

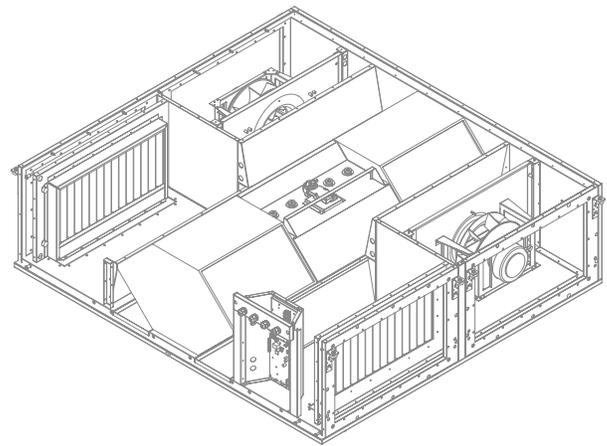
HEAT RECOVERY VENTILATION UNIT CFP

The brand new premium line of commercial heat recovery air handling units for suspended mounting with high-efficient counter-flow heat exchanger. Available in 8 standard sizes based on the air flow capacity of 500, 700, 1200, 1500, 2500, 3500, 5000, 6000 m³/h.

Optionally accomplished with electric/water heater or water/freon cooler 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 controller. Easy connecting via web-interface using the Ethernet-Modbus and BACnet.
- High-efficient counter-flow heat exchanger is made of profiled plastic plates and impregnated with elastic heat-resistant sealant.
- The stainless steel drain pan is located on the inlet and outlet sides.
- Casing: double skin; frameless; 40 mm mineral wool 90 kg/m³ for CFP 500-3500 and with frame 50 mm for CFP 5000-6000. 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 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 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

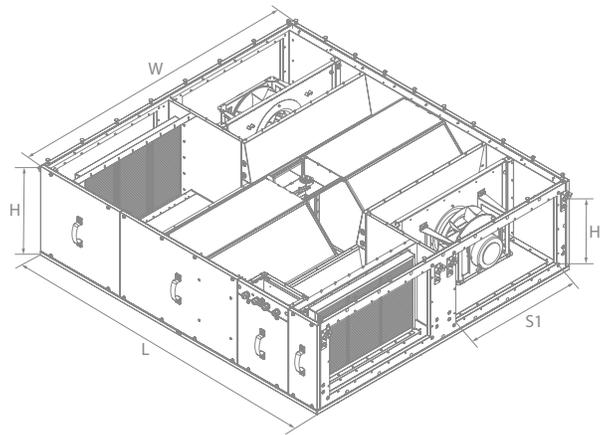
Rated air flow [m ³ /h]	500	700	1200
Phase/voltage [50/60Hz/VAC]		1~200-240	
Power/current [kW/A]	2x0.083/0.75	2x0.169/1.75	2x0.23/2.3
Fan speed [min ⁻¹]	3200	4120	3200
EC fans			
Perm. amb. temp [°C]		-35...+50	
Motor protection		IP54	
Insulation class		F	
Transported air temperature [°C]		-25...+40	
Filter exhaust/supply	ePM1 70%/ePM170% (ISO 16890)-F7 (EN779)		
Weight (net, without packing) [kg]	82	85	120
Housing protection class		IP34	
Sound pressure lvl @ 3m to environment [dBA]	32	33	35

Rated air flow [m³/h]		1500	2500	3500
EC fans	Phase/voltage [50/60Hz/VAC]	1~200/277	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	
	Transported air temperature [°C]		-25...+40	
Filter exhaust/supply	ePM1 70%/ePM1 70% (ISO 16890)-F7 (EN779)			
Weight (net, without packing) [kg]	270	290	320	
Housing protection class		IP34		
Sound pressure lvl @ 3m to environment [dBA]	32	34	35	

Rated air flow [m³/h]		5000	6000
EC fans	Phase/voltage [50/60Hz/VAC]	3~380/480	3~380/480
	Power/current [kW/A]	2x1.32/4.25	2x2.65/8.5
	Fan speed [min ⁻¹]	1350	1700
	Perm. amb. temp [°C]		-35...+50
	Motor protection		IP54
	Insulation class		F
	Transported air temperature [°C]		-25...+40
Filter exhaust/supply	ePM1 70%/ePM1 70% (ISO 16890)-F7 (EN779)		
Weight (net, without packing) [kg]	685	685	
Housing protection class		IP34	
Sound pressure lvl @ 3m to environment [dBA]	34	35	

