

EVHRC 08 Highly efficient decentralized heat recovery unit for flow rates up to 80 m³/h



Description

Decentralised double-flow ventilation unit with high efficiency heat recovery. The unit is particularly suitable for residential units with the possibility of installing as many units as necessary to cover the air exchange requirements of the home. Each unit covers approximately 50-60m² of surface area. Constant flow rate selectable in 3 levels.

Characteristics

Self-supporting sheet metal frame with polyethylene insulated internal structure. RAL9003 painted external shells.

High efficiency counter-current cross-flow polypropylene heat exchanger. Low freezing temperatures. Very high heat exchange efficiency. Available in sensible or enthalpy operation.

Forward-curved Brushless centrifugal fans with electronic motor and modulating control; very high efficiency and low noise levels.

ePM1 80% filters with low pressure drop for both supply and exhaust, easily removable.

Free cooling made with automatic management by means of temperature probes.

INTEGRATED IN2 version control electronics

Electronic board for 3-step speed management, antifreeze function and automatic bypass.

Wall-mounted remote touch panel on 503 box.

Temperature sensors on board the machine.

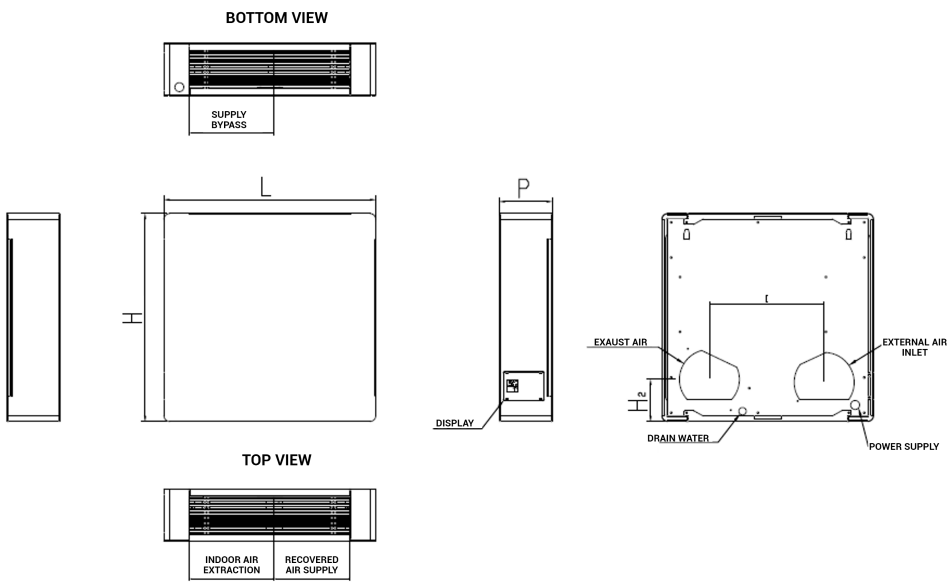
Humidity / air quality regulators built into the remote display.

EVCNW2-B: advanced remote control with built-in humidity and VOC/CO₂ sensors and built-in Wi-Fi, white.

Technical Specifications

Size EVHRC		08
Fan Type		Forward-Curved Centrifugal Fans - Direct-Coupled Brushless Electronic Motor - 0-10 V Signal
Nr. Funs	Nr.	2
Airflow	m³/h	80
Available Pressure	Pa	15
Heat Exchanger (Data according to UNI EN 13141-7: Indoor Temp. 20°C - Indoor Humidity 28% - Outdoor Temp. 7°C - Outdoor Humidity 72%)		
Recovery Efficiency		Counterflow Plates - Polypropylene Material
Number of Heat Exchangers	Nr.	1
Sensible Recovery Efficiency EN 13141-7	%	90.2% (High-Efficiency Counterflow)
Sensible Recovery Efficiency EN 13141-7 / Latent	%	80.5% / 61% (Counterflow with Enthalpic Membrane)
Filters		
Tipo di Filters		Filters Pleated
Filtration Class		ePM1 80%
Acoustic data (Data according to UNI EN 3741 and UNI EN 3744)		
Sound Power Lw Transmitted Through the Structure	dB(A)	48
Sound Pressure at 1 m	dB(A)	36,6
Sound Pressure at 3 m	dB(A)	29,5
Electrical data		
Power Supply	V / ph / Hz	230 / 1 / 50
Power Input	W	35
Protection Rating	IP	X2

