

BLAUAIR RV

FLOOR MOUNTED HEAT RECOVERY UNITS



FEATURES

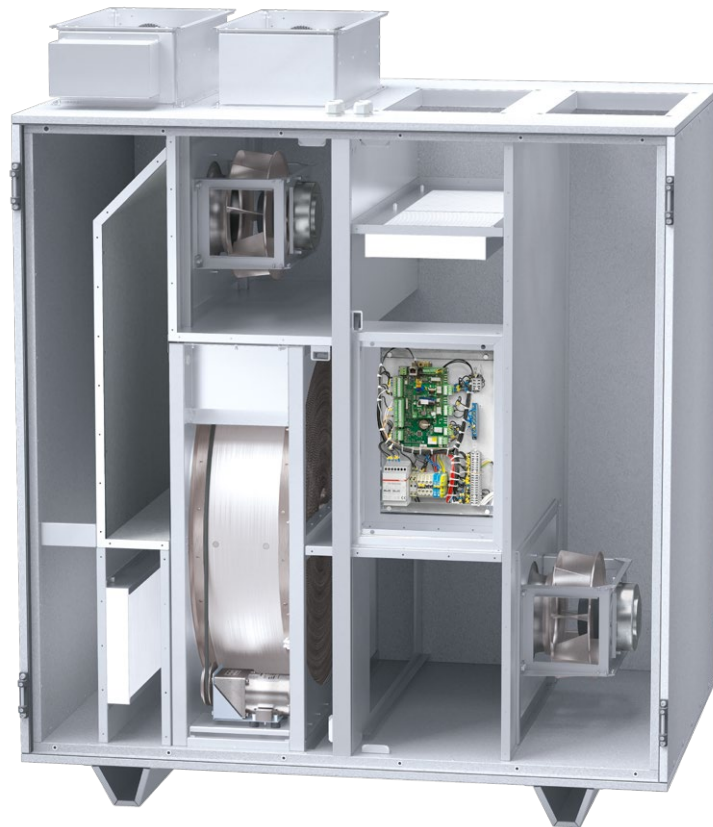
High-efficient EC fans, backward-curved, external rotor. Integrated plug-and-play controls.

Automatic full-size bypass. ECO-Design'18 compliant. Polystyrene plate heat exchanger. Panel filters ePM1 55%. Hinged service doors.

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 RV 800-6000
- Outer skin: zinc-aluminum
- Inner skin: zinc-aluminum
- 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

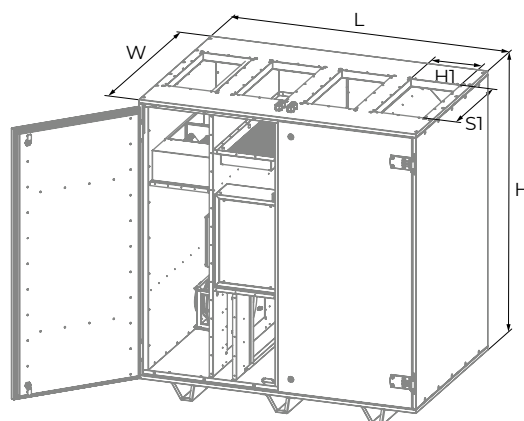
Rated air flow [m ³ /h]		800	1200	1500
EC fans	Phase/voltage [50/60 Hz/VAC]	1~200-240		
	Power/current [kW/A]	2×0.28/2.5	2×0.61/5.6	2×0.61/5.6
	Fan speed [min ⁻¹]	2800	3000	3000
	Perm. amb. temp. [°C]	-35...+50		
	Motor protection	IP54		
	Insulation class	F		
Filter exhaust/supply		ePM1 55%/ePM1 55% (ISO 16890)-F7 (EN779)		
Weight (net, without packing) [kg]		270	270	307
Housing protection class		IP34		
Sound pressure lvl @ 3m to environment [dBA]		34	35	37
Transported air temperature [°C]		-25...+40		

Rated air flow [m ³ /h]		2500	3500
EC fans	Phase/voltage [50/60 Hz/VAC]	1~200/277	3~380/480
	Power/current [kW/A]	2×0.84/7.6	2×1.24/3.95
	Fan speed [min ⁻¹]	3000	2400
	Perm. amb. temp. [°C]	-35...+50	
	Motor protection	IP54	
	Insulation class	F	
Filter exhaust/supply		ePM1 55%/ePM1 55% (ISO 16890)-F7 (EN779)	
Weight (net, without packing) [kg]		307	405
Housing protection class		IP34	
Sound pressure lvl @ 3m to environment [dBA]		37	35
Transported air temperature [°C]		-25...+40	

Rated air flow [m ³ /h]		5000	6000
EC fans	Phase/voltage [50/60 Hz/VAC]	3~380/480	
	Power/current [kW/A]	2×1.42/4.53	2×2.74/8.8
	Fan speed [min ⁻¹]	1350	1700
	Perm. amb. temp. [°C]	-35...+50	
	Motor protection	IP54	
	Insulation class	F	
Filter exhaust/supply		ePM1 55%/ePM1 55% (ISO 16890)-F7 (EN779)	
Weight (net, without packing) [kg]		715	715
Housing protection class		IP34	
Sound pressure lvl @ 3m to environment [dBA]		32	32
Transported air temperature [°C]		-25...+40	

Overall dimensions [mm]

	L	W	H	H1	S1
RV 800	1140	785	1250	Ø 250	–
RV 1200	1140	785	1250	Ø 250	–
RV 1500	1400	960	1400	250	500
RV 2500	1400	960	1400	250	500
RV 3500	1600	1290	1860	300	600
RV 5000	1910	1390	2090	500	1000
RV 6000	1910	1390	2090	500	1000



Connectors and adapters

	Size [mm]		
	Flexible connection	Damper	Adapter
RV 800/RV 1200	Ø 250	Ø 250	Ø 250/500×250
RV 1500/RV 2500	500×250	500×250	500×250/600×350
RV 3500	600×300	600×300	600×300/600×350
RV 5000/RV 6000	1000×350	1000×350	1000×350/1000×500

Additional coil sections for RV 800-6000

				800	1200	1500	2500	3500	5000	6000
Water cooler		CW-3	H×W [mm]	500×250	500×250	600×350	600×350	600×350	1000×500	1000×500
DX cooler		CDX-3	H×W [mm]	500×250	500×250	600×350	600×350	600×350	1000×500	1000×500