

HEAT RECOVERY VENTILATION UNIT CFP

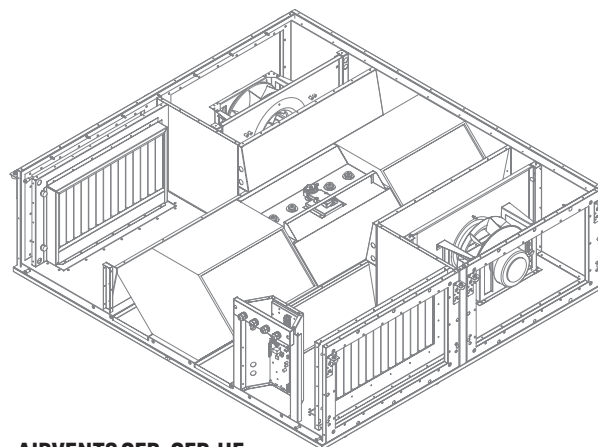
The brand new premium line of commercial heat recovery air handling units for suspended mounting with high-efficient counter-flow heat exchanger. Available in three standard sizes based on the air flow capacity of 1500, 2500 and 3500 m³/h. Optionally accomplished with no heater [CFP series], electric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

Main features:

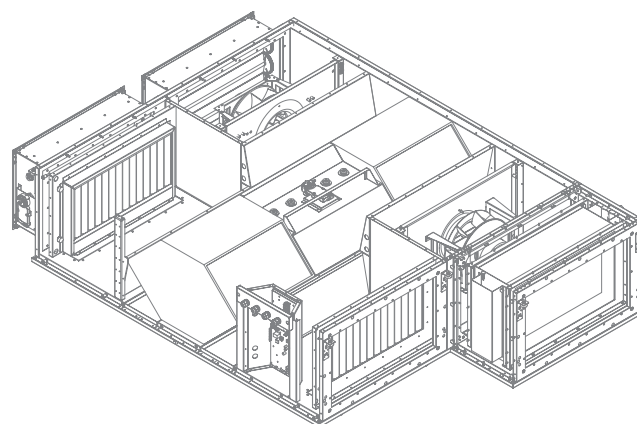
- High-efficient EC fans, backward-curved, external rotor. Low power consumption at any speed, low noise level and stable operation in any climate conditions.
- Integrated plug-and-play controls on the basis of the Carel kVent controller. Easy connecting via web-interface using the Ethernet-Modbus and BACnet.
- Insulated double-skin frameless casing.
- High-efficient counter-flow heat exchanger is made of profiled aluminium plates and impregnated with elastic heat-resistant sealant.
- The stainless steel drain pan is located on the inlet and outlet sides.
- 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 100% bypass of the heat exchanger with automatic damper and Belimo actuator ensures active freeze protection. Free heating and cooling functions are also available. Built-in automatic external air dampers with Belimo actuators.
- ECO-Design'18 compliant.

Technical parameters

Model		CFP 1500	CFP 2500	CFP 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	320
Protection class		IP34		
Sound pressure level @0.3 m to environment [dBA]		41	43	44

