

BLAUAIR CFV

FLOOR MOUNTED HEAT RECOVERY UNITS



FEATURES

High-efficient EC fans, backward-curved, external rotor. Integrated plug-and-play controls.

Automatic bypass. ECO-Design'18 compliant. Polystyrene plate heat exchanger. Panel filters ePM1 70% (ISO 16890)-F7 (EN779). Hinged service doors.

Web interface, MODBUS, outputs for optional water/freon cooler or electric/water heater.

Complete set of accessories: silencers, economizers, VAV, CAV, etc.

Operation by RH/CO₂/temperature/constant pressure/timer schedule.



Casing

- Double skin
- Frameless
- 40 mm mineral wool 90 kg/m³
- Outer skin: zinc-aluminum
- Inner skin: zinc-aluminum
- EN1886 class: D1, T3, TB4

Heat exchanger

High-efficient counterflow heat exchanger made of profiled polystyrene plates, packed with elastic heat-resistant sealant. Stainless steel drain pan on both supply and exhaust sides.

Bypass and dampers

Automatic bypass damper with a **Belimo actuator** provides active frost protection, free-heating and free-cooling functions. Optionally integrated automatic external dampers with Belimo drives.

BELIMO[®]

Filters

Panel filters ePM1 70% (ISO 16890)-F7 (EN779) on both supply and exhaust.

Technical data

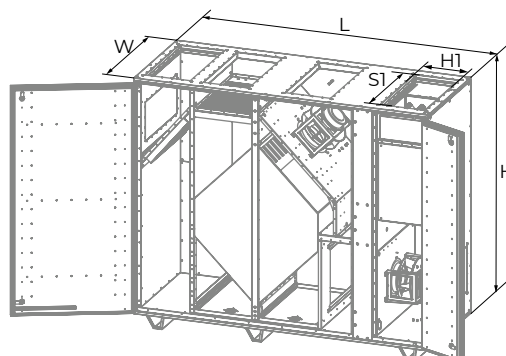
	CFV 800	CFV 1200
Phase/voltage [50–60 Hz/VAC]	1~200/240	
Power/current [kW/A]	2x0.168/2.4	2x0.53/4.8
Fan speed [min ⁻¹]	2200	2470
Permanent ambient temperature [°C]	-35...+50	
Motor protection	IP54	
Insulation class (motor)	F	
Filter class exhaust/supply standard (optional)	ePM1 70%/ePM1 70% (ISO 16890)-F7 (EN779)	
Weight (net, without packing) [kg]	260	260
Sound pressure level at 3 m to environment [dBA]	29	26
Transported air temperature [°C]	-25...+40	

	CFV 1500	CFV 2500
Phase/voltage [50–60 Hz/VAC]	1~200/240	
Power/current [kW/A]	2x0.53/4.8	2x0.7/6.2
Fan speed [min ⁻¹]	2430	2100
Permanent ambient temperature [°C]	-35...+50	
Motor protection	IP54	
Insulation class (motor)	F	
Filter class exhaust/supply standard (optional)	ePM1 70%/ePM1 70% (ISO 16890)-F7 (EN779)	
Weight (net, without packing) [kg]	307	307
Sound pressure level at 3 m to environment [dBA]	26	33
Transported air temperature [°C]	-25...+40	

	CFV 3500	CFV 5000	CFV 6000
Phase/voltage [50–60 Hz/VAC]	3~380/480		
Power/current [kW/A]	2x1.1/3.52	2x1.32/4.2	2x2.55/7.8
Fan speed [min ⁻¹]	1800	1300	1500
Permanent ambient temperature [°C]	-35...+50		
Motor protection	IP54		
Insulation class (motor)	F		
Filter class exhaust/supply standard (optional)	ePM1 70%/ePM1 70% (ISO 16890)-F7 (EN779)		
Weight (net, without packing) [kg]	515	715	715
Sound pressure level at 3 m to environment [dBA]	35	26	28
Transported air temperature [°C]	-25...+40		

Dimensions [mm]



	L	W	H	H1	S1
CFV 800	1400	800	1250	∅ 315	–
CFV 1200	1400	800	1250	∅ 315	–
CFV 1500	1950	750	1550	300	600
CFV 2500	1950	750	1550	300	600
CFV 3500	2200	890	1800	300	600
CFV 5000	2330	1390	1800	400	1000
CFV 6000	2330	1390	1800	400	1000



