

EVHRP SMALL

High efficiency heat recovery unit for flow rates up to 320 m³/h



Description

Ventilation unit complete with heat recovery unit dedicated to air exchange without energy waste. The unit is particularly suitable for individual family units, flats and in all cases where the nominal air exchange rates do not exceed 320 m³/h. Constant flow rate selectable in 3 levels.

Characteristics

Sheet metal self-supporting frame. Galvanised sheet metal panels, painted on the outside, with high density EPS internal insulation; Alucobond Composite front panel.

High efficiency counter-current cross-flow polypropylene heat exchanger. Low freezing temperatures. Very high heat exchange efficiency.

Brushless fans with electronic motor and constant flow control; very high efficiency and low noise levels.

ePM1 70/80% filters with low pressure drop for both supply and exhaust, easily removable.

Use

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

Control electronics for version S

The unit is supplied without electronic board and the fan speed is changed by means of a 0-10V input signal. It is possible to purchase the EVTDV remote terminal with LCD display separately, to control the speed of the fans and the bypass with various advanced functions, including:

- control of the speed of the individual fans independently, which means that the machine can be used in positive pressure or negative pressure mode;
- timed dirty filter warning;
- possibility of connecting the EVSQV air quality sensor, sold separately.

Control electronics for version IN2

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.

Electronic configuration IN2

A or B configurations selectable by electronics.

Notes

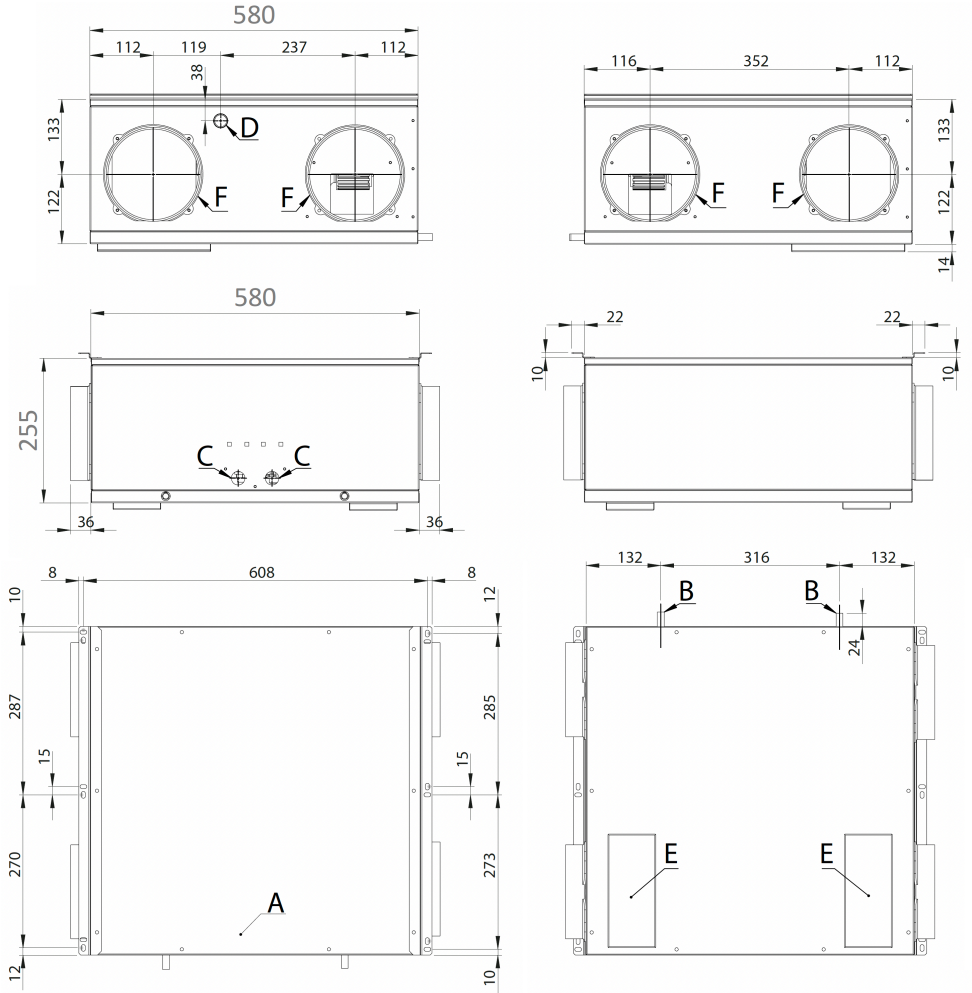
For vertical installation with configuration "A" a unit with an enthalpy heat exchanger must be requested. Quotation available upon request.

