

BLAUAIR RV

FLOOR MOUNTED HEAT RECOVERY UNITS



FEATURES

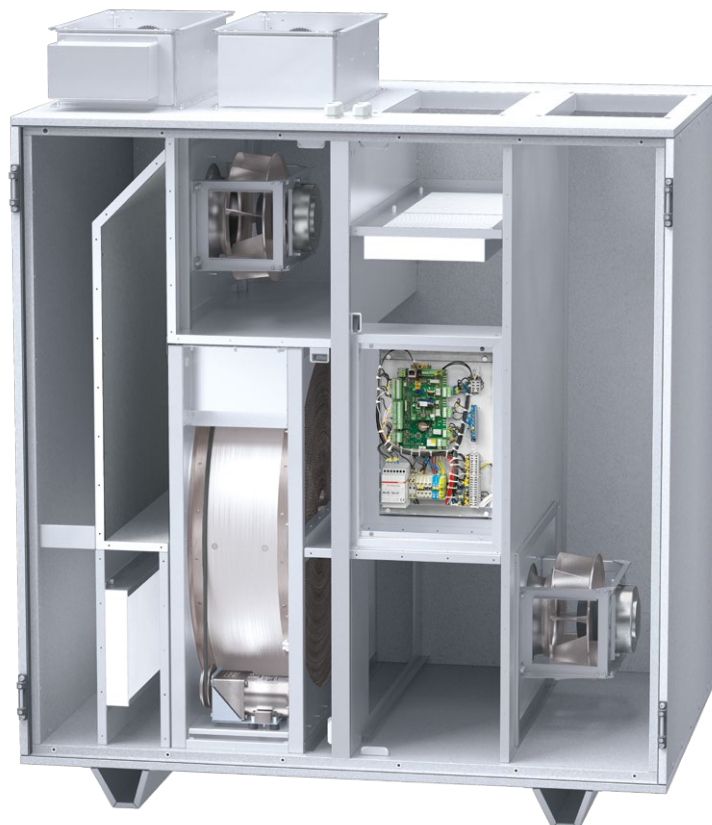
High-efficient EC fans, backward-curved, external rotor. Integrated plug-and-play controls.

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

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

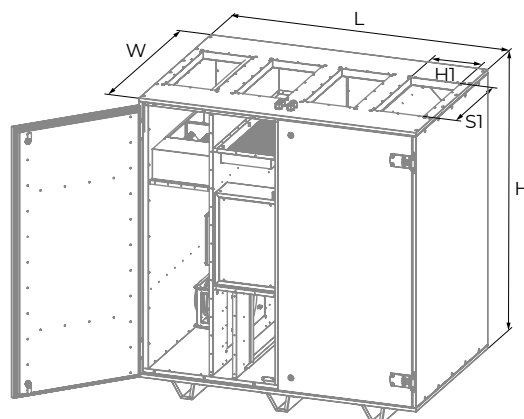
	RV 800	RV 1200
Phase/voltage [50–60 Hz/VAC]	1~200/240	
Power/current [kW/A]	2×0.168/2.4	2×0.53/4.8
Fan speed [min ⁻¹]	2200	2470
Permanent ambient temperature [°C]	-35...+50	
Motor protection	IP54	
Insulation class (motor)	F	
Filter class exhaust/supply standard (optional)	ePM1 70%/ePM1 70% (ISO 16890)-F7 (EN779)	
Weight (net, without packing) [kg]	270	270
Sound pressure level at 3 m to environment [dBA]	29	26

	RV 1500	RV 2500
Phase/voltage [50–60 Hz/VAC]	1~200/240	
Power/current [kW/A]	2×0.53/4.8	2×0.7/6.2
Fan speed [min ⁻¹]	2430	2100
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]	307	307
Sound pressure level at 3 m to environment [dBA]	26	33

	RV 3500	RV 5000	RV 6000
Phase/voltage [50–60 Hz/VAC]	3~380/480		
Power/current [kW/A]	2×1.1/3.52	2×1.32/4.2	2×2.55/7.8
Fan speed [min ⁻¹]	1800	1300	1500
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]	405	715	715
Sound pressure level at 3 m to environment [dBA]	35	26	28

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	350	1000
RV 6000	1910	1390	2090	350	1000



