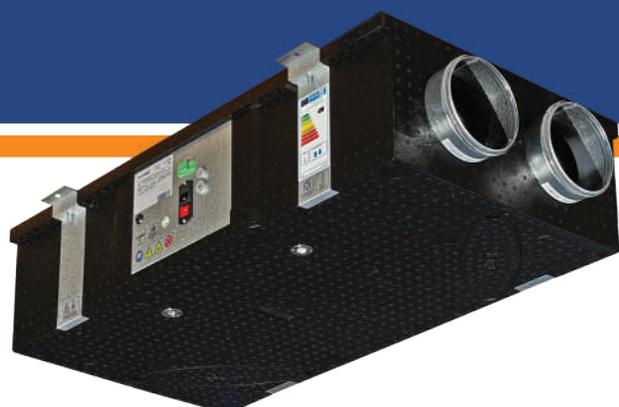


Energy-saving heat recovery ventilation unit



CATALOG
CARD

BREVA

BREVA-H
BREVA-TOP
BREVA-TOP MINI



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REKUPERATORY I WENTYLACJA

BREVA

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 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). EC backward curved centrifugal fans allow the BREVA-TOP to reach a maximum capacity of about: 267 m³/h a 100 Pa with 170 Watt power consumption. The reverse-blade electronic fans BREVA-TOP MINI allow reaching a maximum airflow of approximately 178 m³/h at 100 Pa with a consumption of 84 Watts.

STRUCTURE

BREVA-H 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 (ePM10 50% - 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

The BREVA units are equipped with an automatic EVO LT controller, provided complete with a color touchscreen display. The electronic controller allows for programming ventilation efficiency on a weekly cycle while retaining the option for manual control. Fan speed adjustment is smooth, allowing for performance regulation with precision up to 1%.

The automation system protects the heat exchanger from the risk of freezing by utilizing the heat contained in the air stream exhausted from the building. In the case of connecting an additional electric heater, the system allows for its activation as extra protection for the exchanger against freezing.

The system implements alarms to remind about the necessity of filter replacement. The color control panel is supplied with a mounting box, enabling wall installation for suspended recuperators and mounting on the device housing for wall-hung or TOP versions.

A very large heat exchanger, unprecedented in this class of devices, ensures efficient heat recovery, as evidenced by the obtained energy class A for the device equipped with an indoor air quality sensor.

