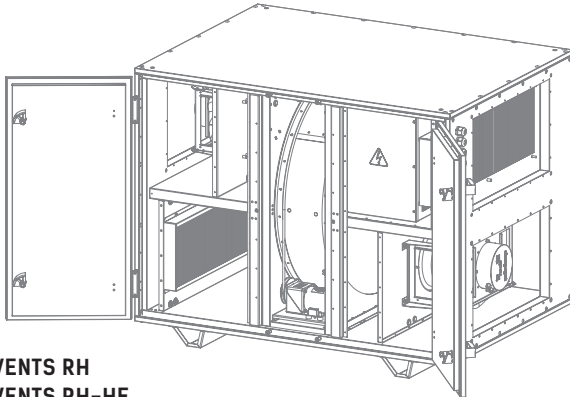
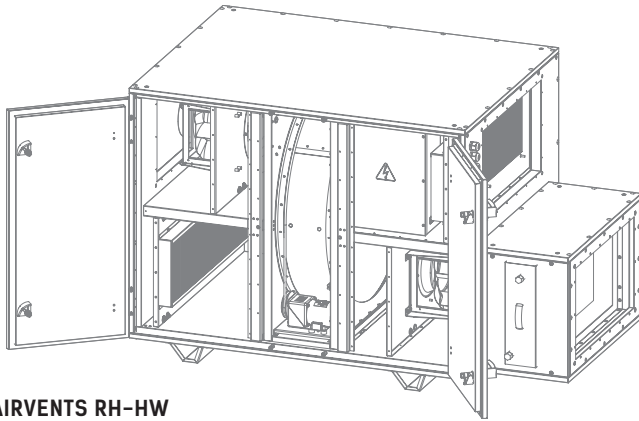


HEAT RECOVERY VENTILATION UNIT RH



AIRVENTS RH
AIRVENTS RH-HE



AIRVENTS RH-HW

The brand new premium line of commercial heat recovery air handling units for floor mounting with high-efficient heat exchanger. Available in five standard sizes based on the air flow capacity of 1500, 2500, 3500, 5000 and 6000 m³/h.

Optionally accomplished with electric heater (RH-HE series) or water heater (RH-HW series) and ready for operation with all necessary control elements.

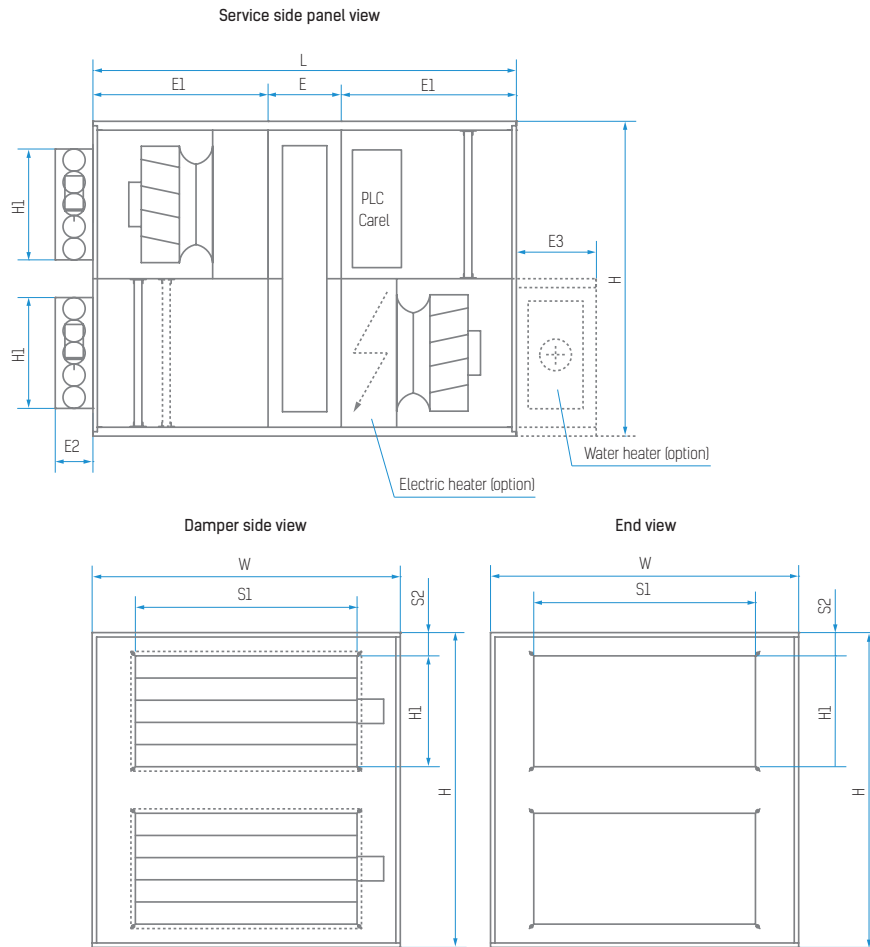
Main features:

- 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.

