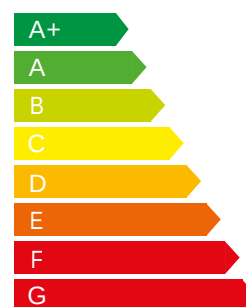


TECHNICAL DATA



UNIT	CONTROL	ENERGETIC CLASS
BREVA-TOP MINI	EVO-LIGHT	A
	EVO-LIGHT BMS	A



BREVA-TOP MINI



VENTILATION UNIT with HEAT RECOVERY for RESIDENTIAL BUILDINGS



BREVA-TOP MINI

Double flow residential ventilation unit with high efficiency heat recovery.

PERFORMANCE

Equipped with an aluminum counter-current heat exchanger. The backward curved electronic fans allow to reach a maximum flow rate of approximately: 178 m³/h at 100 Pa with a consumption of 84 Watt. The standard By-pass allows you to take advantage of favorable climatic conditions outside the building for automatic free cooling (or free heating).

STRUCTURE

BREVA-TOP MINI is made with a PPE structure, a material that ensures a high degree of thermal insulation towards the outside and between the air flows. Access to the filters ePM1 55% (ex F7) and ePM10 50% (ex G4) is particularly easy thanks to two special openings located on the inspection panel. BREVA-TOP MINI is designed to be installed on the ceiling or floor inside buildings with ambient temperatures between 0 ° C and 45 ° C.

CONTROLS

For quick installation, BREVA-TOP MINI is supplied complete with control system and connection to the electricity supply network; the version equipped with EVO-LIGHT 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

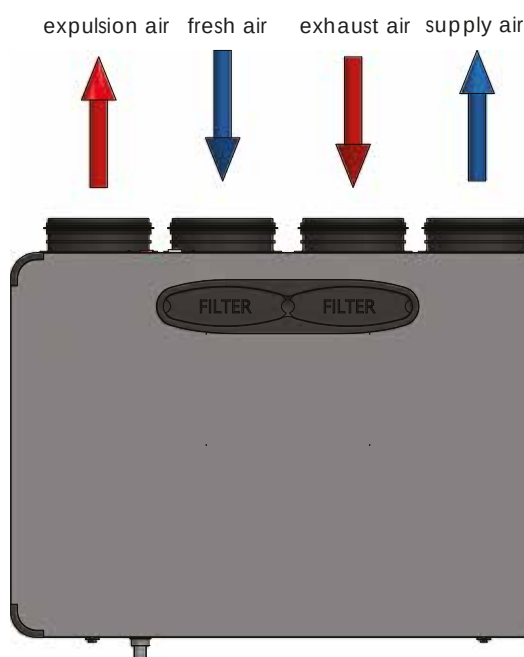
The EVO-LIGHT control has a backlit color touch screen interface, gives an intuitive view of the operating status of the machine, allows timely adjustment of the fan speed and has a weekly timer program for the automatic management of the fans. EVO-PH can be controlled by an external switch to activate 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 counterflow heat exchanger produced by RECUTECH; RECUTECH participates in the Eurovent certification program

