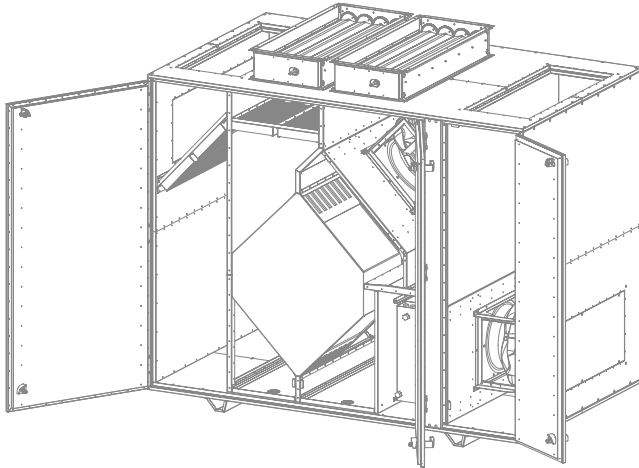


## HEAT RECOVERY VENTILATION UNIT CFV

The brand new premium line of commercial heat recovery air handling units for floor mounting with high-efficient counter-flow heat exchanger. Available in 7 standard sizes based on the air flow capacity of 800, 1200, 1500, 2500, 3500, 5000, 6000 m<sup>3</sup>/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 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 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.

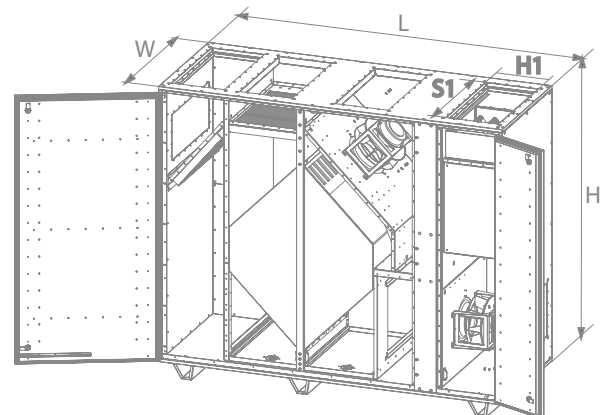
### Technical parameters

Rated air flow [m <sup>3</sup> /h]	800	1200	1500
Phase/voltage [50/60Hz/VAC]		1~200-240	
Power/current [kW/A]	2x0.27/2.5	2x0.61/5.3	2x0.53/4.8
EC fans			
Fan speed [min <sup>-1</sup> ]	2800	3000	3000
Perm. amb. temp. [C0]		-35...+50	
Motor protection		IP54	
Insulation class		F	
Filter exhaust/supply		ePM1 70%/ePM1 70% (ISO 16890)-F7 (EN779)	
Weight (net, without packing) [kg]	260	260	307
Housing protection class		IP34	
Sound pressure lvl @ 3m to environment [dBA]	34	37	28
Transported air temperature [C0]		-25...+40	

Rated air flow [m³/h]	2500	3500	5000	6000	
Phase/voltage [50/60Hz/VAC]	1~200/277	3~380/480	3~380/480	3~380/480	
Power/current [kW/A]	2x0.75/6.8	2x1.15/3.6	2x1.32/4.25	2x2.6/8.5	
EC fans	Fan speed [min <sup>-1</sup> ]	3000	2400	1350	1700
	Perm. amb. temp. [C0]	-35...+50			
	Motor protection	IP54			
	Insulation class	F			
Filter exhaust/supply	ePM1 70%/ePM1 70% (ISO 16890)-F7 (EN779)				
Weight (net, without packing) [kg]	307	515	715	715	
Housing protection class	IP34				
Sound pressure lvl @ 3m to environment [dBA]	30	34	32	34	
Transported air temperature [C0]	-25...+40				