Overall dimensions

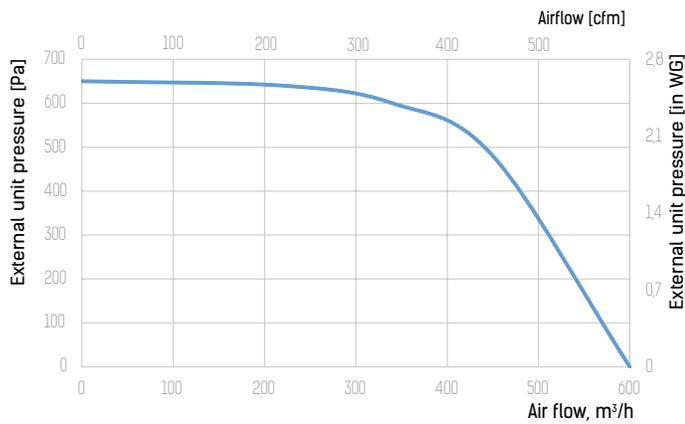
	Dimensions [mm]				
	L	W	H	H1	S1
CFP 500	1500	1100	295	250	-
CFP 700	1500	1100	295	250	-
CFP 1200	1800	1440	380	300	500
CFP 1500	1646	1500	480	350	600
CFP 2500	1646	1500	480	350	600
CFP 3500	1880	1500	630	350	600
CFP 5000	2900	1900	1000	500	800
CFP 6000	2900	1900	1000	500	800



Additional coil sections for CFP 500-6000

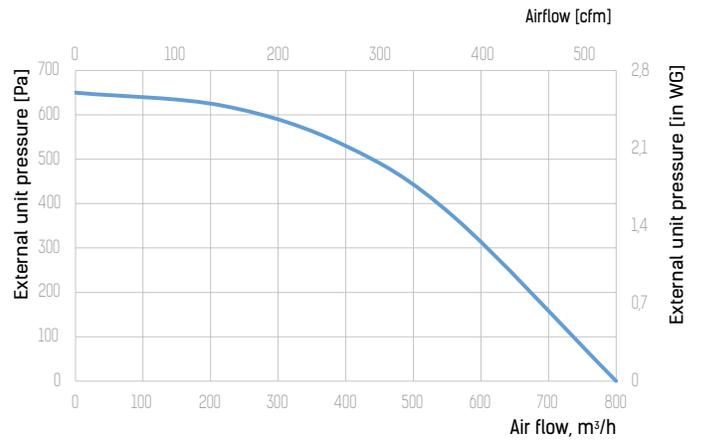
			CFP							
			500	700	1200	1500	2500	3500	5000	6000
Water heater		HW -2 L [mm]	350	350	350	360	360	360	350	350
Water cooler		CW-3 L [mm]	425	425	540	505	505	505	505	505
Electric heater		HE L [mm]	306	306	306	220	220	220	505	505
DX cooler		CDX-3 L [mm]	425	425	540	505	505	505	505	505

CFP 500



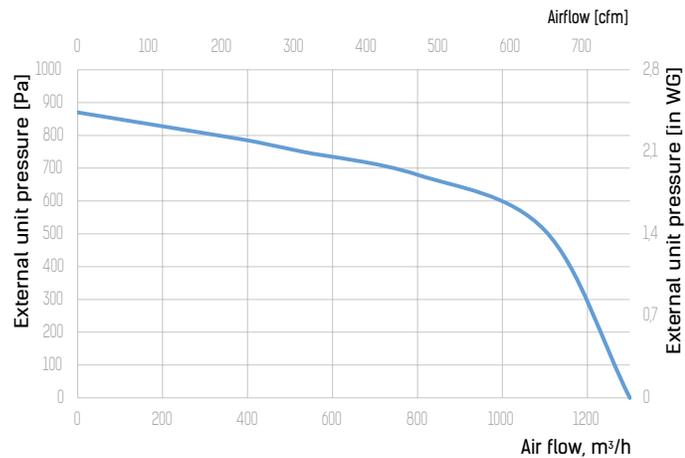
Additional pressure		CFP 500
Water heater	Pa	55
Water cooler	Pa	31
Electric heater	Pa	30
DX cooler	Pa	31

CFP 700



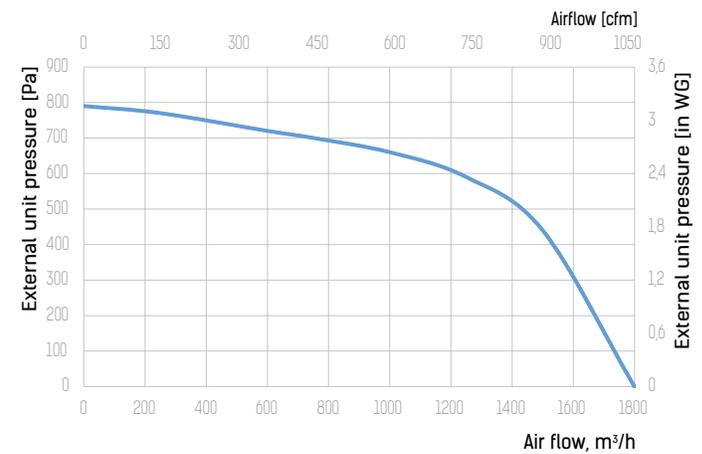
Additional pressure		CFP 700
Water heater	Pa	55
Water cooler	Pa	48
Electric heater	Pa	30
DX cooler	Pa	48

