

# BLAUAIR CFH

## FLOOR MOUNTED HEAT RECOVERY UNITS



## FEATURES

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

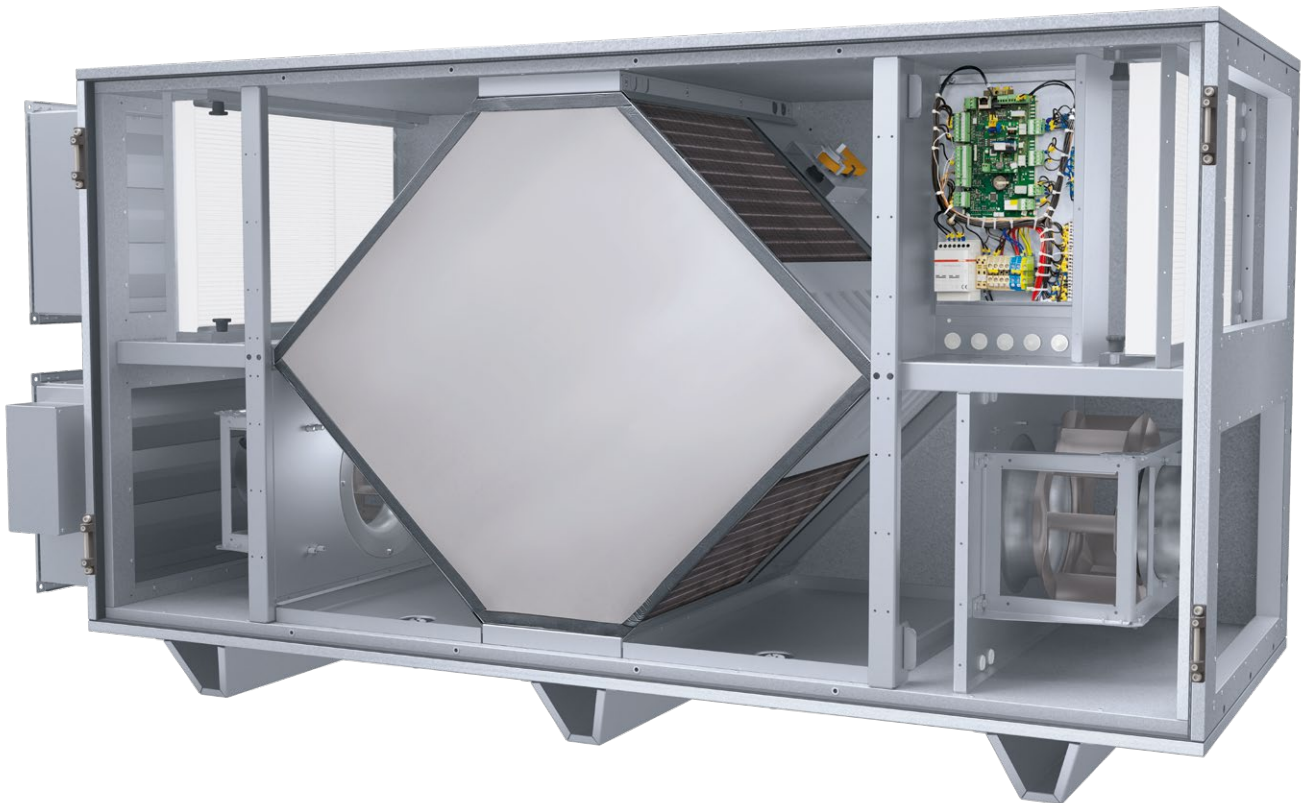
Automatic bypass. ECO-Design'18 compliant. Polystyrene plate heat exchanger. Panel filters ePM1 70% (ISO 16890)-F7 (EN779). Hinged service doors.

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, TB4

## Heat exchanger

High-efficient counterflow heat exchanger made of profiled plastic plates, packed with elastic heat-resistant sealant. Stainless steel drain pan on both supply and exhaust sides.

## Bypass and dampers

Automatic bypass damper with a **Belimo actuator** provides active frost protection, free-heating and free-cooling functions. Optionally integrated automatic external dampers with Belimo drives.

**BELIMO**<sup>®</sup>

## Filters

Panel filters ePM1 70% (ISO 16890)-F7 (EN779) on both supply and exhaust.