STANDARD CONFIGURATION

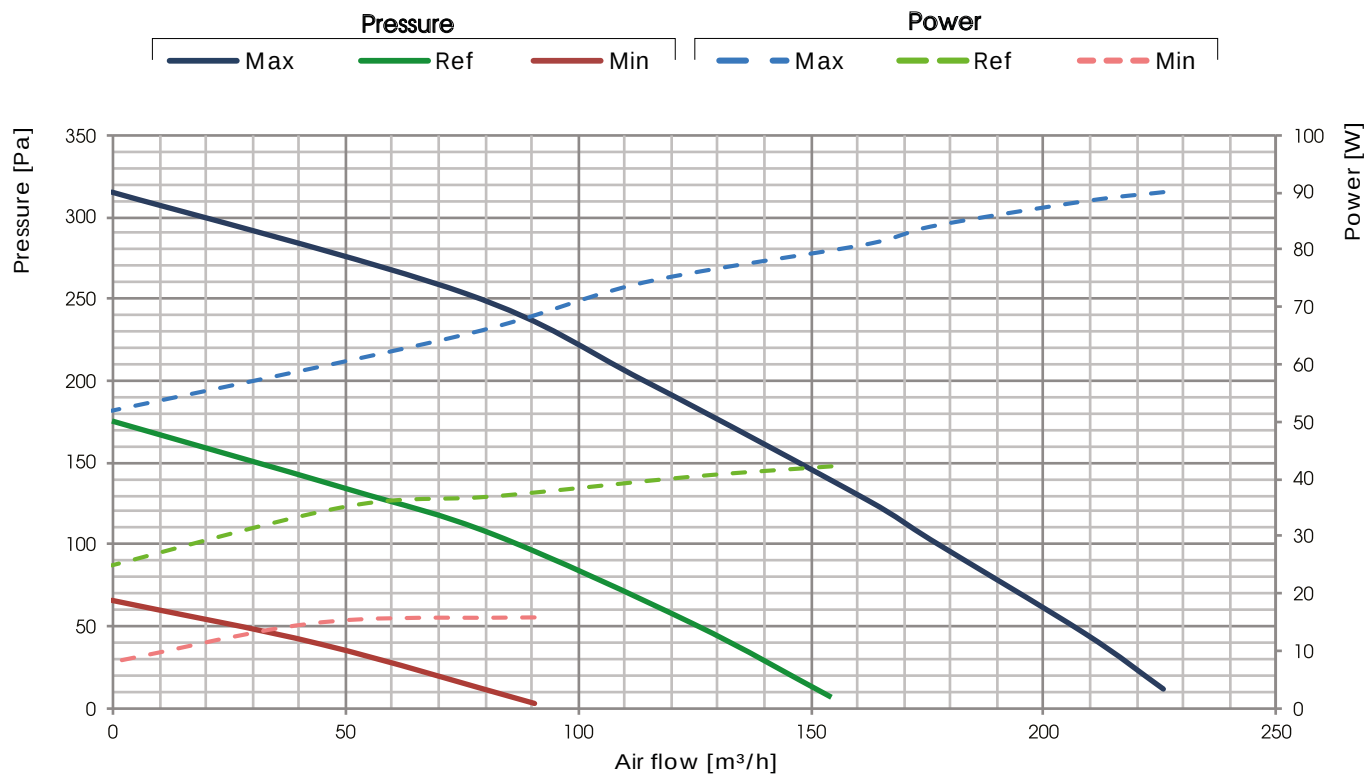




PERFORMANCES (UNI EN 13141-7)

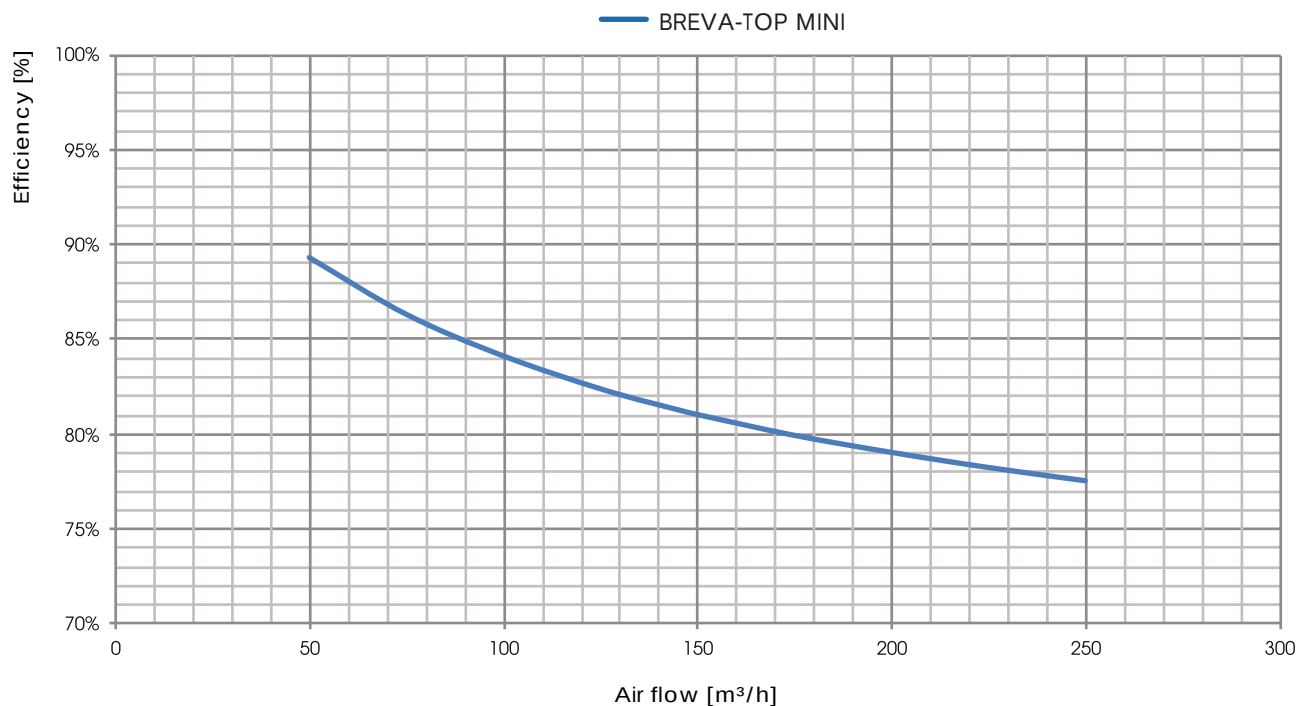
The unit must be ducted properly: UTEK authorizes the use only according to its performance diagram shown into this catalogue
The declared performances are with CLEAN filters and guaranteed ONLY with the original filters UTEK low pressure drop.

