

BLAUAIR RH

FLOOR MOUNTED HEAT RECOVERY UNITS



FEATURES

High-efficient EC fans, backward-curved, external rotor. Integrated plug-and-play controls.

High-efficient rotary heat exchanger of two types: condensing (aluminum) type and enthalpy type.

Optional outdoor installation with outdoor mounting kit.

Web interface, MODBUS, outputs for optional electric/water heater or water/freon cooler.

Complete set of accessories: silencers, economizers, VAV, CAV, etc.

Operation by RH/CO₂/temperature/constant pressure/timer schedule.



Casing

- Double skin
- Frameless
- 40 mm mineral wool 90 kg/m³ for RH 800-6000 and with frame 50 mm for RH 9000
- Outer skin: zinc-aluminium
- Inner skin: zinc-aluminium
- EN1886 class: D1, T3, TB4

Heat exchanger

High-efficient rotary heat exchanger is available in two types:

- Condensing (aluminum) type – standard;
- Enthalpy type – optional.

Dampers

Optionally integrated automatic external dampers with **Belimo** drives.

BELIMO

Filters

Panel filters ePM1 70% (ISO 16890)-F7 (EN779) on both supply and exhaust.

Technical data

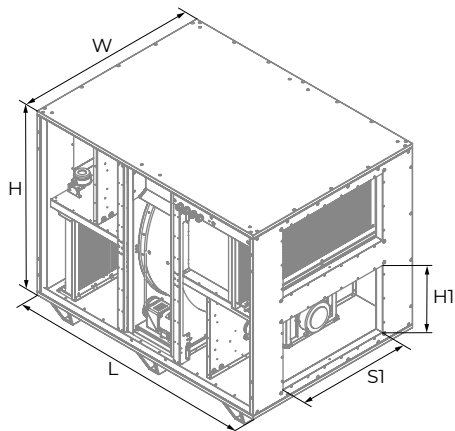
	RH 800	RH 1200	RH 1500
Phase/voltage [50–60 Hz/VAC]	1~200/240		
Power/current [kW/A]	2×0.168/2.4	2×0.53/4.8	2×0.53/4.8
Fan speed [min ⁻¹]	2200	2470	2430
Permanent ambient temperature [°C]	-35...+50		
Motor protection	IP54		
Insulation class (motor)	F		
Filter class exhaust/supply standard (optional)	ePM1 70%/ePM1 70% (ISO 16890)-F7 (EN779)		
Weight (net, without packing) [kg]	418	418	547
Housing protection class	IP34		
Sound pressure level at 3 m to environment [dBA]	29	26	26
Transported air temperature [°C]	-25...+40		

	RH 2500	RH 3500	RH 5000
Phase/voltage [50–60 Hz/VAC]	1~200/240	3~380/480	3~380/480
Power/current [kW/A]	2×0.7/6.2	2×1.1/3.52	2×1.32/4.2
Fan speed [min ⁻¹]	2100	1800	1300
Permanent ambient temperature [°C]	-35...+50		
Motor protection	IP54		
Insulation class (motor)	F		
Filter class exhaust/supply standard (optional)	ePM1 70%/ePM1 70% (ISO 16890)-F7 (EN779)		
Weight (net, without packing) [kg]	547	723	1232
Housing protection class	IP34		
Sound pressure level at 3 m to environment [dBA]	33	35	26
Transported air temperature [°C]	-25...+40		

	RH 6000	RH 9000
Phase/voltage [50–60 Hz/VAC]	3~380/480	
Power/current [kW/A]	2×2.55/7.8	2×2.55/7.8
Fan speed [min ⁻¹]	1500	1700
Permanent ambient temperature [°C]	-35...+50	
Motor protection	IP54	
Insulation class (motor)	F	
Filter class exhaust/supply standard (optional)	ePM1 70%/ePM1 70% (ISO 16890)-F7 (EN779)	
Weight (net, without packing) [kg]	1232	2050
Housing protection class	IP34	
Sound pressure level at 3 m to environment [dBA]	28	47
Transported air temperature [°C]	-25...+40	

