

EVHRP-LARGE

Heat recovery unit, with an efficiency more as 90% and flow rates from 630 to 780 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 780 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.

Use

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

Control electronics

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

Wall-mounted remote touch panel on 503 box.

On-board temperature sensors and possibility of managing auxiliary hot water coil.

Humidity / air quality regulators built into the remote display.

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

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

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

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

On request

Version with enthalpy exchange pack (only for size 600).

Version for recessed installation (only for size 700).

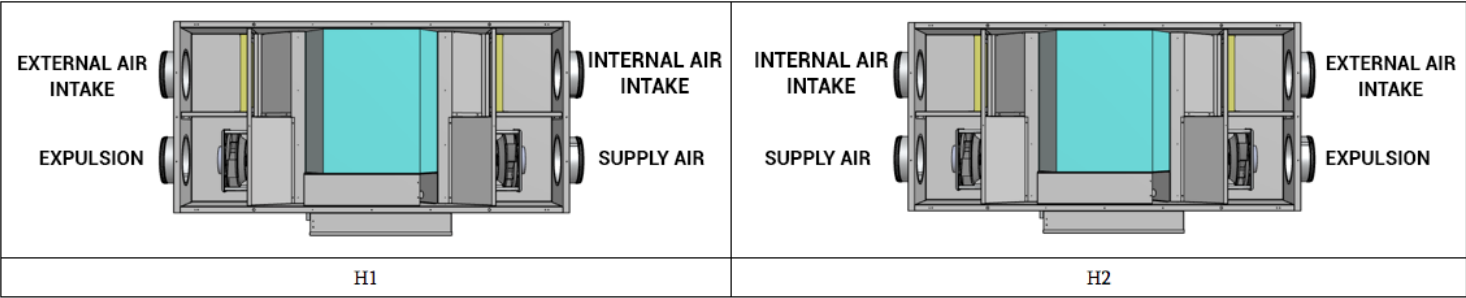
Technical Specifications

Size EVHRP-LARGE		600 H	700 V	
Fan Type		Forward-Curved Centrifugal Fan – Directly Coupled Brushless Electronic Motor		
Nr. Funs	Nr.	2		
Airflow	m³/h	630	780	
Available Pressure	Pa	100	100	
Heat Exchanger (Data Referenced to Standard 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	%	86,1	85,9	
Filters				
Tipo di Filters		Filters Planes		
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)	65	64	
Sound Power Lw Radiated into the Duct	dB(A)	72	70	
Average Sound Pressure Level Lp at 1 m	dB(A)	50,5	49,3	
Average Sound Pressure Level Lp at 3 m	dB(A)	43,1	42,5	
Electrical data				
Power Supply	V / ph / Hz	230 / 1 / 50		
Current Consumption	A	2,2	2,8	
Power Input	W	390	440	
Protection Rating	IP	X0	X0	
Dimensions				
Width	mm	1478	Exposed Version	Recessed Version
			642	595
Depht	mm	955	603	595
Height	mm	283	1483	1400
Connection Diameter	mm	200	200	