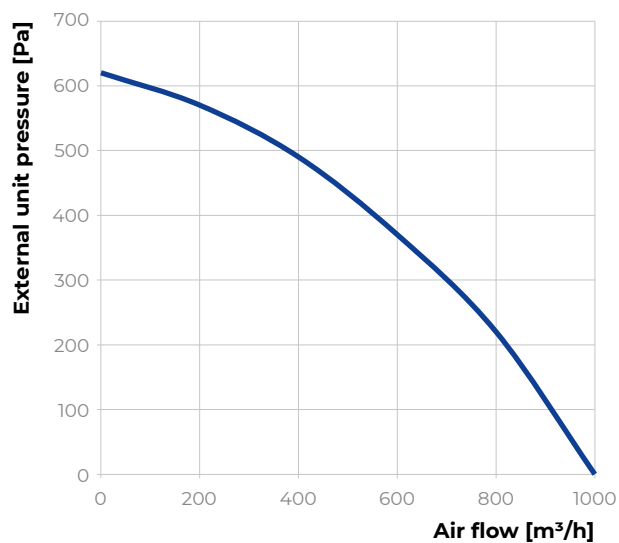
Connectors and adapters dimensions [mm]

	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 dimensions (H×W [mm])

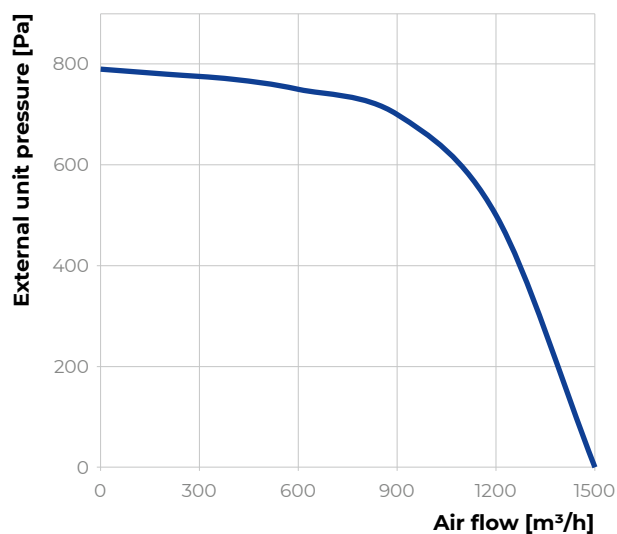
		RV 800	RV 1200	RV 1500	RV 2500	RV 3500	RV 5000	RV 6000
Water cooler CW-3		500×250	500×250	600×350	600×350	600×350	1000×500	1000×500
DX cooler CDX-3		500×250	500×250	600×350	600×350	600×350	1000×500	1000×500

RV 800



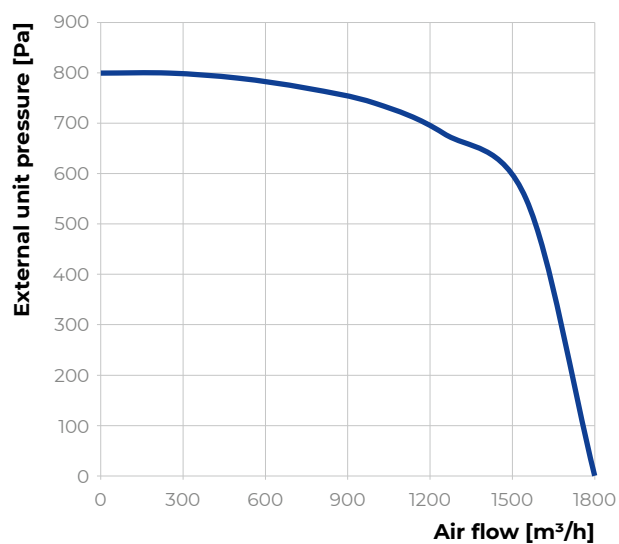
Additional pressure		RV 800
Water heater [Pa]		50
Water cooler [Pa]		68
Electric heater [Pa]		30
DX cooler [Pa]		68

RV 1200



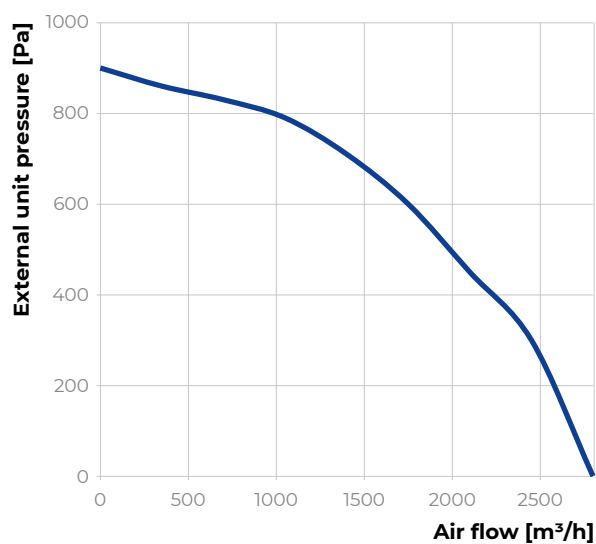
Additional pressure		RV 1200
Water heater [Pa]		50
Water cooler [Pa]		139
Electric heater [Pa]		30
DX cooler [Pa]		139