Dimensions [mm]

	L	W	H	H1	S1
RH 800	1400	800	820	315	-
RH 1200	1400	800	820	315	-
RH 1500	1300	960	960	350	600
RH 2500	1300	960	960	350	600
RH 3500	1300	1260	1290	400	700
RH 5000	1910	1390	1420	500	1000
RH 6000	1910	1390	1420	500	1000
RH 9000	2090	1730	1815	600	1200



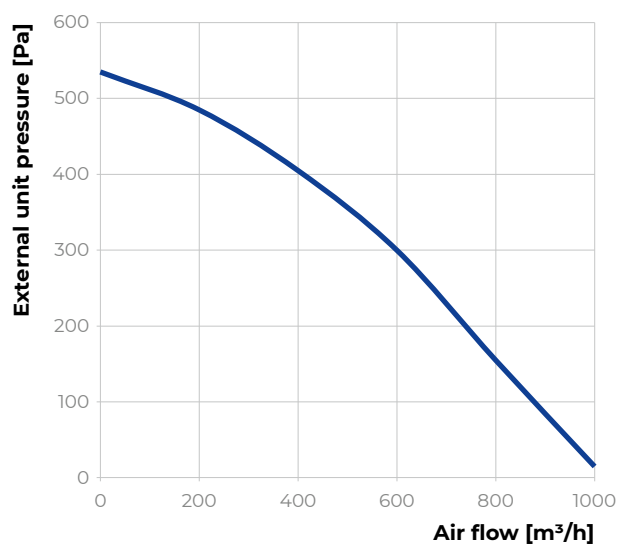
Connectors and adapters dimensions [mm]

	Flexible connection	Damper	Adapter
RH 800 / RH 1200	Ø 315	Ø 315	Ø 315 / 500×250
RH 1500 / RH 2500	600×350	600×350	600×350 / Ø 315
RH 3500	700×400	700×400	700×400 / Ø 400
RH 5000 / RH 6000	1000×500	1000×500	–
RH 9000	1200×600	1200×600	–

Additional coil sections dimensions (L [mm])

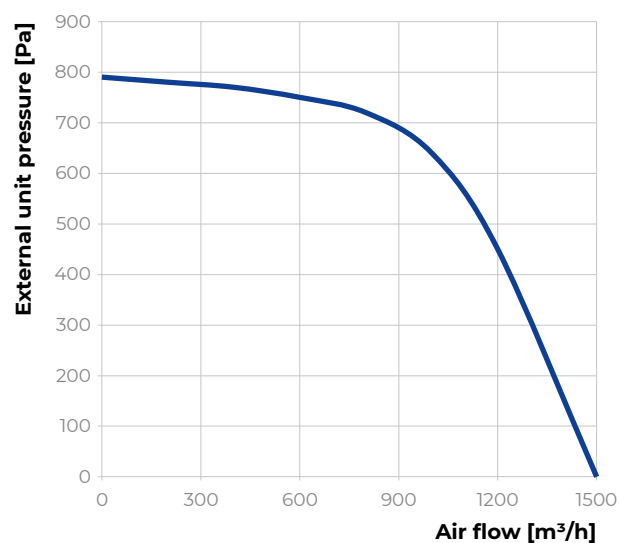
		RH 800	RH 1200	RH 1500	RH 2500	RH 3500	RH 5000	RH 6000	RH 9000
Water heater HW-2		360	360	360	360	360	360	360	360
Water cooler CW-3		505	505	505	505	505	505	505	505
Electric heater HE		306	306	220	220	220	360	360	505
DX cooler CDX-3		505	505	505	505	505	505	505	505