Technical Specifications

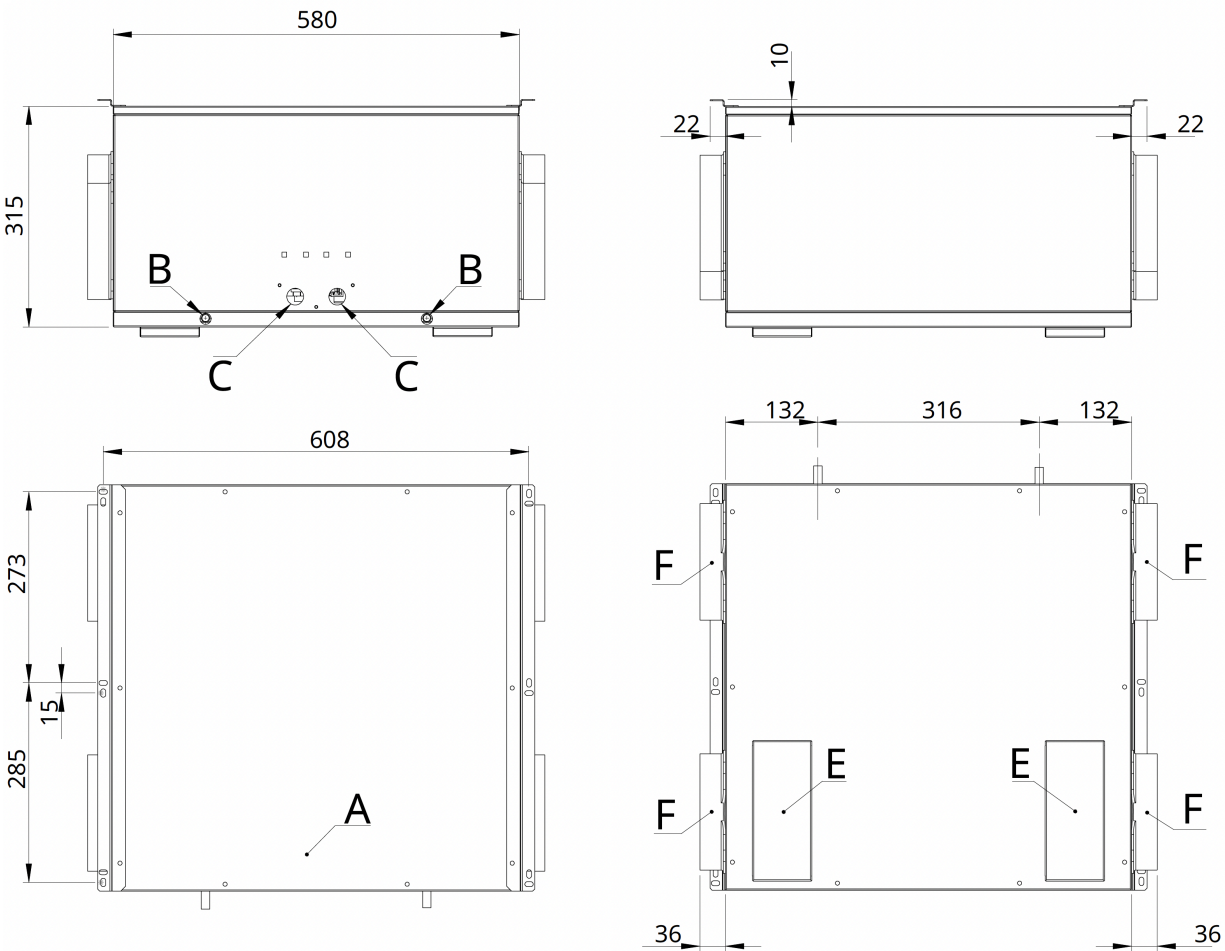
Size EVHRP SMALL		10 H/V	15 H/V	25 H/V
Fan Type		Centrifughi a pale avanti - motore elettronico direttamente accoppiato Brushless		
Nr. Funs	Nr.	2		
Airflow	m³/h	130	210	320
Available Pressure	Pa	100	100	100
Heat Exchanger (Data according to UNI EN 13141-7: Indoor Temp. 20°C - Indoor Humidity 28% - Outdoor Temp. 7°C - Outdoor Humidity 72%)				
Recovery Efficiency		Ounterflow Plates - Polypropylene Material		
Number of Heat Exchangers	Nr.	1		
Heat Recovery Efficiency	%	87,0	85	85
Filters				
Tipo di Filters		Filters Piani		
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	51	52
Sound Power Level (Lw) Radiated from the Duct	dB(A)	55	57	60
Average Sound Pressure Level (Lp) at 1 m	dB(A)	41	43	45
Average Sound Pressure Level (Lp) at 3 m	dB(A)	34	36	38
Electrical data				
Power Supply	V / ph / Hz	230 / 1 / 50		
Current Consumption	A	1,2	1,2	2,2
Power Input	W	80	140	180
Protection Rating	IP	X2	X2	X2
Dimensions				
Width	mm	580	580	580
Depht	mm	580	580	580
Height	mm	255	255	315
Connection Diameter	mm	160	160	160
Condensate Drain	mm	12	12	12