Technical parameters

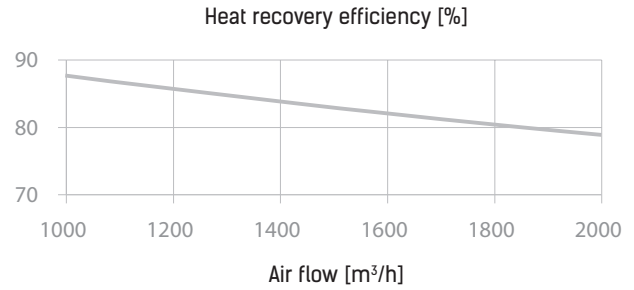
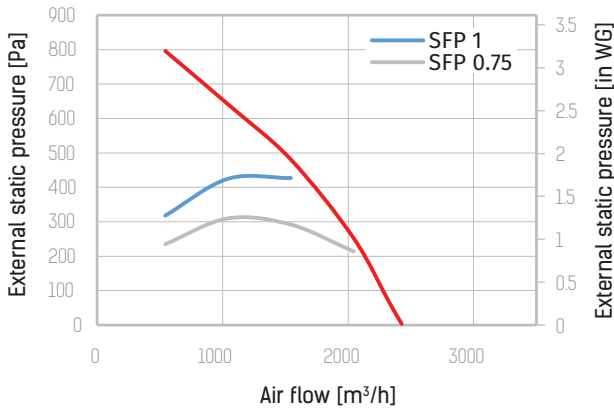
Model	RH 1500	RH 2500	RH 3500	RH 5000	RH 6000		
Nominal air flow [m ³ /h]	1500	2500	3500	5000	6000		
EC fans	phase/voltage [50–60 Hz/VAC]		~1.200/277		~3.380/480		
	power/current [kW/A]		2x0.46/3.0	2x0.74/3.75	2x1.14/1.8	2x1.32/2.1	2x2.6/4.0
	fan speed [min ⁻¹]		2848	2640	2400	1350	1700
	perm. amb. temp. [°C]		-35...+50				
	motor protection		IP54				
	insulation class		F				
	motor sound power level to outlet [dBA]		74	75	76	71	77.6
	SFP @ nominal air flow, max. pressure [kW/(m ³ /s)]		2x1.1	2x1.06	2x1.13	2x0.946	2x1.00
Filter class exhaust/supply standard (optional)		F7 (G4)/F7 (G4)					
Weight (net, without packaging) [kg]		280	290	335	580	640	
Protection class		IP34					
Sound pressure level @ 0.3 m to environment [dBA]		41	43	44	39	46	

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



Dimensions [mm]	RH 1500	RH 2500	RH 3500	RH 5000	RH 6000
L	1300	1300	1300	1910	1910
W	960	960	1290	1390	1390
H	960	960	1260	1420	1420
H1	350	350	350	500	500
S1	600	600	600	1000	1000
S2	55	55	205	105	105
E	290	290	290	330	330
E1	505	505	505	790	790
E2	170	170	170	170	170
E3 (optional)	360	360	360	360	360

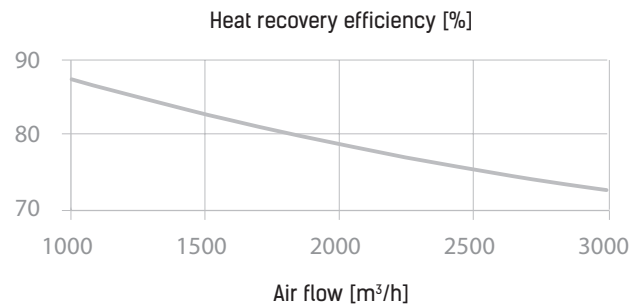
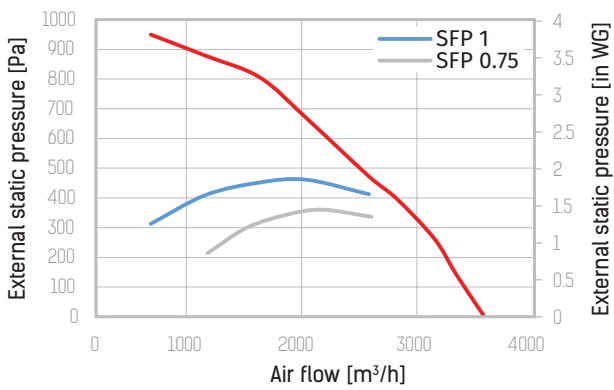
RH 1500



