

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.

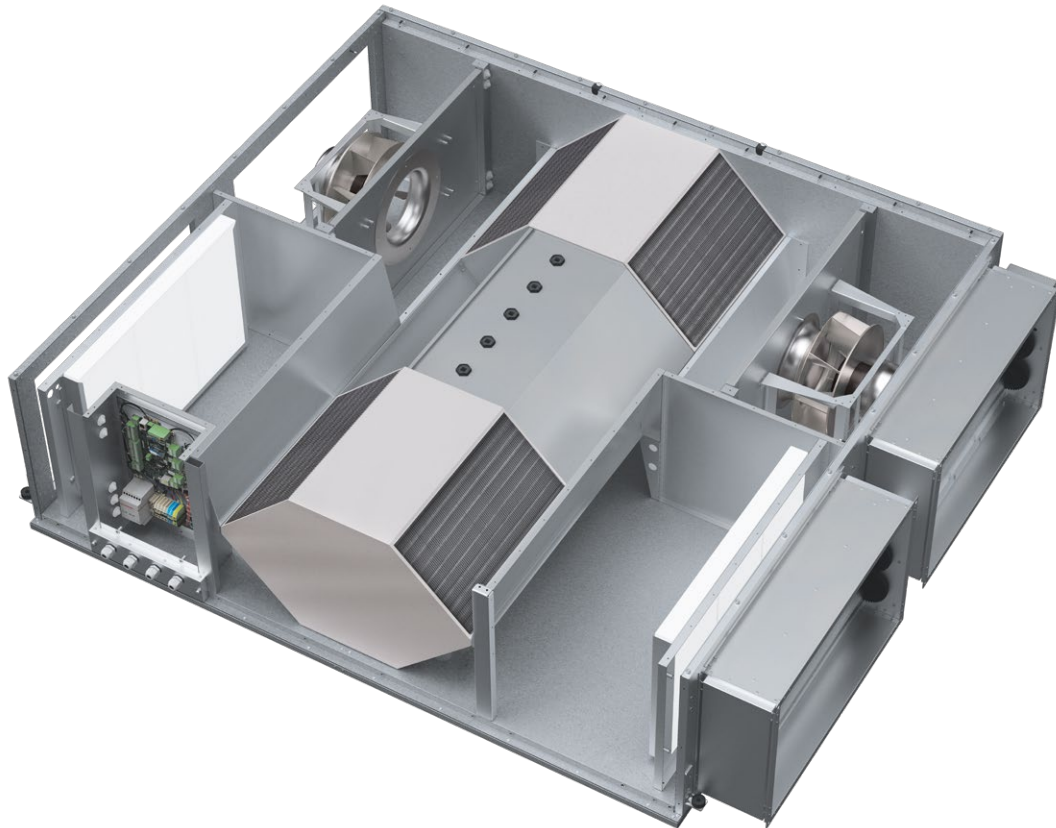
Automatic full-size bypass. ECO-Design'18 compliant. Polystyrene plate heat exchanger. Panel filters ePM1 55%. Removable service doors.

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 | |

