system to a 10HP × 2 units system, the refrigerant amount for each refrigerant system can be reduced by about half.

● Countermeasure 3

Provide gas leak alarm linked with mechanical ventilator.



Pay special attention to the place, such as a basement, etc. When refrigerant can accummalate, since refrigerant is heavier than air.

SYSTEM DESIGN

6-12. COMPATIBILITY OF VRF SYSTEM

■ COMPATIBILITY OF OUTDOOR UNIT AND INDOOR UNIT

● OUTDOOR UNIT AND INDOOR UNIT

Compatibility of outdoor unit and indoor unit in refrigerant system as follows.

			Indoor unit		
			V- II series	V series	S series
Outdoor unit	V- II series	Heat Pump Cooling Only	○ OK	× No good	× No good
	V series	Heat Pump Cooling Only	× No good	○ OK	× No good
	S series	Heat Pump Cooling Only	× No good	○ OK	○ OK
		Heat Recovery	× No good	○ OK	○ OK

- Applicable S series outdoor unit
  Heat Pump, Cooling Only : Model change code "C"
  Heat Recovery : Model change code "C"
- Applicable S series Indoor unit
  Model change code "C" or later

● Example cases for compatibility

	Outdoor unit	Indoor unit	Judgement
Case 1	V- II series	V- II series	○ OK
Case 2		V series or S series	× No good
Case 3	V series	V series	○ OK
Case 4		V- II series or S series	× No good
Case 5	S series	V series or S series	○ *1, *2 OK
Case 6		V- II series	× No good

*1 : Following model of V series indoor unit can not be connected to S series outdoor unit.
ARXC90 High static pressure duct model.

*2 : Following model of V series indoor unit can not be connected to S series Heat Recovery outdoor unit. AS∗E07,09,12,14 Compact wall mounted model.

SYSTEM DESIGN

■ COMPATIBILITY OF CONTROLLER SYSTEM

				Model	V- II series	V series or S series
Controller	Central Controller	System Controller		UTY-APGX	○ OK	○ OK
		Touch Panel Controller		UTY-DTG∗	○ OK	× No good
		Group Remote Controller		UTY-CGG∗	○ OK	× No good
	Individual Controller	Wired Remote Controller		UTY-RNK∗	○ OK	× No good
		Simple Remote Controller (with master control)		UTY-RSK∗	○ OK	× No good
		Simple Remote Controller (without master control)		UTY-RHH∗	○ OK	× No good
		Wireless Remote Controller		UTY-LNH∗	○ OK	× No good
Adaptor / Convertor		External Switch Controller		UTY-TEKX	○ OK	○ OK
		IR Receiver unit (for all Duct type)		UTB-∗WB	○ OK	× No good
		IR Receiver unit (for Cassette type)		UTY-LRHYA1	○ OK	× No good
		Signal amplifier		UTY-VSGX	○ OK	○ OK
		Network Convertor		UTY-VGGX	○ OK	× No good
		Network Convertor for LONWORKS®		UTY-VLGX	○ OK	× No good
Service and Maintenance		Service Tool		UTY-ASGX	○ OK	○ OK
		Web Monitoring Tool		UTY-AMGX	○ OK	○ OK

SYSTEM DESIGN

6-13. INSTALLATION PRECAUTIONS

6-13-1. INDOOR UNIT INSTALLATION PRECAUTIONS

■ PLACES WHERE USE PROHIBITED

- Places where there is the danger of combustible gas leakage.
- Places where sulfur gas, chlorine gas, acid, alkali, or other matter which effects equipment is generated
- Places where there is a lot of oil splash and steam (kitchen, machinery room, etc.)
- Places where machinery which generates high frequencies is used
- Ocean beaches and other areas where there is a lot of salt
- Places where carbon fibers and metal powder, powder, etc. suspended in the air
- Installation in vehicles, ships, and other conveyances
- Factory, etc. where voltage fluctuations are large

■ POINTS TO REMEMBER WHEN INSTALLING

1) The set shall be installed at a place which can withstand the weight and vibration of the indoor unit

2) To allow maintenance after refrigerant piping, drain piping, and electric wiring connection and installation, provide an installation service space and an inspection port, as required.

*Installation service space is shown in the dimensions.

3) Be careful when installing the set at the following places.

[Installation precautions]

	Contents	Countermeasures (Reference)
When the ceiling is high	If the indoor unit is installed where the installation height given in the installation manual is exceeded, the temperature difference between the floor and ceiling of the room will be large and the heating effect will be poor. Moreover, even if the indoor unit is installed within the installation height, a similar phenomena will occur when installed in a room in which the doors are opened and closed frequently and hot air circulation is obstructed by desks, chairs, etc.	1) Switch the setting to the high ceiling mode. 2) Install a circulator. 3) Arrange the furniture in the room so that it does not obstruct the hot air.
When lower level directly contacts the outside air.	When the lower level of the shop and office is a warehouse, parking lot, etc., the surface temperature of the flooring will become low and the radiation of cold from the floor will increase. In this case, your feet will feel cold even if the room temperature is suitable.	
When the air flow distribution is poor	When an indoor unit is installed in a position where the outlet air flow will directly contact people, a draft may be felt. In addition, when there are obstructions in the path of the intake and outlet air flow, the air distribution may become extremely bad.	1) Adjust the louver fins or take other measures matched to the site. 2) Change the indoor unit outlet.

SYSTEM DESIGN

[Installation precautions]

	Contents	Countermeasures (Reference)
When inside the ceiling is high temperature and high humidity	When the indoor unit is installed where the inside of the ceiling is 30°C RH80% or greater, the dew point temperature of the outer perimeter may become higher than the cabinet surface temperature and moisture will condense on the surface of the cabinet and water drops may fall inside the room. →Refer to Fig.A In addition, the humidity may vary considerably the same as when the inside of the ceiling is close to hermetically sealed and used as the outside air intake path.	1) Add heat insulating material to the outside of the indoor unit cabinet. *Regarding the cassette type, use of the “high humidity correspondence kit (option)” is recommended. 2) Strengthen the heat insulating material of the refrigerant piping and drain piping also →Refer to Fig.B 3) When the humidity inside the ceiling changes considerably, install a ventilation port

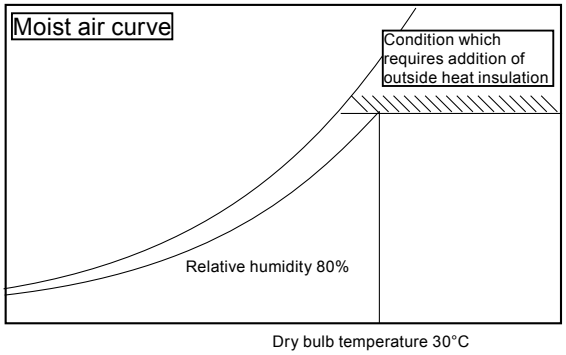


Fig.A

Work method when reinforcing the heat insulation of on-site piping

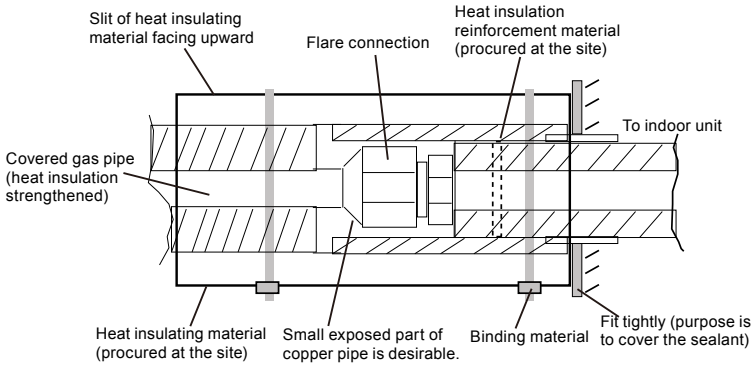


Fig.B

	Contents	Countermeasures (Reference)
When using an external duct	When using an external duct to take in new fresh air, etc., condensation may form on the surface of the duct due to the effect of the outside air temperature and the humidity inside the ceiling.	1) Always perform heat insulation processing. (Heat insulating material: Glass wool 25mm thick or more.)
When the remote controller installation site is bad	If the cold or warm air blown out from the air conditioner directly contacts the thermostat section of the remote controller, the outlet temperature of the air conditioner may be sensed and room temperature control will be different from the room temperature and “not cooled” or “not heated” or other trouble may occur. In addition, there is the possbility that the same kind of trouble may also occur when the remote controller is effected by direct sunlight.	1) Install the remote controller where it will not be directly exposed to the cold or hot air. 2) Install the remote controller where it will not be directly exposed to sunlight or strong lighting

