AIRsupply

BLAUAIR CFH

FLOOR MOUNTED HEAT RECOVERY UNITS

CFH

800 / 1200 / 1500 / 2500 /
3500 / 5000 / 6000

FEATURES

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

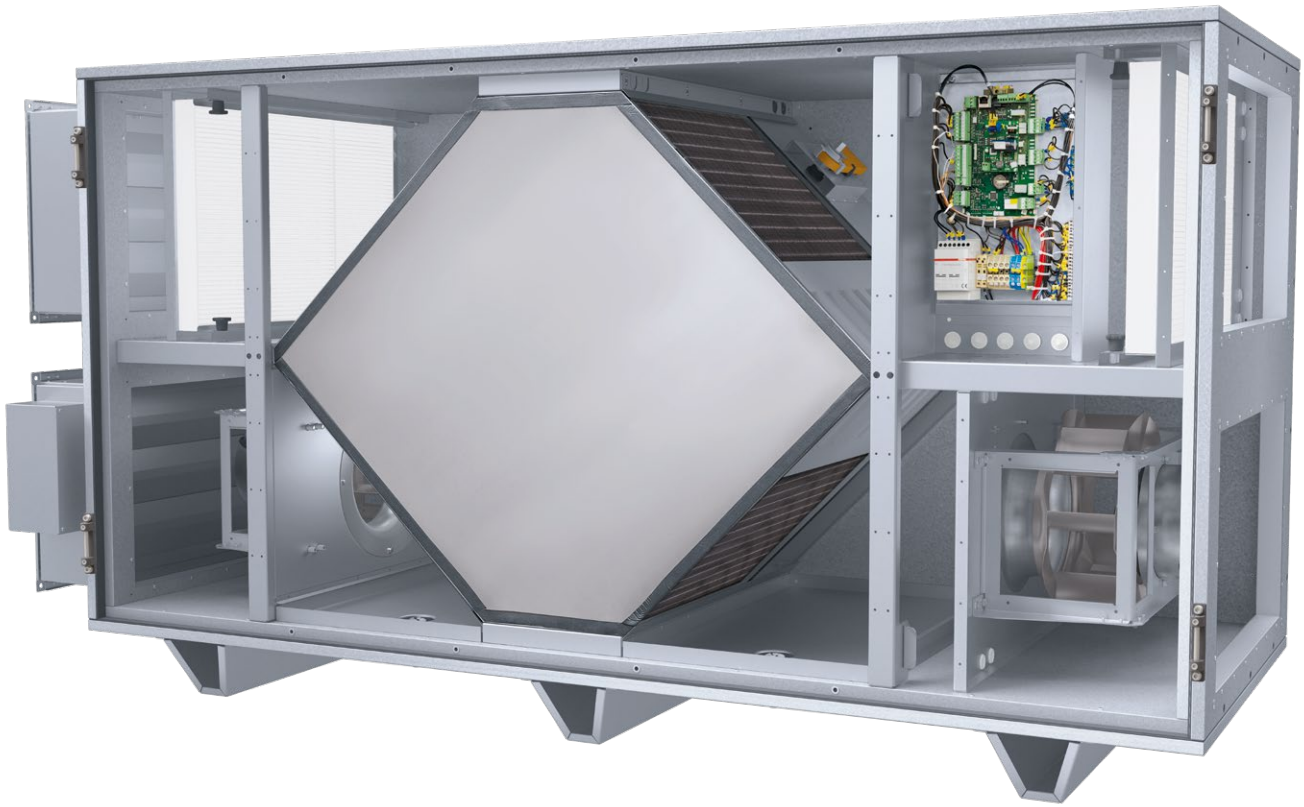
Automatic full-size bypass. ECO-Design'18 compliant. Polystyrene plate heat exchanger. Panel filters ePM1 55%. Hinged service doors.

