

EVHRP-PS High efficiency heat recovery unit for flow rates from 150 up to 500 m³/h



Description

Ventilation unit with very high efficiency heat recovery, compact size for ceiling, wall or floor installation. The unit is particularly suitable for individual family units, flats and in all cases where the nominal air exchange rates are less than 500 m³/h. Tested and classified according to the European Ecodesign regulation ref. 1253/2014 and 1254/2014.

Characteristics

Galvanised sheet metal self-supporting frame painted RAL9003 on the outside, shaped EPS internal structure with density 40kg/m³, compact size and reduced height for easy installation with lower panel easily accessible for maintenance and inspections.

Very high efficiency polypropylene static heat exchanger with counter-current flows.

Backward-curved radial centrifugal fans with EC motors with electronic speed control and low energy consumption.

Filters class ePM1 70-80% with low pressure drop.

Motorised bypass with motor inserted in the electrical panel for easy maintenance.



Control electronics

IN2 Version: with electronic control board for 3-speed fan management, anti-freeze operation, and automatic bypass.

Wall-mounted touch remote panel on 503-type box.

On-board temperature sensors with the possibility to manage an auxiliary hot water coil.

Humidity / air quality sensors integrated in the remote display.

EVCNV2-N: advanced remote control with integrated humidity and VOC/CO₂ sensors, black color.

EVCNV2-B: advanced remote control with integrated humidity and VOC/CO₂ sensors, white color.

EVCNW2-N: advanced remote control with integrated humidity and VOC/CO₂ sensors, with built-in Wi-Fi, black color.

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

Configurations

Configurations A or B selectable by electronics.

Use

Houses, surgeries and shops for air exchange with up to 90% reduction in energy waste.

On request

Version with enthalpy exchange pack.