SYSTEM DESIGN

[Installation precautions]

	Contents	Countermeasures (Reference)
When installation environment is quiet	When the wall mounting type was installed in a bedroom, living room, or other quiet place, the sound of the refrigerant flow may be sensed as noise and must be taken into accunt.	1) Plan installation of a model with external expansion valve. 2) Plan installation using another air conditioner.
When installing duct type in ceiling chamber system	In the case of the ceiling chamber system (duct is not installed at indoor unit inlet side and room air is sucked into the indoor unit through the inside of the ceiling), the thermistor inside the indoor unit may not correctly detect the room temperature. Heating operation: Room is not heated because the indoor unit is easily turned off by the thermostat. Cooling operation: Room is too cold because the indoor unit is difficult to turn off by the thermostat.	1) Replace the indoor unit thermistor with a Remote sensor unit (optional parts) and install the sensor where the room temperature can be correctly detected
When the outlet air is sucked in at duct type	Cooling operation does not cool the room and heating operation does not heat the room because the short circuited indoor unit is not turned on by the thermostat.	1) Reconsider the ventilation port construction 2) Replace the indoor unit thermistor with a Remote sensor unit (optional parts) and install the sensor where the room temperature can be correctly detected.

SYSTEM DESIGN

6-13-2. OUTDOOR UNIT INSTALLATION PRECAUTIONS

■ PLACES WHERE USE PROHIBITED

- Places where there is the danger of combustible gas leakage
- Places where sulfur gas, chlorine gas, acid, alkali, or other matter which effects equipment is generated
- Places not affected by heat radiation from other heat sources
- Places where the air is not stagnant
- Places where machinery which generates high frequencies is used
- Ocean beaches and other areas where there is a lot of salt
- Installation in vehicles, ships, and other conveyances
- Factory, etc. where voltage fluctuations are large

■ POINTS TO REMEMBER WHEN INSTALLING

1) The set shall be installed at a place which can withstand the weight and vibration of the outdoor unit

2) To allow maintenance after refrigerant piping, drain piping, and electric wiring connection and installation, provide an installation service space.

*Installation service space is shown on "3-3.INSTALLATION SPACE"

3) Be careful when installing the set at the following places.

[Installation precautions]

	Contents	Countermeasures (Reference)
When installed near adjacent houses	Perform installation work so that operating sound does not disturb the neighbors.	1) Install a soundproof barrier 2) Change the installation site
When there is the possibility of strong wind	1) If the outdoor unit is exposed to strong wind, capacity may drop, frost may form during heating, and operation may be stopped by high pressure rise. In addition, when a very strong wind blows, the fan may be damaged. 2) When a very strong wind blows, there is the possibility of the outdoor unit being toppled over if held only by foundation bolts	1) Install with the outlet side 1000mm or more away from a facing wall or fence. 2) Make the outlet direction and wind direction perpendicular. 3) Fasten the outdoor unit using toppling prevention hardware (procured at the site).
When snow accumulates	If the outdoor unit is covered by accumulated snow, it may not be able to operate.	1) Make the foundation as high as possible. 2) Perform snow prevention work.

SYSTEM DESIGN

Refrigerant R410A
INVERTER

AIRSTAGE™ V-II
Variable Refrigerant Flow System

7. OPTIONAL PARTS

7-1. SEPARATION TUBE

■ CONNECTION CAPACITY

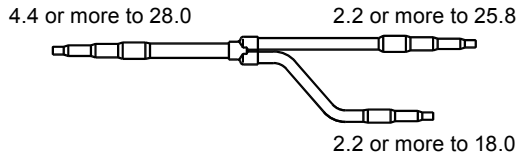
Total cooling capacity of indoor units (kW)	Separation tube
28.0 or less	UTR-BP090X
28.1 to 56.0	UTR-BP180X
56.1 or more	UTR-BP567X

28.0, 28.1, 56.0, and 56.1 are the total values for the indoor unit cooling capacity connected downstream

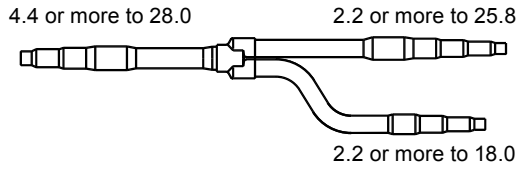
(UNIT : kW)

UTR-BP090X

Separation Tube (liquid pipe)

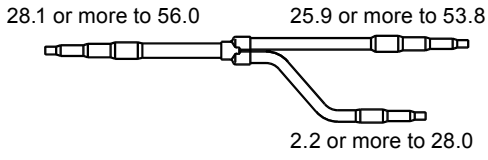


Separation Tube (gas pipe)

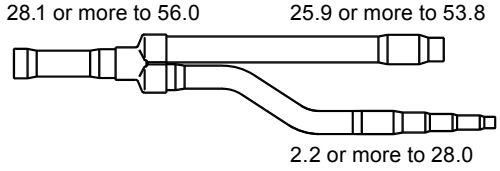


UTR-BP180X

Separation Tube (liquid pipe)

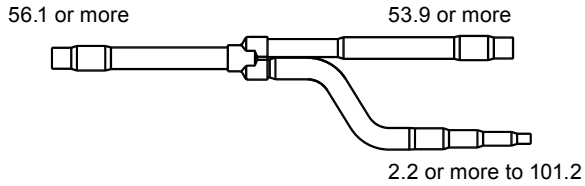


Separation Tube (gas pipe)

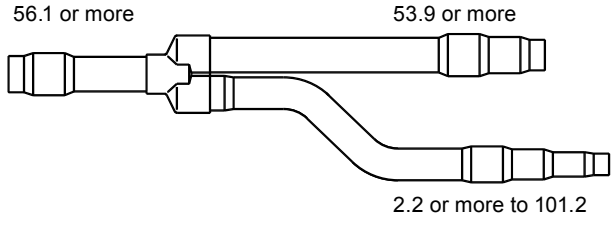


UTR-BP567X

Separation Tube (liquid pipe)



Separation Tube (gas pipe)



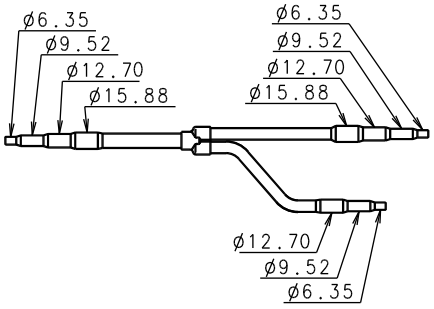
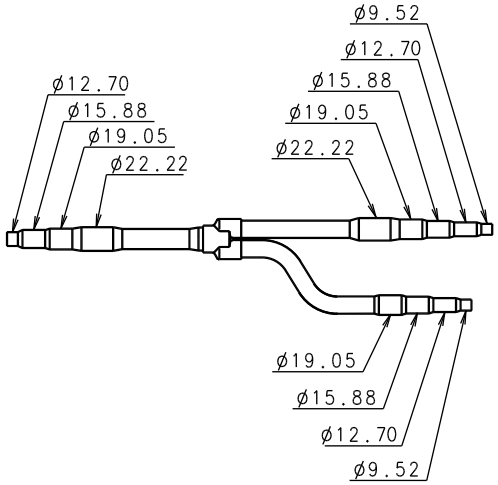
OPTIONAL PARTS