Condensate Drain	mm	20	20
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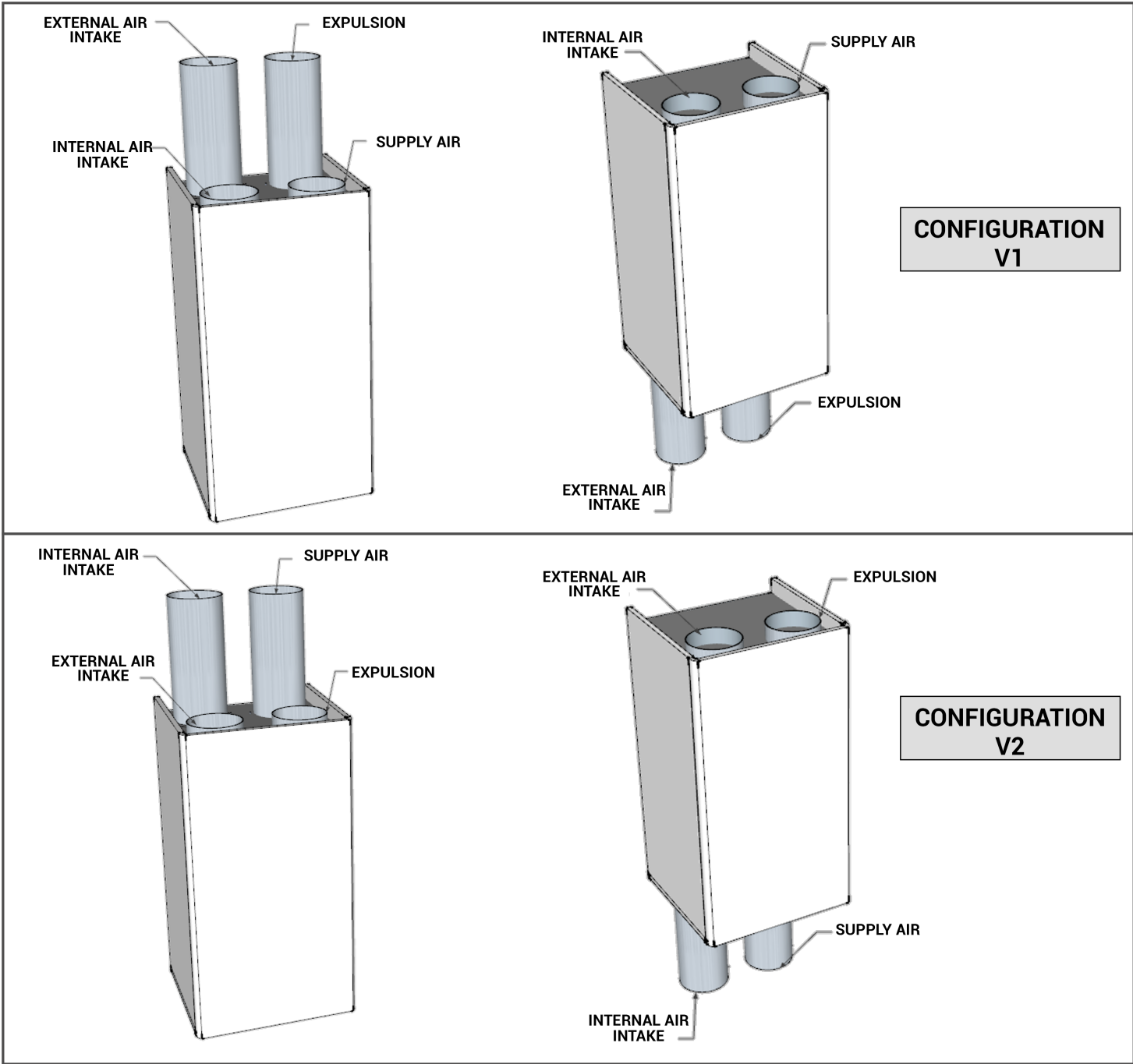
Horizontal Version Configurations (size 600H)

The units are shown from above.
Standard H1 configuration.