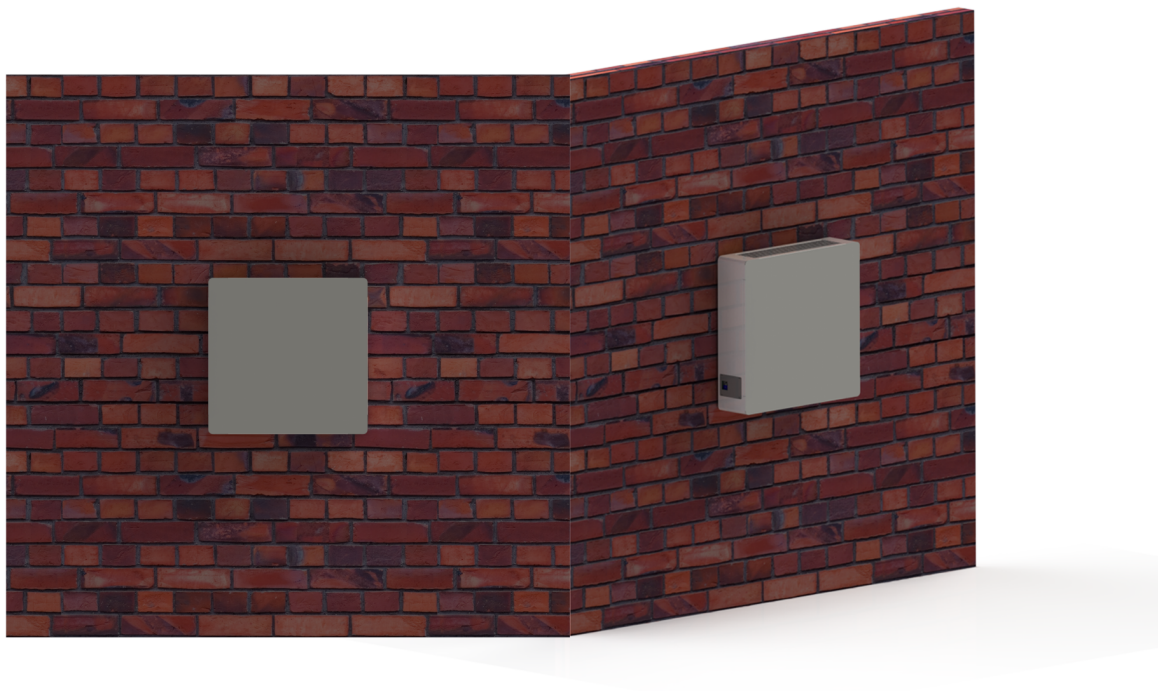
Dimensions



Dimensions		EVHRC 08	
Width L	mm	565	
Depht	mm	148	
Height H	mm	555	
External Hole Diameter	mm	2 x 160	
Hole Center Distance I	mm	306	
Distance H2	mm	112	
Condensate Drain	mm	15	
Weight	Kg	Sensible	Enthalpic
		20	21

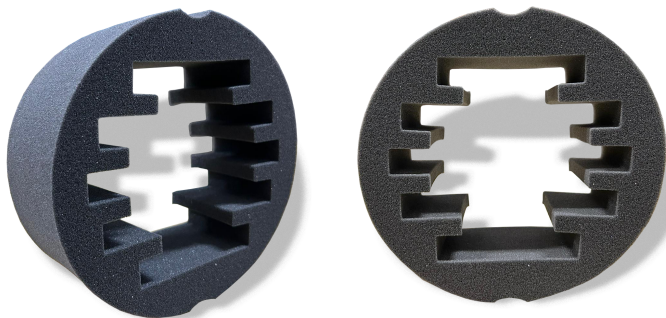
Installation

The unit must be installed close to the wall with the ducts facing outwards.



Silencer kit (Accessory)

Silencers to be inserted into the inlet and outlet ducts for noise attenuation.



IN2 Version Price List

Models	EVHRC 08	Ø 160 mm Silencer Kit	Filter Pair Kit
	Eur	Eur	Eur
EVHRC 08 ENTALPICO	-	-	-

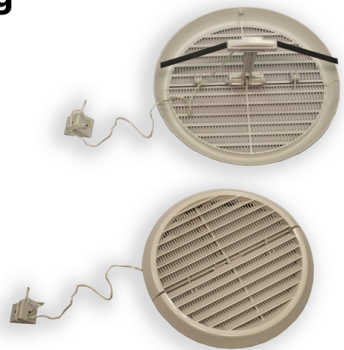


Scope of Supply



**EVHRC 08
Wall-mounted**

**EVHRC 08 fans to be installed behind
the machine in the wall crossing**



External wall grilles