

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 DX or Hydronic cooling/heating.

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, TB3

Heat exchanger

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

- Condensing (aluminum) type – standard;
- Enthalpy type for hot and humid areas – optional.

Bypass and dampers

Integrated automatic external dampers with **Belimo** drives. Included in units starting from 1500.

BELIMO[®]

Filters

Panel F7 class filters on both supply and exhaust.

Technical parameters

Rated air flow [m ³ /h]		800	1200	1500
EC fans	Phase/voltage [50/60 Hz/VAC]	1~200-240		
	Power/current [kW/A]	2×0.27/2.5	2×0.61/5.3	2×0.61/5.3
	Fan speed [min ⁻¹]	2800	3000	3000
	Perm. amb. temp. [°C]	-35...+50		
	Motor protection	IP54		
	Insulation class	F		
Transported air temperature [°C]		-25...+40		
Filter exhaust/supply		ePM1 55%/ePM1 55% (ISO 16890)-F7 (EN779)		
Weight (net, without packing) [kg]		190	190	248
Housing protection class		IP34		
Sound pressure lvl @ 3m to environment [dBA]		34	35	37

Rated air flow [m ³ /h]		2500	3500	5000
EC fans	Phase/voltage [50/60 Hz/VAC]	1~200/277	3~380/480	3~380/480
	Power/current [kW/A]	2×0.835/7.6	2×1.23/3.95	2×1.41/3.95
	Fan speed [min ⁻¹]	3000	2400	1350
	Perm. amb. temp. [°C]	-35...+50		
	Motor protection	IP54		
	Insulation class	F		
Transported air temperature [°C]		-25...+40		
Filter exhaust/supply		ePM1 55%/ePM1 55% (ISO 16890)-F7 (EN779)		
Weight (net, without packing) [kg]		248	328	559
Housing protection class		IP34		
Sound pressure lvl @ 3m to environment [dBA]		37	35	32

Rated air flow [m ³ /h]		6000	9000
EC fans	Phase/voltage [50/60 Hz/VAC]	3~380/480	3~380/480
	Power/current [kW/A]	2×2.74/8.8	2×2.74/8.8
	Fan speed [min ⁻¹]	1700	1700
	Perm. amb. temp. [°C]	-35...+50	
	Motor protection	IP54	
	Insulation class	F	
Transported air temperature [°C]		-25...+40	
Filter exhaust/supply		ePM1 55%/ePM1 55% (ISO 16890)-F7 (EN779)	
Weight (net, without packing) [kg]		559	930
Housing protection class		IP34	
Sound pressure lvl @ 3m to environment [dBA]		32	32