BREVA-TOP MINI



HEAT RECOVERY PERFORMANCE (sensible efficiency)

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





TEST LEAKAGE FLAT according UNI EN 13141-7

LEAKAGE	TEST CONDITIONS	BREVA-TOP MINI 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-TOP MINI	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	L _w dB(A)
MAX	59,7	65,1	59,2	49,0	40,5	36,4	31,1	59,9
REF	56,3	62,2	52,3	45,2	34,3	31,8	29,8	55,6

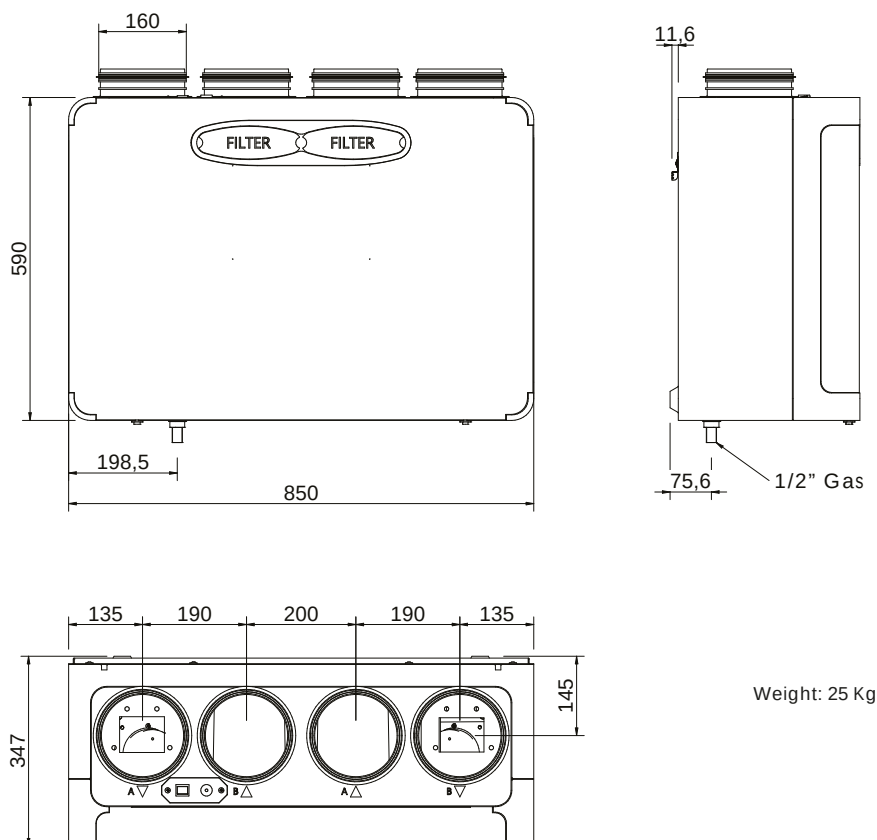
	NOISE IN THE DUCTS (dB)							
Unit BREVA-TOP MINI	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	L _w dB(A)
MAX	63,8	68,4	63,2	58,9	51,7	51,2	46,0	65,0
REF	59,5	65,9	55,5	51,8	43,8	41,8	36,7	59,7

ELECTRICAL DATA

UNIT	FAN				UNIT BREVA-TOP MINI	
	Power*[W]	Supply	Current max.[A]	Insulation class	Supply	Current max.[A]
BREVA-TOP MINI	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

