AIRsupply

# BLAUAIR CFV

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**FLOOR MOUNTED HEAT RECOVERY UNITS**

EC motor

ErP 2018

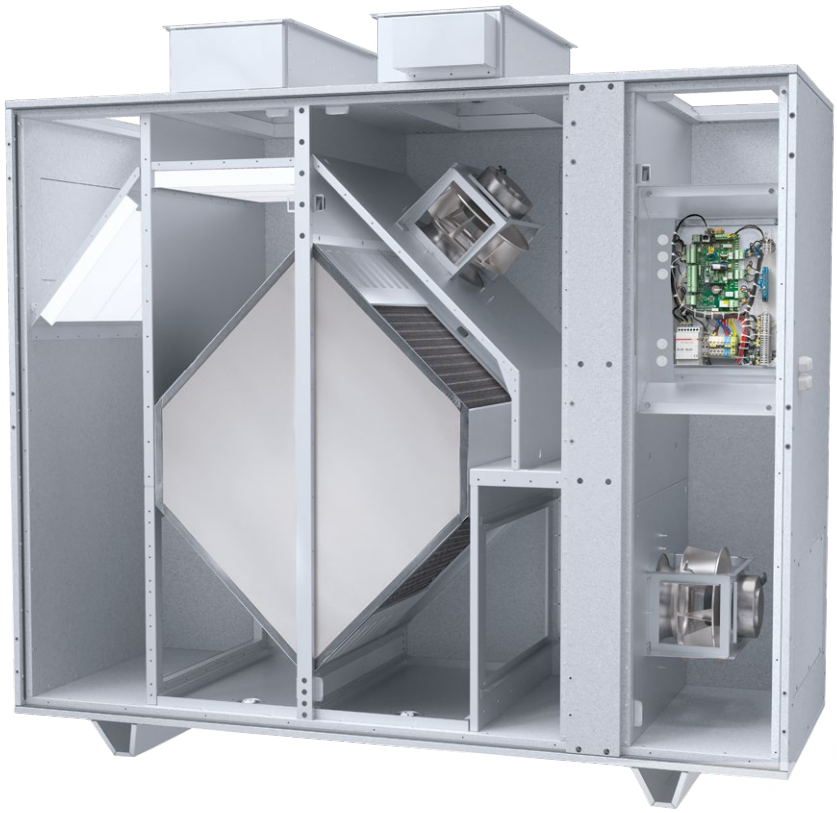
## CFV

800 / 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%. Hinged service doors.
- Optional outdoor installation with outdoor mounting kit. Web interface, MODBUS, outputs for optional DX or Hydronic cooling / heating.
- Complete set of accessories: silencers, economizers, VAV, CAV, etc.
- Operation by RH/$CO_2$/temperature/ constant pressure/timer schedule.

STANDARDVENTILATIONSANLÆG



## Casing

- Double skin
- Frameless
- 40 mm mineral wool 90 kg/m³
- 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.

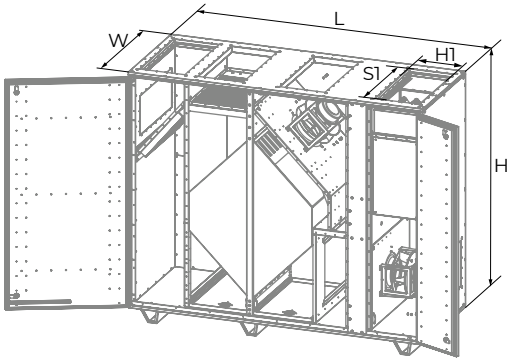
# Technical parameters

| Rated air flow [m³/h] | | 1500 | 2500 | 3500 |
|---|---|---|---|---|
| EC fans | Phase/voltage [50/60 Hz/VAC] | 1~200-240 | 1~200/277 | 3~380/480 |
| | Power/current [kW/A] | 2×0.53/4.8 | 2×0.75/6.8 | 2×1.15/3.6 |
| | Fan speed [min$^{-1}$] | 3000 | 3000 | 2400 |
| | Perm. amb. temp. [°C] | -35...+50 | | |
| | Motor protection | IP54 | | |
| | Insulation class | F | | |
| Filter exhaust/supply | | ePM1 55%/ePM1 55% (ISO 16890)-F7 (EN779) | | |
| Weight (net, without packing) [kg] | | 307 | 307 | 515 |
| Housing protection class | | IP34 | | |
| Sound pressure lvl @ 3m to environment [dBA] | | 28 | 30 | 34 |
| Transported air temperature [°C] | | -25...+40 | | |

| Rated air flow [m³/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 | 2×2.6/8.5 |
| | Fan speed [min$^{-1}$] | 1350 | 1700 |
| | Perm. amb. temp. [°C] | -35...+50 | |
| | Motor protection | IP54 | |
| | Insulation class | F | |
| Filter exhaust/supply | | ePM1 55%/ePM1 55% (ISO 16890)-F7 (EN779) | |
| Weight (net, without packing) [kg] | | 715 | 715 |
| Housing protection class | | IP34 | |
| Sound pressure lvl @ 3m to environment [dBA] | | 32 | 34 |
| Transported air temperature [°C] | | -25...+40 | |

## Overall dimensions [mm]

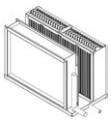
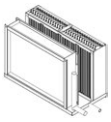
| | L | W | H | H1 | S1 |
|---|---|---|---|---|---|
| **CFV 1500** | 1950 | 750 | 1550 | 300 | 600 |
| **CFV 2500** | 1950 | 750 | 1550 | 300 | 600 |
| **CFV 3500** | 1300 | 1260 | 1290 | 300 | 600 |
| **CFV 5000** | 2330 | 1390 | 1800 | 400 | 1000 |
| **CFV 6000** | 2330 | 1390 | 1800 | 400 | 1000 |




## Connectors and adapters

| | Size [mm] | | |
|---|---|---|---|
| | Flexible connection | Damper | Adapter |
| **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 for CFV 1500-6000

| | | | | 1500 | 2500 | 3500 | 5000 | 6000 |
|---|---|---|---|---|---|---|---|---|
| **Water cooler** |  | **CW-3** | **W×H [mm]** | 600×350 | 600×350 | 600×350 | 1000×500 | 1000×500 |
| **DX cooler** |  | **CDX-3** | **W×H [mm]** | 600×350 | 600×350 | 600×350 | 1000×500 | 1000×500 |

*AIRsupply forbeholder sig ret til ændringer. Alle oplysninger, der står i denne brochure, kan ændres uden forudgående varsel.*