Weight	kg	19	19	23
Model classification according to European Regulation 1253/2014 and 1254/2014				
With EVCNV2 - EVCNW2 Remote Control (RH / VOC - CO ₂)	-	A	A	A

EVHRP SMALL 10-15 dimensions

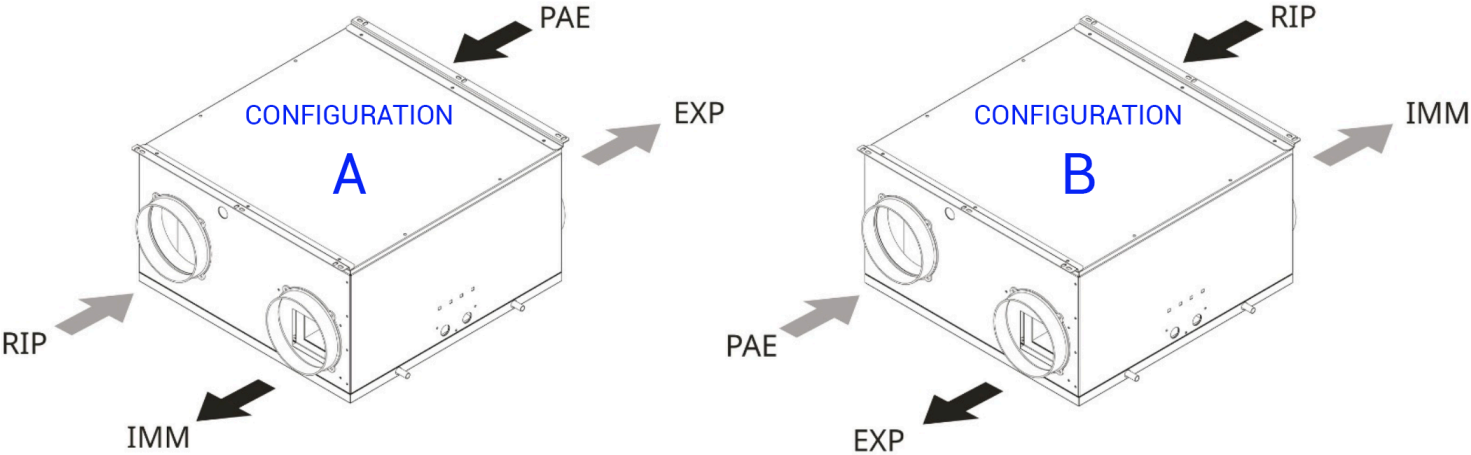


Riferimento	Description
A	Electrical Control Panel
B	Condensate Drain – Horizontal Installation
C	Cable Routing for Power Supply and Display
D	Condensate Drain – Vertical Installation
E	Filter Access Panels
F	Circular Connections Ø 160 mm