BREVA-H 200

CONFIGURATIONS - FLOOR INSTALLATION

STANDARD



MIRROR



CONFIGURATIONS - CEILING INSTALLATION

STANDARD

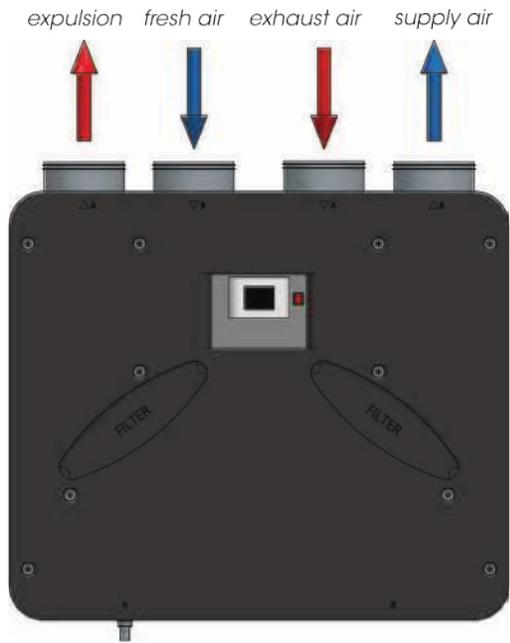


MIRROR

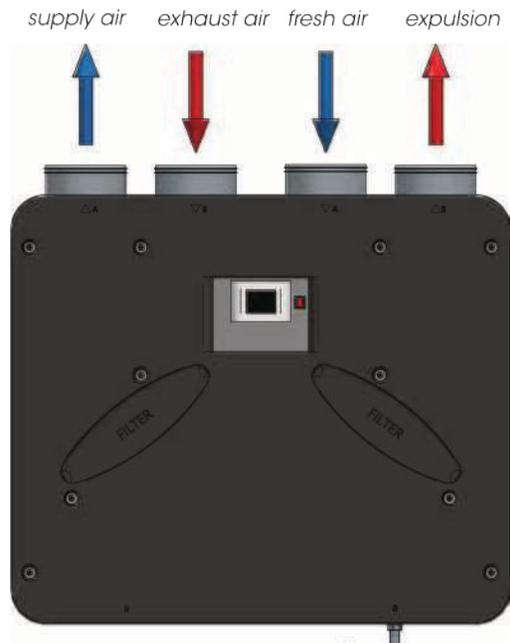


BREVA-TOP

STANDARD CONFIGURATION

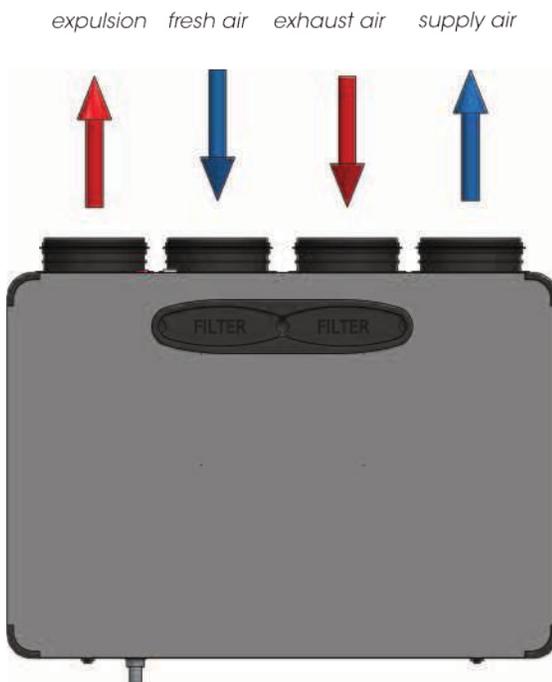


MIRRORED CONFIGURATION

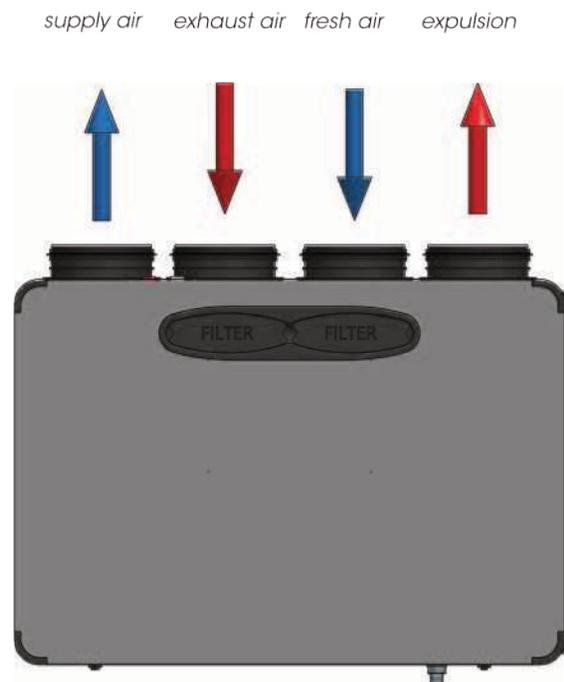


BREVA-TOP MINI

STANDARD CONFIGURATION

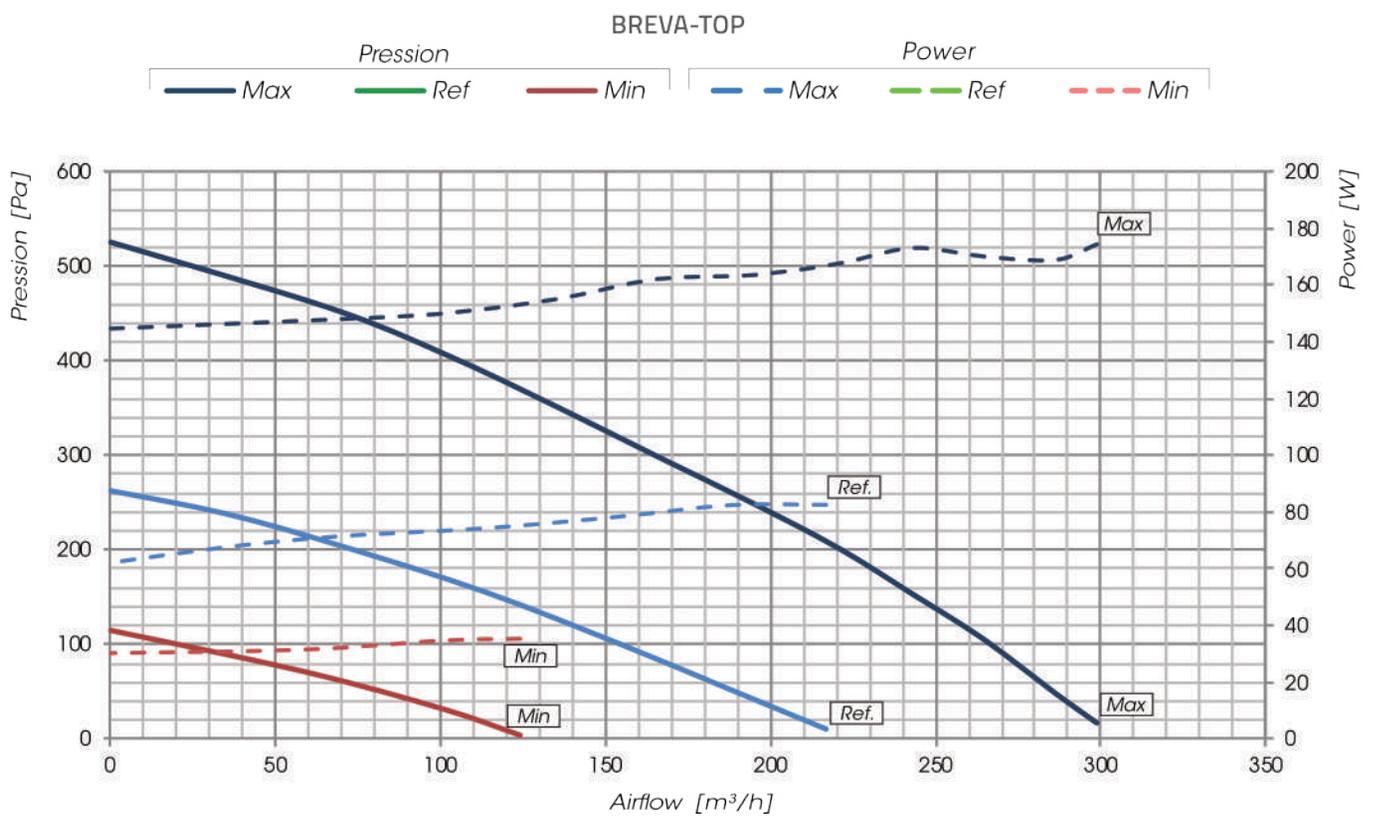
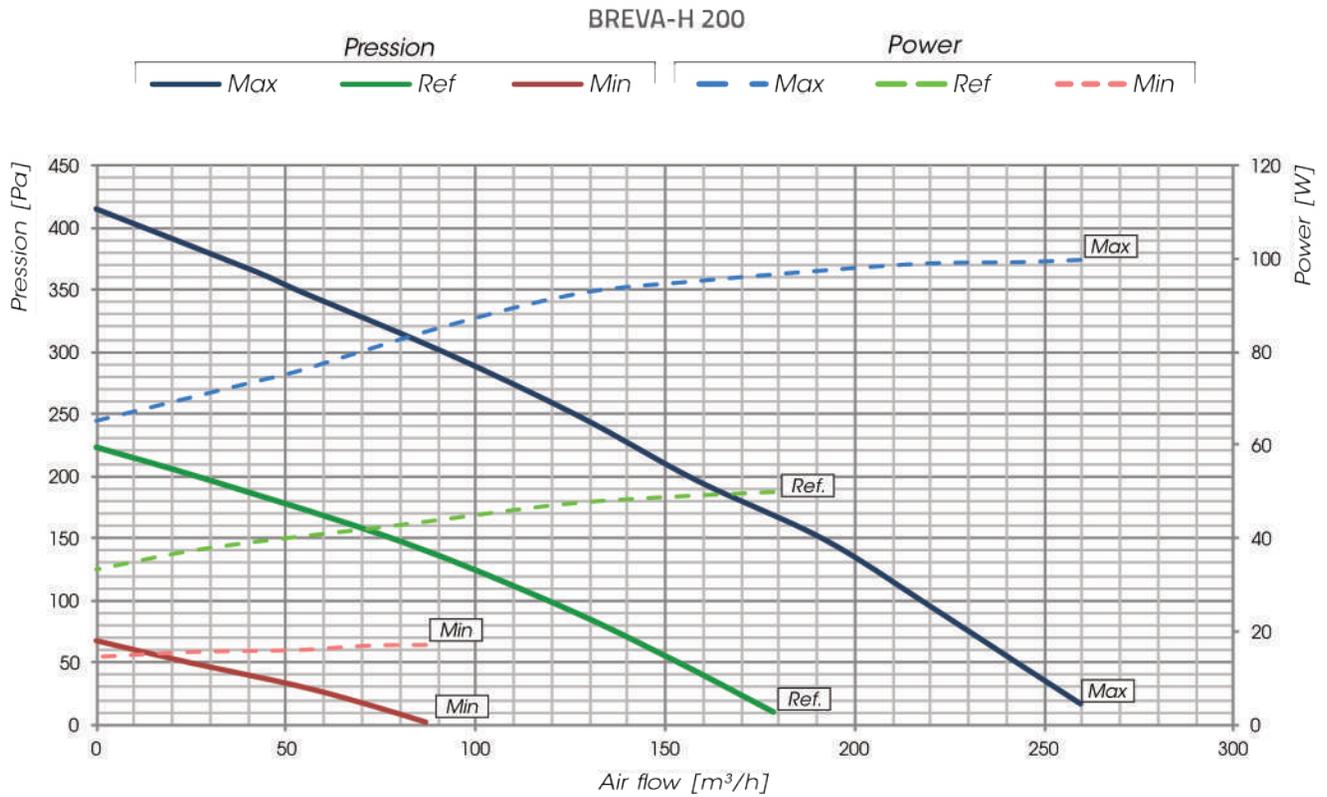