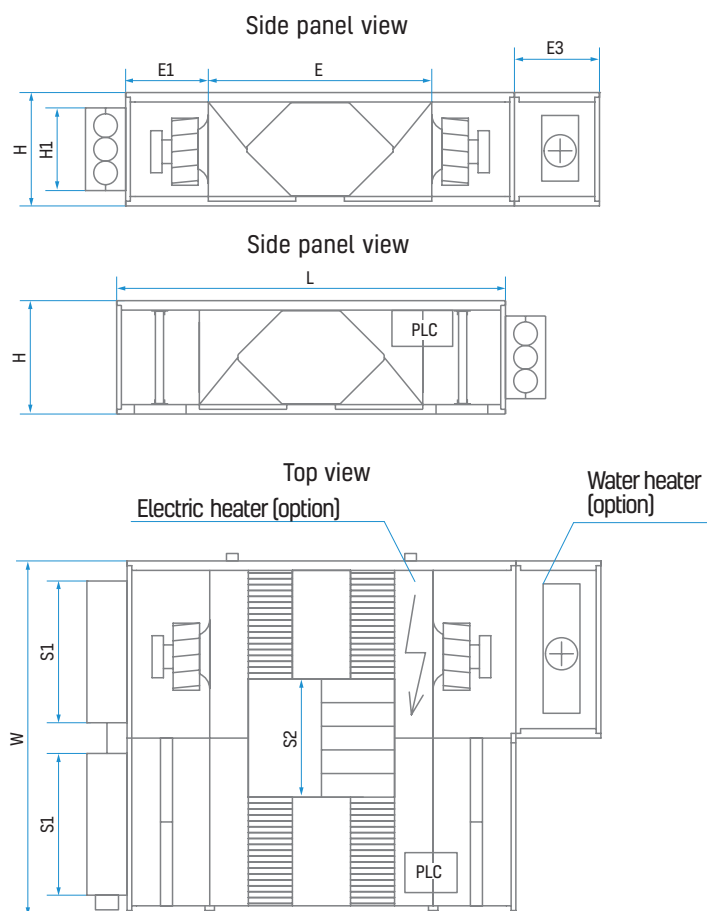


AIRVENTS CFP, CFP-HE



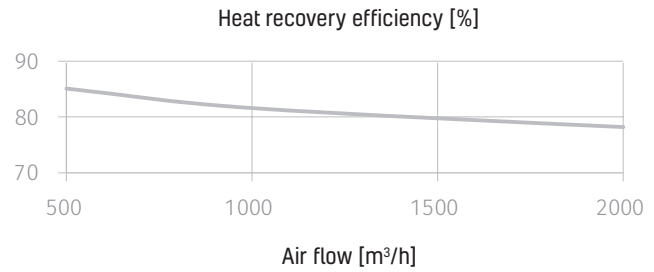
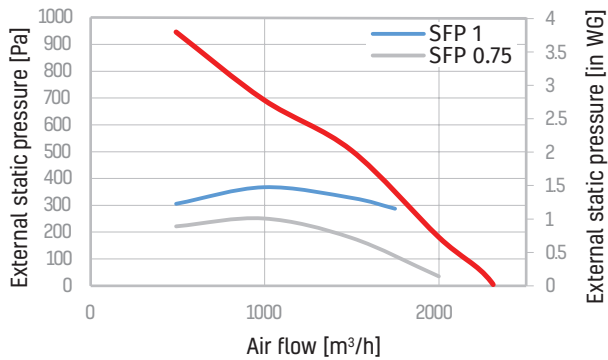
AIRVENTS CFP-HW

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



Dimensions [mm]	CFP 1500	CFP 2500	CFP 3500
L	1646	1646	1880
W	1500	1500	1500
H	480	480	630
H1	350	350	350
S1	600	600	600
S2	500	500	220
E	946	946	1440
E1	350	350	360
E3 (option)	360	360	360

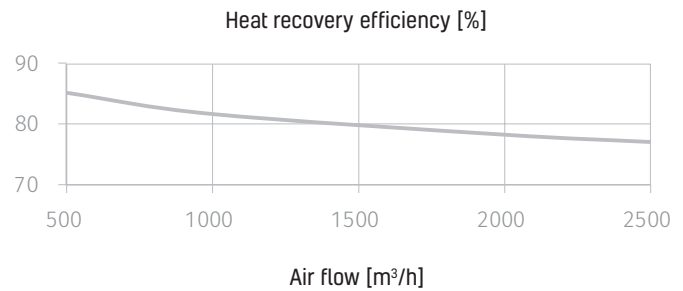
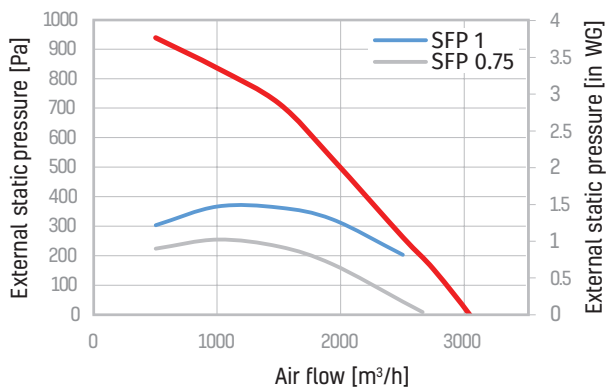
CFP 1500



Sound power L_w 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

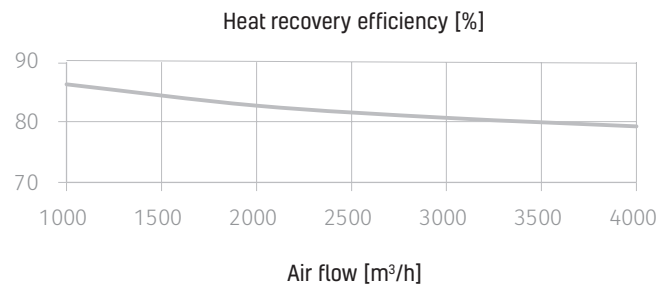
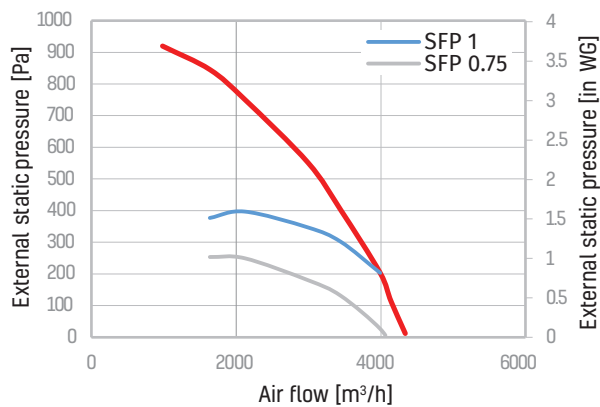
CFP 2500



Sound power L_w 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

CFP 3500



Sound power L_w 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

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