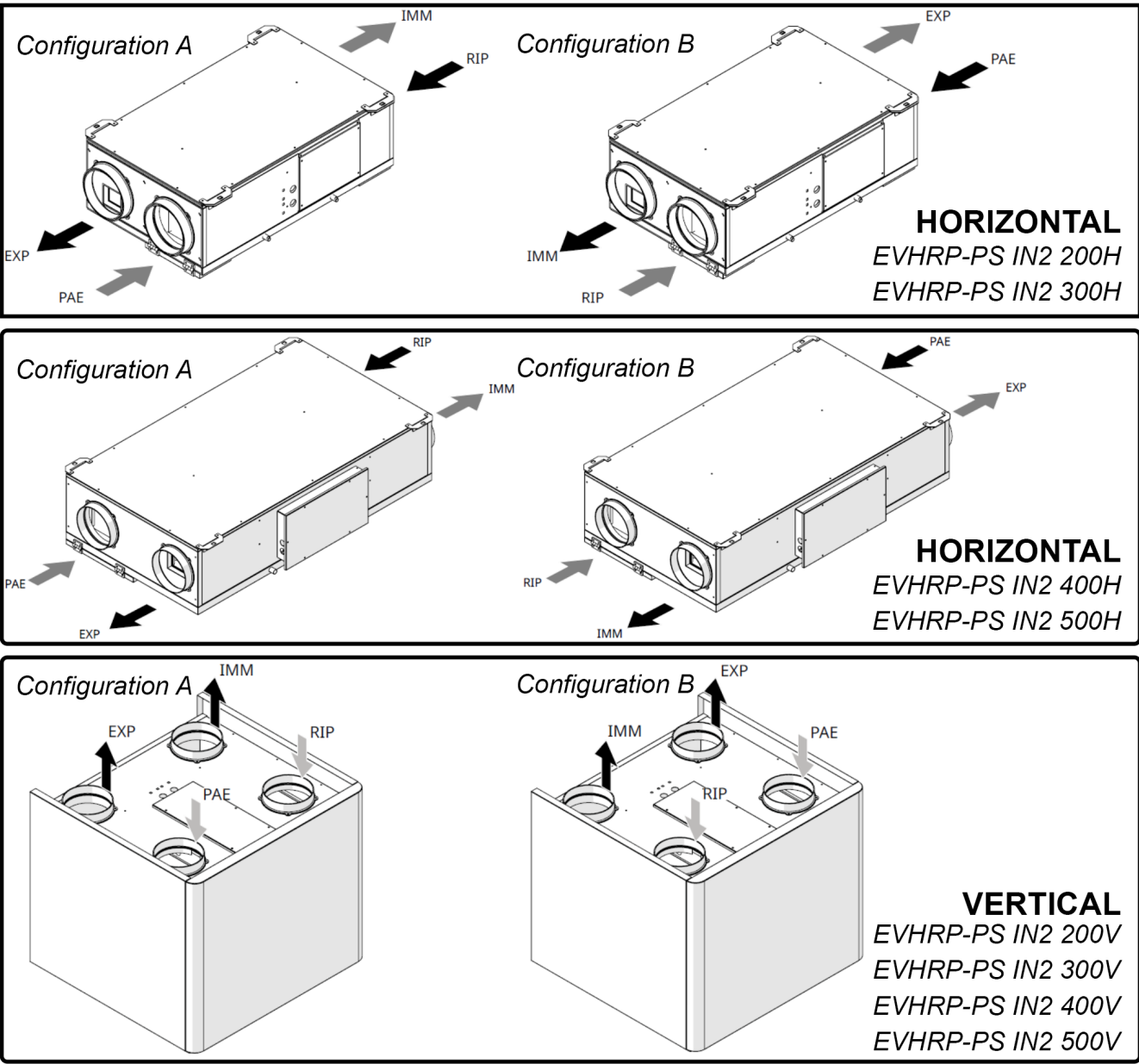
Technical Specifications

Size EVHRP-PS		200 H	200 V	300 H	300 V	400 H	400 V	500 H	500 V
Fan Type		Backward-Curved Centrifugal Fans – Directly Coupled Electronic Motor – 0-10 V Signal							
Nr. Funs	Nr.	2							
Airflow	m³/h	155	160	300	300	340	380	455	450
Available Pressure	Pa	100	100	100	100	100	100	100	100
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		Ounterflow Plates – Polypropylene Material							
Number of Heat Exchangers	Nr.	1							
Heat Recovery Efficiency	%	86,0	86,0	85,0	86,0	89,0	87,0	88,0	86,0
Filters									
Tipo di Filters		Filters Planes							
Filtration Class		ePM1 70-80%							
Acoustic data (Data according to UNI EN 3741 and UNI EN 3744)									
Sound Pressure at 3 m	dB(A)	35,0	34,0	37,0	36,0	39,0	38,0	43,0	40,0
Electrical data									
Power Supply	V / ph / Hz	230 / 1 / 50							
Current Consumption	A	0,7	0,7	1,6	1,6	1,6	1,6	2,5	2,5
Power Input	W	110	110	180	180	350	350	420	420
Protection Rating	IP	X2							
Dimensions									
Width	mm	487	630	590	787	709	787	709	787
Lenght (m)	mm	793	-	789	-	1147	-	1147	-
Depht	mm	-	475	-	619	-	749	-	749
Height	mm	258	570	304	670	289	670	289	670
Weight	kg	26,0	32,0	31,0	38,0	39,0	42,0	40,0	43,0

Connection Diameter	mm	160	160	160	160	160	160	160	160
Condensate Drain	mm	12	20	12	20	12	20	12	20
Model classification according to European Regulation 1253/2014 and 1254/2014									
With EVCNV2 - EVCNW2 Remote Control (RH / VOC - CO ₂)	-	A	A	A	A	A	A	A	A

Configurations

Units are shown top view.
Standard configuration A.



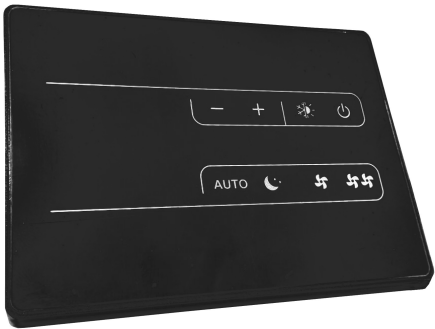
Heat Recovery Units Price List

Standard versions A

Models	Version
	IN2 Adjustable + Bypass
	Eur
200 H	-
200 V	-
300 H	-
300 V	-
400 H	-
400 V	-
500 H	-
500 V	-

Accessory Price List - IN2 Version

Models	EVCNV2-N - Black	EVCNV2-B - White	EVCNW2-N - Wi-Fi - Black	EVCNW2-B - Wi-Fi - White	Floor-Mount Feet (for Vertical Configuration Only)
	Eur	Eur	Eur	Eur	Eur
200	-	-	-	-	-
300	-	-	-	-	-
400	-	-	-	-	-
500	-	-	-	-	-



Spare Filters List

Models	Filter Pair Kit – Horizontal Version		Filter Pair Kit – Vertical Version	
	Dimensions	Eur	Dimensions	Eur
EVHRP-PS 200	175x225x23	-	175x225x23	-
EVHRP-PS 300	175x270x23	-	175x335x23	-
EVHRP-PS 400	255x263x23	-	175x465x25	-
EVHRP-PS 500	255x263x23	-	175x465x25	-