

EVHRPE Heat recuperator unit with high efficiency up to 90% and flow rates up to 5000 m³/h.



Description

Non-residential double flow ventilation unit with heat recovery with very high yield up to 90%.

Control electronics

Version IN: with electronic card for 3-step speed management, anti-freeze function and automatic bypass. Wall-mounted touch remote panel on 503 box. Temperature sensors on the machine and the possibility of managing the auxiliary hot water coil. Humidity / air quality regulators 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 integrated black Wi-Fi.

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

Version E:

On-board electrical panel with microprocessor and dedicated regulation.

Management of modulating fans, visualization of internal temperature probes, management of dirty filters, timed or with pressure switch kit, management of free-cooling with temperature probes.

Management of pre and post-heating batteries - water and electric cooling. Management of on - off valves and modulating at 2-3 points.

Dehumidification management through double battery and humidity probes.

Fan operation with variable speed, constant flow or constant pressure.

Wide graphical interface with configuration menu and multi-lingual user menu.

Possibility of remote simplified or advanced connection keyboards

Characteristics

Structure with sandwich panels in sheet metal (external white plastic film, galvanized inside) with interposed insulation in polystyrene, internal infills with big galvanized sheet thickness.

Perimeter structure with aluminium profiles, with seals and no air leakage. High-efficiency counter-current cross-flow aluminium heat exchanger. Low freezing and operating temperatures down to -25 ° C.

Very high exchange efficiency. Brushless fans with electronic motor and modulating control.

Very high efficiency and low noise levels. ePM1 70-80% filters with low pressure drop. Free-cooling (optional) with damper and motorized actuator.

Recovery efficiency greater than 90%. Horizontal and vertical construction.

Use

Ideal solution to obtain the highest energy certification of buildings in the tertiary, industrial and collective residential sector (centralized condominium plants).

Accessories

-Batteria elettrica da canale ON/OFF modello EVBE.

-Batteria elettrica da canale CON REGOLAZIONE INTEGRATA modello EMBER.