OPTIONAL PARTS

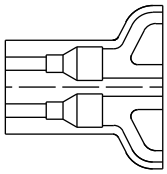
(Unit : mm)

■ UTR-BP090X

● Port diameters

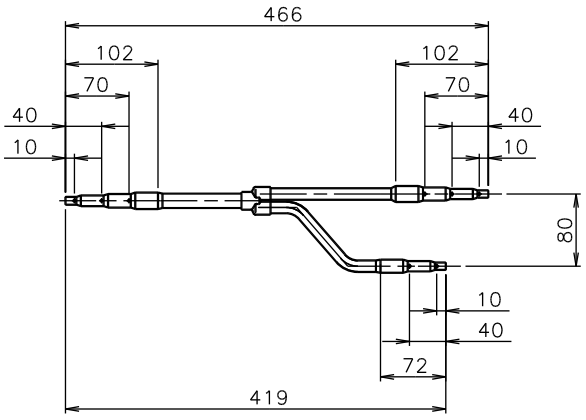
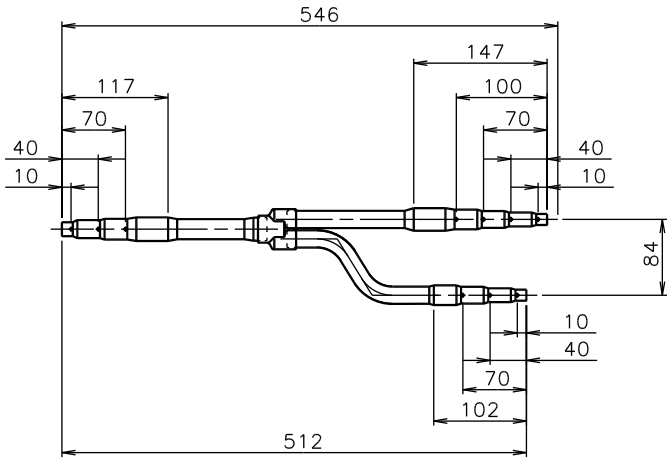
Liquid pipe	Q'ty	Gas pipe	Q'ty
	1		1

● Heat insulation

Heat insulation	Q'ty	Application
	2	Large x 1 (for gas pipe) Small x 1 (for liquid pipe)

Tape	Q'ty
	8

● Dimensions

Liquid pipe	Gas pipe
	

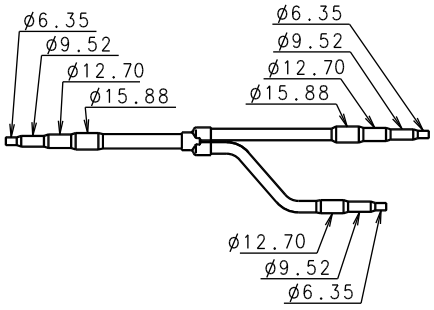
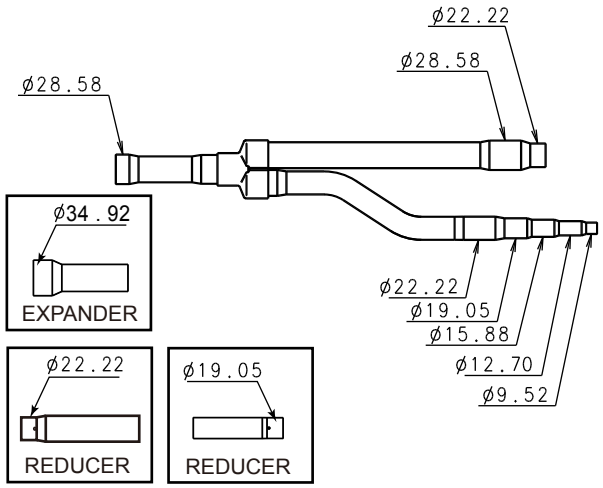
OPTIONAL PARTS

OPTIONAL PARTS

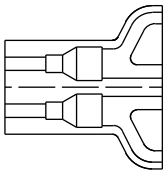
(Unit : mm)

■ UTR-BP180X

● Port diameters

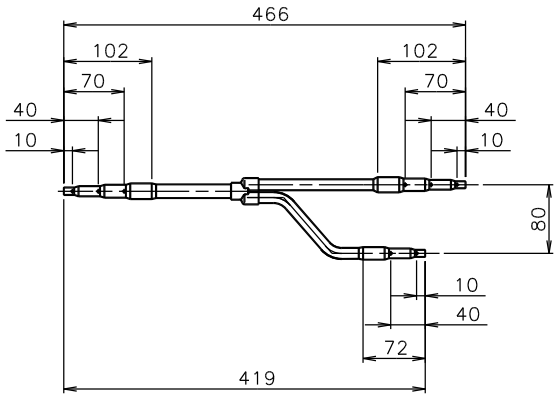
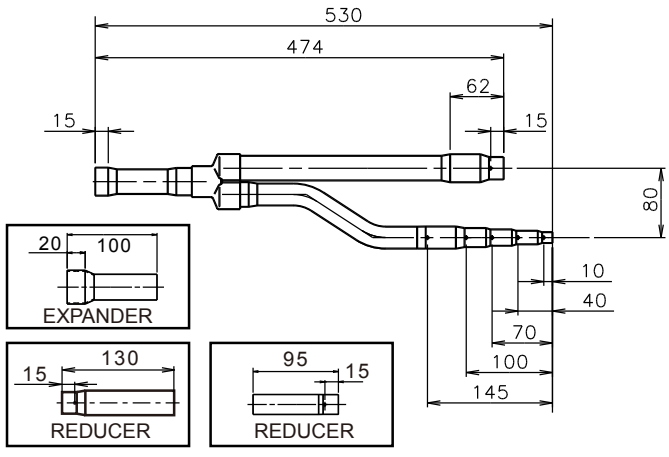
Liquid pipe	Q'ty	Gas pipe	Q'ty
	1		1

● Heat insulation

Heat insulation	Q'ty	Application
	2	Large x 1 (for gas pipe) Small x 1 (for liquid pipe)

Tape	Q'ty
	8

● Dimensions

Liquid pipe	Gas pipe
	

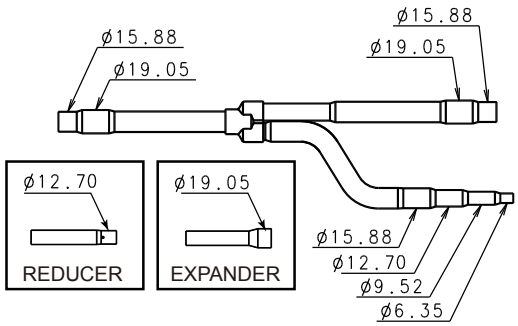
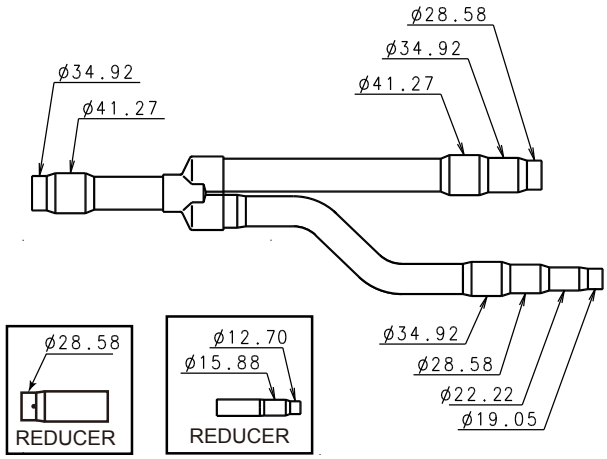
OPTIONAL PARTS

OPTIONAL PARTS

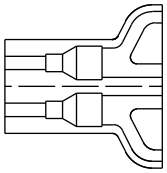
(Unit : mm)

