

BLAUAIR CFP

**CEILING MOUNTED
HEAT RECOVERY
UNITS**



CFP

500 / 700 / 1200 / 1500 / 2500 /
3500 / 5000 / 6000

FEATURES

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

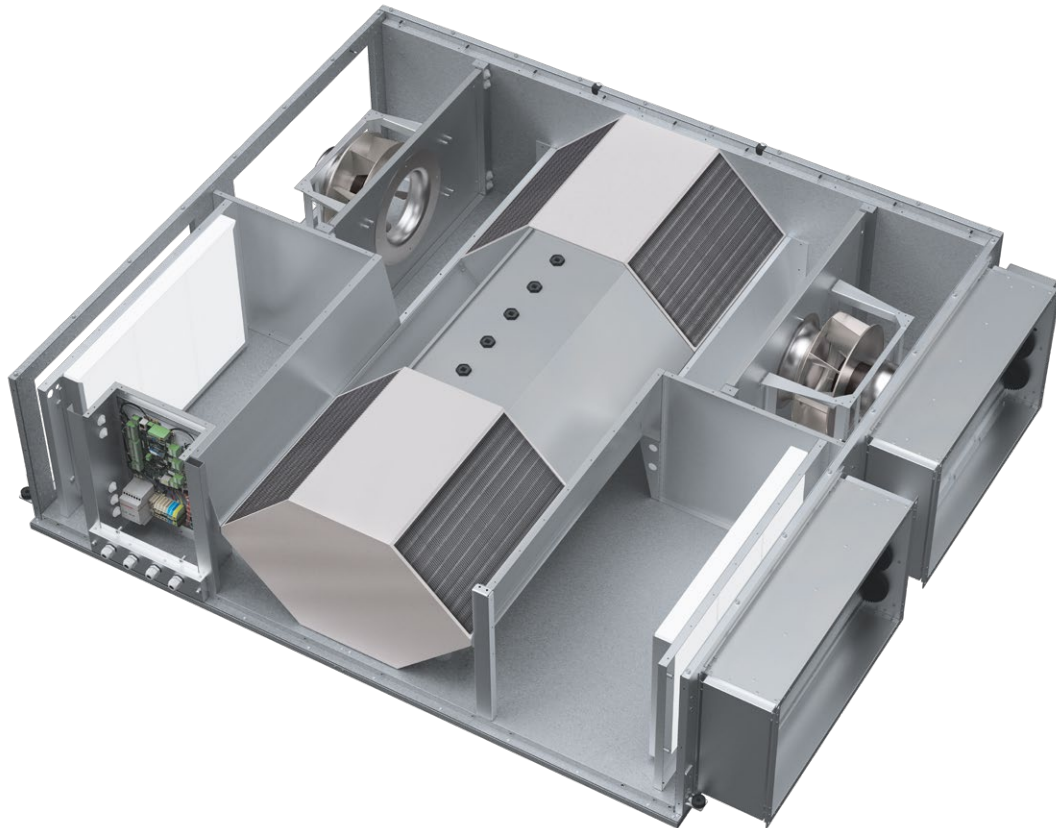
Automatic full-size bypass. ECO-Design'18 compliant. Polystyrene plate heat exchanger. Panel filters ePM1 55%. Removable service doors.

Optional outdoor installation with outdoor mounting kit for CFP 5000-6000.

Web interface, MODBUS, outputs for optional DX or Hydronic cooling/ heating.

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 for CFP 500-3500 and with frame 50 mm for CFP 5000-6000
- Outer skin: zinc-aluminum
- Inner skin: zinc-aluminum
- EN1886 class: D1, T3, TB3

Heat exchanger

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

Bypass and dampers

Automatic 100 % heat exchanger bypass damper with a **Belimo actuator** provides active frost protection, free-heating and free-cooling functions. Integrated automatic external dampers with Belimo drives.

BELIMO[®]

Filters

Panel F7 class filters on both supply and exhaust.

Technical parameters

Rated air flow [m ³ /h]		500	700	1000
EC fans	Phase/voltage [50/60 Hz/VAC]	1~200-240		
	Power/current [kW/A]	2×0.083/0.75	2×0.169/1.75	2×0.23/2.3
	Fan speed [min ⁻¹]	3200	4120	3200
	Perm. amb. temp [°C]	-35...+50		
	Motor protection	IP54		
	Insulation class	F		
	Transported air temperature [°C]	-25...+40		
Filter exhaust/supply	ePM1 55%/ePM1 55% (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 [m ³ /h]		1500	2500	3500
EC fans	Phase/voltage [50/60 Hz/VAC]	1~200/277	1~200/277	3~380/480
	Power/current [kW/A]	2×0.46/3.0	2×0.74/3.75	2×1.14/1.8
	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 55%/ePM1 55% (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 [m ³ /h]		5000	6000
EC fans	Phase/voltage [50/60 Hz/VAC]	3~380/480	3~380/480
	Power/current [kW/A]	2×1.32/4.25	2×2.65/8.5
	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 55%/ePM1 55% (ISO 16890)-F7 (EN779)		
Weight (net, without packing) [kg]	685	685	
Housing protection class	IP34		
Sound pressure lvl @ 3m to environment [dBA]	34	35	