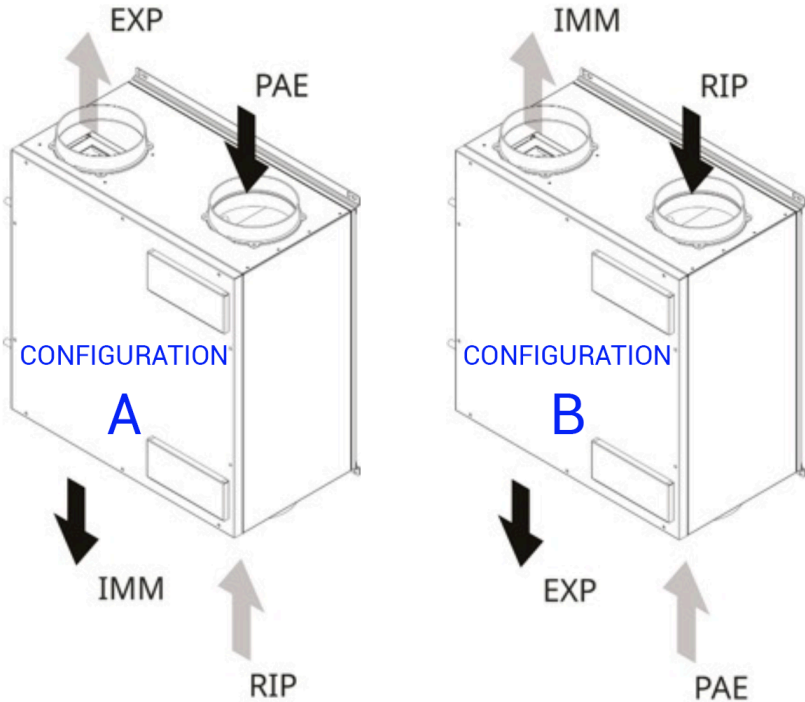


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HORIZONTAL INSTALLATION

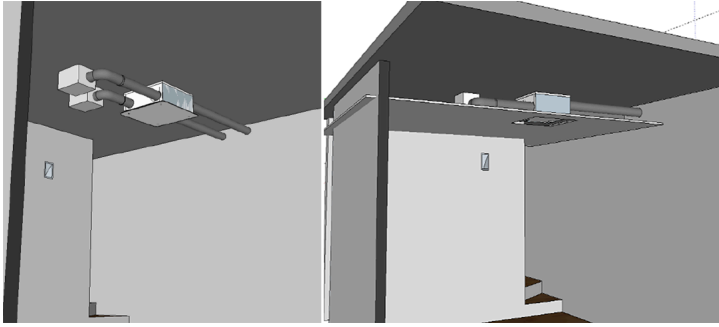


VERTICAL INSTALLATION



Riferimento	Description
PAE	Outdoor Air Intake
EXP	Espulsione
IMM	Supply Air to Room
RIP	Return Air from Room

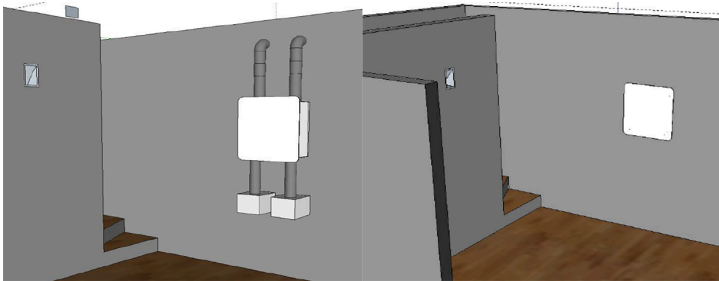
Horizontal Installation



Vertical Installation

For vertical installation with configuration “A”, a unit with an enthalpy heat exchanger must be requested.

In the case of vertical installation, it is possible to purchase the Aesthetic Cover in composite panel in aluminum painted RAL9003.



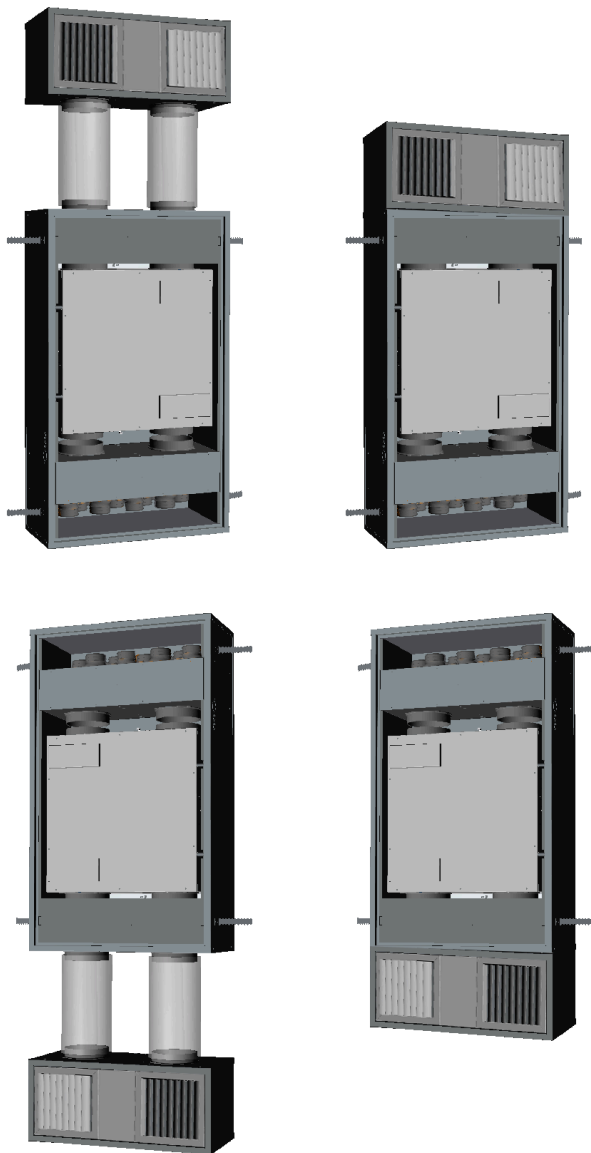
Recessed Vertical Installation (only EVHRP SMALL 10-15)

