

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.

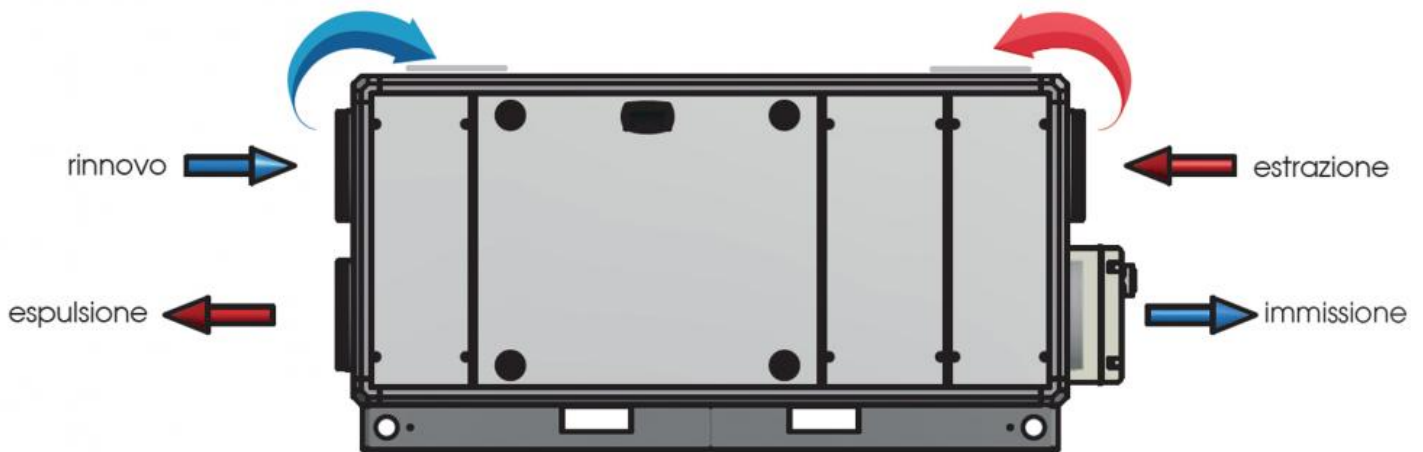
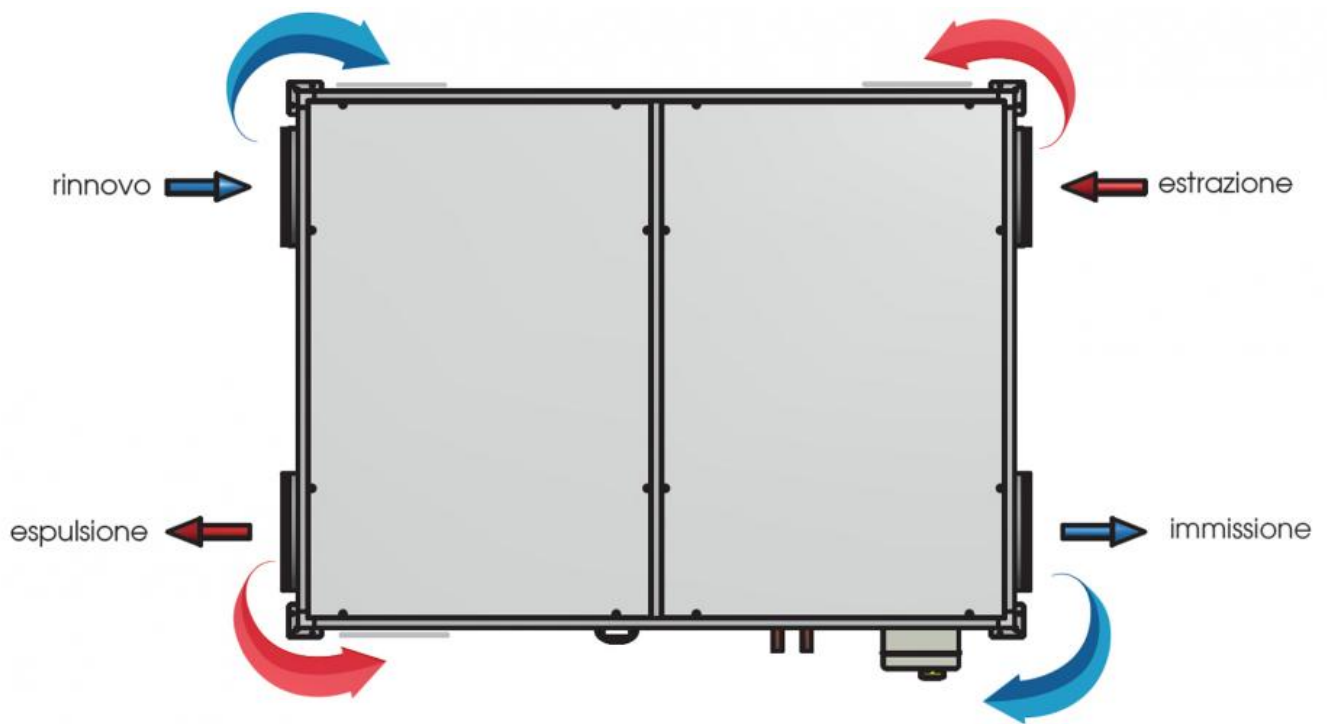
-Batteria di riscaldamento/post riscaldamento modello EVBAC.

-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	a.r. v	a.r. v	a.r. v	284,93 v
100	a.r. v	a.r. v	a.r. v	385,19 v
200	a.r. v	a.r. v	a.r. v	513,15 v
300	a.r. v	a.r. v	a.r. v	672,76 v

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	a.r. v	a.r. v	a.r. v	296,81 v
100	a.r. v	a.r. v	a.r. v	329,79 v
200	a.r. v	a.r. v	a.r. v	510,51 v
300	a.r. v	a.r. v	a.r. v	703,10 v
400	a.r. v	a.r. v	a.r. v	737,40 v
500	a.r. v	a.r. v	a.r. v	883,83 v

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	230,88 v	230,88 v	285,05 v	285,05 v
100	230,88 v	230,88 v	285,05 v	285,05 v
200	230,88 v	230,88 v	285,05 v	285,05 v
300	230,88 v	230,88 v	285,05 v	285,05 v
400	230,88 v	230,88 v	285,05 v	285,05 v
500	230,88 v	230,88 v	285,05 v	285,05 v



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	468,71 ▼	a.r. ▼	261,06 ▼	587,38 ▼	a.r. ▼	a.r. ▼	a.r. ▼
100	468,71 ▼	a.r. ▼	261,06 ▼	587,38 ▼	a.r. ▼	a.r. ▼	a.r. ▼
200	468,71 ▼	a.r. ▼	261,06 ▼	587,38 ▼	a.r. ▼	a.r. ▼	a.r. ▼
300	468,71 ▼	a.r. ▼	261,06 ▼	587,38 ▼	a.r. ▼	a.r. ▼	a.r. ▼
400	468,71 ▼	a.r. ▼	261,06 ▼	587,38 ▼	a.r. ▼	a.r. ▼	a.r. ▼
500	468,71 ▼	a.r. ▼	261,06 ▼	587,38 ▼	a.r. ▼	a.r. ▼	a.r. ▼

