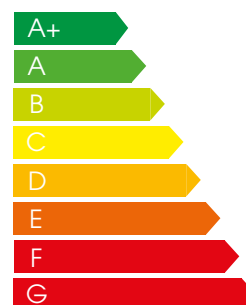


TECHNICAL DATA



UNIT	CONTROL	ENERGETIC CLASS
BREVA-H 2	EVO-LIGHT	A
	EVO-LIGHT BMS	A



BREVA-H





BREVA-H

High efficiency heat recovery ventilation unit with double flow for residential buildings

EQUIPPED

It is equipped with an aluminum counterflow heat exchanger. EC backward curved centrifugal fans allow the BREVA-H to reach a maximum capacity of about: 218 m³/h at 100 Pa (BREVA-H 2) with 99 Watt power consumption. The By-pass permits to take advantage of favorable climatic conditions outside the building for automatic free cooling (or free heating).

STRUCTURE

BREVA-H it is made with a EPP structure, material that ensures a high degree of thermal insulation towards the outside and between the air flows. Access to the filters (Coarse 65% - G4) is particularly easy thanks to two special openings located on the inspection panel. BREVA-H can be installed in ambient with temperature between 0° C and 45° C, can have floor or ceiling installation.

CONTROLS

For quick installation, BREVA-H is supplied complete with control system and connection to the electricity supply network; the version equipped with EVO-LIGHY control is available. The latter is designed for complete integration into home automation systems (Modbus protocol with Ethernet connection or, on request, with the addition of the RS485 connection). The new version of our control systems allows the transition from one control system to another extremely easily and quickly, even after installation, with only the replacement of the remote panel.

The EVO-LIGHT control has a backlit color touch screen interface, gives an intuitive view of the operating status of the machine, allows timely adjustment of the fan speed and has a weekly timer program for the automatic management of the fans. EVO-PH can be controlled by an external switch to activate the booster function; the latter can automatically regulate the air flow, if connected to an air quality probe, and can manage any air post-treatment accessories (duct); furthermore it automatically manages the by-pass and prevents frosting of the heat exchanger by managing the speed of the fans or, if installed, an electric pre-heating resistor (optional accessory inside the machine); signals to the user the need to replace the filters (the clogging status of the filters is monitored by an hour meter with factory calibration) or the onset of an anomaly, indicating its origin; manages anti-icing. With the addition of optional accessories (Kit COP or Kit CAV, installed in the duct) it is possible to manage the ventilation machine in constant pressure or constant flow mode.

The EVO-LIGHT BMS control has the same characteristics as the EVO-LIGHT version, with the addition of the Modbus communication protocol which allows full control of the machine by the home automation system supervision software. The implemented webserver allows you to interact with the machine also with an internet browser of a device connected, even remotely, to the home automation network in which the machine itself is inserted.

For a more complete view of the characteristics of the control systems, please refer to the respective manuals.



Aluminum counter-current heat exchanger produced by RECUTECH; RECUTECH participates in the Eurovent certification program

