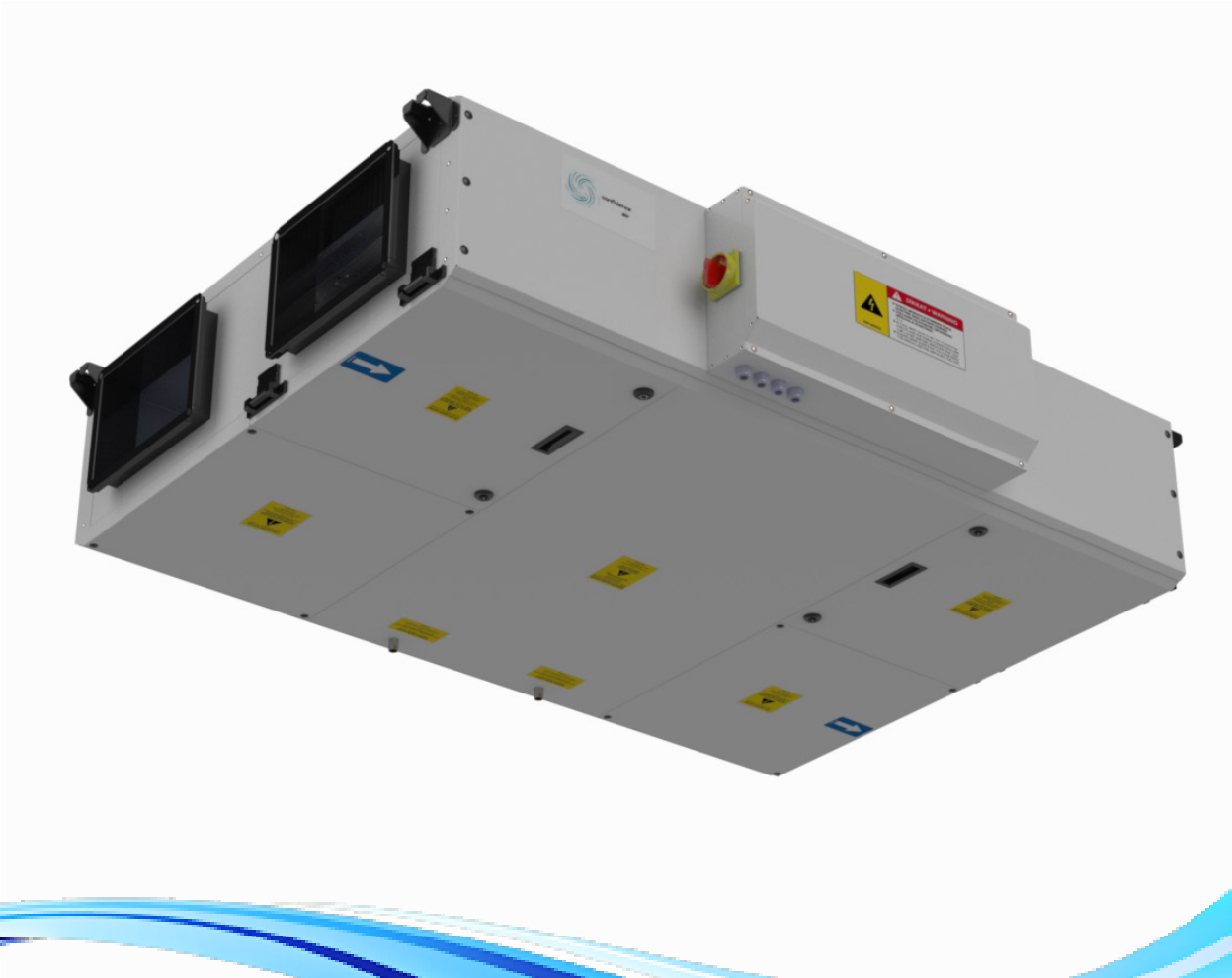


# CHR-CF

High Efficiency

Heat Recovery Units



confidence  
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[www.confidenceair.com](http://www.confidenceair.com)

