

# BLAUAIR CFH

**FLOOR MOUNTED  
HEAT RECOVERY  
UNITS**



## CFH

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

## FEATURES

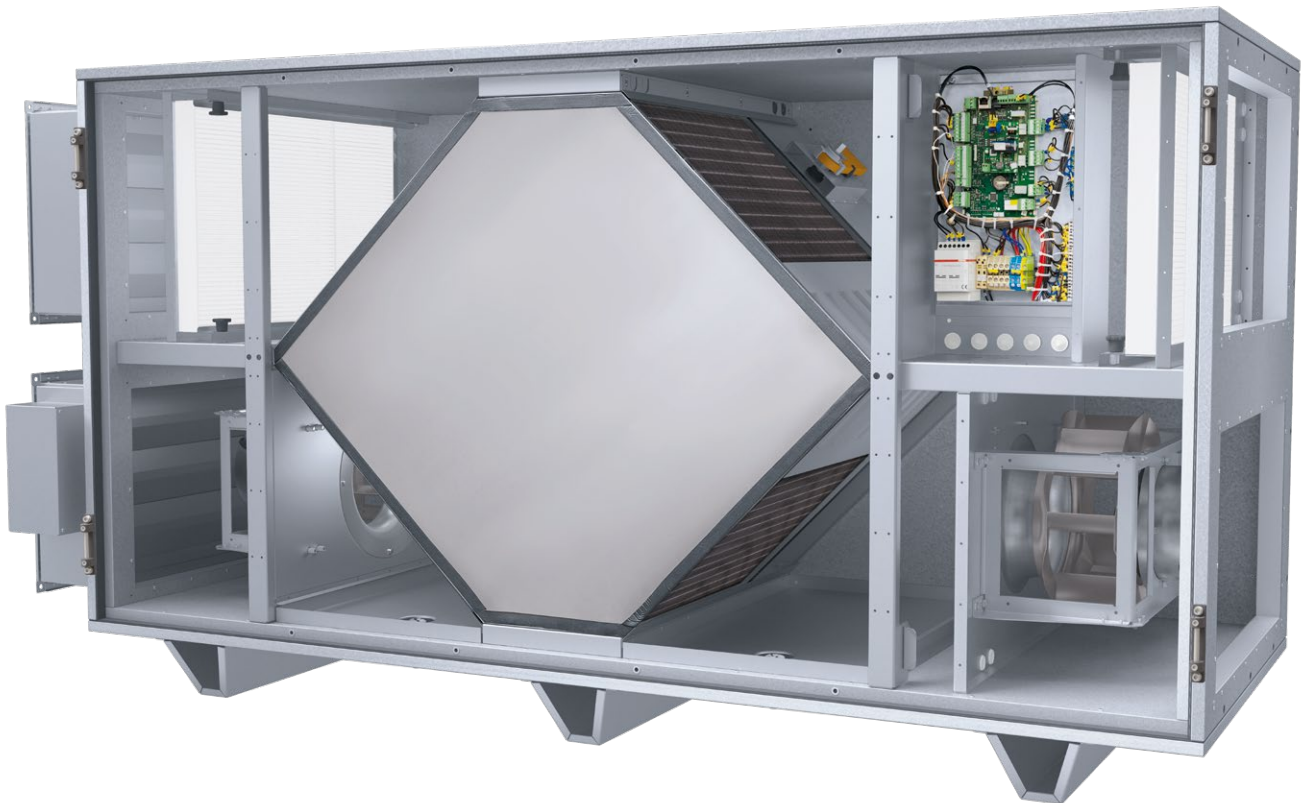
High-efficient EC fans, back ward-curved, external rotor. Integrated plug-and-play controls.

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<sub>2</sub>/temperature/constant pressure/timer schedule.



## Casing

- Double skin
- Frameless
- 40 mm mineral wool 90 kg/m<sup>3</sup> 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**<sup>®</sup>

## Filters

Panel F7 class filters on both supply and exhaust.

## Technical parameters

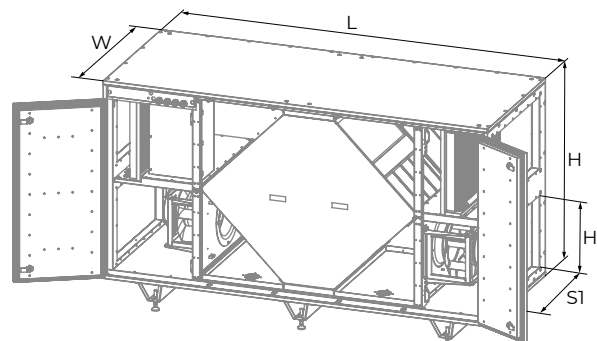
Rated air flow [m <sup>3</sup> /h]		800	1200	1500
EC fans	Phase/voltage [50/60 Hz/VAC]	1~200-240		
	Power/current [kW/A]	2×0.27/2.5	2×0.61/5.3	2×0.61/5.3
	Fan speed [min <sup>-1</sup> ]	2800	3000	3000
	Perm. amb. temp. [°C]	-35...+50		
	Motor protection	IP54		
	Insulation class	F		
Filter exhaust/supply		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 [m <sup>3</sup> /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 <sup>-1</sup> ]	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 [m <sup>3</sup> /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 <sup>-1</sup> ]	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
<b>CFH 800</b>	1800	540	960	Ø 315	–
<b>CFH 1200</b>	1880	540	960	Ø 315	–
<b>CFH 1500</b>	1880	750	960	350	600
<b>CFH 2500</b>	1880	750	960	350	600
<b>CFH 3500</b>	2200	890	1290	400	700
<b>CFH 5000</b>	2300	1390	1420	500	1000
<b>CFH 6000</b>	2300	1390	1420	500	1000
<b>CFH 9000</b>	2990	2310	1710	600	1200



## Connectors and adapters

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

## Additional coil sections for CFH 800-9000

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