CFP 1200



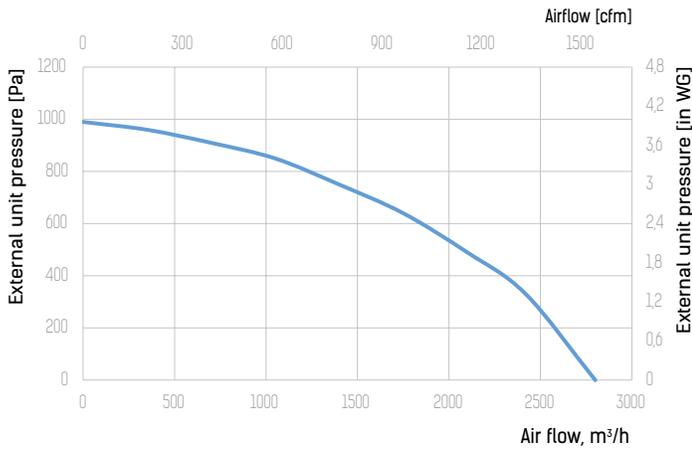
Additional pressure		CFP 1200
Water heater	Pa	55
Water cooler	Pa	100
Electric heater	Pa	30
DX cooler	Pa	100

CFP 1500



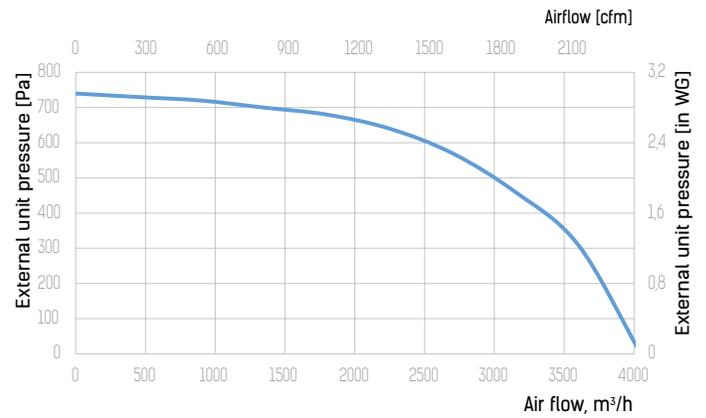
Additional pressure		CFP 1500
Water heater	Pa	55
Water cooler	Pa	82
Electric heater	Pa	30
DX cooler	Pa	82

CFP 2500



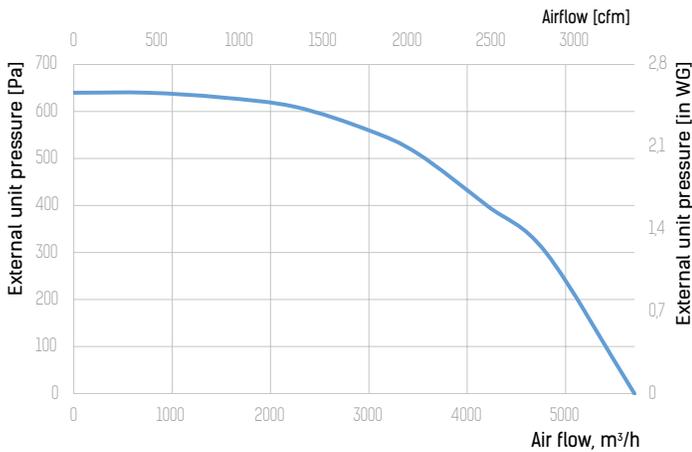
Additional pressure		CFP 2500
Water heater	Pa	60
Water cooler	Pa	204
Electric heater	Pa	30
DX cooler	Pa	204

CFP 3500



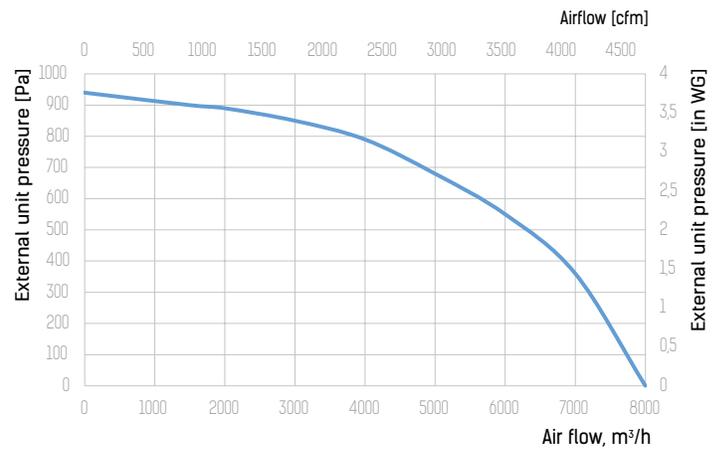
Additional pressure		CFP 3500
Water heater	Pa	90
Water cooler	Pa	286
Electric heater	Pa	30
DX cooler	Pa	286

CFP 5000



Additional pressure		CFP 5000
Water heater	Pa	55
Water cooler	Pa	223
Electric heater	Pa	35
DX cooler	Pa	223

CFP 6000



Additional pressure		CFP 6000
Water heater	Pa	90
Water cooler	Pa	285
Electric heater	Pa	50
DX cooler	Pa	285