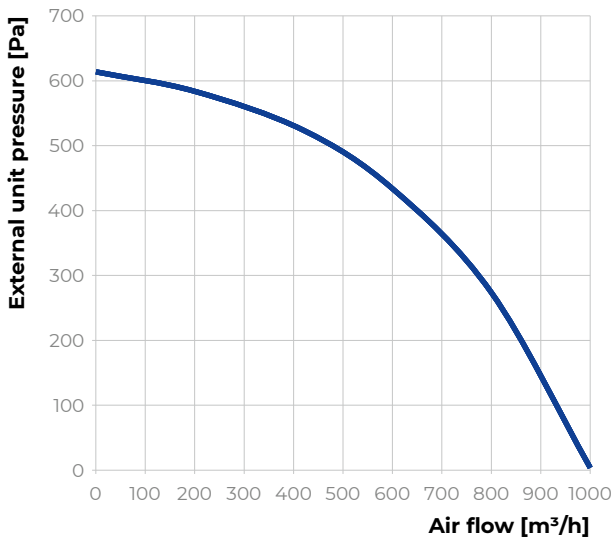
Connectors and adapters dimensions [mm]

	Flexible connection	Damper	Adapter
CFV 800 / CFV 1200	∅ 315	∅ 315	∅ 250 / 500×250
CFV 1500 / CFV 2500	600×300	600×300	600×300 / 600×350
CFV 3500	600×300	600×300	600×300 / 600×350
CFV 5000 / CFV 6000	1000×400	1000×400	1000×400 / 1000×500

Additional coil sections dimensions (W×H [mm])

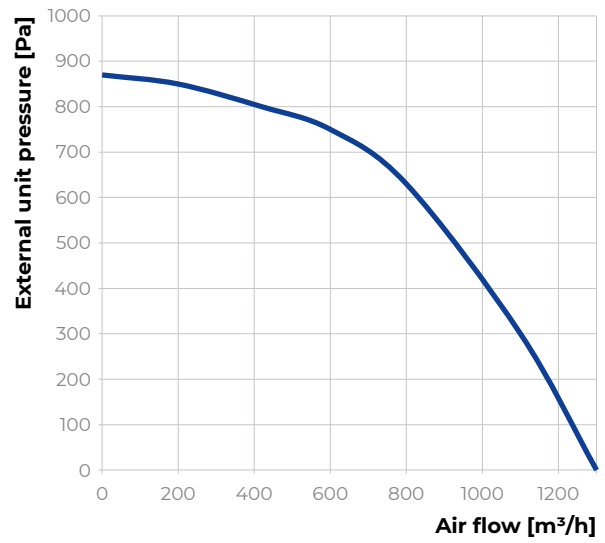
		CFV 800	CFV 1200	CFV 1500	CFV 2500	CFV 3500	CFV 5000	CFV 6000
Water cooler CW-3		500×250	500×250	600×350	600×350	600×350	1000×500	1000×500
DX cooler CDX-3		500×250	500×250	600×350	600×350	600×350	1000×500	1000×500

CFV 800



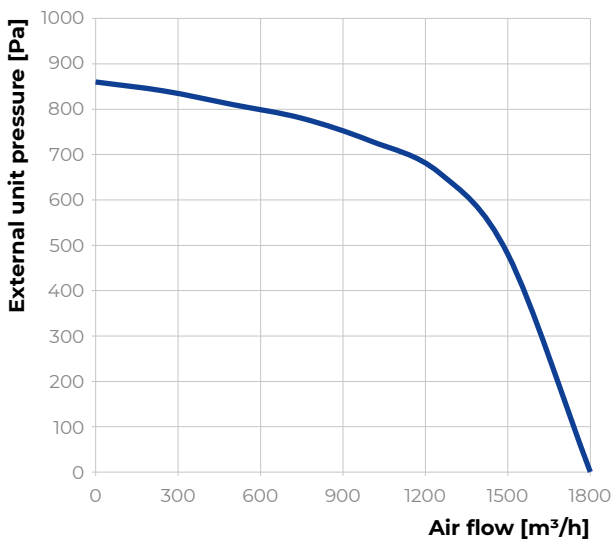
Additional pressure	CFV 800
Water heater [Pa]	35
Water cooler [Pa]	68
Electric heater [Pa]	25
DX cooler [Pa]	68

