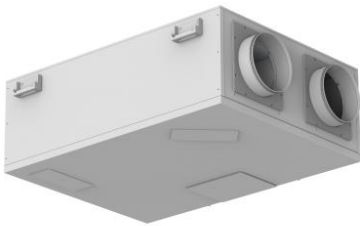


EVHRN-T Heat exchanger cross flow up to 3000m³/h and 80% efficiency



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%.

Electronic control device:

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 sensors 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 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.

Adjustment configuration IN2

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

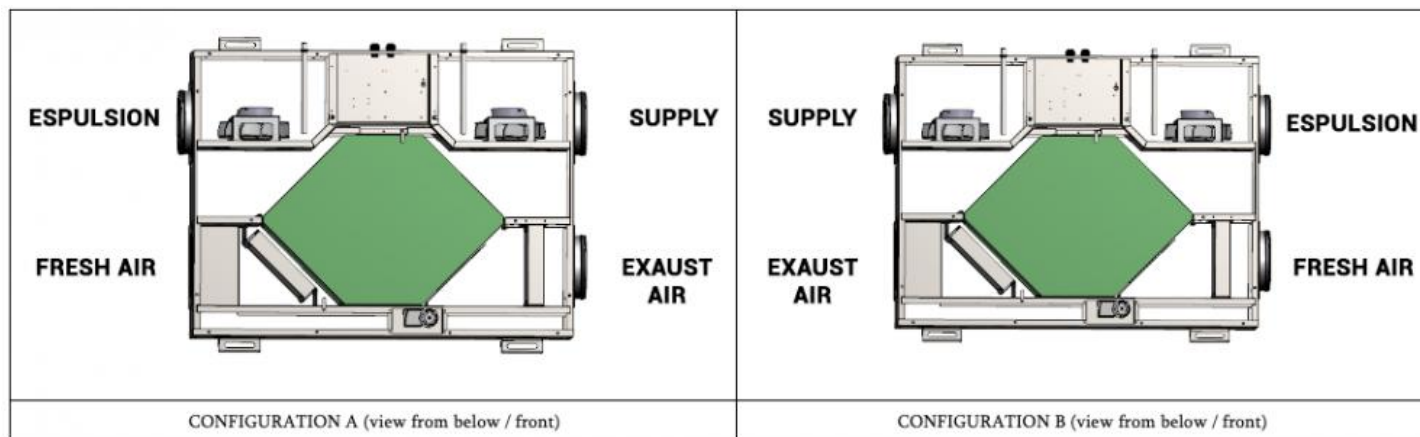
Accessories:

- 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

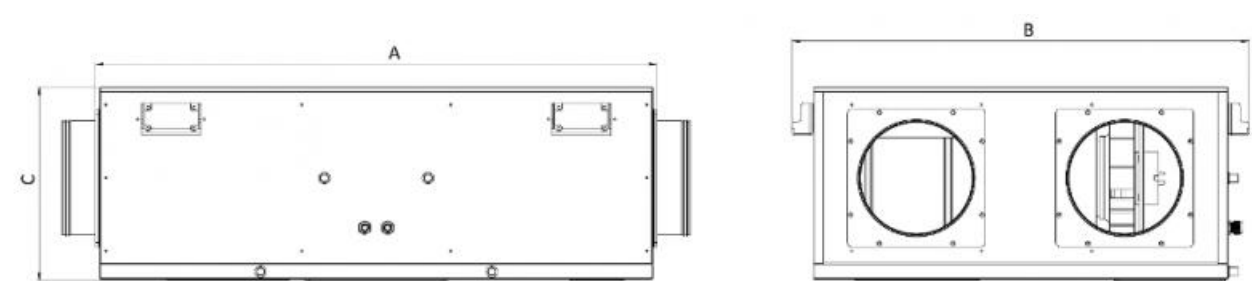
HORIZONTAL CONFIGURATION	VERTICAL CONFIGURATION

Configurations



Dimensions:

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 connections diameter	Ø mm	200	250	315	355	355	400
Condensate drain diameter	Ø mm	18	18	18	18	18	18



Technical features:

Models EVHRN-T:		70	100	150	200	250	300
Type of fans		Brushless fans with electronic motor and modulating control.					
Number of fans	Nr	2					
Maximum air flow	m³/h	700	1000	1500	2000	2500	3000
Useful pressure available	Pa	120	240	200	140	220	140
Sound power Lw (EN3747) from the cabinet	dB(A)	61	62	64	68	69	72
Sound power Lw (EN3747) from the duct	dB(A)	71	74	76	79	81	83
Type of exchanger		Countercurrent aluminum plates					
Recovery efficiency	%	75/80%					
Type of filters		Data Referred to the following conditions (UNI EN 13141-7): -nominal air flow -external air 5°C with 72% ur / expelled air 25°C with 28% ur ePM Renewal 2.5 - 65 % (F7) / ePM Extraction 10 - 50 % (M5)					
Supply voltage	V	230V / 1 / 50 Hz				400V / 3 / 50Hz	
Max absorbed power	kw	0,29	0,34	0,62	0,78	1,50	1,90
Max current absorbed	A	1,5	1,5	2,2	4,1	3,2	3,5
Degree of protection		IP 20	IP 20	IP 20	IP 20	IP 20	IP 20
Data refer to the nominal values declared by the manufacturers of the fans The units must be connected to the distribution channels The performances have been verified with the supplied low pressure drop filters							

Price list of recuperators and accessories version S

Item normally available from stock					
model	EVHRN-T	electronic remote control EVTDV	Flush-mounted box for EVTDV	air quality sensor EVSQV	filter pair kit
	euro	euro	euro	euro	euro
70	✓	✓	✓	✓	✓
100	✓	✓	✓	✓	✓
150	✓	✓	✓	✓	✓
200	✓	✓	✓	✓	✓
250	✓	✓	✓	✓	✓
300	✓	✓	✓	✓	✓



Price list of recuperators and accessories version IN2:

Item normally available from stock						
modello	EVHRN-T	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
70	✓	✓	✓	✓	✓	✓
100	✓	✓	✓	✓	✓	✓
150	✓	✓	✓	✓	✓	✓
200	✓	✓	✓	✓	✓	✓
250	✓	✓	✓	✓	✓	✓
300	✓	✓	✓	✓	✓	✓



Roof Protection

Modello EVHRN-T	HORIZONTAL VERSION	VERTICAL VERSION
	euro	euro
70	✓	✓
100	✓	✓
150	✓	✓
200	✓	✓
250	✓	✓
300	✓	✓

Feet kit (4 pieces)

Item normally available from stock		
model	Feet kit (4 pieces) VERTICAL VERSION	Feet kit (4 pieces) HORIZONTAL VERSION
	euro	euro
70	✓	✓
100	✓	✓
150	✓	✓
200	✓	✓
250	✓	✓
300	✓	✓