RH 800



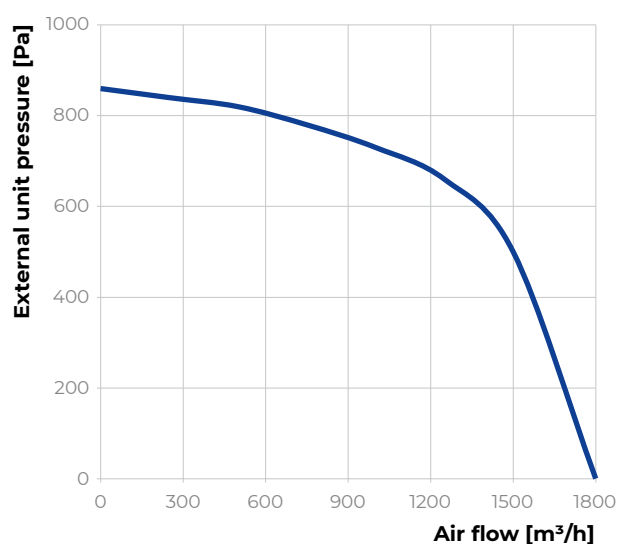
Additional pressure RH 800	
Water heater [Pa]	55
Water cooler [Pa]	68
Electric heater [Pa]	30
DX cooler [Pa]	68

RH 1200



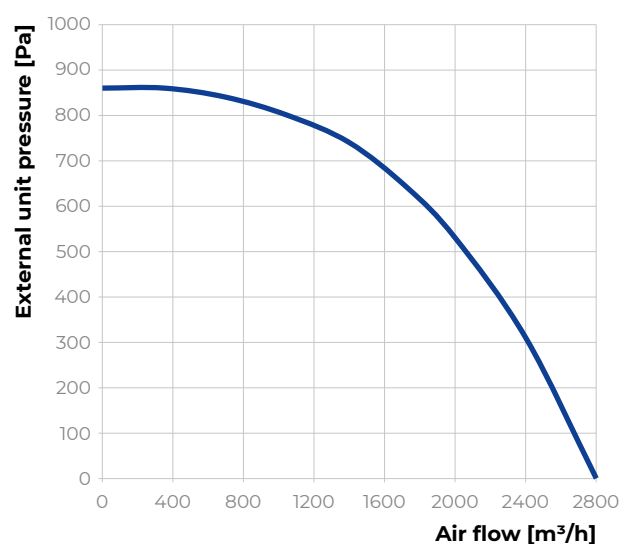
Additional pressure RH 1200	
Water heater [Pa]	55
Water cooler [Pa]	139
Electric heater [Pa]	30
DX cooler [Pa]	139

RH 1500

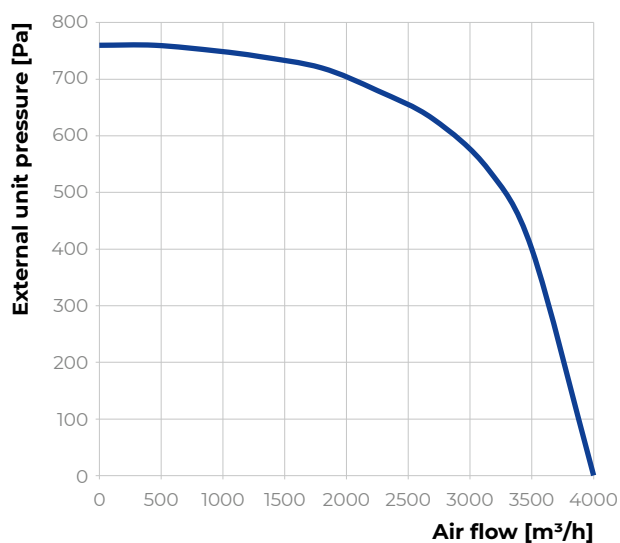


Additional pressure RH 1500	
Water heater [Pa]	55
Water cooler [Pa]	82
Electric heater [Pa]	30
DX cooler [Pa]	82

