



DiEM

The Art of Ventilation

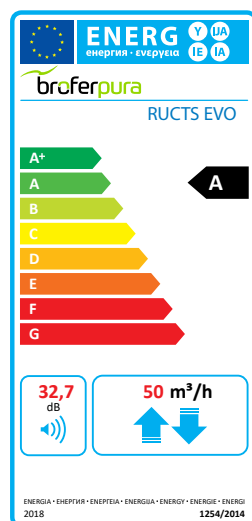


Characteristics

Single room heat recovery unit with reversible flow complete with ceramic type heat exchanger beyond the 97% efficiency. Highly silent. No need for condensate drain. EC motor on ball bearings with reduced consumption and long life operating. Hi-thickness G3 efficiency filter. Optional filter F7 efficiency. Speed control with integrated humidity probe. Adjustable operating mode by display controller or APP.

Operating

RUCTS in 75 seconds extracts the hot, stale air in the room to the outside. During the passage through the duct, the air releases its thermal energy which is accumulated by the ceramic exchanger: at the end of this phase the fan reverses the direction of rotation and starts the supply phase for another 75 seconds. The cold external air, passing through the hot exchanger, recovers thermal energy and is introduced into the environment at a more comfortable temperature. This allows for important energy savings as it prevents the heating system from operating at maximum intensity as would happen in the case of air exchange by opening the windows.

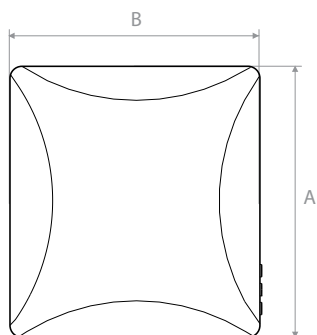


Specifications

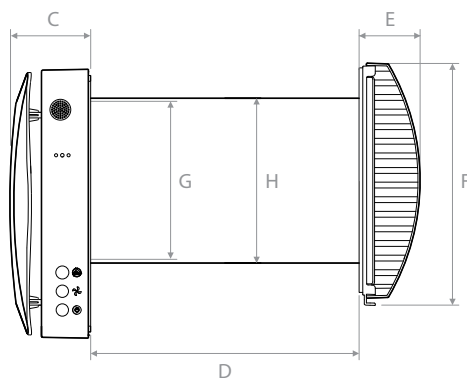
Voltage	100 ... 240 V AC / 50-60 Hz		
Power [W]	6	7	7,8
Current [A]	0,04	0,05	0,06
Air flow in regeneration mode (with F7 filter) [m³/h]	20 / 11,8	40 / 23,5	50 / 29,4
Boost mode max air flow rate (with F7 filter) [m³/h]	60 / 35,3		
Sound pressure level at 1 m distance [dBA]	32,7		
Efficiency	Up to 97 %		
SEC	Class A		
Operating air temperature [°C]	-20 ... +50		
Ingress Protection Rating	IPX4		
RPM	2200 (max)		
Diameter of duct [mm]	158		
Type of installation	Wall mounting		
Net weight [kg]	4,2		
Filters (standard) efficiency G3			
F7 efficiency filter (optional)			

Drawings

Front view



Side view



	A	B	C	D	E	F	G	H
mm	263	259	78	280 ... 470	58	232	Ø 151	Ø 158

Product characteristics

MAGNETICALLY CONNECT



BUILT-IN AUTO DAMPER

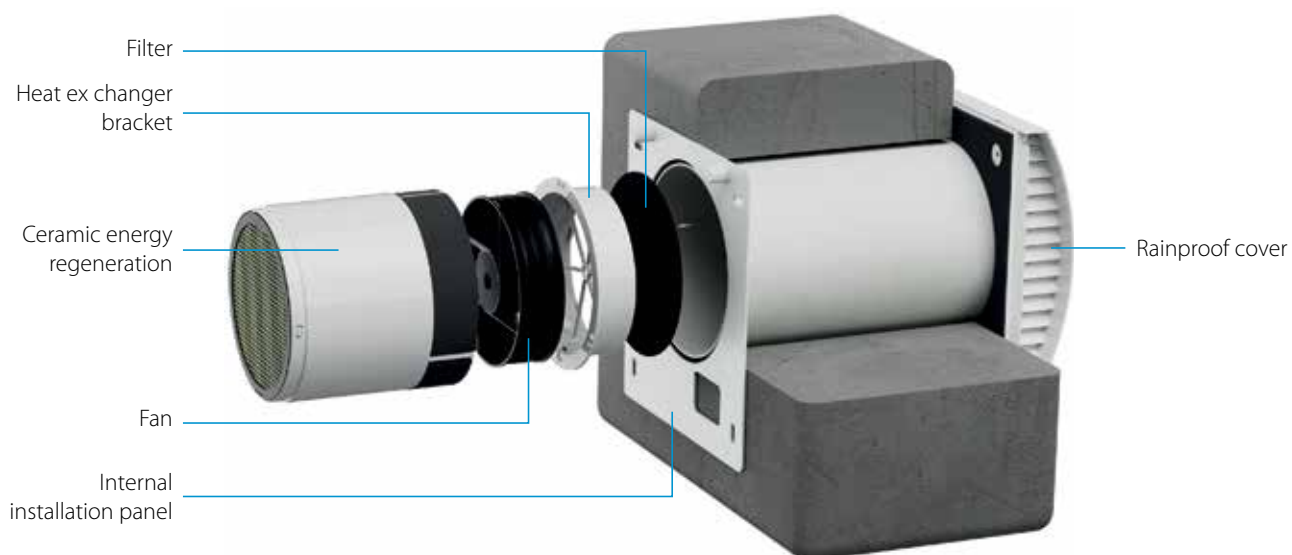


The specially designed indoor unit can be magnetically connected to ensure maximum air tightness and protection against wind. Built.in auto shutter prevents air back draught.