## Technical data

	CFH 800	CFH 1200	CFH 1500	CFH 2500
Phase/voltage [50–60 Hz/VAC]	1~200/240			
Power/current [kW/A]	2×0.168/1.4	2×0.53/4.8	2×0.53/4.8	2×0.7/6.2
Fan speed [min <sup>-1</sup> ]	2200	2470	2430	2100
Permanent ambient temperature [°C]	-35...+50			
Motor protection	IP54			
Insulation class (motor)	F			
Filter class exhaust/supply standard (optional)	ePM1 70%/ePM1 70% (ISO 16890)-F7 (EN779)			
Weight (net, without packing) [kg]	511	511	650	650
Housing protection class	IP34			
Sound pressure level at 3 m to environment [dBA]	29	26	26	33
Transported air temperature [°C]	-25...+40			

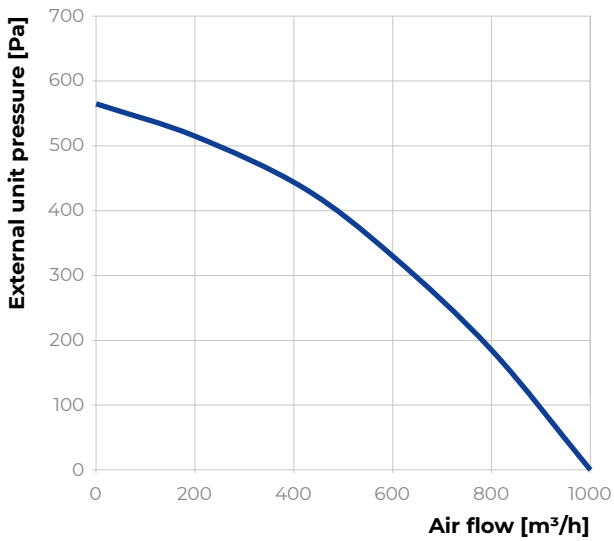
	CFH 3500	CFH 5000
Phase/voltage [50–60 Hz/VAC]	3~380/480	
Power/current [kW/A]	2×1.1/3.52	2×1.32/4.2
Fan speed [min <sup>-1</sup> ]	1800	1300
Permanent ambient temperature [°C]	-35...+50	
Motor protection	IP54	
Insulation class (motor)	F	
Filter class exhaust/supply standard (optional)	ePM1 70%/ePM1 70% (ISO 16890)-F7 (EN779)	
Weight (net, without packing) [kg]	926	1385
Housing protection class	IP34	
Sound pressure level at 3 m to environment [dBA]	35	26
Transported air temperature [°C]	-25...+40	

	CFH 6000	CFH 9000
Phase/voltage [50–60 Hz/VAC]	3~380/480	
Power/current [kW/A]	2×2.55/7.8	2×2.55/7.8
Fan speed [min <sup>-1</sup> ]	1500	1700
Permanent ambient temperature [°C]	-35...+50	
Motor protection	IP54	
Insulation class (motor)	F	
Filter class exhaust/supply standard (optional)	ePM1 70%/ePM1 70% (ISO 16890)-F7 (EN779)	
Weight (net, without packing) [kg]	1385	3086
Housing protection class	IP34	
Sound pressure level at 3 m to environment [dBA]	28	47
Transported air temperature [°C]	-25...+40	