CONFIGURATIONS - FLOOR INSTALLATION

STANDARD



MIRROR



CONFIGURATIONS - CEILING INSTALLATION

STANDARD



MIRROR

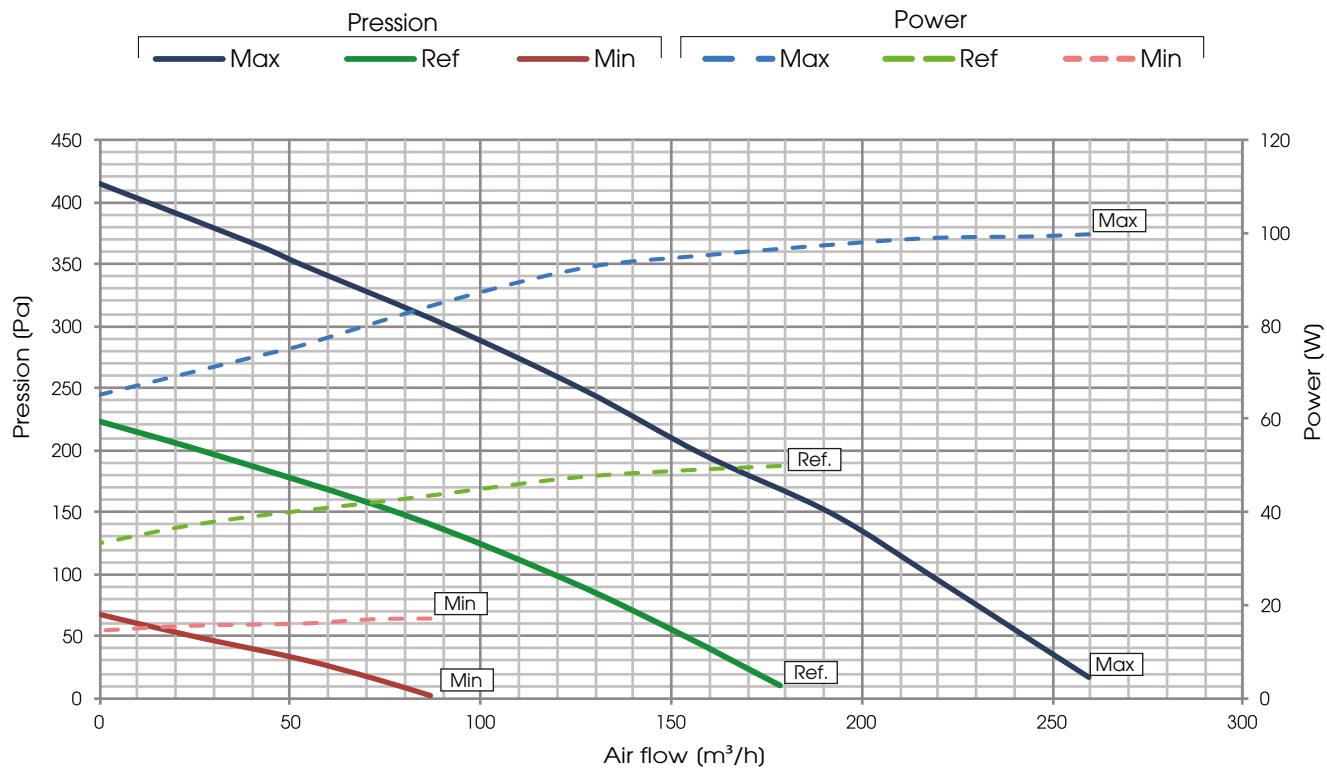




PERFORMANCES (UNI EN 13141-7)

The unit must be ducted properly: UTEK authorizes the use only according to its performance diagram shown into this catalogue
The declared performances are with CLEAN filters and guaranteed ONLY with the original filters UTEK low pressure drop.

