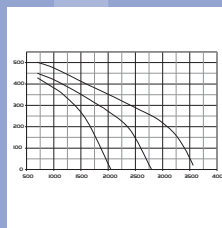
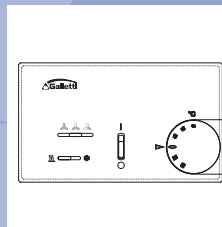
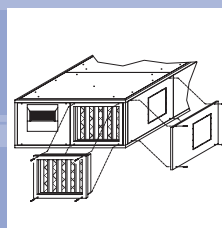


# HEAT RECOVERY UNIT

reko

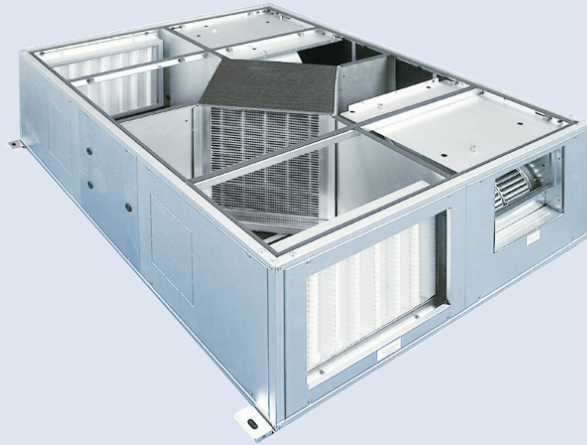


- ✓ **6 models with air flow from 600 to 3200 m<sup>3</sup>/h in cooling mode:**
  - **REKO:** Heat recovery unit, simplified paneling
  - **REKO DP:** Heat recovery unit, dual paneling
- ✓ **Horizontal unit for false-ceiling installation**
- ✓ **Orientation configurable during installation**
- ✓ **Post heating coils and control panels as accessoires**

The heat recovery units making up the series have been designed and built to solve the problems tied to the high energy consumption of systems that use outdoor air. A high-efficiency heat exchanger makes it possible to recover up to 50% of the thermal energy that would otherwise be expelled into the atmosphere as exhaust.

- ✓ **Available accessories: Post - heating hot water coil and electrical heater , wall-mounted speed switch, wall-mounted control panel complete with thermostat**

## HEAT RECOVERY UNIT



The reko units are especially suitable for false-ceiling installation and can be ducted to allow air to be drawn from and discharged directly into the room.

### LOAD-BEARING STRUCTURE

Reko units have a structure built from **ALUZINK**, with single or dual paneling with polyethylene and polyester heat and sound insulation, thickness 10mm for sizes 06 - 10 and 20 mm for sizes 14 - 19 - 25 - 30.

The panels are secured to the structure with cadmium-plated steel screws.

**All internal components are accessible for inspection** and may be very easily removed from below if necessary.

### FAN-DRIVE ASSEMBLY

The fan-drive assembly comprises a **dual suction** fan with forward-curving blades mounted on vibration-damping supports. It is sized so as to work at maximum speed while generating as little noise as possible.

The electric motor is a single-phase 230 V - 50 Hz motor with one or more speeds that may be adjusted from the control panel. It is **directly coupled with the fan**.

### HEAT EXCHANGER

The **plate heat exchanger is of the cross-flow static type** and can guarantee a **high yield** in all operating conditions.

The plates are made of aluminium and the flows are separated by special seals.

A stainless steel drip tray with a circular drain pipe is situated beneath the heat exchanger.

### AIR FILTER

The filters have flat cells with a corrugated partition; they can be removed from below and are washable, with class G3 synthetic fibre filtering media (efficiency 85% by weight - EU3).