■ UTR-BP567X

● Port diameters

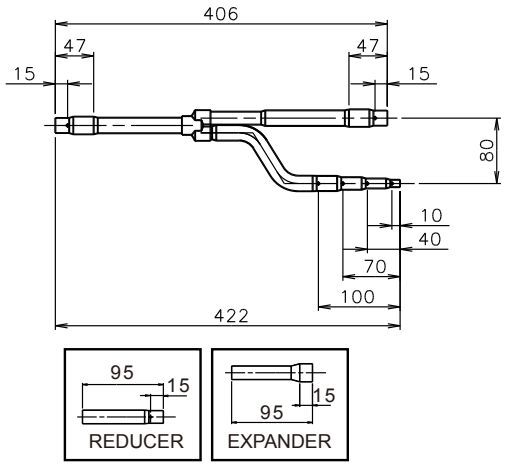
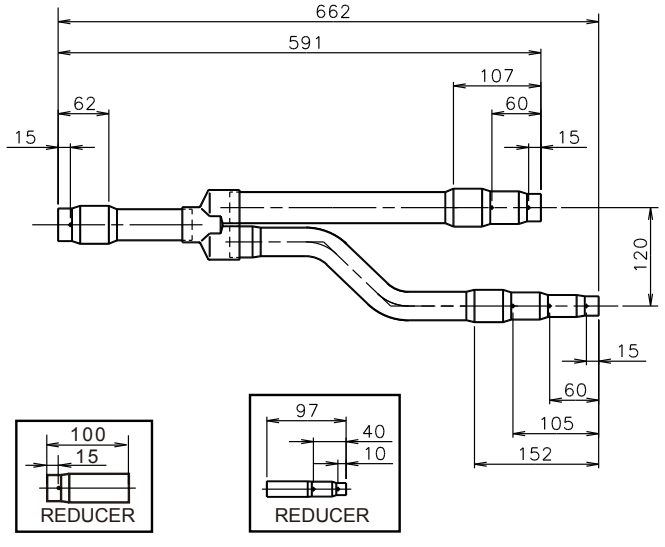
Liquid pipe	Q'ty	Gas pipe	Q'ty
	1		1

● Heat insulation

Heat insulation	Q'ty	Application
	2	Large x 1 (for gas pipe) Small x 1 (for liquid pipe)

Tape	Q'ty
	8

● Dimensions

Liquid pipe	Gas pipe
	

OPTIONAL PARTS

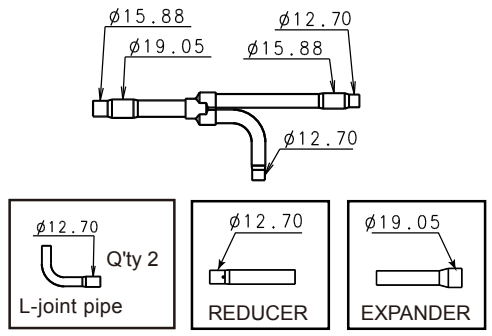
OPTIONAL PARTS

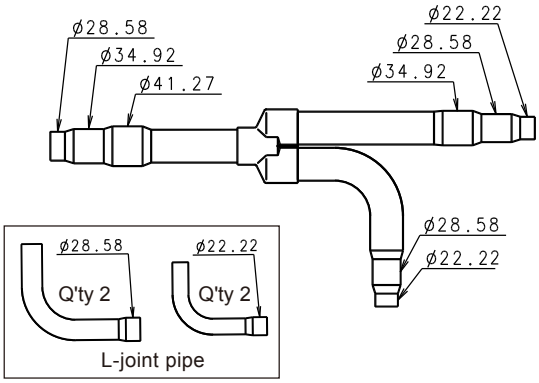
7-2. OUTDOOR UNIT BRANCH KIT

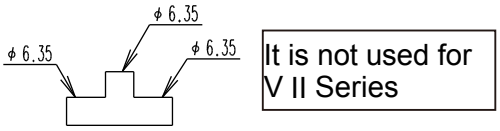
■ UTR-CP567X

(Unit : mm)

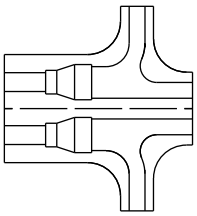
● Port diameters

Liquid pipe	Q'ty
	1

Gas pipe	Q'ty
	1

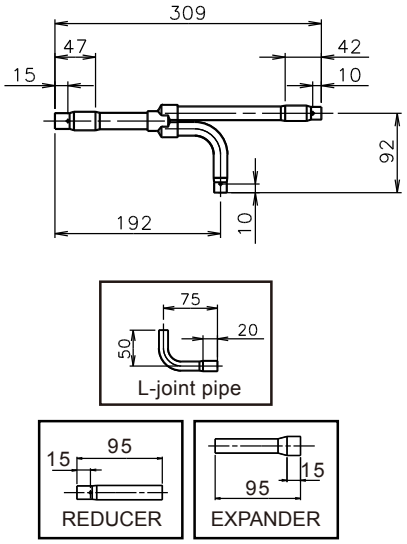
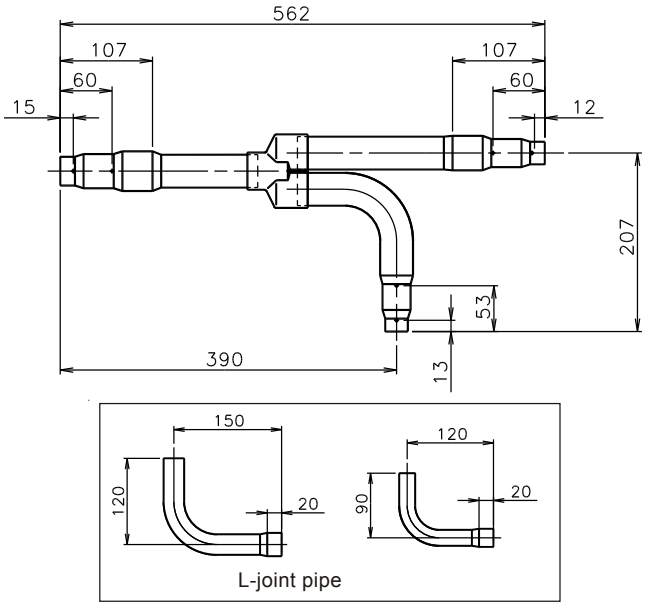
Oil joint pipe	Q'ty
 It is not used for V II Series	1

● Heat insulation

Heat insulation	Q'ty	Application
	2	Large x 1 (for gas pipe) Small x 1 (for liquid pipe)

Tape	Q'ty
 for UTR-CP567X only	8

● Dimensions

Liquid pipe	Gas pipe
	

OPTIONAL PARTS

OPTIONAL PARTS

7-3. HEADER

■ CONNECTING CAPACITY

Total cooling capacity of indoor units (kW)	Header	
	3 - 6 Branches	3 - 8 Branches
28.0 or less	UTR-H0906L	UTR-H0908L
28.1 to 56.0	UTR-H1806L	UTR-H1808L

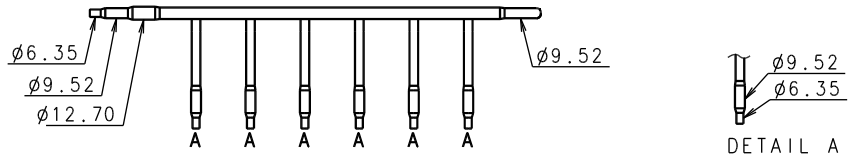
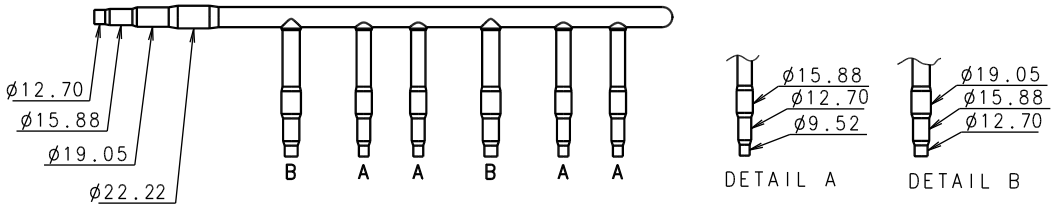
28.0, 28.1, 56.0, and 56.1 are the total values for the indoor unit cooling capacity connected downstream.