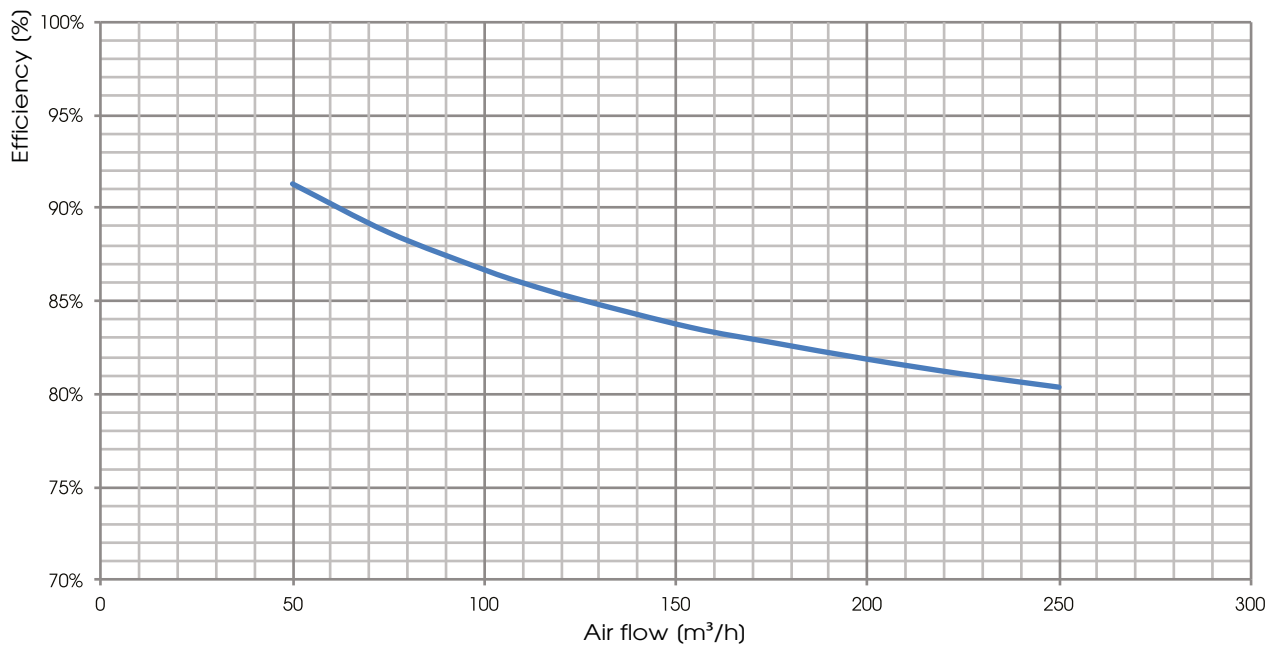
BREVA-H 2



HEAT RECOVERY PERFORMANCE (sensible efficiency)

Values referred to the following conditions (UNI EN 13141-7): T_{bs} external air 7°C; U.R. external 72%; T_{bs} environment 20°C; U.R. environment 38%

BREVA-H 1 and 2





TEST LEAKAGE FLAT according UNI EN 13141-7

LEAKAGE	TEST CONDITIONS	BREVA-H CLASS
OUTDOOR	Positive pression 250 Pa	A3
OUTDOOR	Negative pression 250 Pa	A3
INDOOR	Pressure difference 100 Pa	A3

NOISE LEVEL

L_w Sound power level taken in accordance to UNI EN ISO 3747 CLASS 3

	NOISE FROM THE CASE (dB)							
Unit BREVA-H	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	L _w dB(A)
MAX	54.5	63.1	58.2	55.7	45.5	43.3	44.4	60.3
REF	53.6	55.3	52.8	46.9	36.8	37.2	43.0	53.5

	NOISE IN THE DUCTS (dB)							
Unit BREVA-H	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	L _w dB(A)
MAX	57.7	72.2	72.9	63.4	59.7	58.0	60.5	72.2
REF	55.4	68.6	63.8	58.3	52.2	48.4	52.3	65.1