CFV 1200



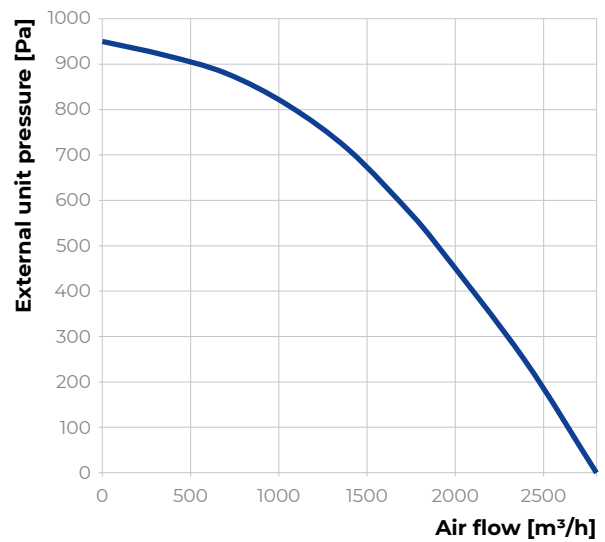
Additional pressure	CFV 1200
Water heater [Pa]	35
Water cooler [Pa]	139
Electric heater [Pa]	25
DX cooler [Pa]	139

CFV 1500

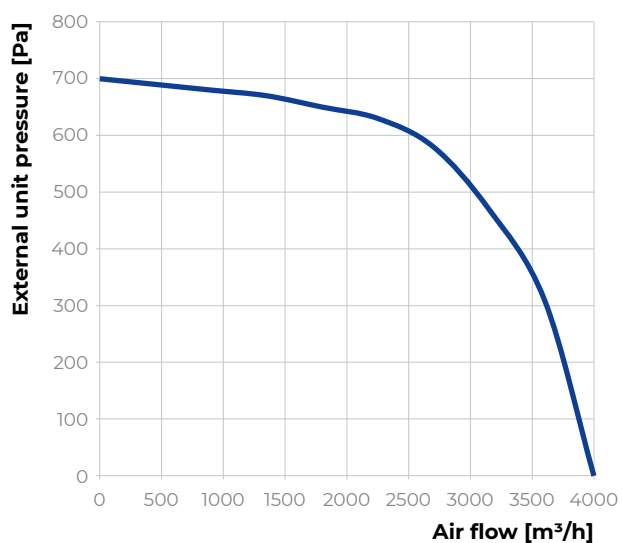


Additional pressure	CFV 1500
Water heater [Pa]	50
Water cooler [Pa]	82
Electric heater [Pa]	30
DX cooler [Pa]	82

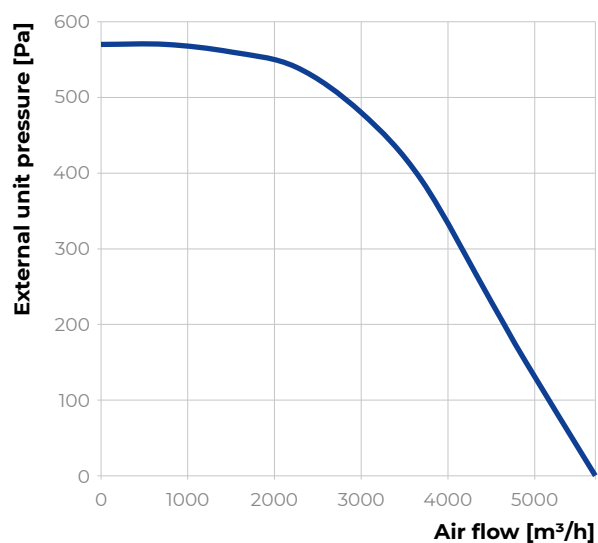
CFV 2500



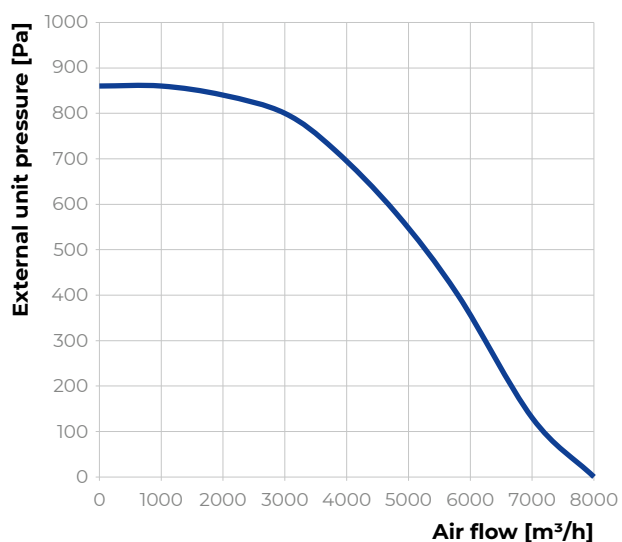
Additional pressure	CFV 2500
Water heater [Pa]	55
Water cooler [Pa]	197
Electric heater [Pa]	30
DX cooler [Pa]	197

CFV 3500

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

CFV 5000

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

CFV 6000

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