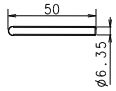
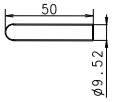
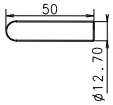
OPTIONAL PARTS

■ MODEL : UTR-H0906L

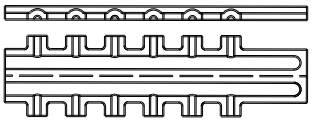
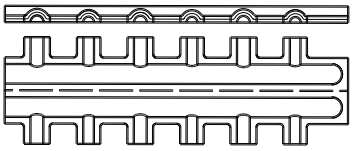
(Unit : mm)

● Port diameters

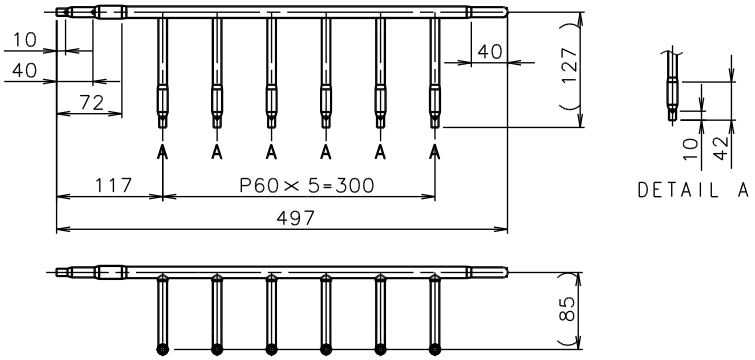
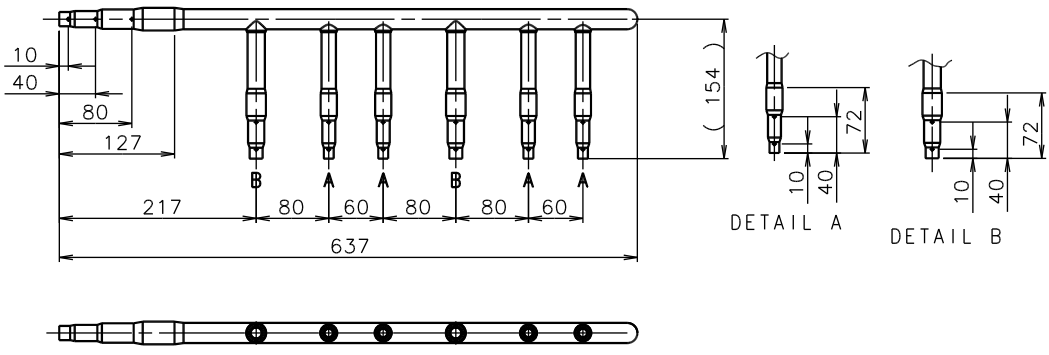
Liquid pipe	
Gas pipe	

Closed pipe A	Closed pipe B	Closed pipe C	Closed pipe insulation
			
Q'ty 4	Q'ty 2	Q'ty 2	Q'ty 6

● Heat insulation

Header insulation liquid	Header insulation gas
	
Q'ty 1	Q'ty 1

● Dimensions

Liquid pipe	
Gas pipe	

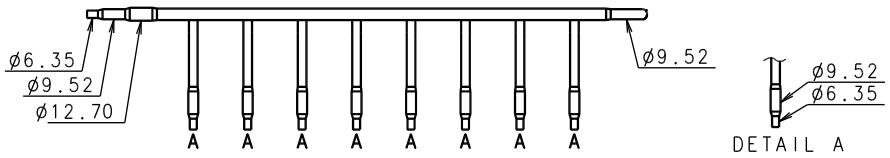
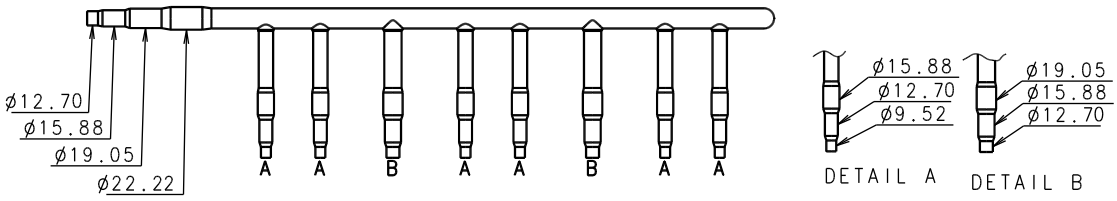
OPTIONAL PARTS

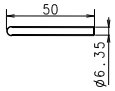
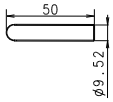
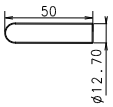
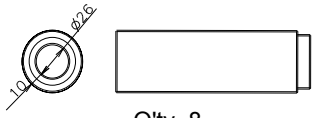
OPTIONAL PARTS

■ MODEL : UTR-H0908L

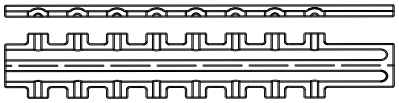
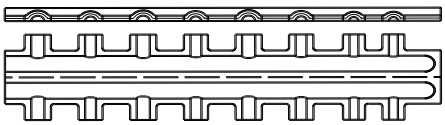
(Unit : mm)

● Port diameters

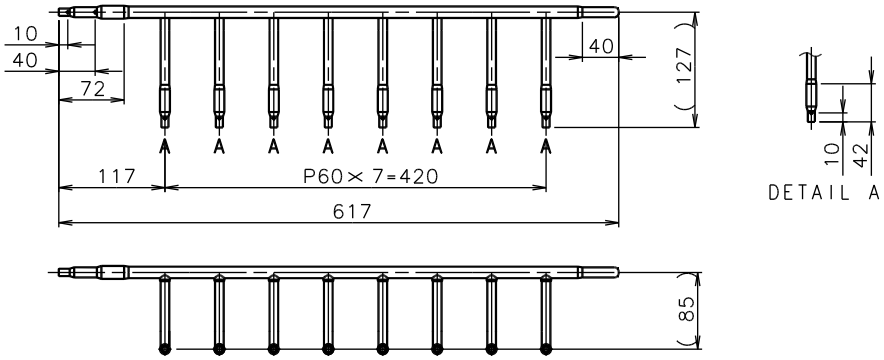
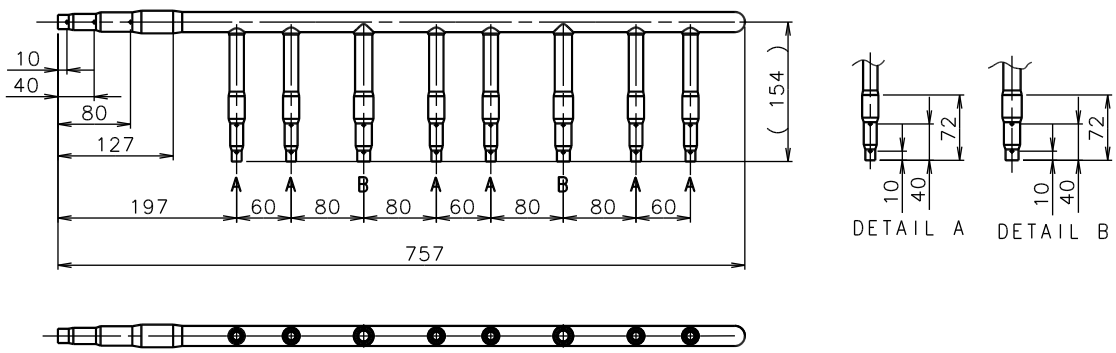
Liquid pipe	
Gas pipe	