MIRRORED CONFIGURATION



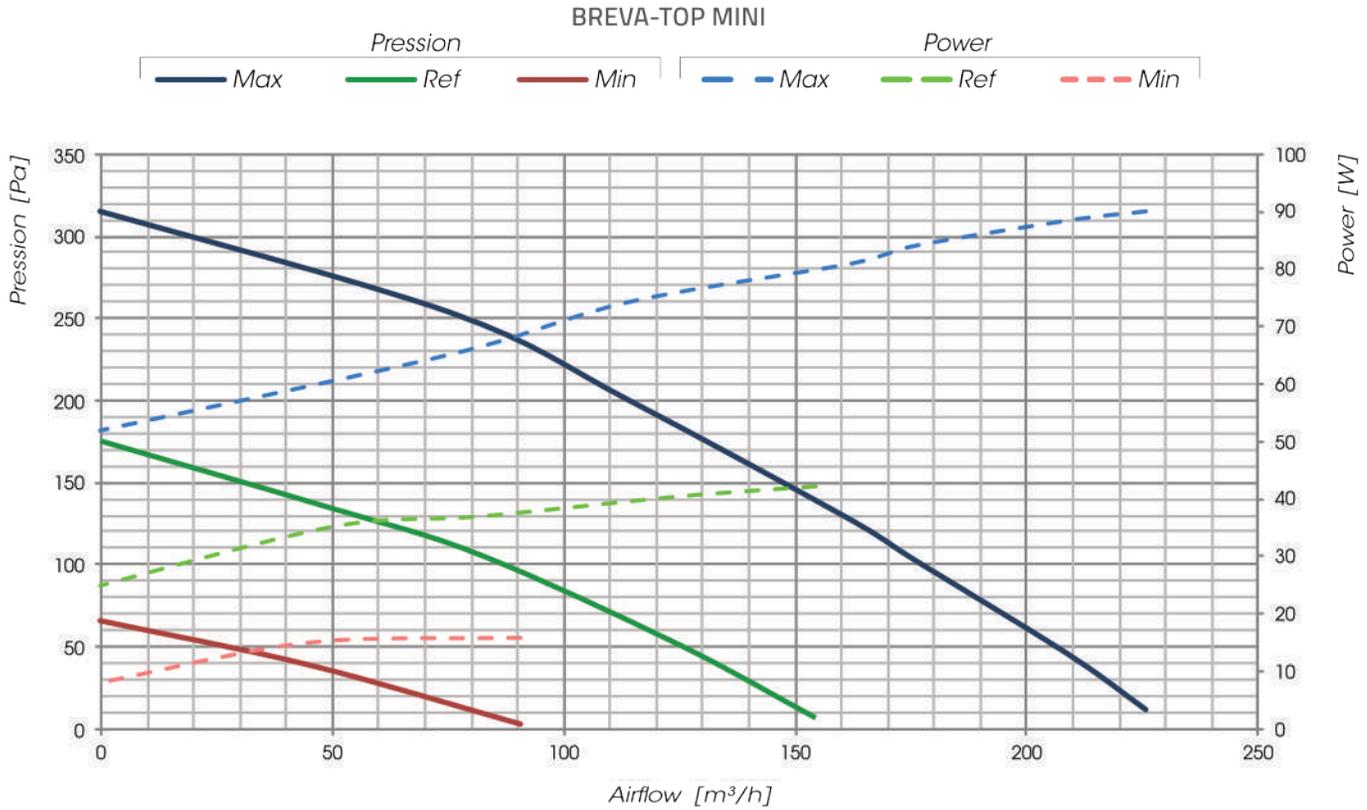
PERFORMANCES (UNI EN 13141-7)