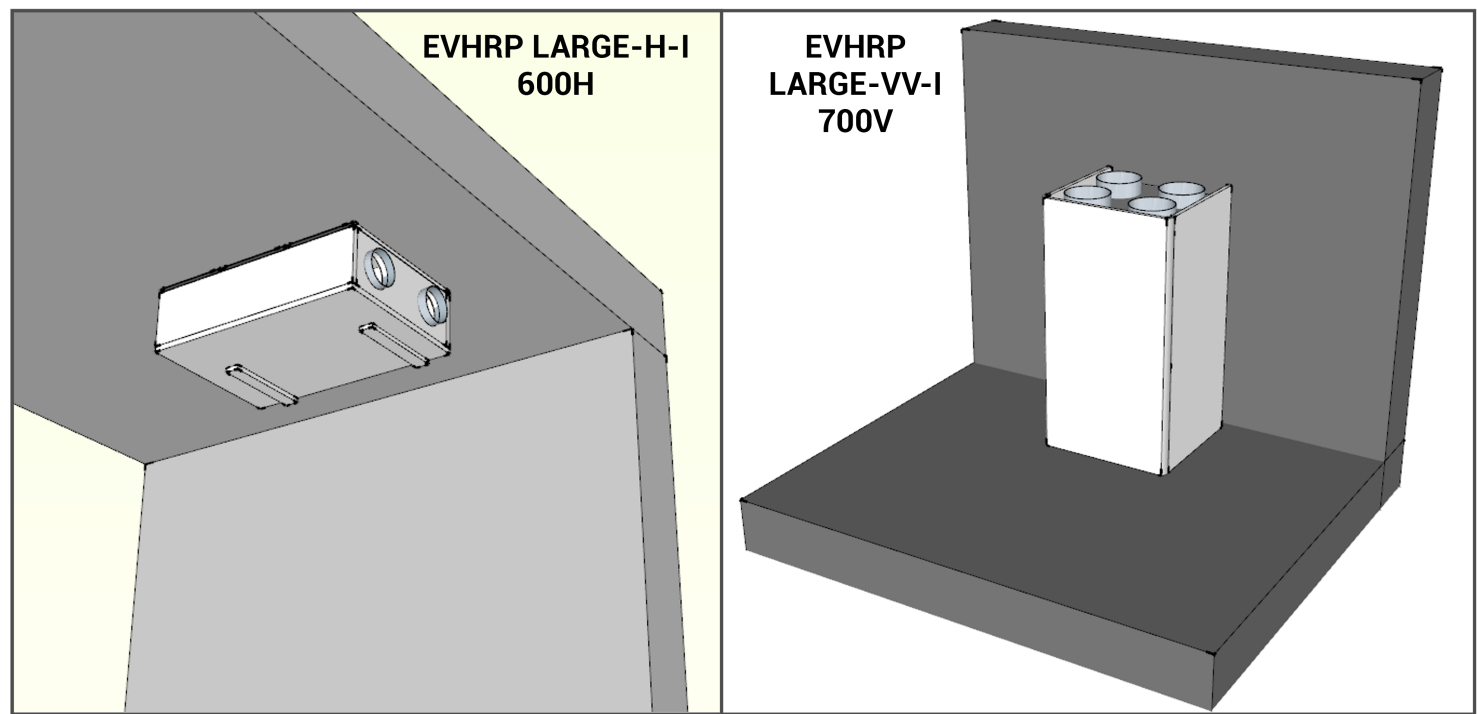


Vertical Version Configurations (size 700V)

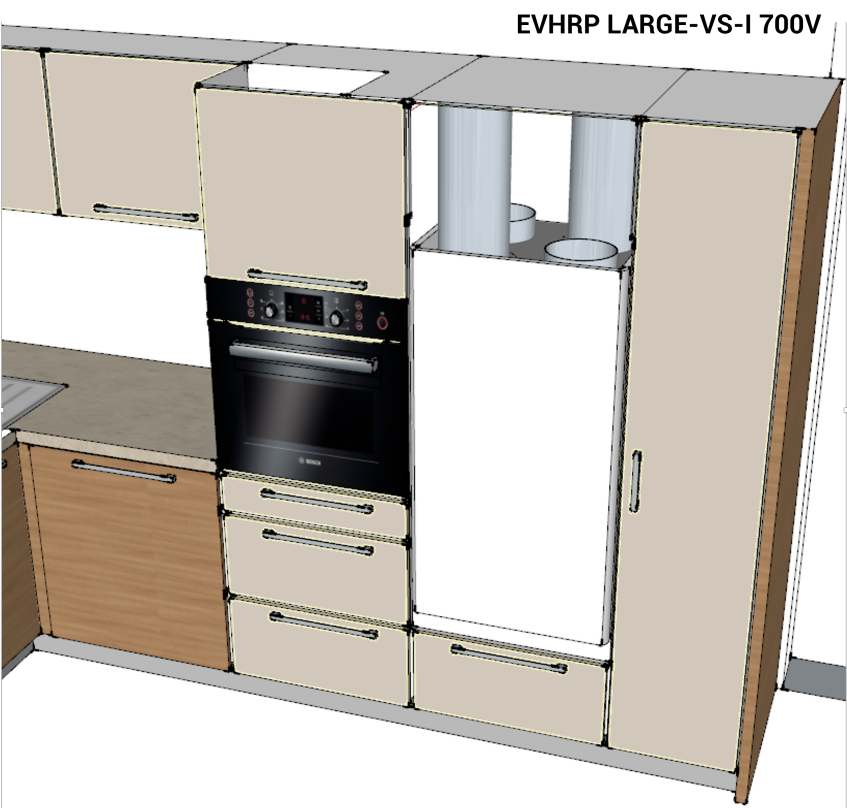
The units are shown from above.
Standard V1 configuration.



Installation of Visible EVHRP LARGE



Installation of Recessed EVHRP LARGE



Price List of Recuperator

Standard H1 and V1 configurations

Models	Eur
EVHRP LARGE-H-IN2 600H	-
EVHRP LARGE-VV-IN2 700V (Exposed Version)	-
EVHRP LARGE-VV-IN2 700V (Recessed Version)	-

Accessory Price List

Models	EVCNV2-B - White	EVCNV2-N - Black	EVCNV2-N - Black	EVCNW2-B - Wi-Fi - White	Filter Pair Kit
	Eur	Eur	Eur	Eur	Eur
EVHRP LARGE-H-I 600H	-	-	-	-	-
EVHRP LARGE-VV-I 700V	-	-	-	-	-
EVHRP LARGE-VS-I 700V	-	-	-	-	-