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 for CFH 800-6000 and with frame 50 mm for CFH 9000
- 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

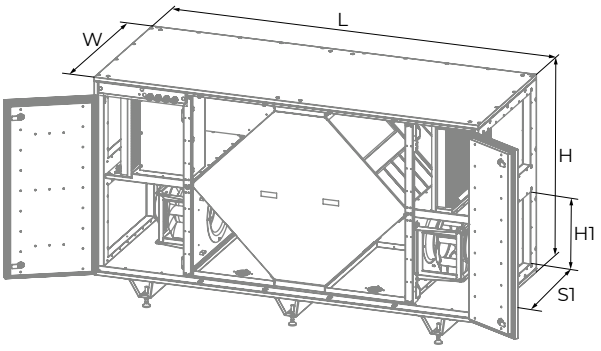
Rated air flow [m³/h]		800	1200	1500
EC fans	Phase/voltage [50/60 Hz/VAC]	1~200-240		
	Power/current [kW/A]	2×0.27/2.5	2×0.61/5.3	2×0.61/5.3
	Fan speed [min⁻¹]	2800	3000	3000
	Perm. amb. temp. [°C]	-35...+50		
	Motor protection	IP54		
	Insulation class	F		
Filter exhaust/supply		ePM1 55%/ePM1 55% (ISO 16890)-F7 (EN779)		
Weight (net, without packing) [kg]		230	230	295
Housing protection class		IP34		
Sound pressure lvl @ 3m to environment [dBA]		34	35	37
Transported air temperature [°C]		-25...+40		

Rated air flow [m³/h]		2500	3500	5000
EC fans	Phase/voltage [50/60 Hz/VAC]	1~200/277	3~380/480	3~380/480
	Power/current [kW/A]	2×0.835/6.9	2×1.15/3.6	2×1.33/4.25
	Fan speed [min⁻¹]	3000	2400	1350
	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]		295	420	628
Housing protection class		IP34		
Sound pressure lvl @ 3m to environment [dBA]		37	35	32
Transported air temperature [°C]		-25...+40		

Rated air flow [m³/h]		6000	9000
EC fans	Phase/voltage [50/60 Hz/VAC]	3~380/480	3~380/480
	Power/current [kW/A]	2×2.65/8.5	2×2.65/8.5
	Fan speed [min⁻¹]	1700	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]		628	1400
Housing protection class		IP34	
Sound pressure lvl @ 3m to environment [dBA]		32	32
Transported air temperature [°C]		-25...+40	

Overall dimensions [mm]

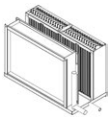
	L	W	H	H1	S1
CFH 800	1800	540	960	Ø 315	–
CFH 1200	1880	540	960	Ø 315	–
CFH 1500	1880	750	960	350	600
CFH 2500	1880	750	960	350	600
CFH 3500	2200	890	1290	400	700
CFH 5000	2300	1390	1420	500	1000
CFH 6000	2300	1390	1420	500	1000
CFH 9000	2990	2310	1710	600	1200



Connectors and adapters

	Size [mm]		
	Flexible connection	Damper	Adapter
CFH 800/CFH 1200	Ø 315	Ø 315	Ø 315/500×300
CFH 1500/CFH 2500	600×350	600×350	600×350/Ø 315
CFH 3500	700×400	700×400	700×400/Ø 400
CFH 5000/CFH 6000	1000×500	1000×500	–
CFH 9000	1200×600	1200×600	–

Additional coil sections for CFH 800-9000

				800	1200	1500	2500	3500	5000	6000	9000
Water heater		**HW-2**	**L [mm]**	360	360	360	360	360	360	360	360
Water cooler		**CW-3**	**L [mm]**	505	505	505	505	505	505	505	505
Electric heater		**HE**	**L [mm]**	306	306	220	220	220	360	360	505
DX cooler		**CDX-3**	**L [mm]**	505	505	505	505	505	505	505	505

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