The device must be correctly routed: use is only allowed in accordance with the operating diagram presented in this catalogue. The declared parameters apply to CLEAN filters and are ONLY guaranteed when using original filters. Low pressure drop.

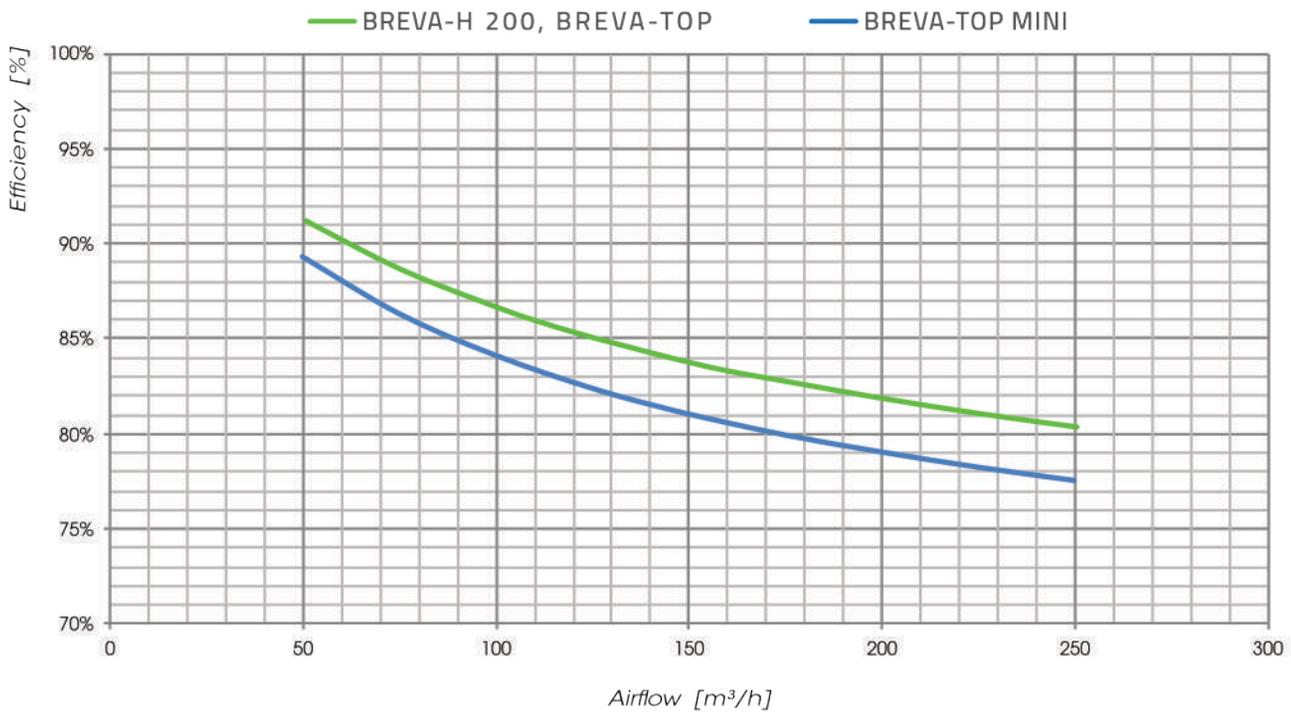


PERFORMANCES (UNI EN 13141-7)

The device must be correctly routed: use is only allowed in accordance with the operating diagram presented in this catalogue. The declared parameters apply to CLEAN filters and are ONLY guaranteed when using original filters. Low pressure drop.