**Overall dimensions**

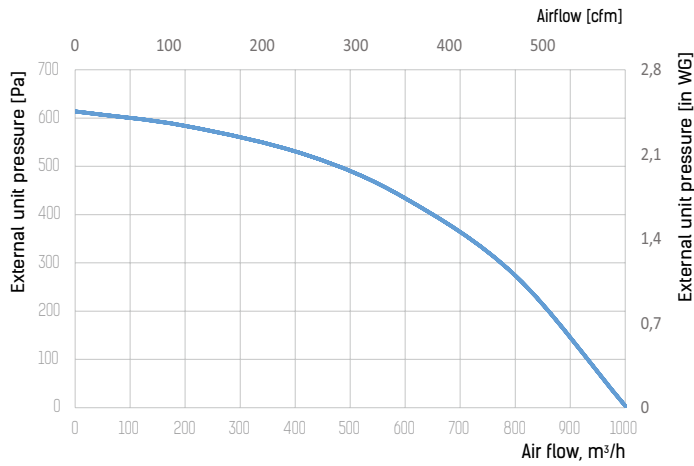
	Dimensions [mm]				
	L	W	H	H1	S1
<b>CFV 800</b>	1400	800	1250	Ø315	-
<b>CFV 1200</b>	1400	800	1250	Ø315	-
<b>CFV 1500</b>	1950	750	1550	300	600
<b>CFV 2500</b>	1950	750	1550	300	600
<b>CFV 3500</b>	2200	890	1800	300	600
<b>CFV 5000</b>	2330	1390	1800	400	1000
<b>CFV 6000</b>	2330	1390	1800	400	1000



**Additional coil sections for CFV 800-6000**

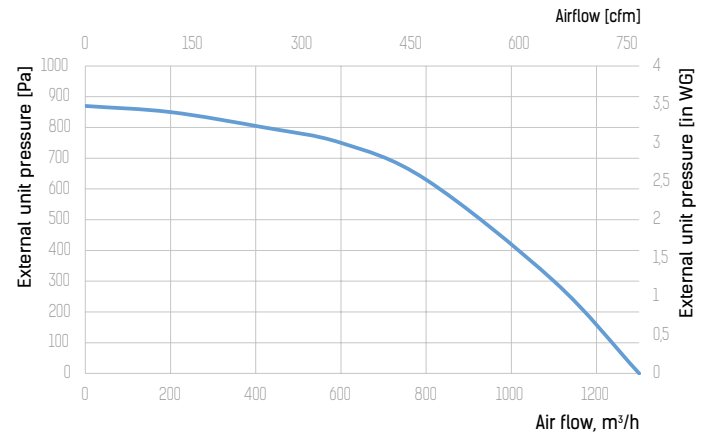
				CFV						
				800	1200	1500	2500	3500	5000	6000
<b>Water cooler</b>		CW-3	W×H [mm]	500×250	500×250	600×350	600×350	600×350	1000×500	1000×500
<b>DX cooler</b>		CDX-3	W×H [mm]	500×250	500×250	600×350	600×350	600×350	1000×500	1000×500

## CFV 800



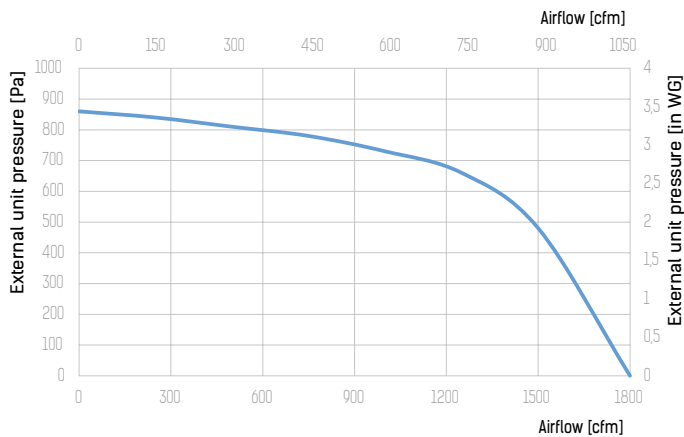
Additional pressure		CFV 800
Water heater	Pa	35
Water cooler	Pa	68
Electric heater	Pa	25
DX cooler	Pa	68

## CFV 1200



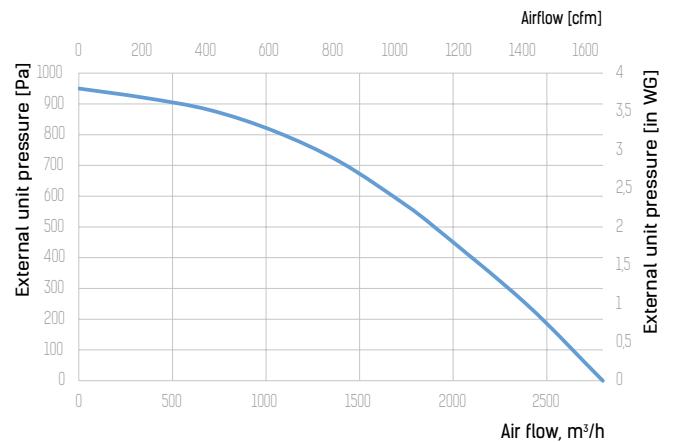
Additional pressure		CFV 1200
Water heater	Pa	35
Water cooler	Pa	139
Electric heater	Pa	25
DX cooler	Pa	139