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

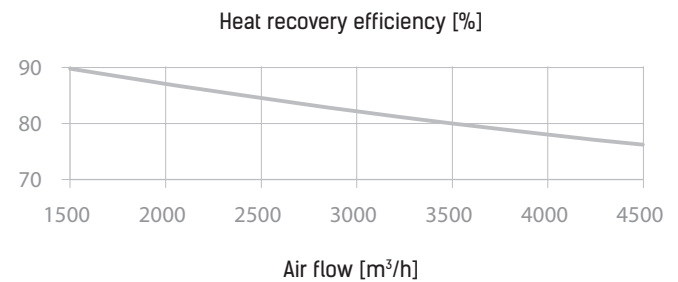
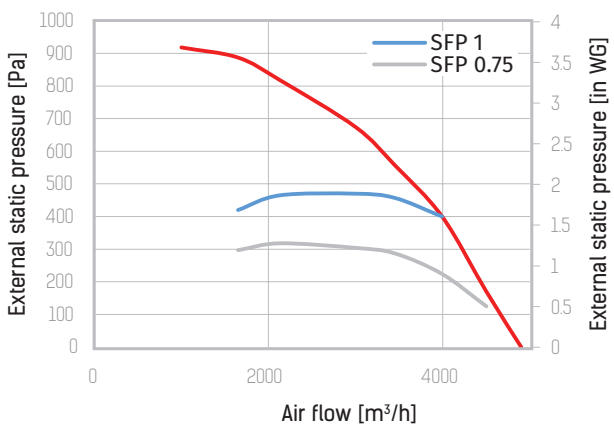
RH 2500



Sound power Lw in dB

Environment	63.6	65.5	64.2	58.2	40.1	57.2	52.2	55.4	63
Outlet	65.6	69.5	72.2	74.2	72.1	68.2	65.2	62.4	76.6
Hz	63	125	250	500	1000	2000	4000	8000	LwA

RH 3500

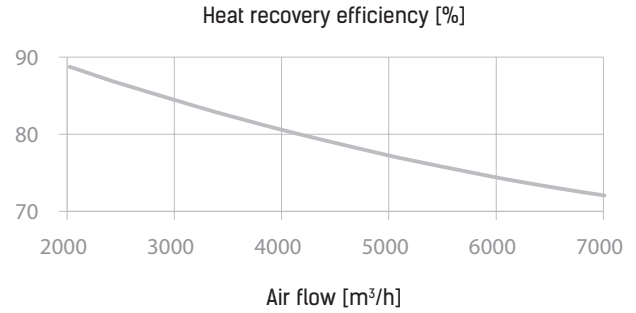
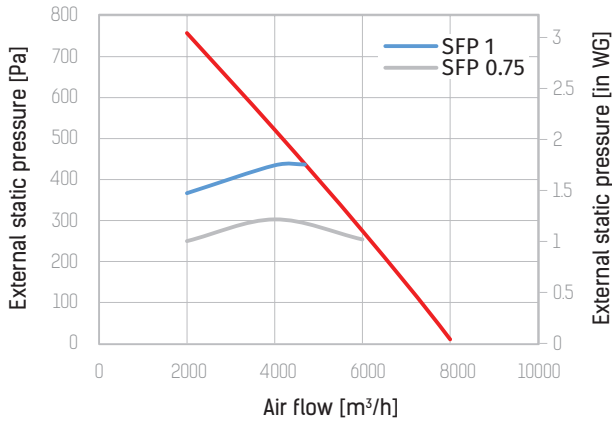


Sound power Lw in dB

Environment	67	64	66	57	37	59	53	57	64
Outlet	69	68	74	73	65	70	66	64	76
Hz	63	125	250	500	1000	2000	4000	8000	LwA

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

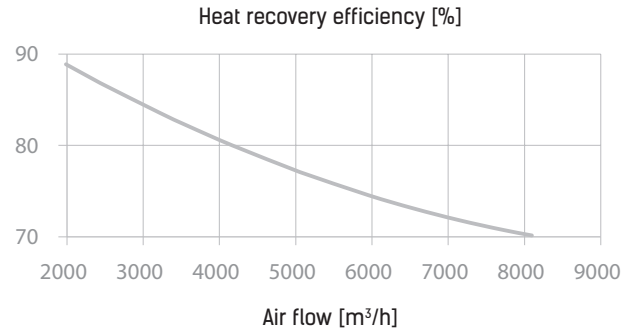
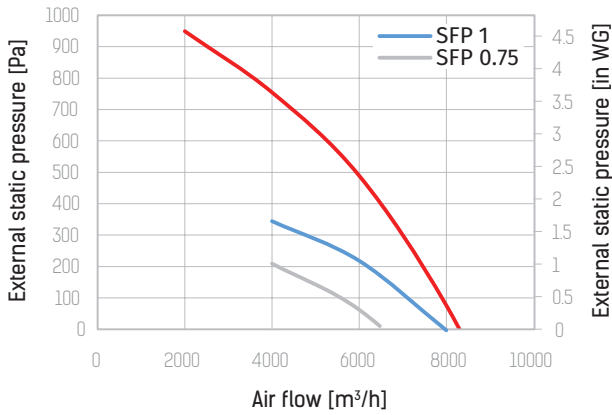
RH 5000



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

RH 6000



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

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