AIRsupply

BLAUAIR CFV

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FLOOR MOUNTED HEAT RECOVERY UNITS

EC motor

ErP 2018

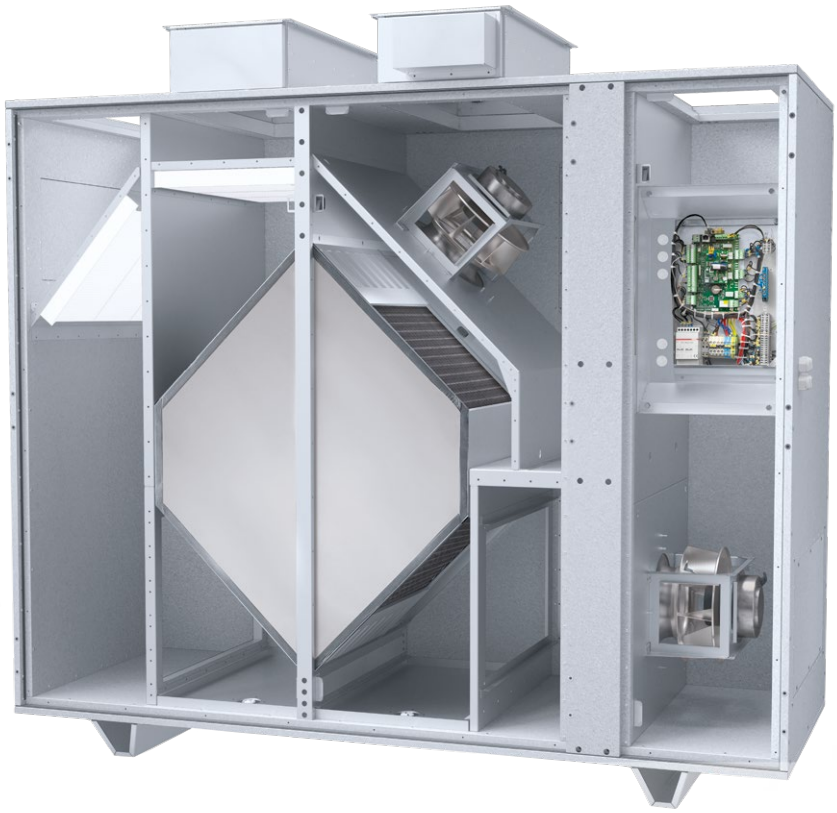
CFV

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.

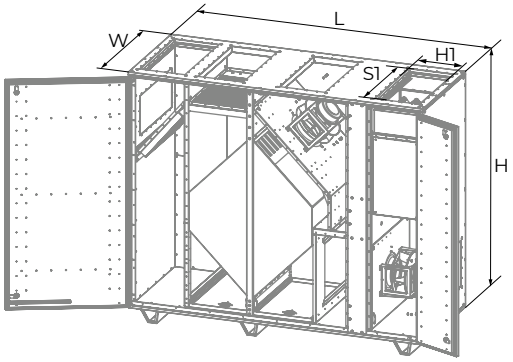
Technical parameters

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]

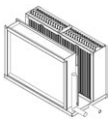
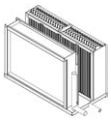
	L	W	H	H1	S1
CFV 1500	1950	750	1550	300	600
CFV 2500	1950	750	1550	300	600
CFV 3500	1300	1260	1290	300	600
CFV 5000	2330	1390	1800	400	1000
CFV 6000	2330	1390	1800	400	1000



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.