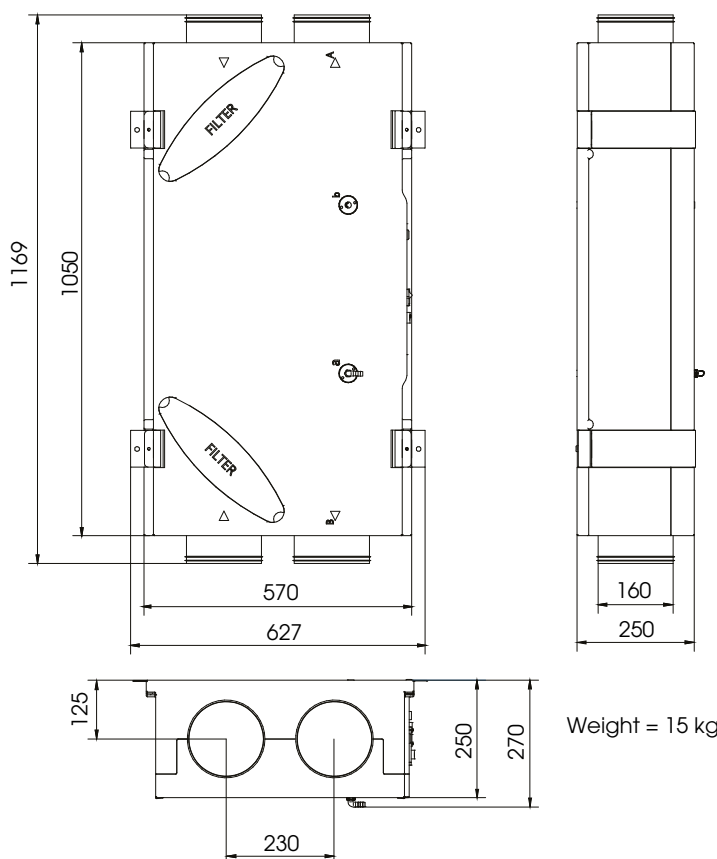
ELECTRICAL DATA

UNIT	FAN				BREVA-H UNIT	
	Power*(W)	Supply	Current max.(A)	Insulation class	Supply	Current max.(A)
BREVA-H	2 X 50	230 V, 50/60 Hz 1F	2 X 0,46	IP 44 class B	230 V, 50 Hz 1F	1.1

(*) Fan data, it's referred to the global absorbed power graph of the machine in the working point

DIMENSIONS (mm) WEIGHT (kg)

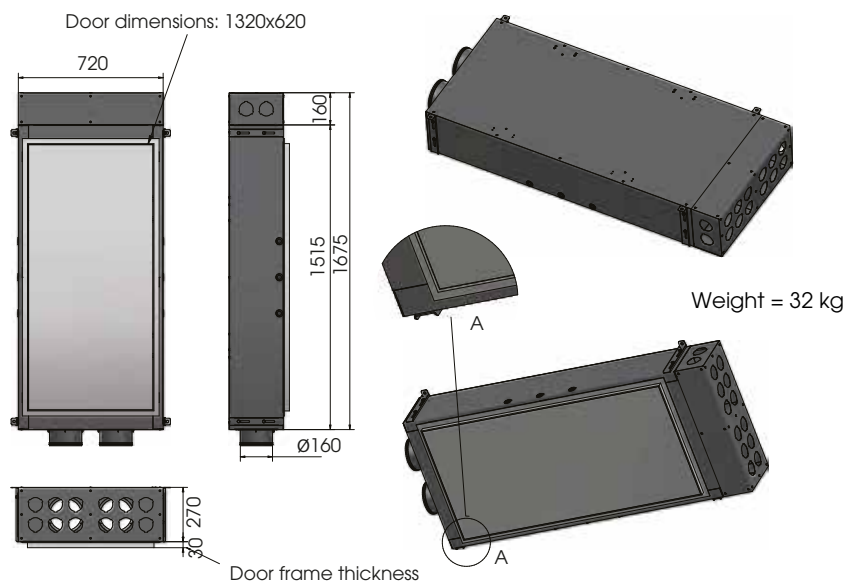
The case remains the same for both sizes