# CHR-CF Unit

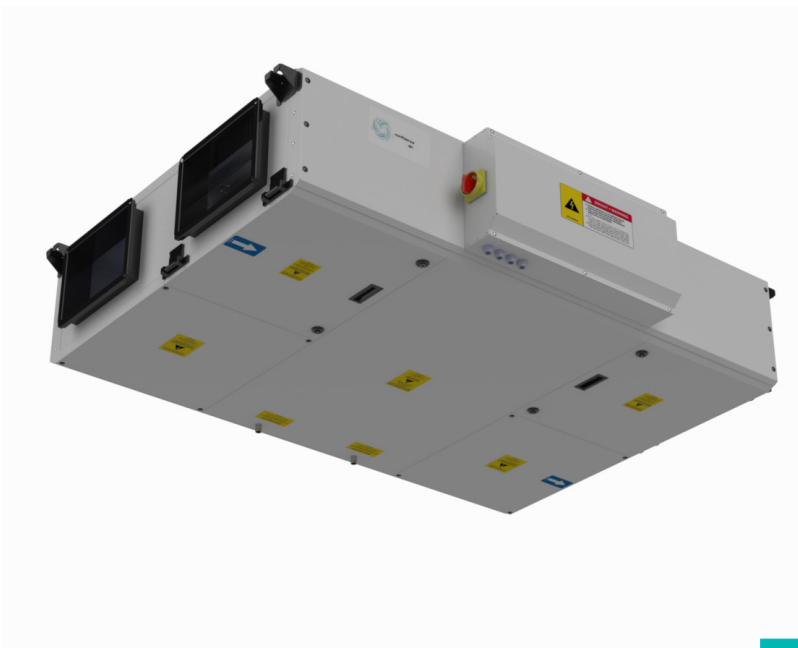
Heat recovery units in the Confidenceair CHR-CF series meet air exchange and energy saving requirements in a wide variety of applications.

The CHR-CFseries combines a high level of comfort in the space used with great energy savings.

CHR-CF Series Heat recovery units, 500 m<sup>3</sup>/h - 3000 m<sup>3</sup>/h

It has 5 different models with air flow.

Ceiling type heat recovery units are suitable for use in civil and commercial buildings, offices, shops, bars and restaurants.



- Wide range air volume from 500m<sup>3</sup>/h to 3000m<sup>3</sup>/h
- High efficiency brushless EC Fans
- High efficiency counterflow heat exchanger
- Auto summer bypass, auto winter defrost
- Optional CO<sub>2</sub> sensors
- Easy maintenance

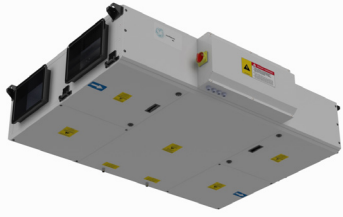
		CHR-CF				
		500	1000	1500	2300	3000
Electrical Connections		1~230 V 50 Hz				
Performance Datas						
Air Flow ( <sup>1</sup> )	m <sup>3</sup> /h	550	1050	1400	2300	3150
Sound Level ( <sup>2</sup> )	dB (A)	43	42	47	49	57
Electrical Requirements						
Max. Fan/motor Power ( <sup>3</sup> )	W	174	340	1000	1000	1460
Max. Current	(A)	1,4	2,8	4,4	4,4	6,4

<sup>1</sup> Airflow data when the ESP is 0 Pa.

<sup>2</sup> Sound levels are measured at 250Hz and at 1,5m distance.

<sup>3</sup> Power consumption

# Unit Specifications



## Casing

- The body of the device consists of double walled panels. The inner panel is made of 0.8 mm galvanized steel and the outer panel is made of 0.8 mm painted steel. The side panels are 50 mm thick and 50 mm thick rock wool insulation ( $70 \text{ kg/m}^3$ ) is sandwiched between the inner and outer steel layers. The panel thickness of the upper and lower panels of the device and the service doors is 30 mm. It is filled with 30 mm thick rock wool insulation ( $70 \text{ kg/}$



## Exchanger

- In CHR-CF units, Eurovent certified counter-flow aluminum high efficiency heat exchanger in accordance with EN 308 standard is used.



## Fans

### Control Boards

- Fans with EC motor are used in CHR-CF units EC motors have higher efficiencies than AC motors, and have easy speed control.
- Fan blades are backward curved type which have high aero-dynamic efficiency .
- EC motors have low SFP figures which let CHR-CF units consume less energy and have higher efficiencies .



## Filters

- There is a Supply filter G4+F9 or M6+F8
- Return filter M5 or M6 class filter on the exhaust side as standard.
- Maintenance covers offer easy access to the filters. Blockage and dirtiness of the filters are followed by electrical board.