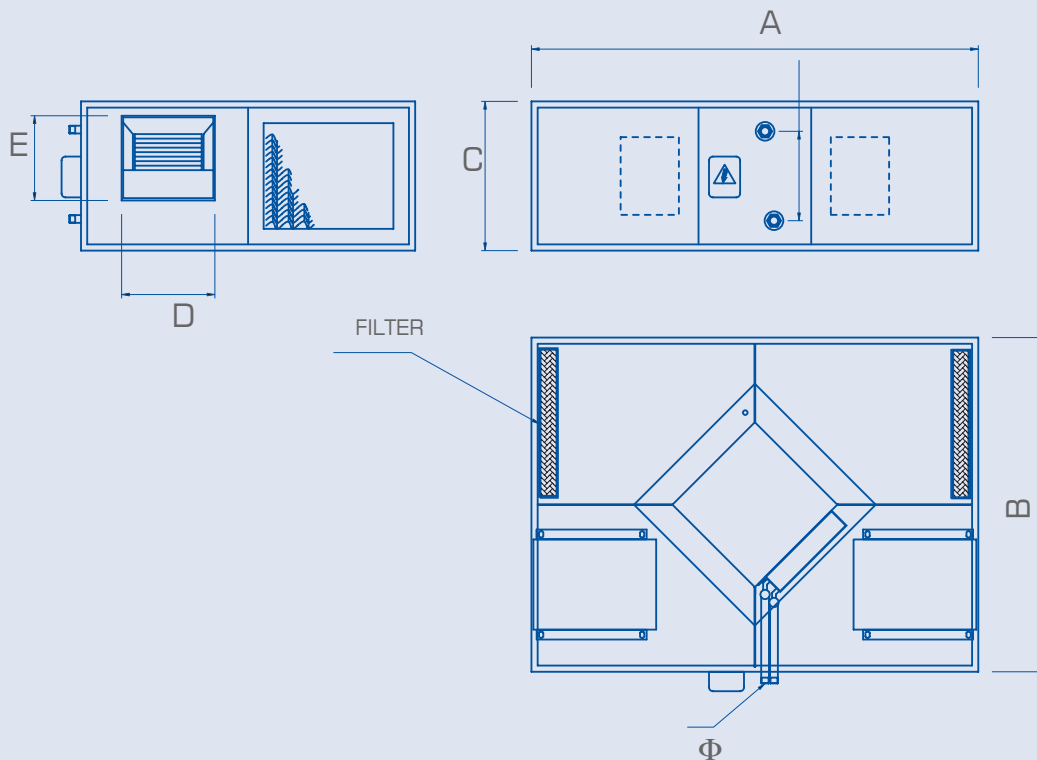
### TECHNICAL FEATURES

MODEL		06	10	14	19	25	30
Air flow rate	m <sup>3</sup> /h	600	1000	1400	1900	2500	3200
Available static pressure	Pa	80	90	140	120	110	170
Sound pressure level	dB(A)	56	54	59,5	58	57,5	60

Fan							
Power at shaft	W	2x90	2x147	2x350	2x350	2x350	2x550
Poles	No.	2	4	4	4	4	4
Max electrical input	A	1,8	3	5,8	6,2	6	11,4
Fan speed	No.	1	3	3	3	3	3
IP protection rating	IP	54	44	55	44	55	20
Insulation class		F	F	F	F	F	F
Power supply	V	230	230	230	230	230	230

Heat exchanger							
Efficiency	%	54,6	53,4	52,1	51,8	57,6	56
Heating capacity	kW	2,6	4,6	6,2	8,4	12,3	15,3
Air outlet temp.	°C	8,7	8,3	8,0	7,9	9,4	9,0

### OVERALL DIMENSIONS



MODEL		06	10	14	19	25	30
A	(mm)	990	1150	1350	1450	1700	1700
B	(mm)	750	860	900	900	1230	1230
C	(mm)	270	385	410	470	490	530
D	(mm)	230	240	240	240	310	340
E		105	220	270	270	270	300
Φ		-	G 3/4"	G 3/4"	G 3/4"	G 3/4"	G 3/4"

## TECHNICAL DATA OF BAP POST-HEATING WATER COIL

CODE		BAP10	BAP14	BAP19	BAP25	BAP30
Rows	n°	3	3	3	3	3
Heating capacity	kW	9,4	13,4	16,6	23,9	28,4
Air outlet temp.	°C	36	36	34	36	34
Pressure drop, air side	Pa	65	64	85	62	85
Pressure drop, water side	kPa	8	16	10	11	15

The performance data refer to the following conditions:

- water temperature 70-60°C, air temperature 8°C, nominal air flow rate

## TECHNICAL DATA OF REP TECHNICAL POST-HEATING ELECTRIC COIL

CODE		REP06	REP10	REP14	REP19	REP25	REP30
1-stage heating element	kW	2	4	4,5	6	9	12
Power supply	V	230	230	400	400	400	400

## CONFIGURATIONS