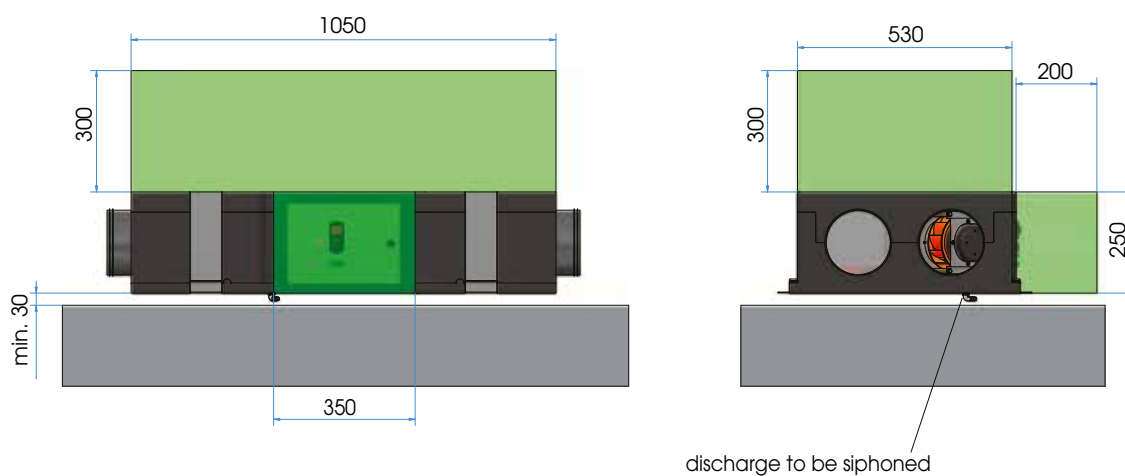
RECESSED FRAME (available as an accessory)

DIMENSIONS (mm) WEIGHT (kg)



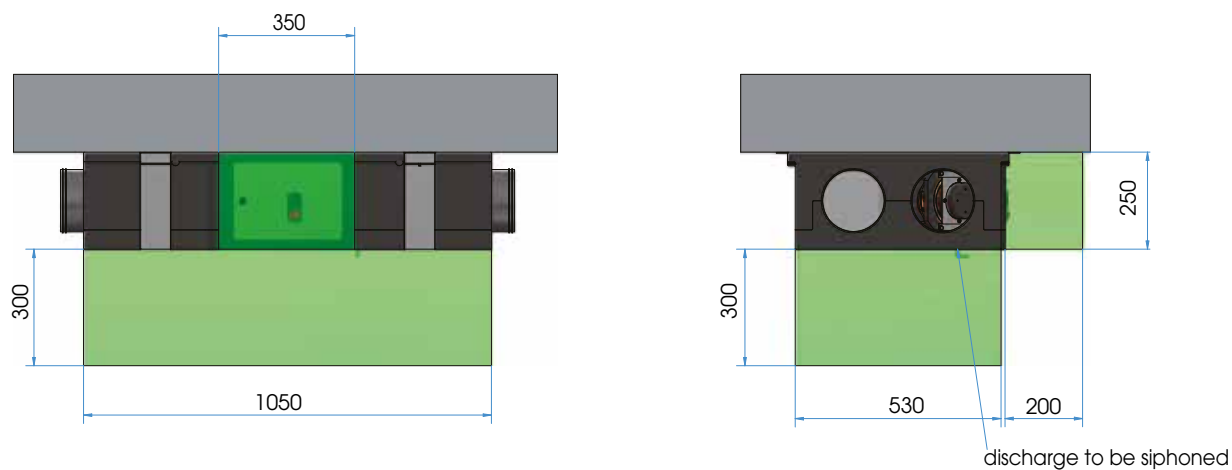
FLOOR INSTALLATION

Minimum required space for maintenance (mm)