HEAT RECOVERY PERFORMANCE (sensible efficiency)



ELECTRICAL DATA

UNIT	FAN				BREVA UNIT	
	POWER*(W)	SUPPLY	CURRENT MAX. (A)	INSULATION CLASS	SUPPLY	CURRENT MAX. (A)
BREVA-H 200	2 X 50	230 V, 50/60 Hz 1F	2 X 0,46	IP 44 class B	230 V, 50 Hz 1F	1,1
BREVA-TOP	2 X 85	230 V, 50/60 Hz 1F	2 X 0,75	IP 54 class B	230 V, 50 Hz 1F	1,6
BREVA-TOP MINI	2 X 50	230 V, 50/60 Hz 1F	2 X 0,75	IP 54 class B	230 V, 50 Hz 1F	1,6

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

NOISE LEVEL

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

NOISE FROM THE CASE (dB)

	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Lw dB(A)
BREVA-H 2								
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
BREVA TOP								
MAX	51,5	61,4	63,3	56,2	47,2	41,1	42,5	62,4
REF	48,7	59,2	53,5	50,0	41,4	36,1	38,7	55,5
BREVA TOP MINI								
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)

	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Lw dB(A)
BREVA-H 2								
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
BREVA TOP								
MAX	57,2	68,1	69,8	62,0	54,5	53,3	56,1	69,1
REF	54,1	64,5	59,8	56,9	47,8	43,4	47,1	61,7
BREVA TOP MINI								
MAX	63,8	68,4	63,2	58,9	51,7	51,2	46,0	65,0
REF	59,6	65,9	55,5	51,8	43,8	41,8	36,7	59,7

TECHNICAL DATA

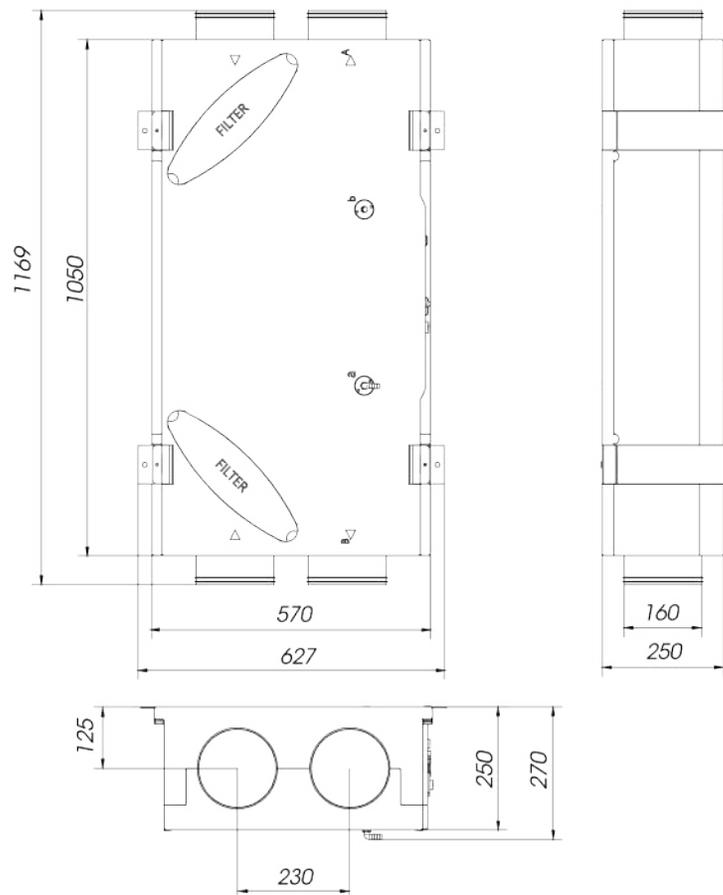
		BREVA-H 200	BREVA-TOP	BREVA-TOP MINI
Specific energy consumption (SEC) [kWh/m ² .a]	COLD	-71,3	-67,4	-70,5
	TEMPERATE	-34,6	-30,9	-34,1
	WARM	-10,9	-7,4	-10,6
SEC class		A	B	A
Declared typology		UVR - UVB	UVR - UVB	UVR - UVB
Type of drive installed		Variable speed	Variable speed	Variable speed
Type of heat recovery system		Recovery	Recovery	Recovery
Thermal efficiency of heat recovery [%]		83,6	82,6	82,3
Maximum flow rate [m ³ /s]		0,06	0,074	0,049
Electrical power input at maximum flow rate [W]		99	170	84
Sound power level [Lwa][dB]		53	55,5	55,6
Reference flow rate [m ³ /s]		0,043	0,052	0,034958463
Reference pressure difference [Pa]		50	50	50
SPI [W/M ³ /H]		0,319	0,437	0,322
Weigt [kg]		15	22	25

BREVA ENERGETIC CLASS

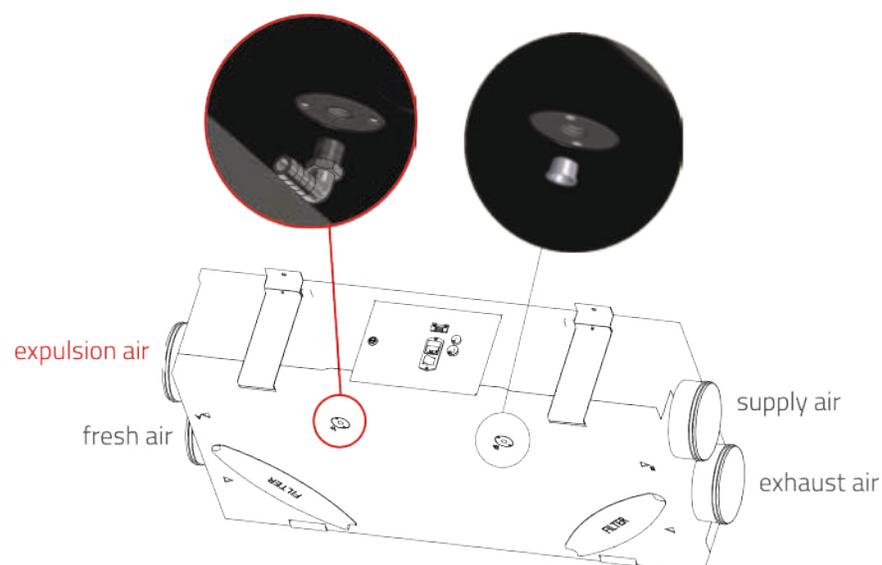
UNIT	ENERGETIC CLASS
BREVA H 200	A
BREVA TOP	A
BREVA TOP MINI	A