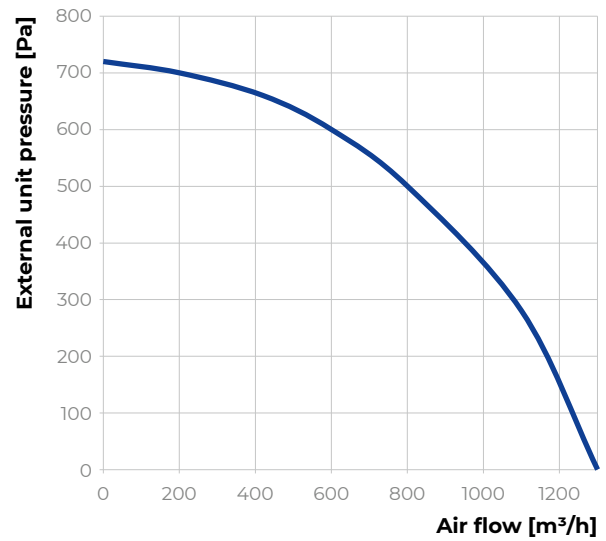


## CFH 800



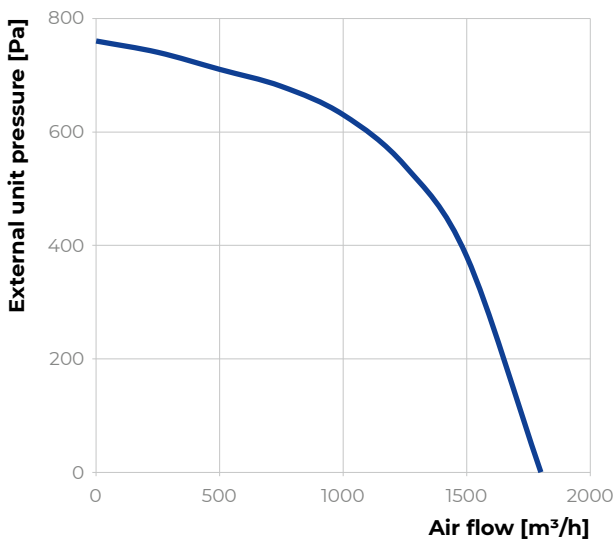
Additional pressure	CFH 800
Water heater [Pa]	55
Water cooler [Pa]	68
Electric heater [Pa]	30
DX cooler [Pa]	68

## CFH 1200



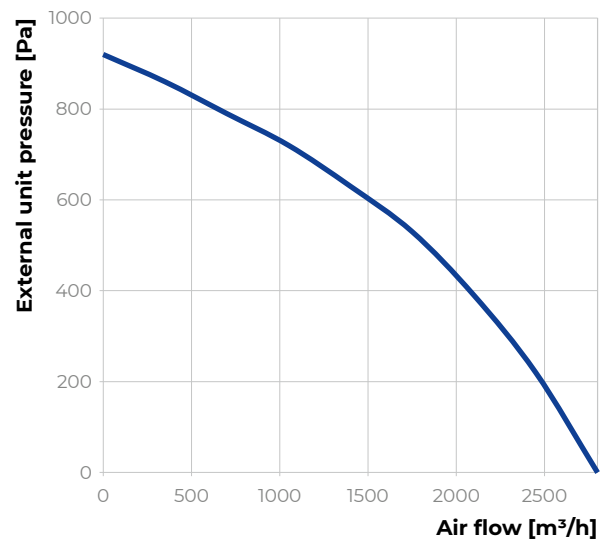
Additional pressure	CFH 1200
Water heater [Pa]	55
Water cooler [Pa]	139
Electric heater [Pa]	30
DX cooler [Pa]	139

## CFH 1500



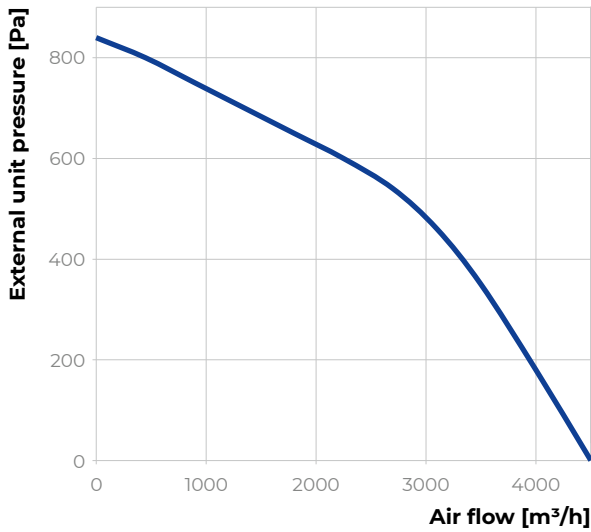
Additional pressure	CFH 1500
Water heater [Pa]	55
Water cooler [Pa]	82
Electric heater [Pa]	30
DX cooler [Pa]	82