## CFV 1500



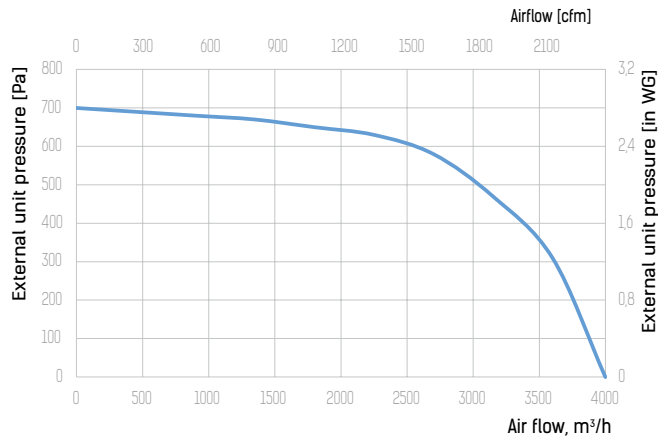
Additional pressure		CFV 1500
Water heater	Pa	50
Water cooler	Pa	82
Electric heater	Pa	30
DX cooler	Pa	82

## CFV 2500



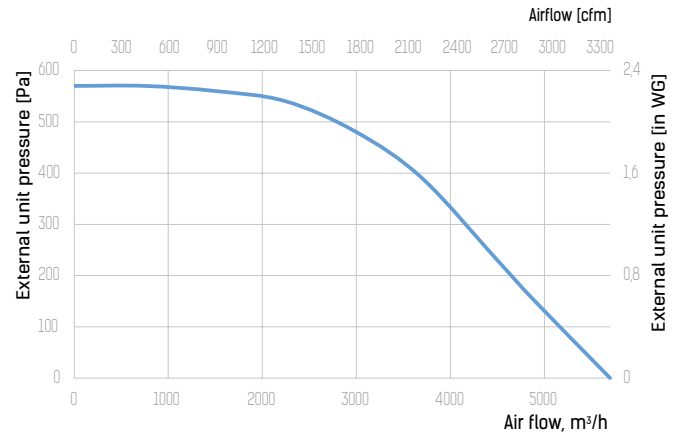
Additional pressure		CFV 2500
Water heater	Pa	55
Water cooler	Pa	197
Electric heater	Pa	30
DX cooler	Pa	197

## CFV 3500



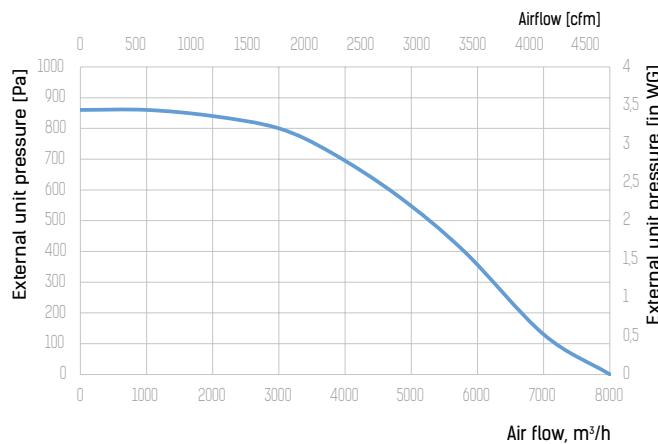
Additional pressure		CFV 3500
Water heater	Pa	60
Water cooler	Pa	286
Electric heater	Pa	30
DX cooller	Pa	286

## CFV 5000



Additional pressure		CFV 5000
Water heater	Pa	75
Water cooler	Pa	123
Electric heater	Pa	35
DX cooller	Pa	123

## CFV 6000



Additional pressure		CFV 6000
Water heater	Pa	90
Water cooler	Pa	207
Electric heater	Pa	50
DX cooller	Pa	207