The EVHRP SMALL units can also be installed recessed with the aid of a special formwork with 30 mm EPS insulation on all walls and 20 mm Foam insulation on the front closing panel, studied and designed in detail.

Two distribution boxes are housed in the formwork which allow the connection of up to 6 corrugated delivery pipes and 6 corrugated return pipes. The connection is made by means of sleeves with shutter suitable for the connection of the HTPE PLUS corrugated pipe with an internal diameter of 63 mm and an external 75 mm (on request a 76 mm internal and 90 mm external diameter). The sleeves for connecting the pipe are already included in the delivery of the formwork.

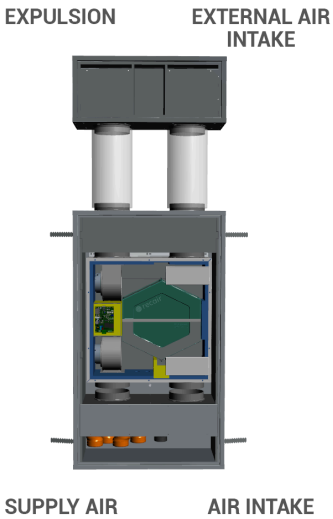
It is also possible to purchase the EXTERNAL INTAKE KIT necessary to create the external air intake and exhaust air expulsion directly above the formwork without the aid of further ducts.

N.B. For vertical installation with configuration “A”, a unit with an enthalpy heat exchanger must be requested.