Closed pipe A	Closed pipe B	Closed pipe C	Closed pipe insulation
			
Q'ty 6	Q'ty 4	Q'ty 2	Q'ty 8

● Heat insulation

Header insulation liquid	Header insulation gas
	
Q'ty 1	Q'ty 1

● Dimensions

Liquid pipe	
Gas pipe	

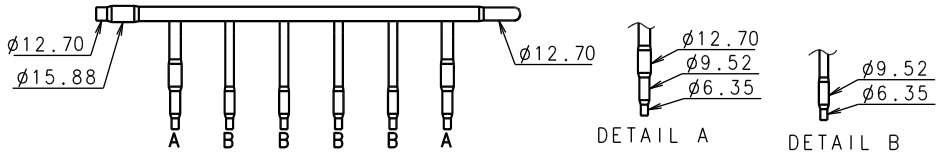
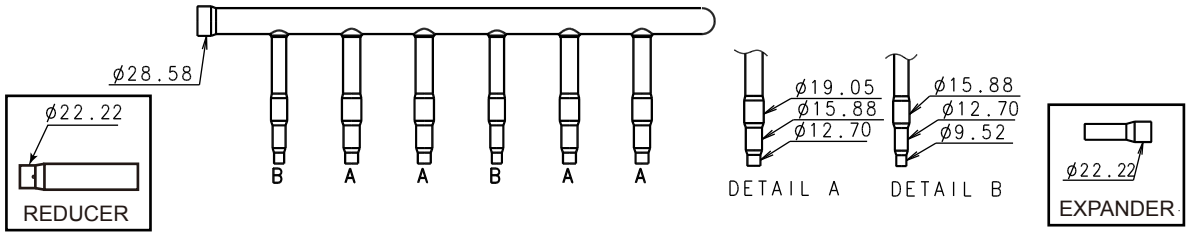
OPTIONAL PARTS

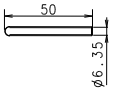
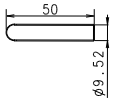
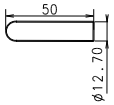
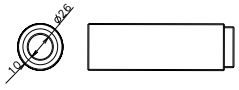
OPTIONAL PARTS

■ MODEL : UTR-H1806L

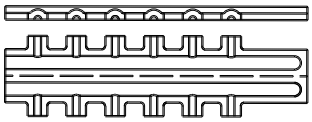
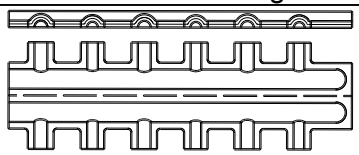
(Unit : mm)

● Port diameters

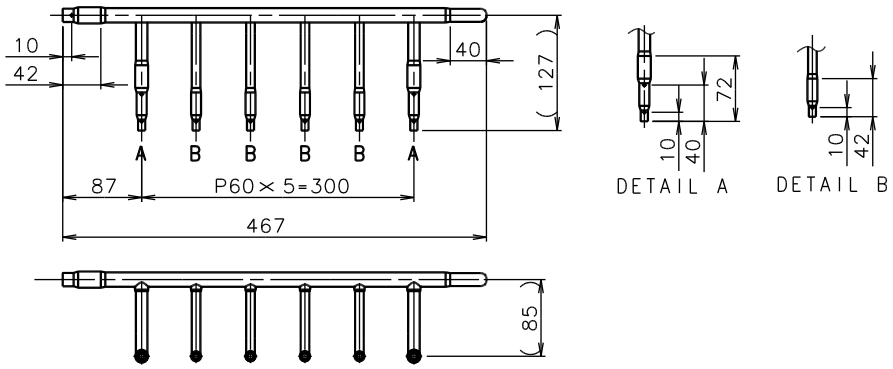
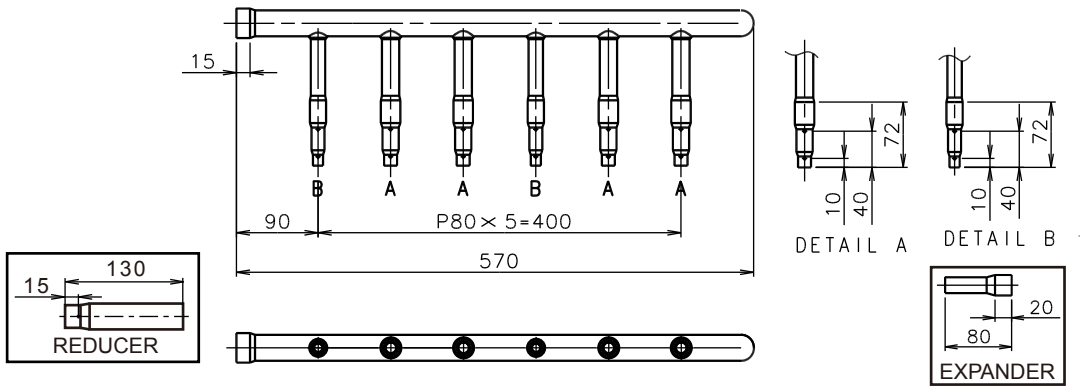
Liquid pipe	
Gas pipe	

Closed pipe A	Closed pipe B	Closed pipe C	Closed pipe insulation
			
Q'ty 4	Q'ty 2	Q'ty 2	Q'ty 6

● Heat insulation

Header insulation liquid	Header insulation gas
	
Q'ty 1	Q'ty 1

● Dimensions

Liquid pipe	
Gas pipe	

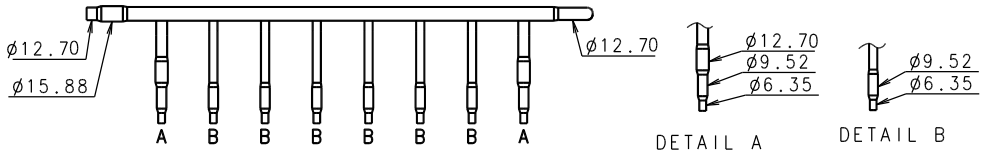
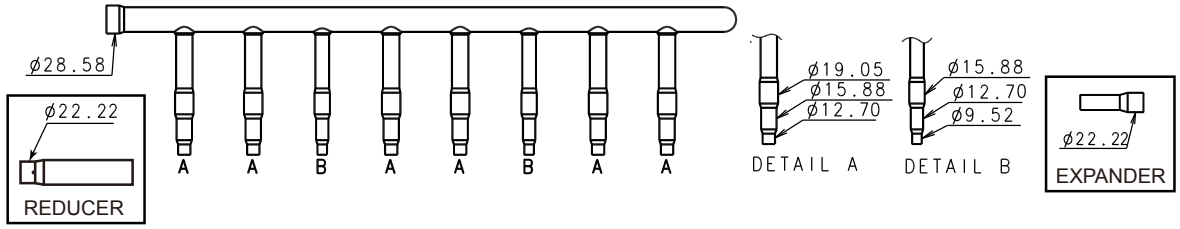
OPTIONAL PARTS

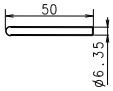
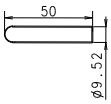
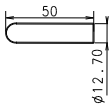
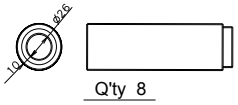
OPTIONAL PARTS

■ MODEL : UTR-H1808L

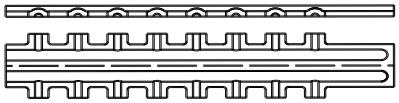
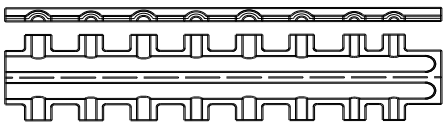
(Unit : mm)