## CFH 2500



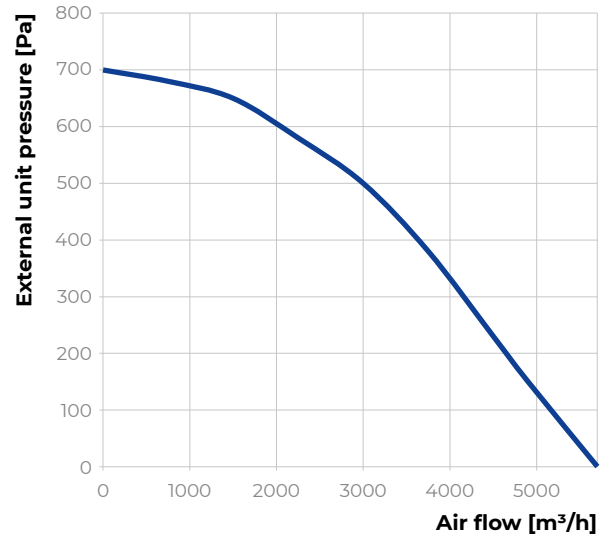
Additional pressure	CFH 2500
Water heater [Pa]	60
Water cooler [Pa]	190
Electric heater [Pa]	30
DX cooler [Pa]	190

### CFH 3500



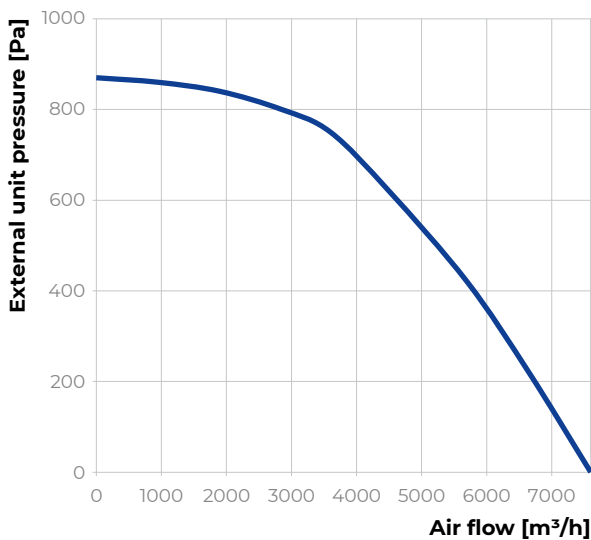
Additional pressure	CFH 3500
Water heater [Pa]	55
Water cooler [Pa]	223
Electric heater [Pa]	30
DX cooler [Pa]	223

### CFH 5000



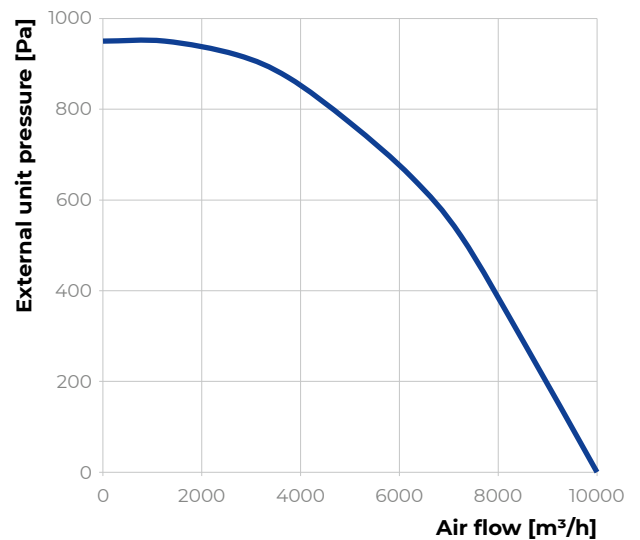
Additional pressure	CFH 5000
Water heater [Pa]	50
Water cooler [Pa]	128
Electric heater [Pa]	30
DX cooler [Pa]	128

### CFH 6000



Additional pressure	CFH 6000
Water heater [Pa]	60
Water cooler [Pa]	207
Electric heater [Pa]	30
DX cooler [Pa]	207

### CFH 9000



Additional pressure	CFH 9000
Water heater [Pa]	60
Water cooler [Pa]	176
Electric heater [Pa]	30
DX cooler [Pa]	176