DIMENSIONS (mm) BREVA-H 200



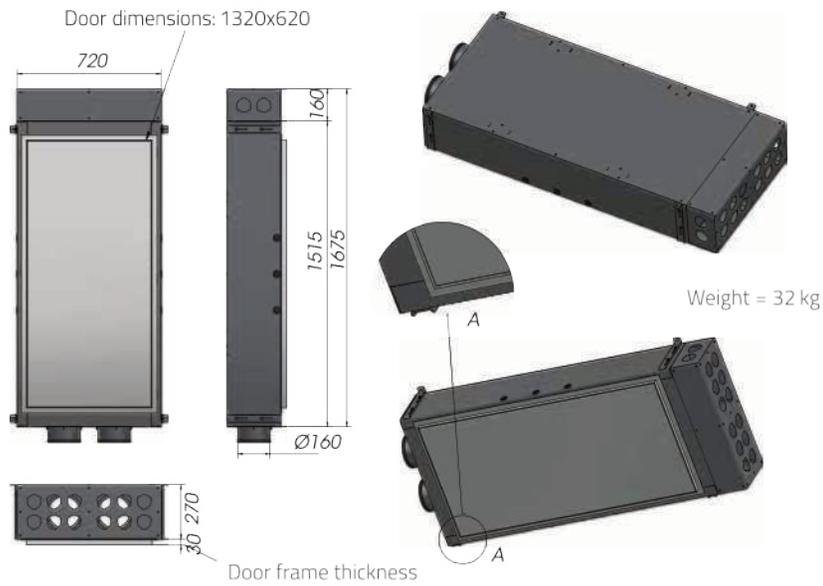
CONDENSATE DRAIN ASSEMBLY (90° bend with rubber holder supplied)



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

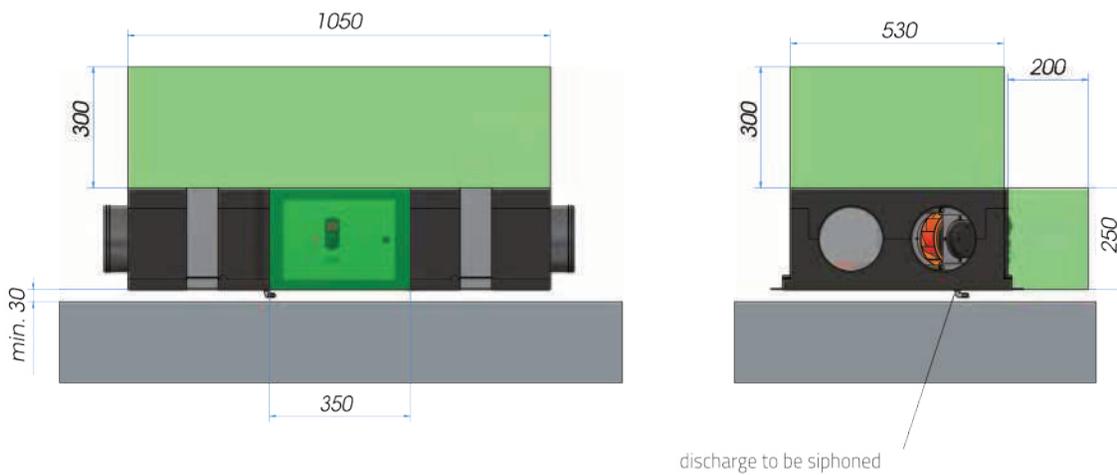
RECESSED FRAME (available as an accessory)

DIMENSIONS (mm) WEIGHT (kg)



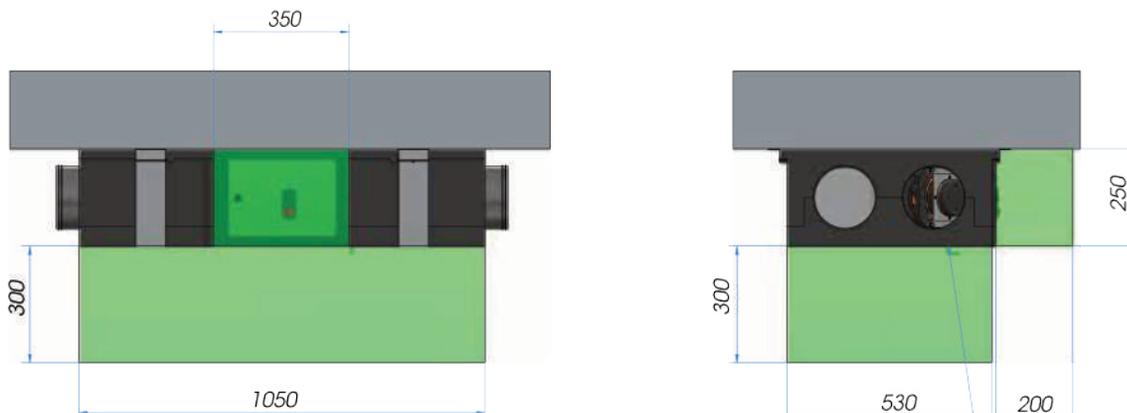
FLOOR INSTALLATION

Minimum required space for maintenance [mm]



