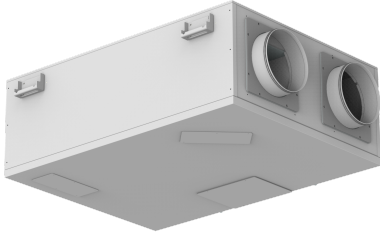


EVHRN-T Heat exchanger cross flow up to 3000m³/h and 80% efficiency



Description

Non-residential dual flow ventilation unit with medium efficiency for heat recovery ($\eta > 73\%$). Ideal solution to get the highest energy certification of buildings in the tertiary, industrial and collective residential sector (centralized condominium systems).

All sizes of the evhrn-t recovery unit can be installed both horizontally and vertical as inside they all have a double condensate collection tank.

The installation can be done both indoors and outdoors (with protective roof), with an ambient temperature between -15°C and $+50^{\circ}\text{C}$.

Technical Features

Structure composed of self-supporting galvanized sheet metal frame with 10+15mm thick polyethylene adhesive insulation. Condensate collection tank in galvanized sheet metal, counter-current aluminum static heat exchanger with 80% efficiency, automatic by-pass, automatic defrosting of the exchanger (via anti-freeze strategy), backward curved radial fans with EC motors with electronic speed control, low consumption (Erp 2018), single-phase (up to size 200) and three-phase (size 250, 300) which guarantee high static pressure values available to the ducting. Circular inlets for connection to the air ducts. Low pressure drop filters (EN 779) class ePM 10 50% (M5) for extract air and ePM 2.5 65% (F7) for supply air. Side access doors and internal technical spaces for easy filter inspection / maintenance. Horizontal or vertical installation.

Use

Offices, shops, bars and restaurants, collective residential buildings. Ideal for air exchange with efficiencies up to 80%.

IN2 Version - Electronic Control Device

Version IN2: equipped with electronic control board for 3-step fan speed management, antifreeze function and automatic bypass. Remote touch wall-mounted control panel for 503 box installation. On-board temperature sensors and possibility to manage an auxiliary hot water coil. Humidity / air quality sensors integrated into the remote display.

EVCNV2-N: advanced remote controller with integrated humidity and VOC/CO₂ sensors, black finish.

EVCNV2-B: advanced remote controller with integrated humidity and VOC/CO₂ sensors, white finish.

EVCNW2-N: advanced remote controller with integrated humidity and VOC/CO₂ sensors, with integrated Wi-Fi, black finish.

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

Adjustment configuration IN2

The machine will be delivered with H5-A or V1-A configuration. A B configurations selectable by electronics.

Elettronica di Comando - Version S

Version S: the unit is supplied without electronic control board and fan speed is controlled via 0-10V input signal.

The EVTDV remote terminal with LCD display is available as an optional accessory for fan speed and bypass control, including several advanced functions such as:

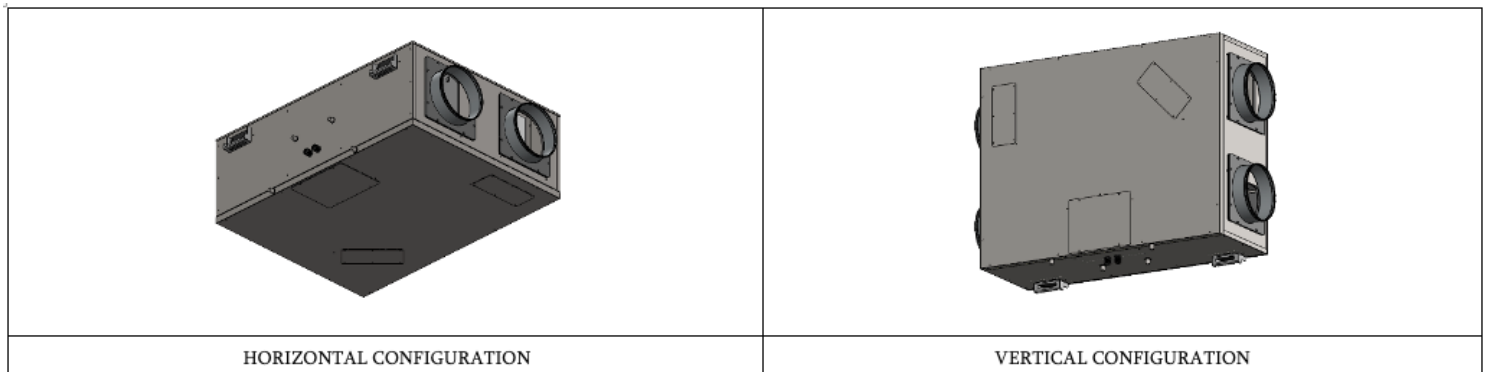
- independent control of each fan speed, allowing operation in positive or negative pressure mode;
- timed dirty filter alarm;
- possibility to connect the EVSQV air quality sensor, sold separately.

Accessories

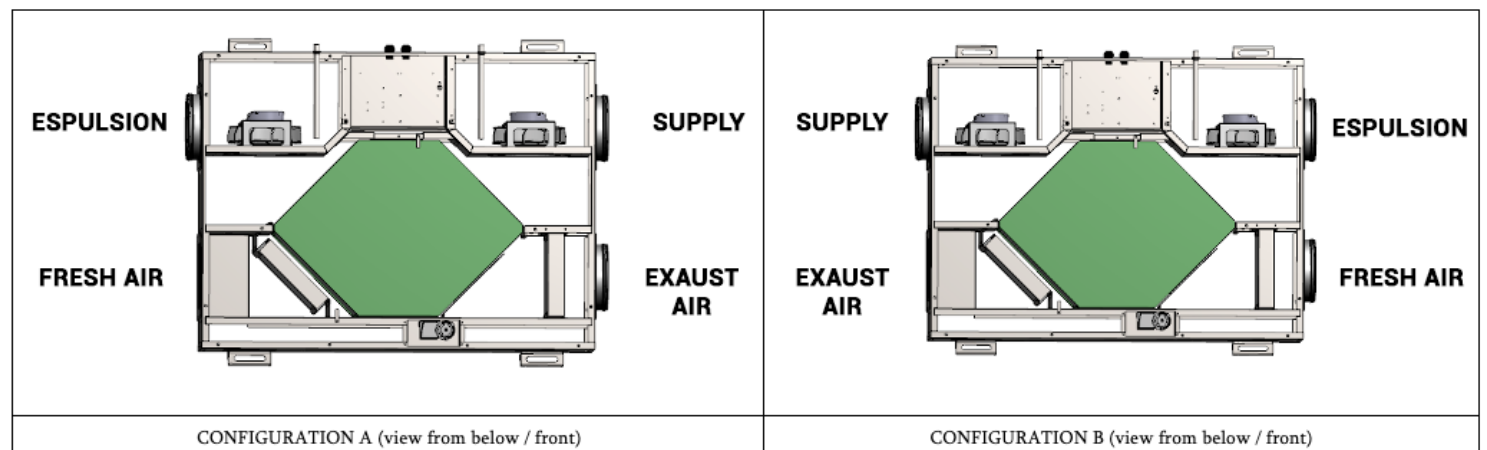
- EVBE model ON / OFF duct electric heater.
- EVBER model duct electric heater with integrated regulation.

- EVBAC model heating / post heating coil.
- EVBAF model cooling / post-cooling coil.

Installation



Configurations



Dimensions

EVHRN-T		70	100	150	200	250	300
A	mm	1210	1210	1210	1210	1410	1410
B	mm	990	990	990	990	1110	1110
C	mm	320	420	520	620	720	720
Air Connection Diameter	Ø mm	200	250	315	355	355	400
Water Connection Diameter	Ø mm	18	18	18	18	18	18
Weight	kg	60,5	69	85	95	133	133
Weight Including Packaging	kg	68	77,5	93	102	140	140

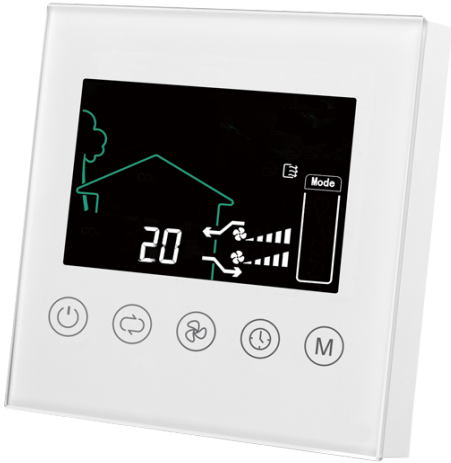


Dati riferiti ai valori nominali dichiarati dal costruttore dei ventilatori
Le unità devono essere collegate ai canali di distribuzione
Le prestazioni sono state verificate con filtri a bassa perdita di carico in dotazione "puliti".

Le prestazioni sono state verificate con filtri a bassa perdita di carico in dotazione "puliti".

Price List of Recuperators and Accessories - Version S

Models	EVHRN-T	EVTDV	SI-EVTDV - Flush-Mounted Box for EVTDV Unit	EVSQV	EVFHRNT - Pair Filter Kit
	Eur	Eur	Eur	Eur	Eur
70	-	-	-	-	-
100	-	-	-	-	-
150	-	-	-	-	-
200	-	-	-	-	-
250	-	-	-	-	-
300	-	-	-	-	-



Price List of Recuperators and Accessories - Version IN2

Models	EVHRN-T	EVCNV2-N - Black	EVCNV2-B - White	EVCNW2-N - Wi-Fi - Black	EVCNW2-B - Wi-Fi - White	EVFHRNT - Pair Filter Kit
	Eur	Eur	Eur	Eur	Eur	Eur
70	-	-	-	-	-	-
100	-	-	-	-	-	-
150	-	-	-	-	-	-
200	-	-	-	-	-	-
250	-	-	-	-	-	-
300	-	-	-	-	-	-



Rain Hood

Heat Recovery Unit Model	Horizontal Version	Vertical Version
	Eur	Eur
70	-	-
100	-	-
150	-	-
200	-	-
250	-	-
300	-	-

Feet kit (4 pieces)

Heat Recovery Unit Model	KPO-EVHRN-T – Foot Kit (4 pcs) for Horizontal Version	KPV-EVHRN-T – Foot Kit (4 pcs) for Vertical Version
	Eur	Eur
70	-	-
100	-	-
150	-	-
200	-	-
250	-	-
300	-	-