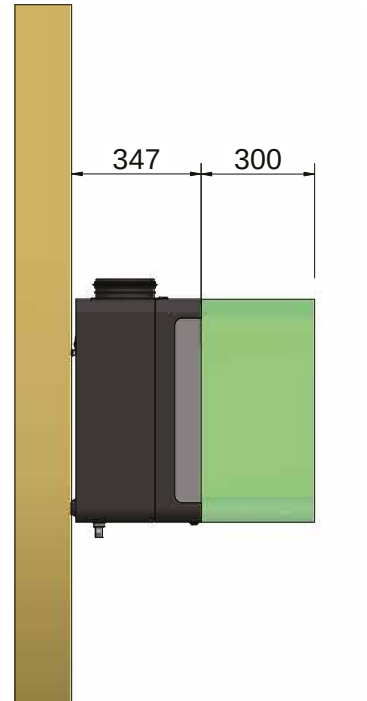
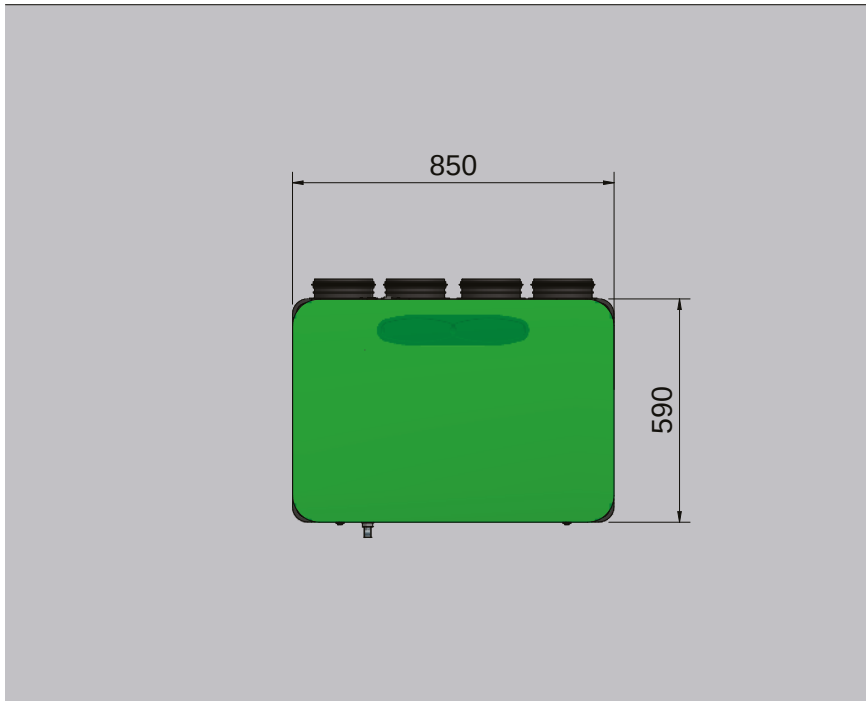
DIMENSIONS (mm) WEIGHT (kg)





WALL INSTALLATION

■ Minimum required space for maintenance [mm]





A	Manufacturer's name C.L.A. S.r.l	
B	Manufacturer's model identifier	BREVA-TOP MINI EVO
C	Specific energy consumption (SEC) COLD	-70,5
	TEMPERATE	-34,1
	WARM	-10,6
	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 [%]	82,3%
H	Maximum flow rate [m³/s]	0,049
I	Electrical power input at maximum flow rate [W]	84
I	Sound power level [Lwa][dB]	55,6
K	Reference flow rate [m³/s]	0,034958463
L	Reference pressure difference [Pa]	50
M	SPI [W/m³/h]	0,322
N	SPI [W/m³/h]	0,95
	Control typology	Timer control (no DCV)
O	Percentuali massime di trafilamento interno/esterno [%]	15,9 / 12,7
P	Declared maximum internal / external leakage rates [%]	-
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]	409
W	The annual heating saved (AHS) for each type of climate [kWh/a]	1974 (WARM)
		8539 (COLD)
		4365 (TEMPERATE)

Dear Customer

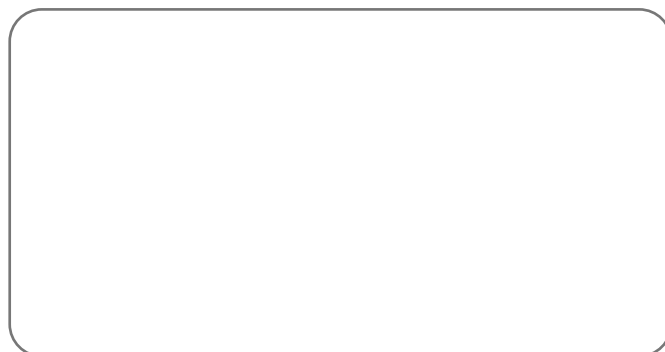
Thank you for your attention to the UTEK designed product
and created to guarantee the User real values:
Quality, Safety and Savings on consumption.



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-TOP MINI_2023_0_EN



VENTILATION UNIT with HEAT RECOVERY for RESIDENTIAL BUILDINGS