● Port diameters

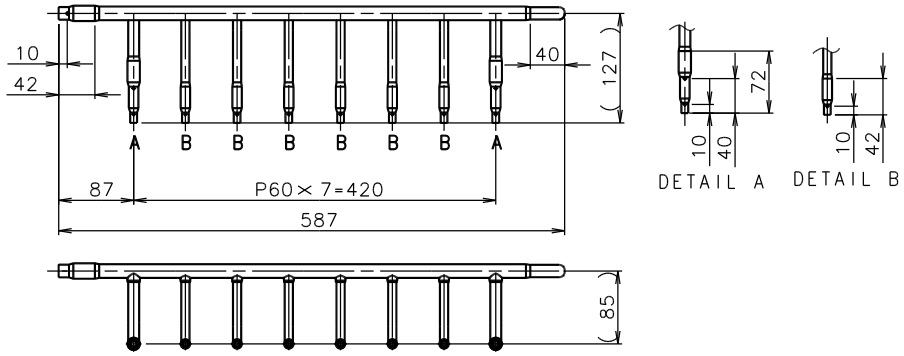
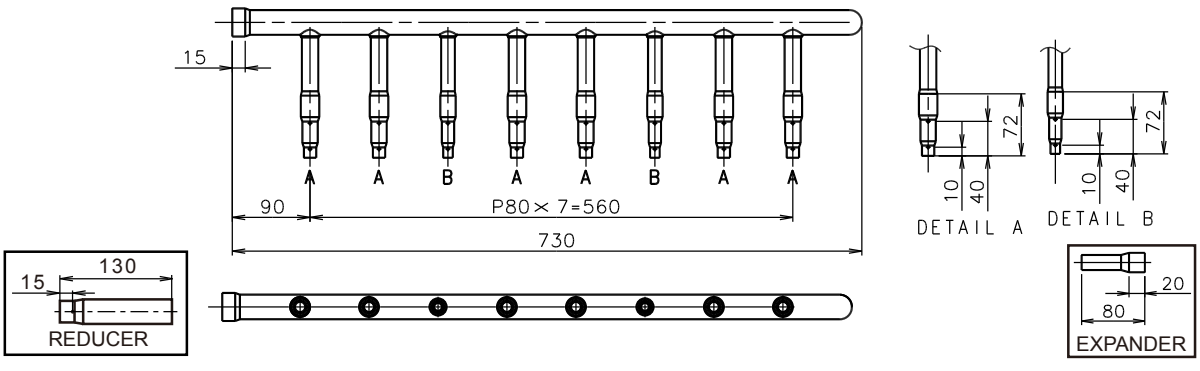
Liquid pipe	
Gas pipe	

Closed pipe A	Closed pipe B	Closed pipe C	Closed pipe insulation
 Q'ty 6	 Q'ty 2	 Q'ty 4	 Q'ty 8

● Heat insulation

Header insulation liquid	Header insulation gas
 Q'ty 1	 Q'ty 1

● Dimensions

Liquid pipe	
Gas pipe	

OPTIONAL PARTS

OPTIONAL PARTS

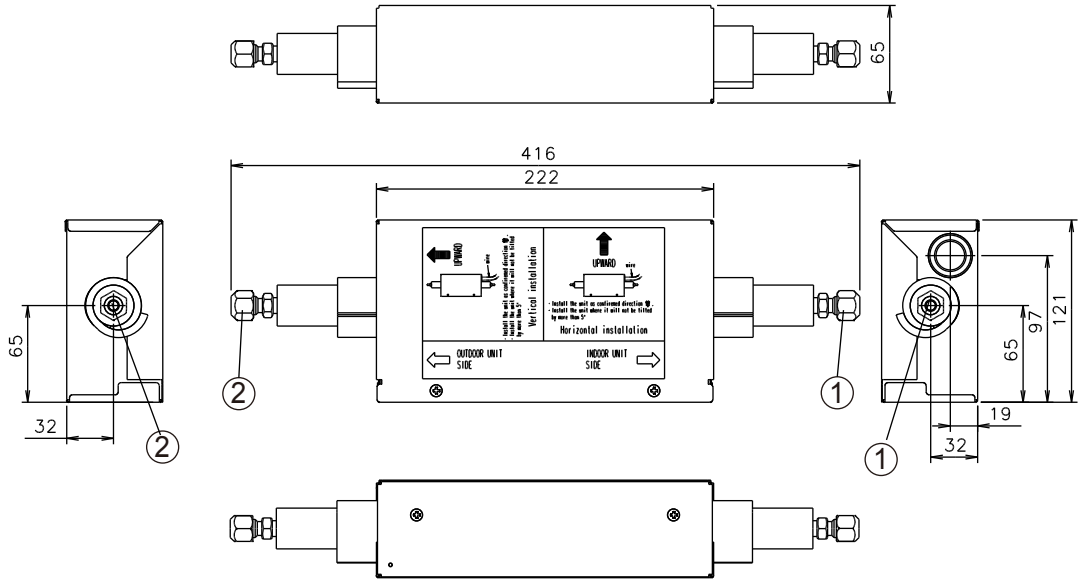
7-4. EV KIT

■ MODELS : UTR-EV09XB, UTR-EV14XB

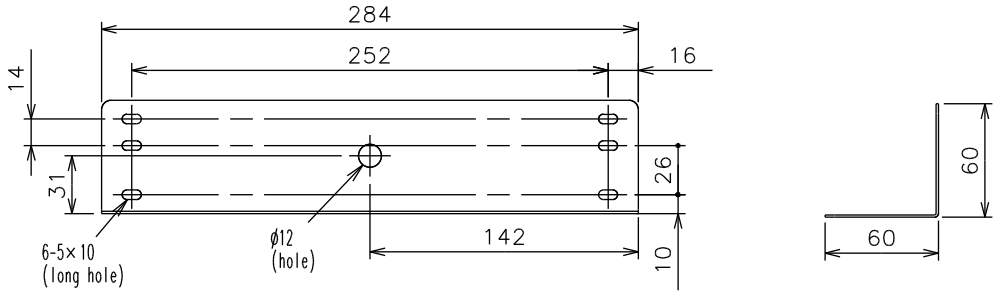
(Unit : mm)

Model	Applicable model
UTR-EV09XB	AS∗E07LACH AS∗E09LACH
UTR-EV14XB	AS∗E12LACH AS∗E14LACH

EV kit



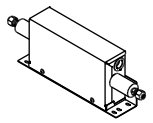
Hanger



①	Refrigerant pipe flare connection (liquid pipe)	Indoor unit side	ø 6.35 mm
②		Outdoor unit side	ø 6.35 mm

OPTIONAL PARTS

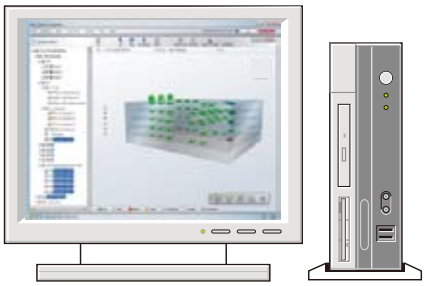
OPTIONAL PARTS

Name and Shape		Q'ty	Name and Shape	Q'ty	Name and Shape	Q'ty	Name and Shape	Q'ty
EV kit 		1	Coupler heat insulation	2	Special nut A (M10) (large frange)	1	Special nut B (M10) (small frange)	1
Binder	Large	5	Screw	4	Tube	1		
	Small	2						

7-5. CONTROLLER

■ SYSTEM CONTROLLER (Software)

● UTY-APGX



- Maximum 1600 groups / 1600 indoor units can be controlled
- Monitoring status of operation

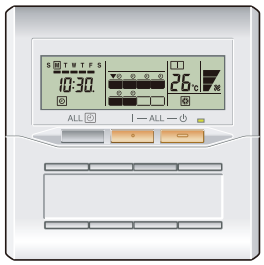
■ TOUCH PANEL CONTROLLER

● UTY-DTG∗

- Maximum 400 groups / 400 indoor units can be controlled
- With yearly timer

■ GROUP REMOTE CONTROLLER

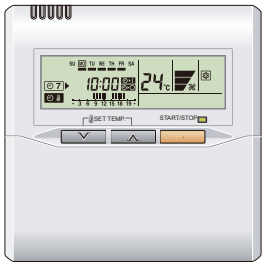
● UTY-CGG∗



- Maximum 8 remote controller groups (128 indoor units)
- With weekly timer

■ WIRED REMOTE CONTROLLER

● UTY-RNK∗



- On / Off weekly timer
- Built in thermo sensor

■ SIMPLE REMOTE CONTROLLER

● UTY-RSK∗

With Operation mode

● UTY-RHK∗

Without Operation mode

- Background light
- Easy operation

■ WIRELESS REMOTE CONTROLLER

● UTY-LNH∗

- On / Off sleep, program timer
- Easy operation

OPTIONAL PARTS

OPTIONAL PARTS

7-6. ADAPTOR / CONVERTOR

■ NETWORK CONVERTOR

● UTY-VGGX

● (Split system convertor)
● (Group remote convertor)

