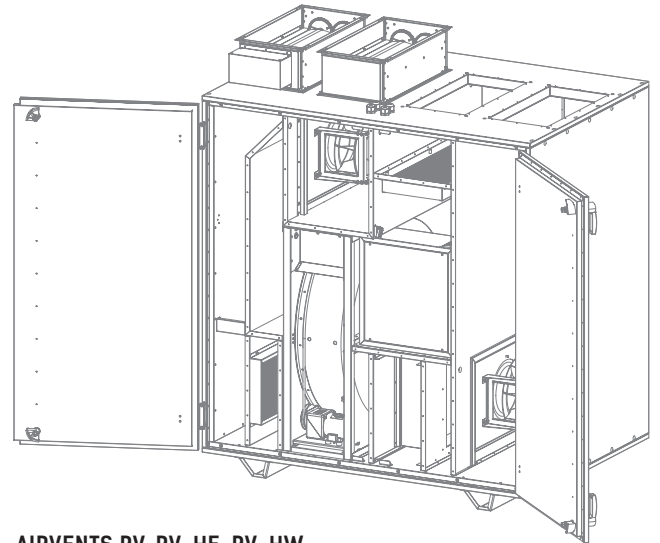


HEAT RECOVERY VENTILATION UNIT RV

The brand new premium line of commercial heat recovery air handling units for floor mounting with high-efficient heat exchanger. Available in three standard sizes based on the air flow capacity of 1500, 2500 and 3500 m³/h. Optionally accomplished with no heater (RV series), electric heater (RV-HE series) or water heater (RV-HW series) and ready for operation with all necessary control elements.

Main features:

- High-efficient EC fans, backward-curved, external rotor. Low power consumption at any speed, low noise level and stable operation in any climate conditions.
- Integrated plug-and-play controls on the basis of the Carel kVent.controller. Easy connecting via web-interface using the Ethernet-Modbus and BACnet.
- Insulated double-skin frameless casing.
- High-efficient aluminum rotary heat exchanger.
- The casing panels are made of steel with zinc-aluminium coating and internally lined with 40 mm heat- and sound-insulating mineral wool layer. The units have C4 corrosion resistance class in compliance with ISO 12944. Each model is available in left- and right-handed modifications. The units have service access on both sides and on the bottom.
- Washable F7, G4 (optional) panel filters in exhaust and supply air streams.
- Integrated control panels:
 - A30 th-Tune: standard control panel with handy interface ensures basic setup of parameters.
 - A32 pGDe: control panel with expanded functionality ensures complete setup of parameters.
- Integrated automatic external dampers with Belimo actuators.
- ECO-Design'18 compliant.

