

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.

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

Use

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

On request

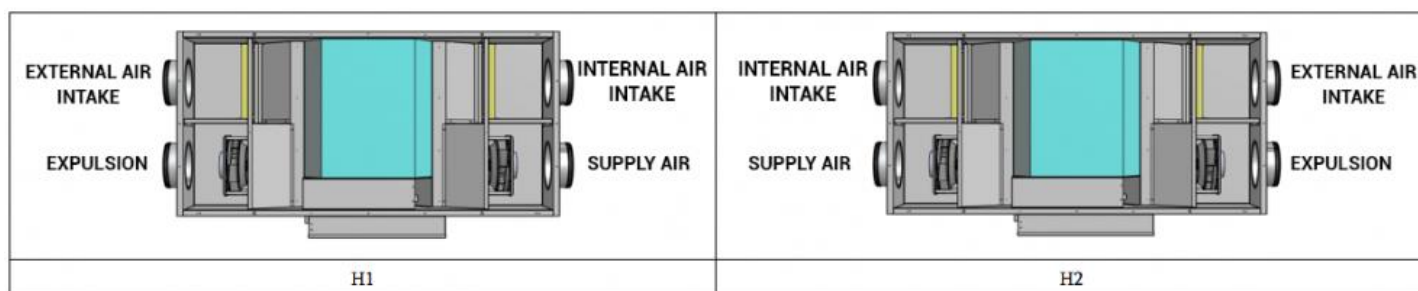
Version with enthalpy exchange pack (only for size 600).
Version for recessed installation (only for size 700).

Technical specifications

EVHRP-LARGE size		600 H		700 V	
Type of Fans		Forward-curved centrifugal - Brushless direct-coupled electronic motor			
Number of Fans	No.	2			
Air flow rate	m³/h	630		780	
Useful pressure	Pa	100		100	
Heat exchanger (Data referring to the UNI EN 13141-7 Standard		Indoor temp. 20° - Indoor humidity 28% - Outside temp. 7° - Outside humidity 72%)			
Type of heat exchanger		Counter-current plates - polypropylene			
Number of Heat exchangers	No.	1			
Heat recovery efficiency	%	86,1		85,9	
		Filters			
Type of filters		Flat filters			
Filtration class		ePM1 80%			
Acoustic data (Data referring to the UNI EN 3741 and UNI EN 3744 Standards)					
Sound power Lw transmitted by the structure	dB(A)	65		64	
Sound power Lw radiated into the duct	dB(A)	72		70	
Average sound pressure Lp at 1 m	dB(A)	50,5		49,3	
Average sound pressure 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 consumption	W	390		440	
Protection rating	IP	X0		X0	
Dimensions					
Width	mm	1478		VISIBLE version	RECESSED version
				642	595
Depth	mm	955		603	595
Height	mm	283		1483	1400
Connection diameter	mm	200		200	
Condensate drain	mm	20		20	