■ NETWORK CONVERTOR for LONWORKS®

● UTY-VLGX

● LON / LON Convertor

■ SIGNAL AMPLIFIER

● UTY-VSGX

If the total length of transmission line exceeds 500m, or the number of units exceeds 64 units, Signal Amplifier will be necessary to use

■ EXTERNAL SWITCH CONTROLLER

● UTY-TEKX

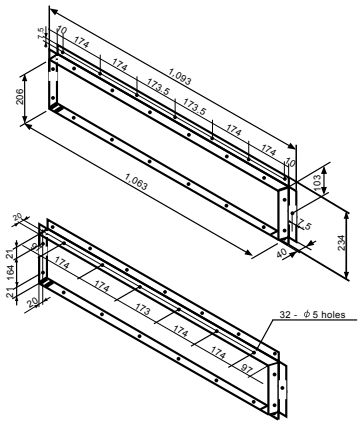
Air conditioner switching can be controlled by connecting other sensor switches

OPTIONAL PARTS

7-7. OTHERS

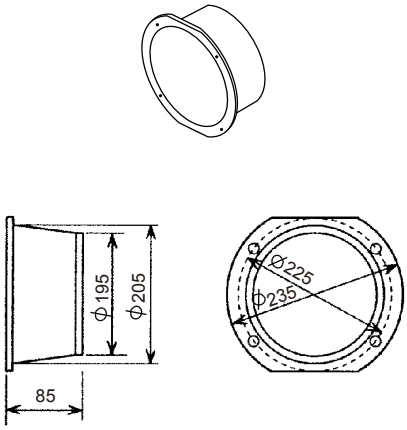
■ FLANGE (Square)

- UTD-SF045T
  - For Low Static Pressure Duct type/ Duct type



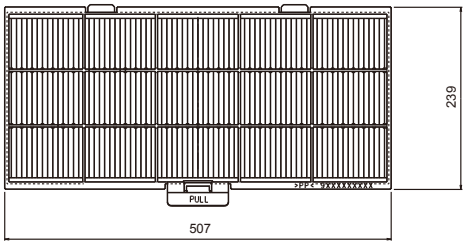
■ FLANGE (Round)

- UTD-RF204
  - For Low Static Pressure Duct type/ Duct type



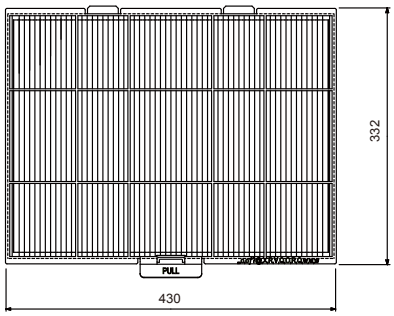
■ LONG-LIFE FILTER

- UTD-LF25NA
  - For Low Static Pressure Duct type/ Duct type



■ LONG-LIFE FILTER

- UTD-LF60KA
  - For High Static Pressure Duct type

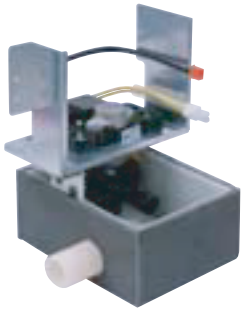


■ DRAIN PUMP UNIT

- UTZ-PX1BBA
  - For Compact Duct type
- UTZ-PX1NBA
  - For Low Static Pressure Duct type/ Duct type

■ DRAIN PUMP UNIT

- UTR-DPB24T
  - For Ceiling type



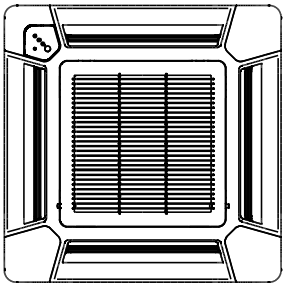
OPTIONAL PARTS

OPTIONAL PARTS

■ GRILLE KIT

● UTG-UF∗C-W

● For Compact Cassette type

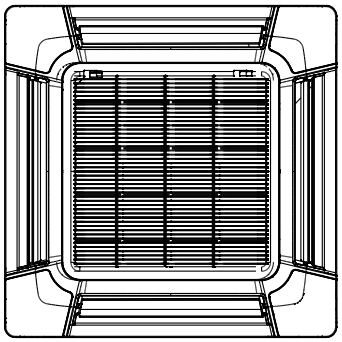


∗IR receiver attached

■ GRILLE KIT

● UTG-UG∗A-W

● For Cassette type



■ AIR OUTLET SHUTTER PLATE

● UTR-YDZB

● For Compact Cassette type

■ AIR OUTLET SHUTTER PLATE

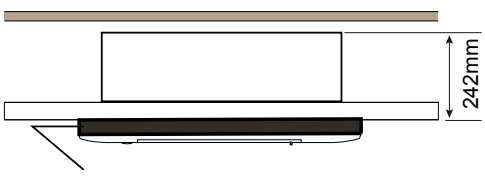
● UTR-YDZC

● For Cassette type

■ PANEL SPACER

● UTG-BGYA-W

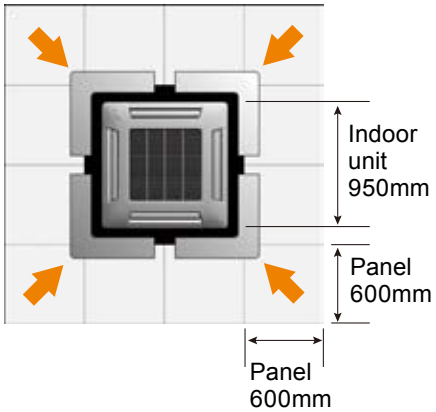
● For Cassette type



■ WIDE PANEL

● UTG-AGYA-W

● For Cassette type



OPTIONAL PARTS

■ IR RECEIVER UNIT

- UTB-∗WB
  - For All Duct type

The wireless remote controller (Model: UTY-LNH∗) is necessary separately

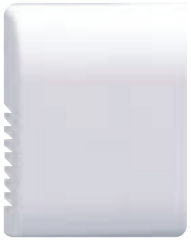
■ IR RECEIVER UNIT

- UTY-LRH∗B1
  - For Cassette type

The wireless remote controller (Model: UTY-LNH∗) is necessary separately

■ REMOTE SENSOR UNIT

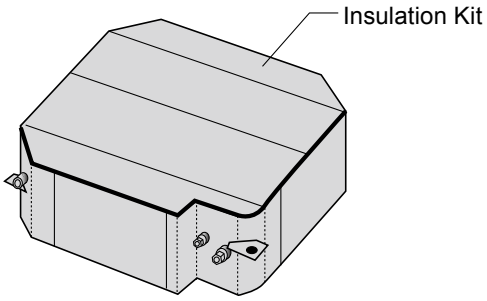
- UTD-RS100



New amenity space can be offered by installing the Remote sensor

■ INSULATION KIT for High Humidity

- UTZ-KXGA
  - For Cassette type
- UTZ-KXGB
  - For Slim Cassette type
- UTZ-KXGC
  - For Compact Cassette type



■ FRESH AIR INTAKE KIT

- UTY-VXAA
  - For Compact Cassette type

■ FRESH AIR INTAKE KIT

- UTY-VXGA
  - For Cassette type

OPTIONAL PARTS

AIRSTAGE™ V-II

Variable Refrigerant Flow System

FUJITSU GENERAL LIMITED

1116, Suenaga, Takatsu-ku, Kawasaki 213-8502, Japan

URL : http://www.fujitsu-general.com

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