

# EVHRP SLIM High efficiency heat recovery unit for flow rates up to 110 m³/h



## Description

Ventilation unit complete with heat recovery exchanger, dedicated to air renewal without wasting of energy.

The unit is particularly suitable for single family housing, apartments and in all cases where the nominal flow rates for air exchange do not exceed 110 m³/h. Constant flow rate selectable in 3 levels.

## Features

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

## Control electronics version S2

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 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/CO<sub>2</sub> sensors, black.

EVCNV2-B: advanced remote control with built-in humidity and VOC/CO<sub>2</sub> sensors, white.

EVCNW2-N: advanced remote control with built-in humidity and VOC/CO<sub>2</sub> sensors and built-in Wi-Fi, black.

EVCNW2-B: advanced remote control with built-in humidity and VOC/CO<sub>2</sub> sensors and built-in Wi-Fi, white.

## Electronic configuration IN2

A or B configurations selectable by electronics.

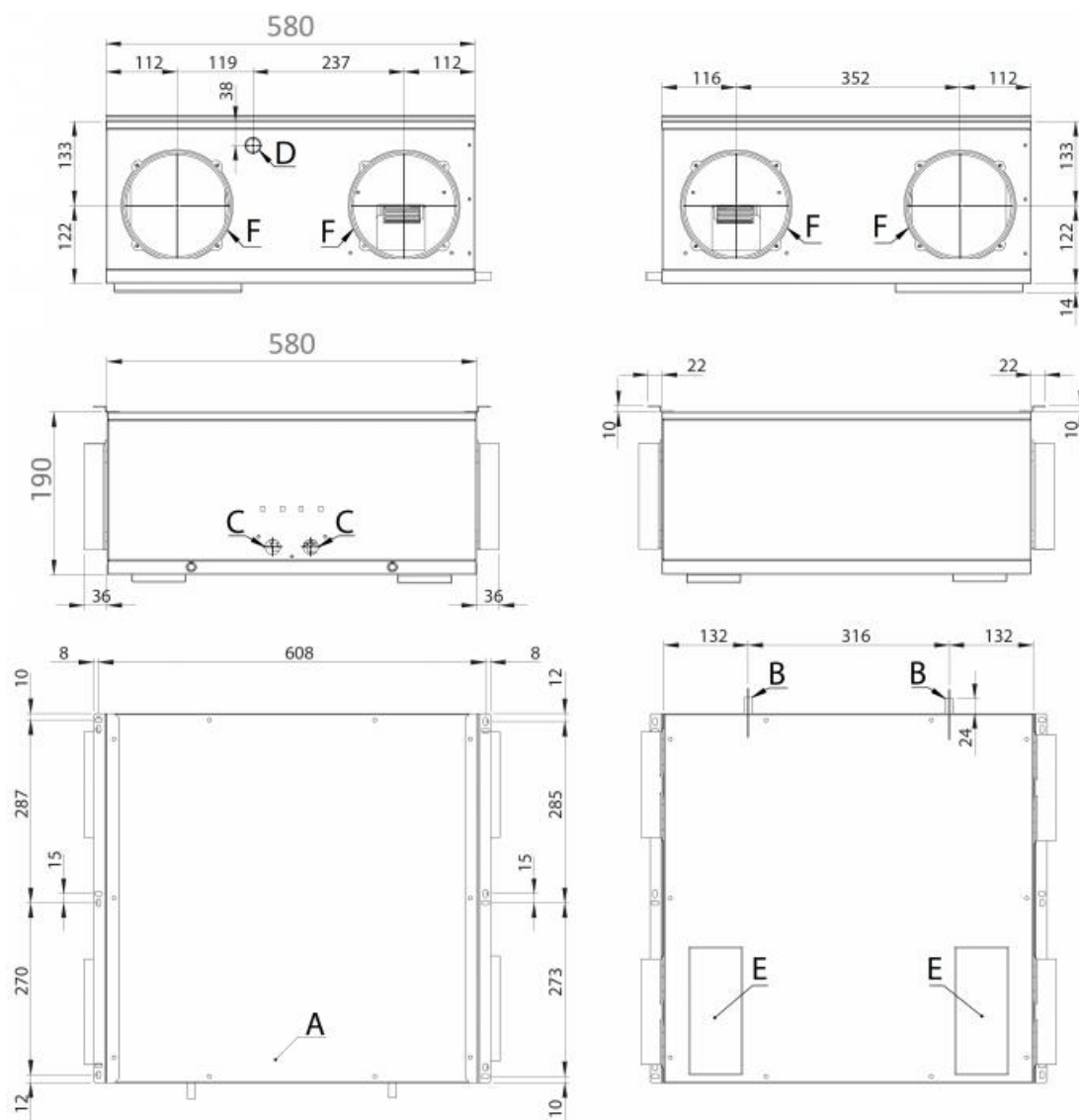
## Use

Homes, clinics, for air exchange with up to 90% reduction in energy waste.