RV 1500

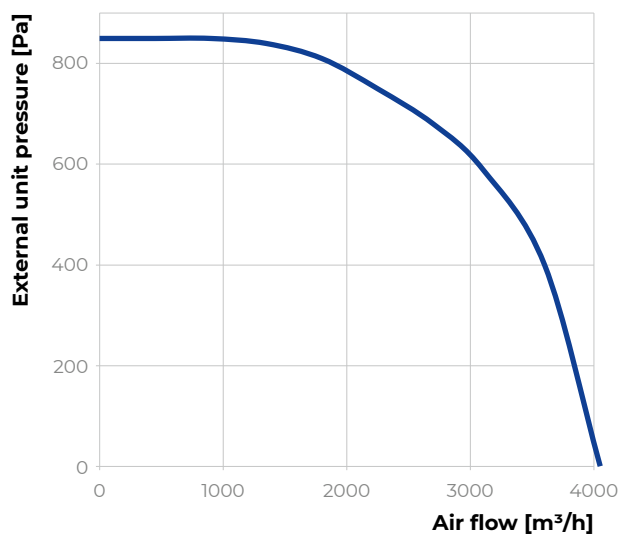


Additional pressure		RV 1500
Water heater [Pa]		50
Water cooler [Pa]		82
Electric heater [Pa]		30
DX cooler [Pa]		82

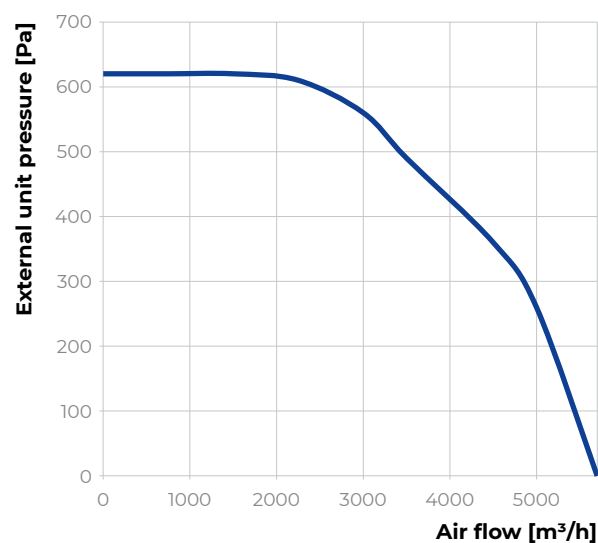
RV 2500



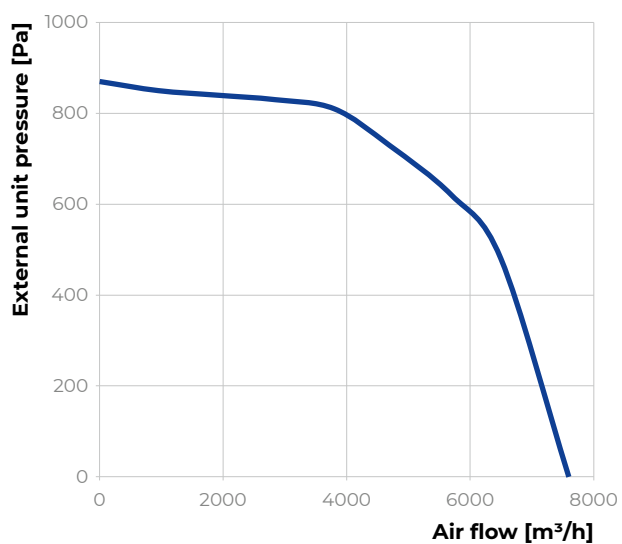
Additional pressure		RV 2500
Water heater [Pa]		60
Water cooler [Pa]		204
Electric heater [Pa]		30
DX cooler [Pa]		204

RV 3500

Additional pressure	RV 3500
Water heater [Pa]	60
Water cooler [Pa]	286
Electric heater [Pa]	30
DX cooler [Pa]	286

RV 5000

Additional pressure	RV 5000
Water heater [Pa]	50
Water cooler [Pa]	149
Electric heater [Pa]	30
DX cooler [Pa]	149

RV 6000

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