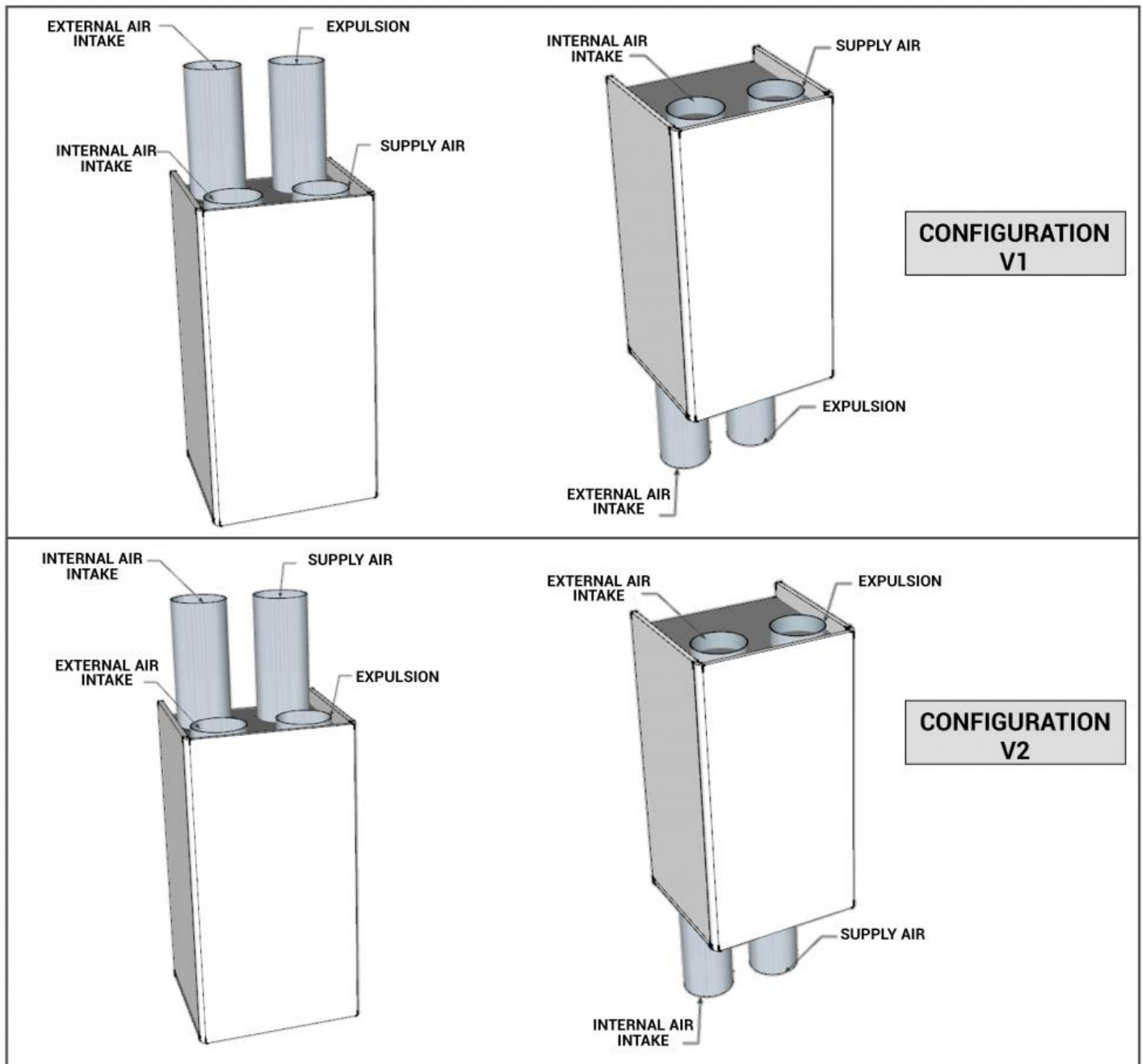
Horizontal version configurations (size 600H)

The units are shown from above.
Standard H1 configuration.