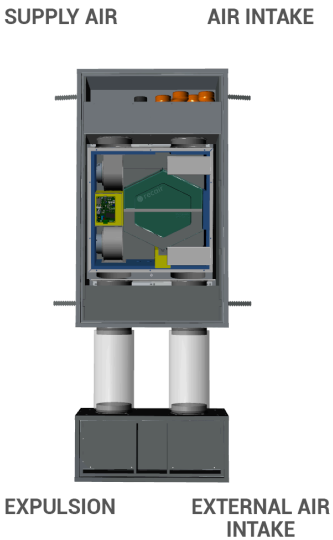




FORMWORK VERSION UI
EVHRP SMALL CONFIGURATION A
EXTERNAL AIR KIT

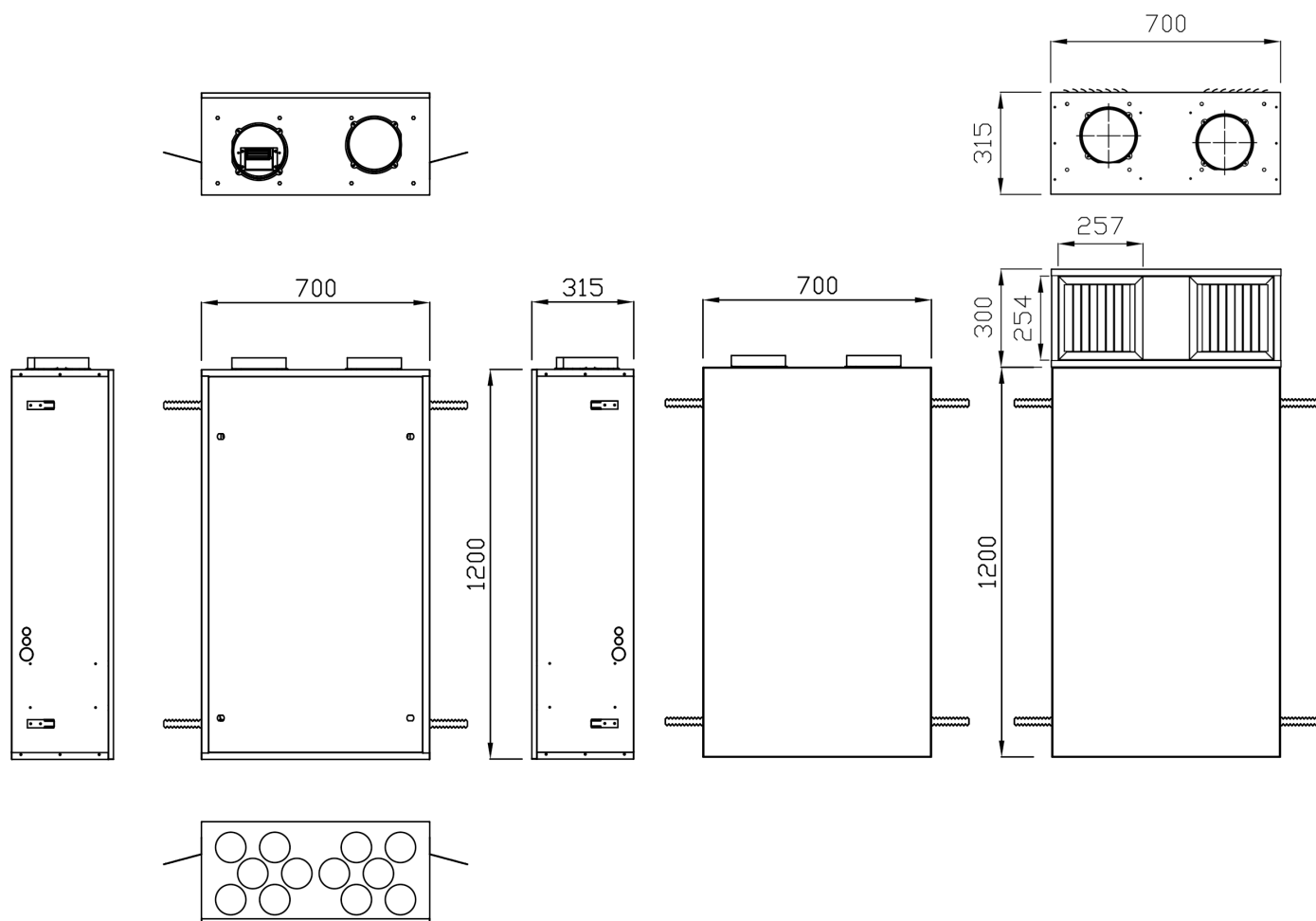


FORMWORK VERSION US
EVHRP SMALL CONFIGURATION B
EXTERNAL AIR KIT



Formwork Dimensions

All dimensions are expressed in mm.



S Version - Price List

Models	EVHRP SMALL (configurazione A)	EVTDV	SI-EVTDV - Flush- Mounted Box for EVTDV Unit	EVSQV	Filter Pair Kit
	Eur	Eur	Eur	Eur	Eur
10	1.838,98	196,33	18,49	273,17	73,99
15	2.118,03				73,99
25	2.553,37				85,87



IN2 Version - Price List:

Models	EVHRP SMALL (configurazione A)	EVCNV2-N - Black	EVCNV2-B - White	EVCNW2-N - Wi- Fi - Black	EVCNW2-B - Wi- Fi - White	Filter Pair Kit
	Eur	Eur	Eur	Eur	Eur	Eur
10	2.095,71	240,12	240,12	296,45	296,45	73,99
15	2.411,04					73,99
25	2.818,47					85,87



Price List for Installation Casing and Accessories (EVHRP SMALL 10-15 only)

Models	Eur
Flush-Mounted Installation Casing for EVHRP SMALL with Bottom Supply and Extract Air Connections - UI Version	971,71
Flush-Mounted Installation Casing for EVHRP SMALL with Top Supply and Extract Air Connections - US Version	1.045,70
Flush-Mounted Installation Casing for EVHRP SMALL with Top Supply and Extract Air Connections - US Version	418,28
T-EASY - Closing cap (pack of 5 pieces)	15,58

Aesthetic Cover - Price List

Models	Eur
Pannello composito in alluminio verniciato RAL9003	156,50