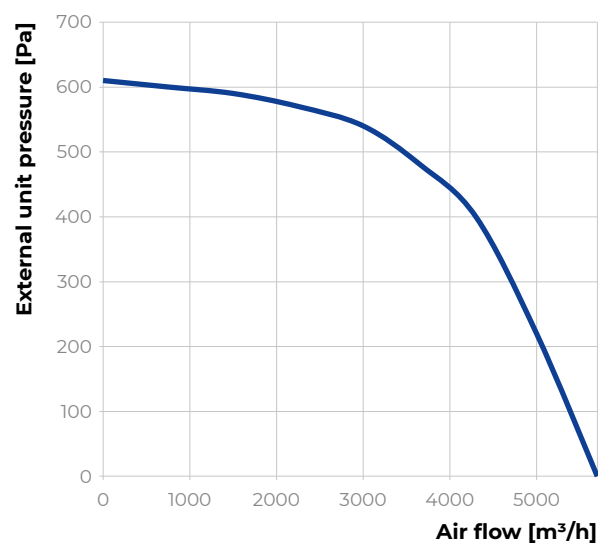
RH 2500



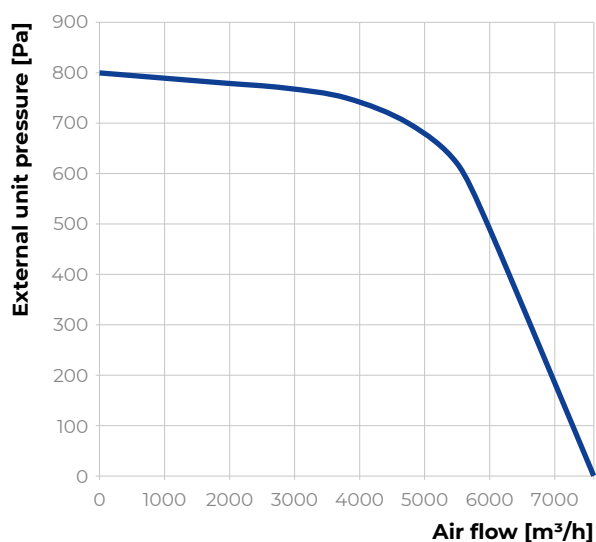
Additional pressure RH 2500	
Water heater [Pa]	60
Water cooler [Pa]	190
Electric heater [Pa]	30
DX cooler [Pa]	190

RH 3500

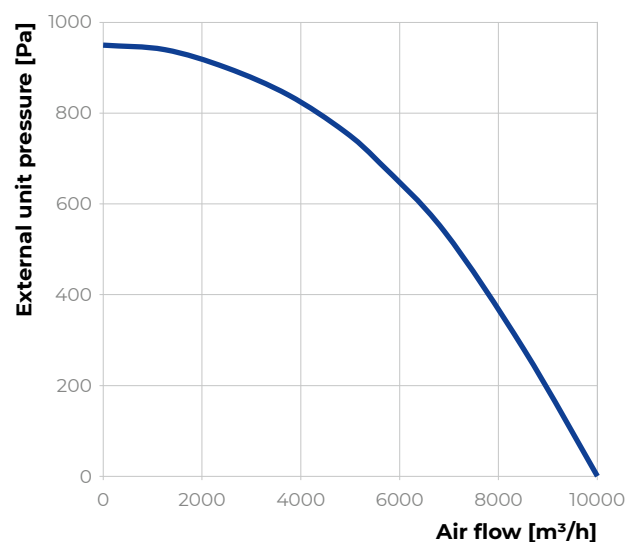
Additional pressure	RH 3500
Water heater [Pa]	55
Water cooler [Pa]	223
Electric heater [Pa]	30
DX cooler [Pa]	223

RH 5000

Additional pressure	RH 5000
Water heater [Pa]	50
Water cooler [Pa]	128
Electric heater [Pa]	30
DX cooler [Pa]	128

RH 6000

Additional pressure	RH 6000
Water heater [Pa]	60
Water cooler [Pa]	207
Electric heater [Pa]	30
DX cooler [Pa]	207

RH 9000

Additional pressure	RH 9000
Water heater [Pa]	60
Water cooler [Pa]	176
Electric heater [Pa]	30
DX cooler [Pa]	176