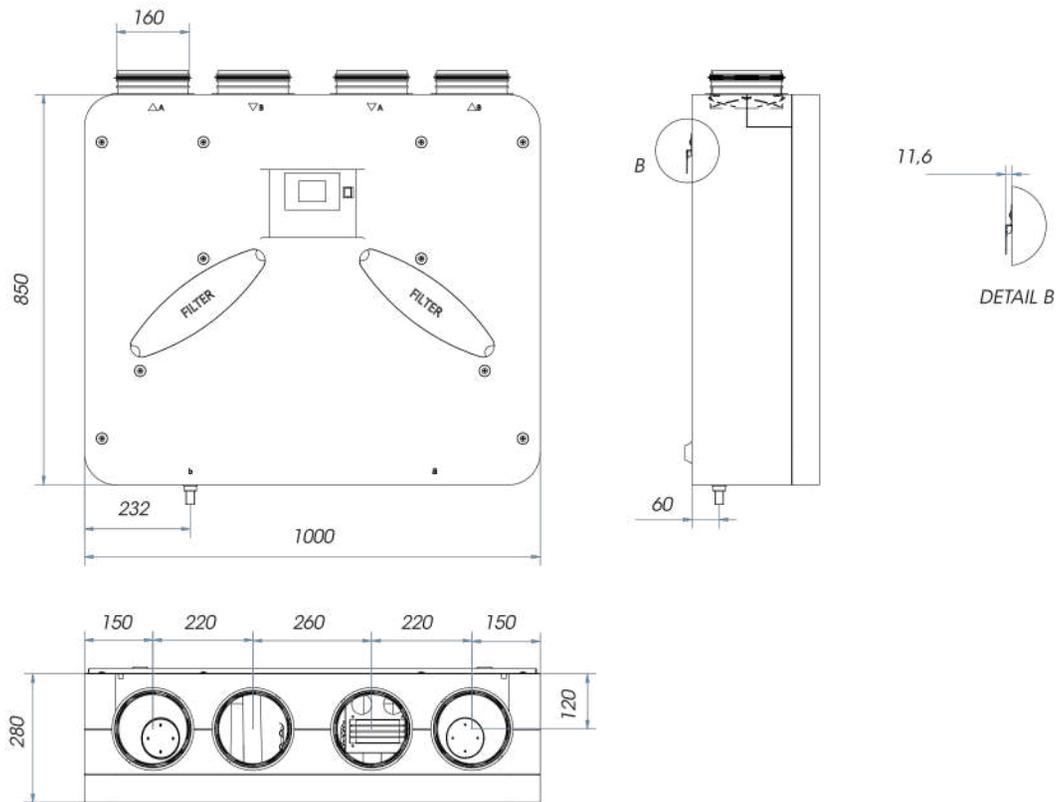
CEILING INSTALLATION

Minimum required space for maintenance [mm]