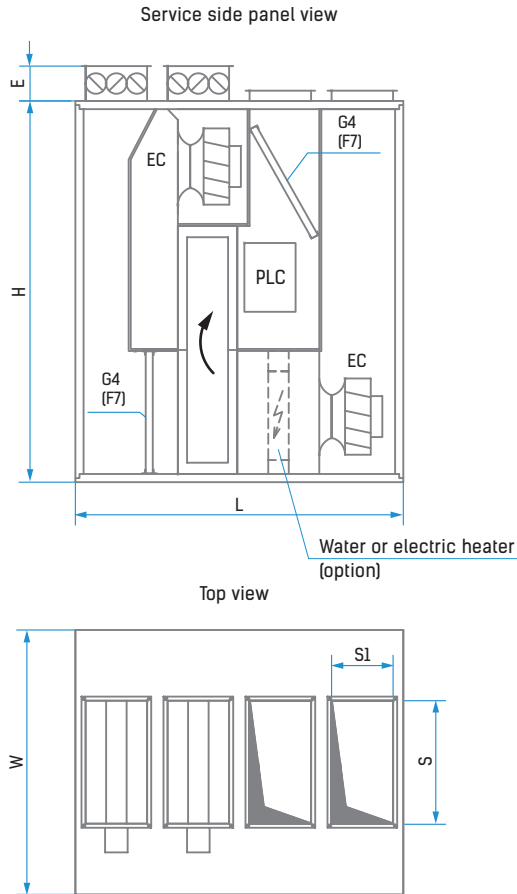


AIRVENTS RV, RV-HE, RV-HW

Technical parameters

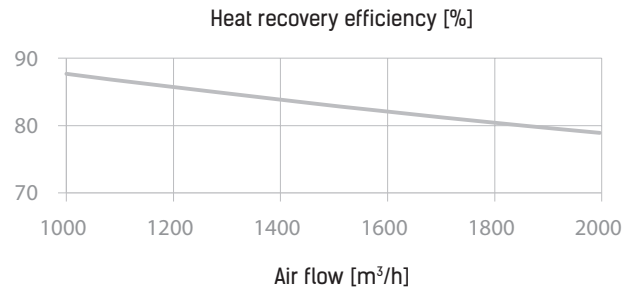
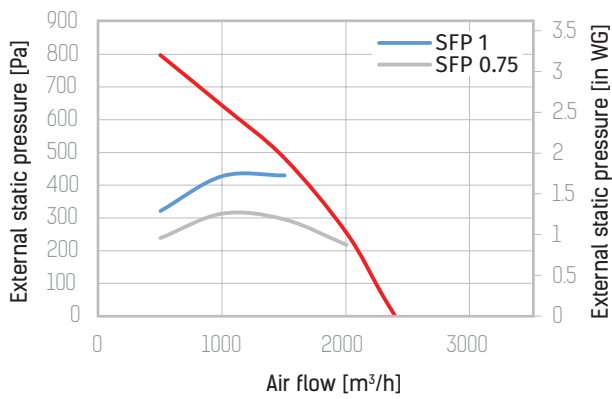
Model		RV 1500	RV 2500	RV 3500
Nominal air flow [m ³ /h]		1500	2500	3500
EC fans	phase/voltage [50–60 Hz/VAC]	~1.200/277		~3.380/480
	power/current [kW/A]	2x0.46/3.0	2x0.74/3.75	2x1.14/1.8
	fan speed [min ⁻¹]	2848	2640	2400
	perm. amb. temp. [°C]	-35...+50		
	motor protection	IP54		
	insulation class	F		
	motor sound power level to outlet [dBA]	74		
	SFP @ nominal air flow, max. pressure [kW/(m ³ /s)]	2x1.1	2x1.06	2x1.13
Filter class exhaust/supply standard (optional)		F7 (G4)/F7 (G4)		
Weight (net, without packaging) [kg]		270	290	330
Protection class		IP34		
Sound pressure level @ 0.3 m to environment [dBA]		41	43	44

HEAT RECOVERY VENTILATION UNIT RV, RV-HE, RV-HW



Dimensions [mm]	RV 1500	RV 2500	RV 3500
L	1400	1400	1600
W	960	960	1290
H	1400	1400	1860
S	500	500	600
S1	250	250	350
E	170	170	170

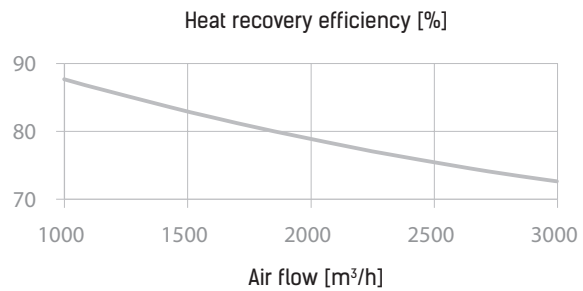
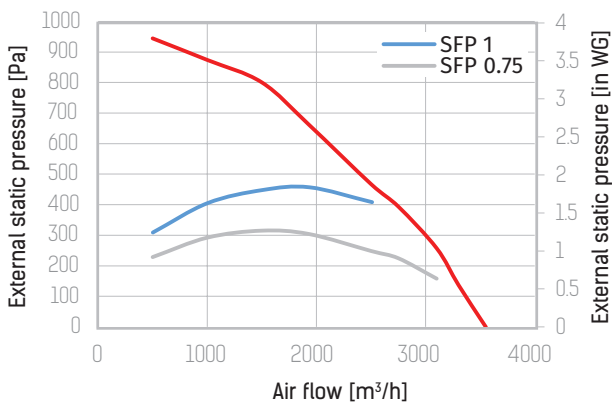
RV 1500



Sound power Lw in dB

Environment	66	65	62	52	33	53	48	51	59
Outlet	68	69	70	68	65	64	61	58	71
Hz	63	125	250	500	1000	2000	4000	8000	LwA

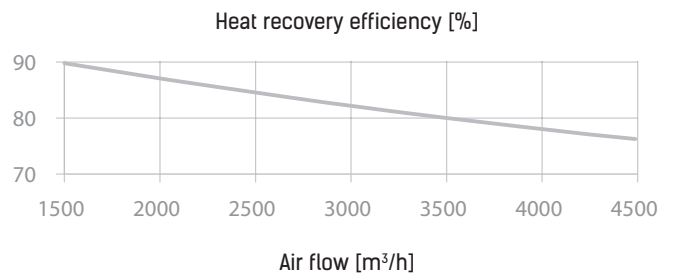
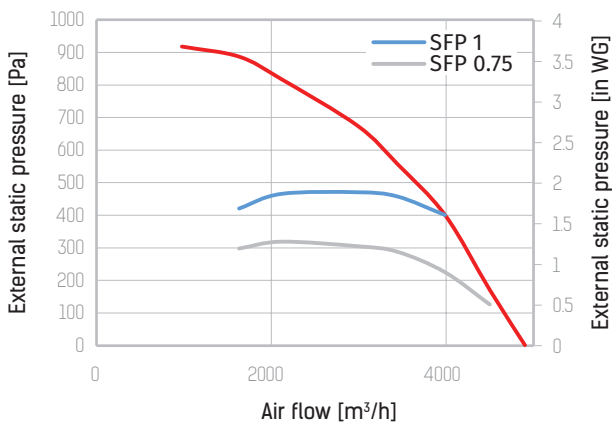
RV 2500



Sound power Lw in dB

Environment	63.6	65.5	64.2	58.2	40.1	57.2	52.2	55.4	59
Outlet	65.6	69.5	72.2	74.2	72.2	68.2	65.2	62.4	76.6
Hz	63	125	250	500	1000	2000	4000	8000	LwA

RV 3500



Sound power Lw in dB

Environment	67	64	66	57	37	59	53	57	64
Outlet	69	68	74	73	69	70	66	64	76
Hz	63	125	250	500	1000	2000	4000	8000	LwA

*External SFP for each fan [kW/(m³/s)]