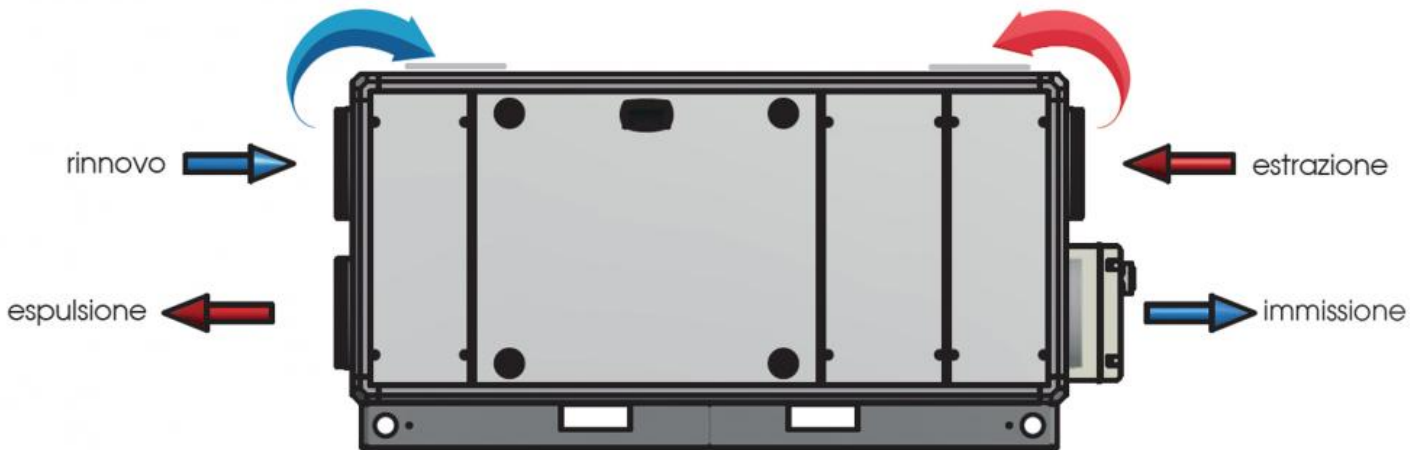
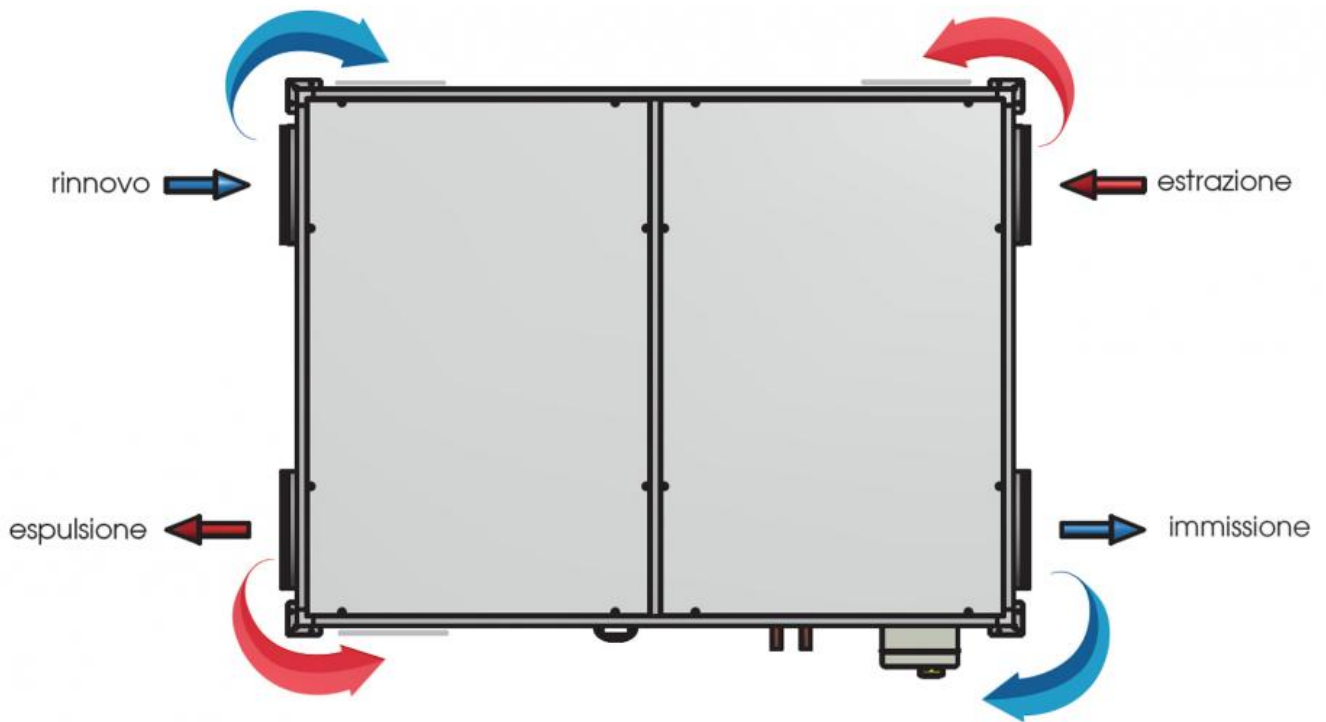
-Batteria di riscaldamento/post riscaldamento modello EVBAC.

-Batteria di raffreddamento/post raffreddamento modello EVBAF.

Technical features:

| Grandezza EVHRPE | | 70 H | 70 V | 100 H | 100 V | 200 H | 200 V | 300 H | 300 V | 400 V | 500 V |
|--|-------------------|---|------|-------|-------|-------|-------|-------|-------|-------|-------|
| Tipo di Ventilatori | | Radiali a pala rovescia - motore elettronico direttamente accoppiato - segnale 0/10 V | | | | | | | | | |
| Numero Ventilatori | Nr. | 2 | | | | | | | | | |
| Portata aria | m ³ /h | 540 | 576 | 900 | 900 | 1980 | 2160 | 2916 | 2988 | 4068 | 5220 |
| Pressione utile | Pa | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 250 | 250 |
| Scambiatore di calore (Dati riferiti alla norma UNI EN 13141-7 Temp.interna 25°C - Umidità interna 28% - Temp.esterna 5°C - Umidità esterna 72%) | | | | | | | | | | | |
| Tipo di scambiatore | | Piastre controcorrente - materiale polipropilene | | | | | | | | | |
| Efficienza di recupero | % | 80,0 | 82,2 | 84,0 | 82,2 | 81,8 | 84,6 | 81,8 | 85,0 | 84,9 | 85,6 |
| Tipo di filtri | | Filtri | | | | | | | | | |
| Classe di filtrazione | | Filtri ePM1 70-80% | | | | | | | | | |
| Dati acustici (Dati riferiti alla norma UNI EN 3741 e UNI EN 3744) | | | | | | | | | | | |
| Pressione sonora L _w (EN3747) | dB(A) | 51,8 | 52,2 | 59,6 | 51,4 | 66,8 | 59,8 | 68,6 | 63,2 | 68,4 | 73,3 |
| Pressione sonora L _p a 3 m (EN3744) | dB(A) | 61,9 | 55,9 | 61,6 | 56,2 | 69,3 | 64,8 | 70,9 | 68,4 | 73,4 | 77,9 |
| Dati Elettrici | | | | | | | | | | | |
| Tensione di alimentazione | | 230 / 1 / 50 Hz | | | | | | | | | |
| Corrente assorbita | A | 2,5 | 2,5 | 2,9 | 2,9 | 5,7 | 5,7 | 6,3 | 6,3 | 11,3 | 12,1 |
| Potenza assorbita | W | 0,32 | 0,29 | 0,35 | 0,33 | 0,83 | 0,81 | 1,27 | 1,47 | 2,59 | 2,88 |
| Grado di protezione | IP | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Dimensionali | | | | | | | | | | | |
| Larghezza | mm | 740 | 760 | 1240 | 960 | 1640 | 1060 | 1740 | 1460 | 1360 | 1910 |
| Profondità | mm | 1590 | 1475 | 1815 | 1645 | 2180 | 2150 | 2400 | 2305 | 2465 | 2585 |
| Altezza | mm | 360 | 660 | 420 | 760 | 495 | 1180 | 635 | 1180 | 1320 | 1320 |
| Diametro attacchi | Ø mm | 200 | 200 | 250 | 250 | 355 | 355 | 450 | 450 | 500 | 560 |
| Peso | Kg | 103 | 104 | 149 | 140 | 280 | 268 | 352 | 352 | 406 | 674 |
| Scarico condensa | Ø mm | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 |

Possible configurations:



Price list of horizontal version recovery

| modello EVHRPE | EVHRPE orizzontale - H | | Kit filtri di ricambio efficienza ePM1 70-80% | Tetto di protezione |
|----------------|------------------------|------------|--|---------------------|
| | versione IN | versione E | | |
| | euro | euro | euro | euro |
| 70 | ✓ | ✓ | ✓ | ✓ |
| 100 | ✓ | ✓ | ✓ | ✓ |
| 200 | ✓ | ✓ | ✓ | ✓ |
| 300 | ✓ | ✓ | ✓ | ✓ |

Price list of vertical version recovery

| modello EVHRPE | EVHRPE verticale - V | | Kit filtri di ricambio efficienza ePM1 70-80% | Tetto di protezione |
|----------------|----------------------|------------|--|---------------------|
| | versione IN | versione E | | |
| | euro | euro | euro | euro |
| 70 | ✓ | ✓ | ✓ | ✓ |
| 100 | ✓ | ✓ | ✓ | ✓ |
| 200 | ✓ | ✓ | ✓ | ✓ |
| 300 | ✓ | ✓ | ✓ | ✓ |
| 400 | ✓ | ✓ | ✓ | ✓ |
| 500 | ✓ | ✓ | ✓ | ✓ |

VERSION IN Accessories price list

| Item normally available from stock | | | | |
|------------------------------------|---|---|--|--|
| modello EVHRPE | controllo elettronico remoto EVCNV2-N colore nero | controllo elettronico remoto EVCNV2-B colore bianco | controllo elettronico remoto EVCNW2-N con collegamento Wi-Fi colore nero | controllo elettronico remoto EVCNW2-B con collegamento Wi-Fi colore bianco |
| 70 | ✓ | ✓ | ✓ | ✓ |
| 100 | ✓ | ✓ | ✓ | ✓ |
| 200 | ✓ | ✓ | ✓ | ✓ |
| 300 | ✓ | ✓ | ✓ | ✓ |
| 400 | ✓ | ✓ | ✓ | ✓ |
| 500 | ✓ | ✓ | ✓ | ✓ |



VERSION E Accessories price list

| modello EVHRPE | controllo elettronico remoto EVTGF euro | sonda qualità aria ambiente euro | sensore di temperatura da canale EVSMT euro | sonda umidità canale euro | umidostato euro | Kit portata costante KPOC euro | kit pressione costante KPRC euro |
|----------------|--|-------------------------------------|--|------------------------------|--------------------|-----------------------------------|-------------------------------------|
| 70 | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| 100 | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| 200 | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| 300 | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| 400 | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| 500 | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |