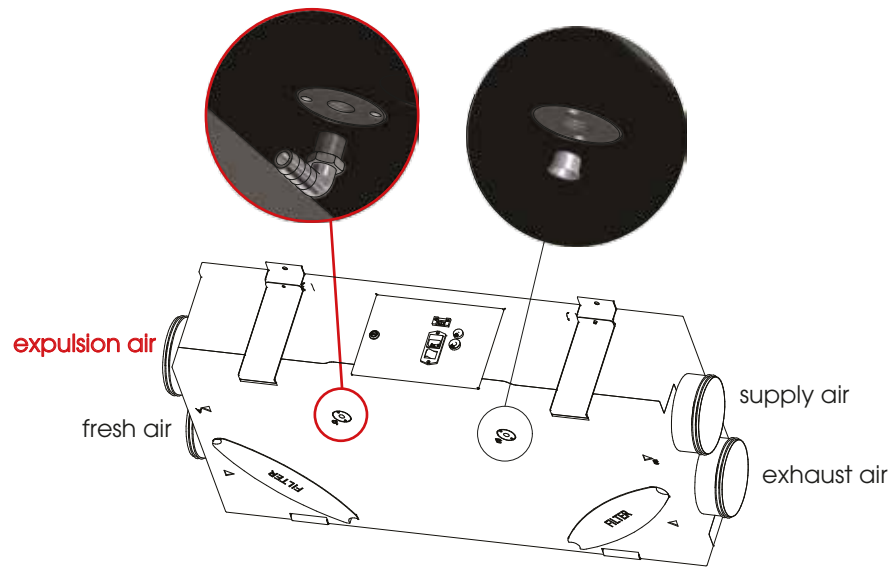
CEILING INSTALLATION

Minimum required space for maintenance (mm)





CONDENSATE DRAIN ASSEMBLY (90 ° bend with rubber holder supplied)



The condensate drain must be mounted near the EXPULSION; provide a siphon on the condensate drain circuit



A	Manufacturer's name C.L.A. S.r.l	
B	Manufacturer's model identifier	BREVA-H 2 EVO-LIGHT
C	Specific energy consumption (SEC) (kWh/m ² .a)	COLD -71.3
	TEMPERATE	-34.6
	WARM	-10.9
	SEC class	A
D	Declared typology	UVR - UVB
E	Type of drive installed	Variable speed
F	Type of heat recovery system	Recovery
G	Thermal efficiency of heat recovery (%)	83.6
H	Maximum flow rate (m ³ /s)	0.06
I	Electrical power input at maximum flow rate (W)	99
I	Sound power level (Lwa)(dB)	53
K	Reference flow rate (m ³ /s)	0.043
L	Reference pressure difference (Pa)	50
M	SPI (W/m ³ /h)	0.319
N	Control factor CLTR	0.95
	Control typology	Timer control (no DCV)
O	Declared maximum internal / external leakage rates (%)	9.1 / 10.4
P	Mixing rate of non-ducted bidirectional ventilation units (%)	-
Q	Position and description of visual filter warning for RVUs intended for use with filters, including text pointing out the importance of regular filter changes for performance and energy efficiency of the unit	The filter alarm is signaled on the Control System display: the intermittent "Dirty Filters" message will appear. "To maintain the energy efficiency of the UVR, it is recommended to replace the filters when reported." The writing is positioned near the filter inspection.
R	For unidirectional ventilation systems, instructions to install regulated supply/exhaust grilles in the façade for natural air supply/extraction	
S	Internet address for pre-/dis-assembly instructions	www.utek-air.it
T	For non-ducted units only: the airflow sensitivity to pressure variations at + 20 Pa and - 20 Pa	
U	For non-ducted units only: the indoor/outdoor air tightness	
V	The annual electricity consumption (AEC) (kWh/a)	405
W	The annual heating saved (AHS) for each type of climate (kWh/a)	1992 (WARM)
		8616 (COLD)
		4404 (TEMPERATE)

Dear Customer

Thanks for your attention to the product UTEK , designed and manufactured to ensure the real values to the User: Quality, Safety and Savings on working.



Made in Italy

**AZIENDA CON SISTEMA
DI GESTIONE QUALITÀ
CERTIFICATO DA DNV GL**
ISO 9001

**AZIENDA CON
SISTEMA DI GESTIONE
AMBIENTALE CERTIFICATO
DA DNV**
ISO 14001



the Dealer
BREVA-H_2021_2_EN



HEAT RECOVERY VENTILATION UNITS for RESIDENTIAL BUILDINGS