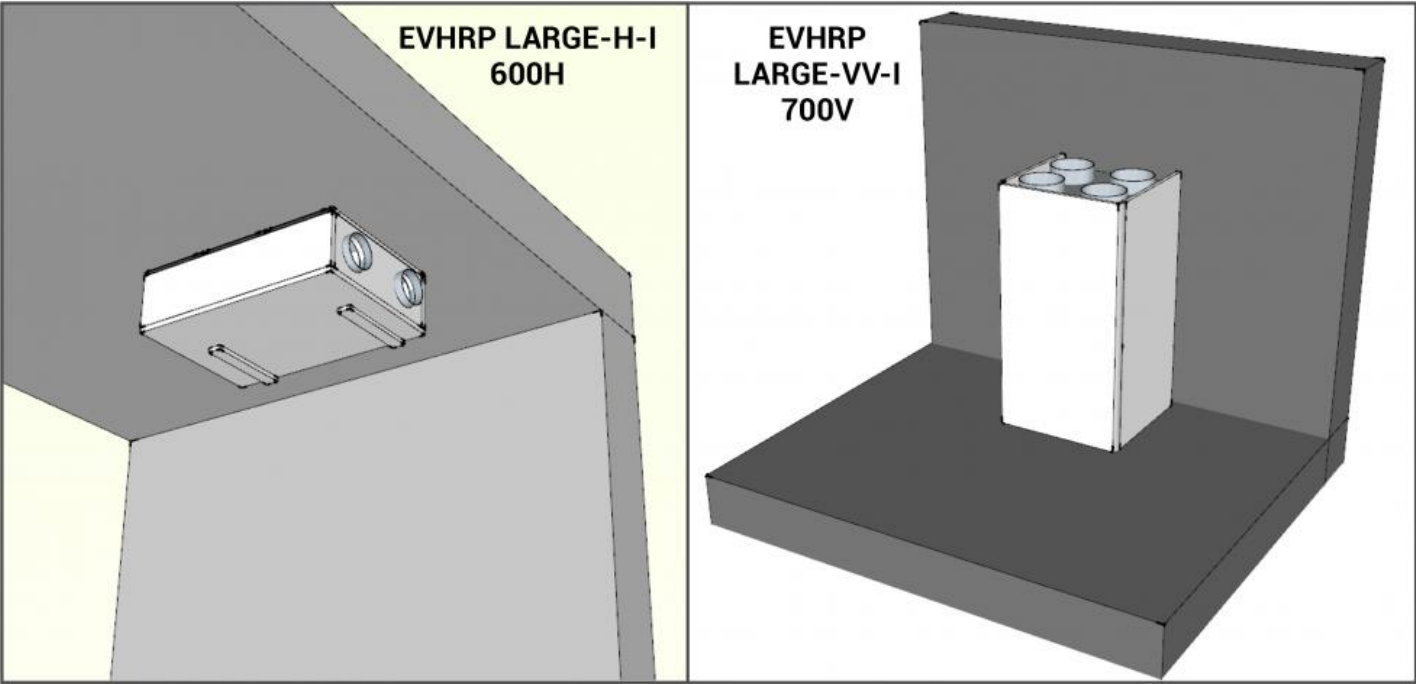


Vertical version configurations (size 700V)

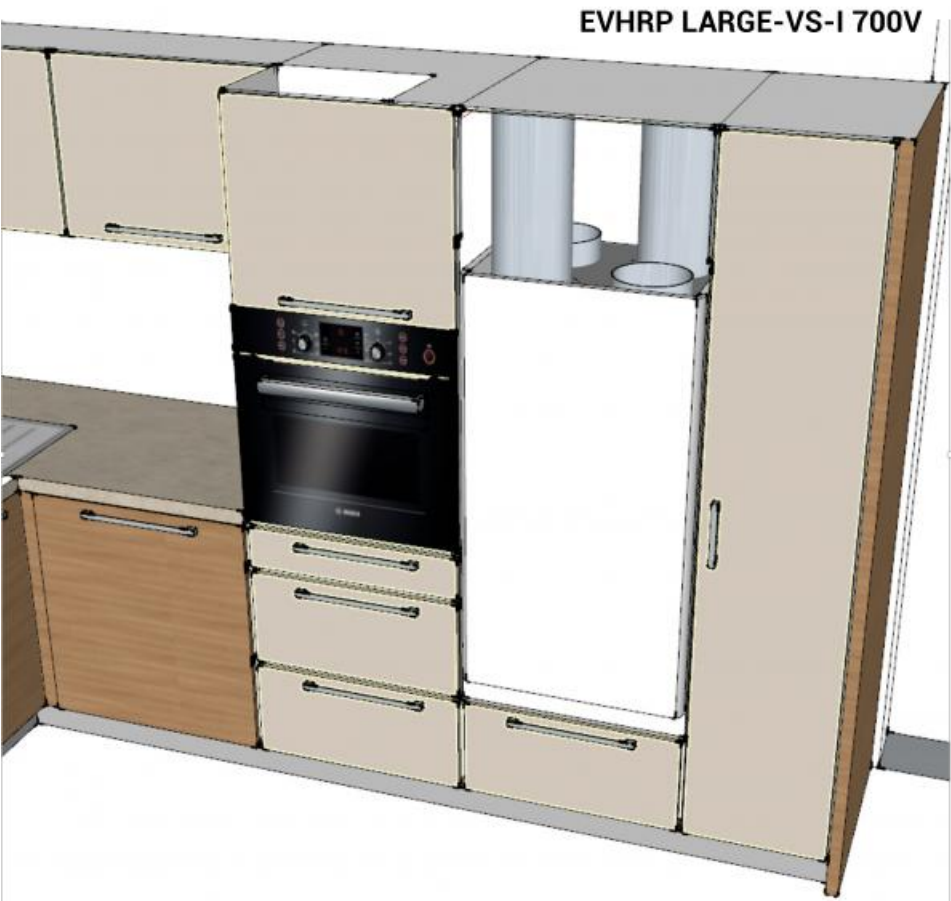
The units are shown from above.
Standard V1 configuration.



Installation of visible EVHRP LARGE



Installation of recessed EVHRP LARGE



Price list of recuperator

Standard H1 and V1 configurations

model	euro
EVHRP LARGE-H-IN2 600H	✓
EVHRP LARGE-VV-IN2 700V (VISIBLE version)	✓
EVHRP LARGE-VS-IN2 700V (RECESSED version)	✓

Accessory price list

Item normally available from stock					
model	remote electronic control EVCNV2-B white	remote electronic control EVCNV2-N black	remote electronic control EVCNW2-B with Wi-Fi connection white	remote electronic control EVCNW2-N with Wi-Fi connection black	pair of filters kit
	euro	euro	euro	euro	euro
EVHRP LARGE-H-I 600H	▼	▼	▼	▼	▼
EVHRP LARGE-VV-I 700V	▼	▼	▼	▼	▼
EVHRP LARGE-VS-I 700V	▼	▼	▼	▼	▼