## Technical specifications

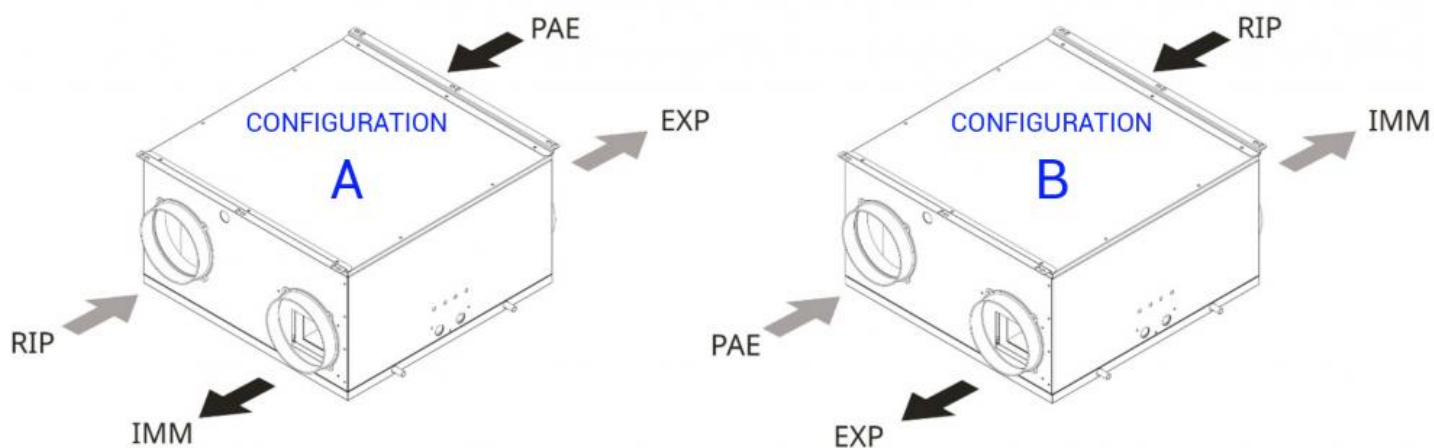
| Size  |             | EVHRP SLIM  |   |
|---|-------------|---|---|
| Type of Fans  |             | Forward-curved centrifugal - Brushless direct-coupled electronic motor            |   |
| Number of Fans  | No.         | 2   |   |
| Air flow rate   | m³/h        | 110   |   |
| Useful pressure   | Pa          | 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  | %           | 89,5  |   |
| 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)       | 49  |   |
| Sound power Lw radiated from the duct   | dB(A)       | 53  |   |
| Average sound pressure Lp at 1 m  | dB(A)       | 42  |   |
| Average sound pressure Lp at 3 m  | dB(A)       | 34  |   |
| Electrical Data   |             |   |   |
| Power supply  | V / ph / Hz | 230 / 1 / 50  |   |
| Current consumption   | A           | 0,35  |   |
| Power consumption   | W           | 41  |   |
| Protection rating   | IP          | X2  |   |
| Dimensional data  |             |   |   |
| Width   | mm          | 580   |   |
| Depth   | mm          | 580   |   |
| Height  | mm          | 190   |   |
| Connection diameter   | mm          | 125   |   |
| Condensate drain  | mm          | 12  |   |
| Weight  | kg          | 15  |   |
| classification of the various models according to the European regulation 1253/2014 and 1254/2014 |             |   |   |
| With remote control EVCNV2 - EVCNW2 (UR/VOC-Co2)  |             | -   | A |

## EVHRP SLIM dimensions (HORIZONTAL INSTALLATION ONLY)



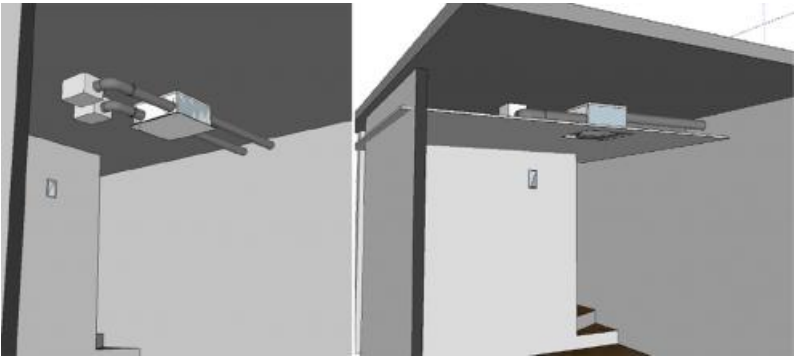
| Reference | Description                                |
|-----------|--|
| A         | electrical cabinet                         |
| B         | Condensate drain horizontal installation   |
| C         | Passage of power supply and display cables |
| D         | Condensate drain vertical installation     |
| E         | Filter doors                               |
| F         | Circular connections Ø 160mm               |

## HORIZONTAL INSTALLATION



| Reference | Description         |
|-----------|---------------------|
| PAE       | External air intake |
| EXP       | Expulsion           |
| IMM       | Ambient air intake  |
| RIP       | Room air intake     |

HORIZONTAL installation



S2 VERSION price list:

|                                    |                                 |  |                          |                     |
|------------------------------------|---------------------------------|--|--------------------------|---------------------|
| Item normally available from stock |                                 |  |                          |                     |
| EVHRP SLIM (configuration A)       | remote electronic control EVTDV | Electric box for recessed installation for EVTDV | air quality sensor EVSQV | pair of filters kit |
| euro                               | euro                            | euro   | euro                     | euro                |
| ▼                                  | ▼                               | ▼  | ▼                        | ▼                   |



IN2 VERSION price list:

|                                    |                               |   |  |   |   |                     |
|------------------------------------|-------------------------------|---|--|---|---|---------------------|
| Item normally available from stock |                               |   |  |   |   |                     |
| model                              | EVHRP SMALL (configuration A) | remote electronic control EVCNV2-N. Black color | remote electronic control EVCNV2 -B. White color | EVCNW2-N remote electronic control with Wi-Fi connection. Black color | EVCNW2-B remote electronic control with Wi-Fi connection. White color | pair of filters kit |
|                                    | euro                          | euro  | euro   | euro  | euro  | euro                |
| 08                                 | ▼                             | ▼   | ▼  | ▼   | ▼   | ▼                   |