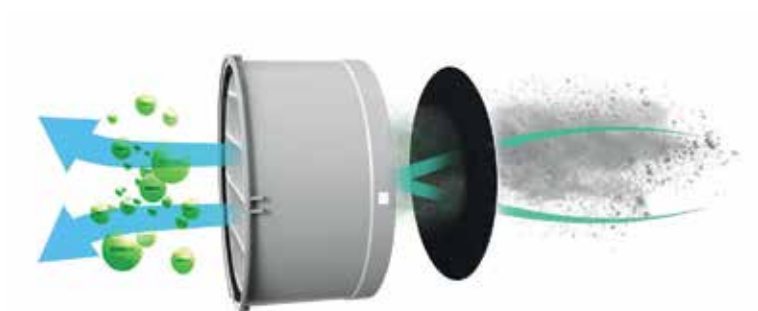
REVERSIBLE DC FAN

The reversible axial fan is with EC technology. The fan is characterised by low power consumption and silent operation. The fan motor has built-in thermal protection and ball bearing for long life.

MAIN COMPONENTS

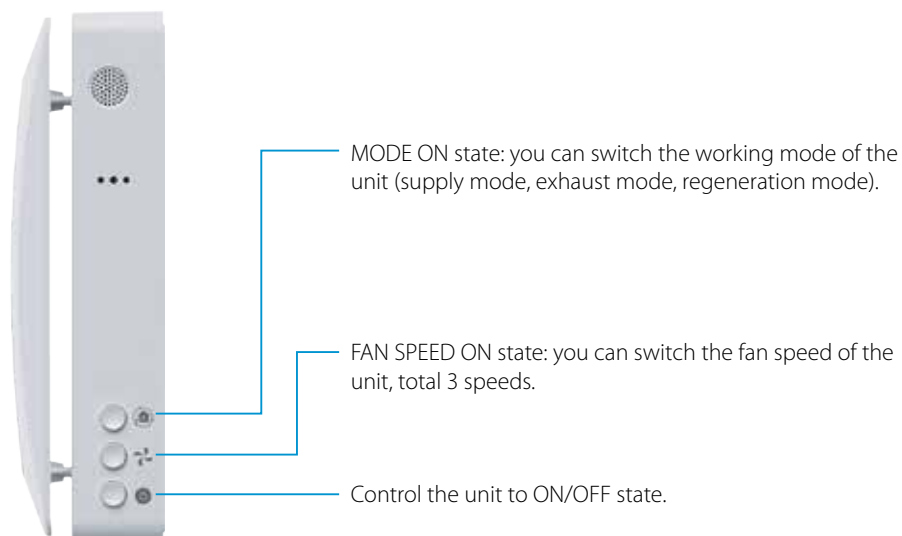


AIR FILTERS

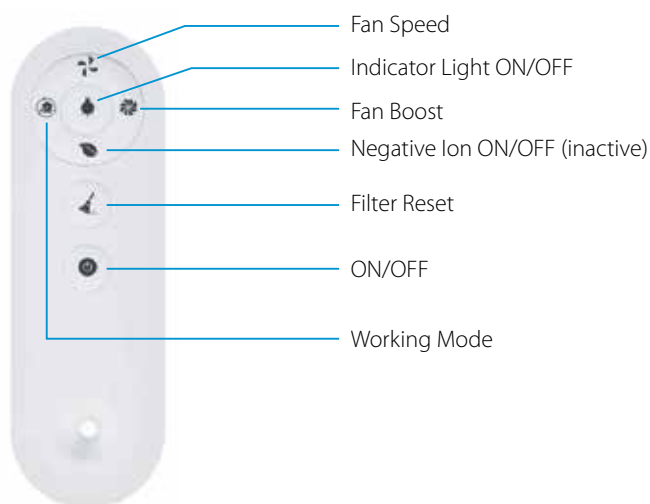


Easy control

BUTTONS



REMOTE CONTROL



- Using radio signal for communication.
- Longer distances communication up to 15 m without barrier.
- Working mode selection.

WIFI FUNCTION



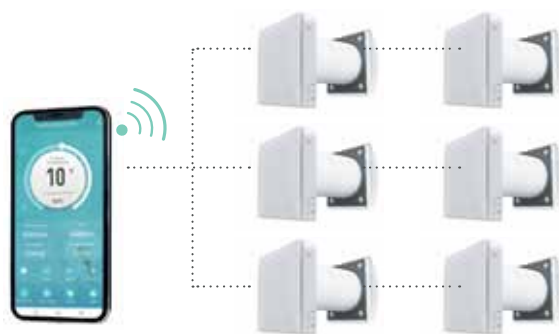
- On/off switch
- Fan speed selection
- Working mode selection
- Pairing status of the unit to the device
- Outdoor temperature display
- Filter alarm
- Free-Cooling function
- 12 hrs timer setting
- Indicator lights ON/OFF
- Weekly schedule
- Fan boost function
- Control of multiple units (group control)
- Smart control according to local weather
- Optional humidity control

SCENE CONTROL

User can create scene(s) according to the weather changes by using AI, schedule or the device status changes. For example, when the weather shows the outdoor relative humidity is higher than 85 %, user can set the ventilator to stop or run at exhaust mode, to prevent the outdoor humidity coming inside. The unit will run according to the setting automatically.



GROUP CONTROL



The ventilator can create group control at the APP, the quantity is not limited. User can control all the ventilators in the group easily.



PRICES

Model	€
RUCTS EVO	449,00
KFIRUCTS EVO	
F7RUCTS EVO	

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