AIRsupply

BLAUAIR RH

FLOOR MOUNTED HEAT RECOVERY UNITS

RH

800 / 1200 / 1500 / 2500 / 3500 / 5000 / 6000

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/CO_2/temperature/ constant pressure/timer schedule.

Casing

- Double skin
- Frameless
- 40 mm mineral wool 90 kg/m^3 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 form 1500.

BELIMO®

Filters

Panel F7 class filters on both supply and exhaust.

Technical parameters

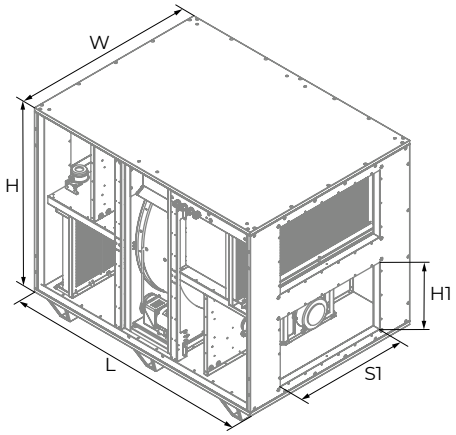
Rated air flow [m³/h]		800	1200	1500
EC fans	Phase/voltage [50/60 Hz/VAC]	1~200-240		
	Power/current [kW/A]	2×0.27/2.5	2×0.61/5.3	2×0.61/5.3
	Fan speed [min⁻¹]	2800	3000	3000
	Perm. amb. temp. [°C]	-35...+50		
	Motor protection	IP54		
	Insulation class	F		
Transported air temperature [°C]		-25...+40		
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 [m³/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 [m³/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

Overall dimensions [mm]

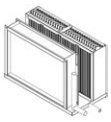
	L	W	H	H1	S1
RH 800	1400	765	820	315	-
RH 1200	1400	765	820	315	-
RH 1500	1300	960	960	350	600
RH 2500	1300	960	960	350	600
RH 3500	1300	1260	1290	400	700
RH 5000	1910	1390	1420	500	1000
RH 6000	1910	1390	1420	500	1000
RH 9000	2090	1738	1815	600	1200



Connectors and adapters

	Size [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 for RH 800-9000

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

AIRsupply forbeholder sig ret til ændringer. Alle oplysninger, der står i denne brochure, kan ændres uden forudgående varsel.