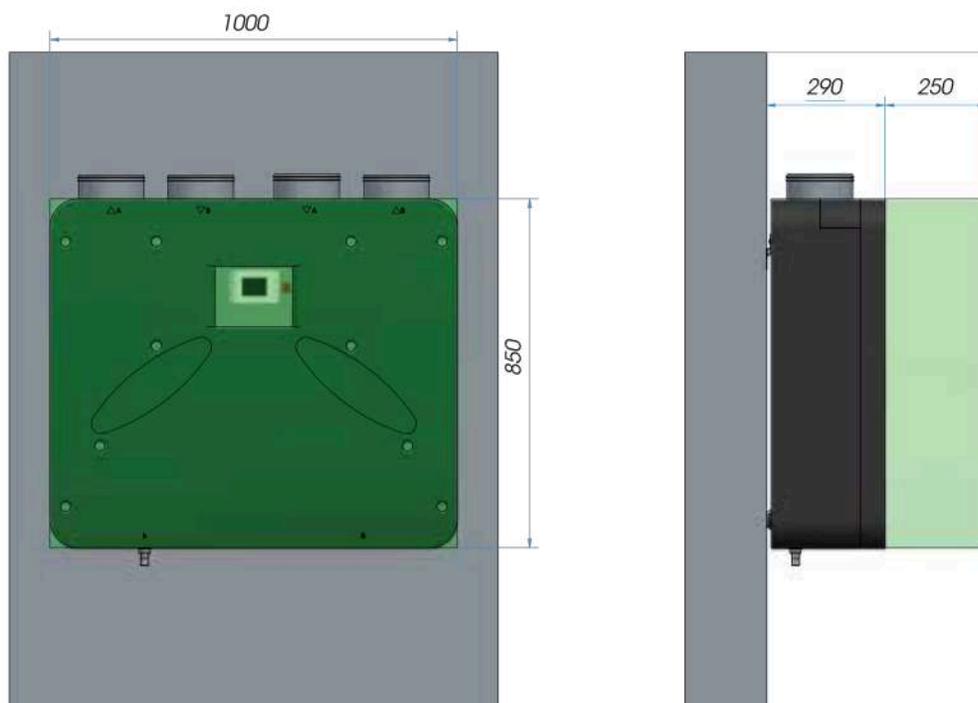
BREVA

DIMENSIONS (mm) BREVA TOP

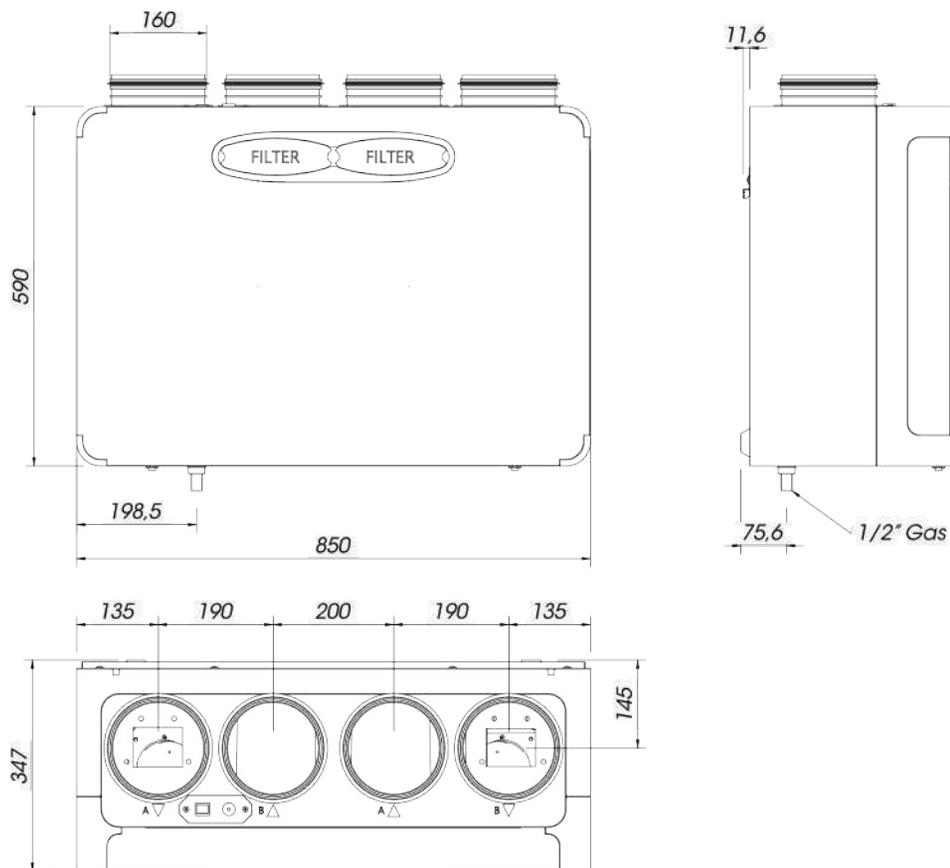


WALL INSTALLATION BREVA TOP

Minimum required space for maintenance [mm]

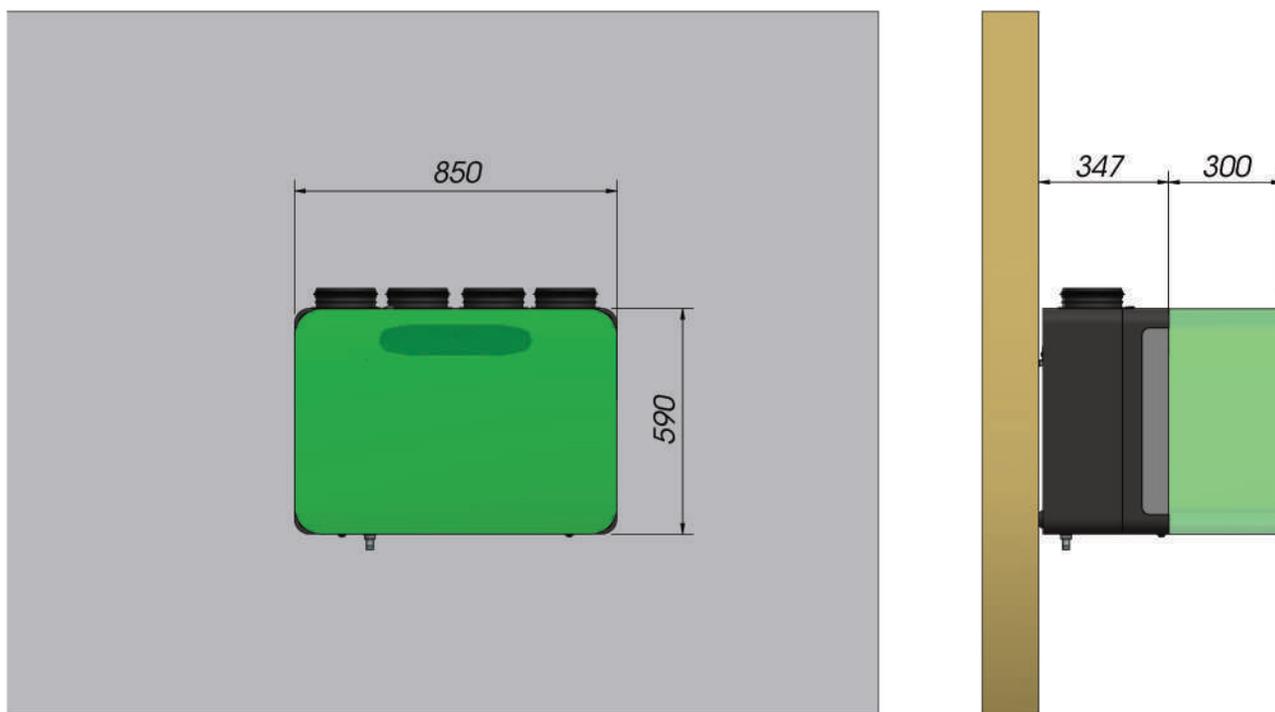


DIMENSIONS (mm) BREVA TOP MINI



WALL INSTALLATION BREVA TOP MINI

■ Minimum required space for maintenance [mm]



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REKUPERATORY I WENTYLACJA

- Complete ventilation system for single-family houses
- Use of the highest quality components
- Guaranteed energy savings

The information contained in this data sheet contains only general descriptions or features of the product, which may change as a result of further product development.



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