

GHOST

CONTROLLED MECHANICAL
VENTILATION UNIT



COMPACT

EASY TO
INSTALL

EFFICIENT

 SOERRE

DECENTRALIZED HEAT RECOVERY UNIT ALTERNATE FLOW

GHOST is the perfect solution to grant a proper mechanical ventilation in homes and business premises, in case of renovations and in all situations where a ducted system cannot be used due to space reasons.

Ghost is easy to install and has a modern and sleek design. This means that the fan can blend seamlessly into any environment. It can be quickly installed on 160mm ducting. The airflow covers 60 m³/h both for air extraction and intake, thus ensuring an adequate ventilation also in high-sized rooms.

The alternate flow system ensures an indoor constant air quality.

1 MAINTENANCE easy and fast

No terminal board affected when removing the ventilation unit.

3 MORE SILENT

- External grille designed to guarantee a better airflow and to reduce the outside noise.
- Motor housing inside the wall behind the heat exchanger.

2 MORE EFFICIENT

Longer heat exchanger 150mm ensuring higher efficiency

BASE

- ON/OFF and 2 speed switch, possible to control by remote (wall switch not supplied).

ACTIVE

Wire connection between the units:

- display remote control
- integrated humidity and twilight sensors which allow several automatic functioning modes (see remote control)
- Up to 16 units communicating in sequence in the same system in master/slave mode, through easy dip switches configuration
- 3 adjustable speeds (plus night version)

WIRELESS

Wireless connection between the units:

- telecomando con display
- integrated humidity and twilight sensors which allow several automatic functioning modes (see remote control)
- up to 16 units communicating in sequence in the same system in master/slave mode, through easy dip switches configuration
- 3 adjustable speeds (plus night version)

DISPLAY REMOTE CONTROL

SURVEILLANCE MODE



The product remains in sleep mode keeping the sensors active. In case the humidity level detected in the environment is higher than the preset one, the product will automatically start running until reset values.

AIRFLOW SPEED

3 Speed levels: 60 m³/h

45 m³/h

30 m³/h

AUTO MODE

Automatic operation with heat recovery through humidity and twilight sensors.

AUTO

CONTROL HUMIDITY

90%

60%

40%

MANUAL

MANUAL MODE

Running mode with heat recovery at the manually set speed (the sensors excluded)

AUTO



MANUAL



MODE



NIGHT FUNCTION

It allows to minimise the flow rate and the noise during the night.



BOOST FUNCTION

It allows the air extraction at the maximum speed for a certain time.



FLOW FUNCTION

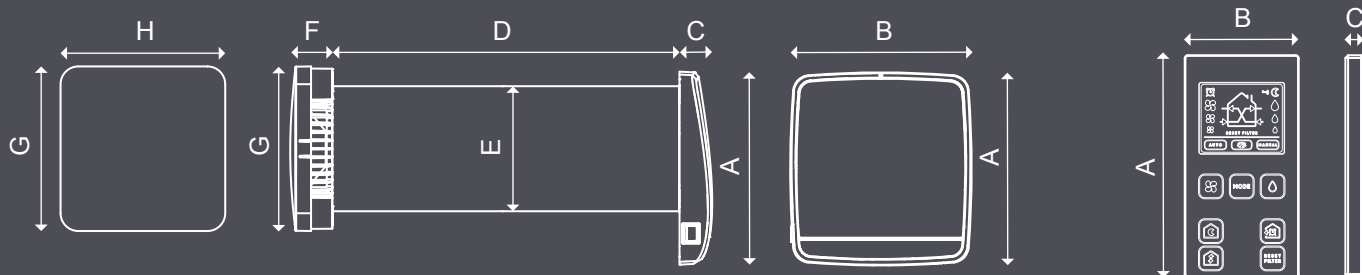
It allows to select the direction of the air flow.

FILTER RESET

After 3000 hours operations the unit requires ordinary maintenance (filter cleaning). Through the same button, after completing the maintenance, the normal operation can be restored.



DIMENSIONS



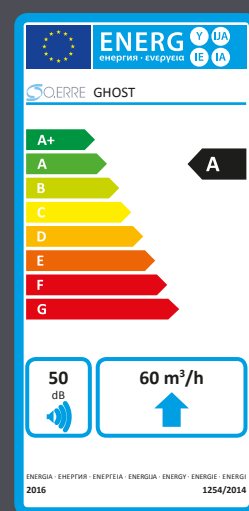
MODEL	A	B	C	D	E	F	G	H
GHOST	250	233	40	500	Ø160	48	212	212

A	B	C
106	54	9



- Motor housing placed inside the wall behind the heat exchanger to make the product highly silent.
- High efficiency heat exchanger (up to 93%) made of ceramic material.
- Made of long life, high quality finest materials, with elegant design.
- Front cover in ABS.
- Tilting opening system of the front panel to prevent ingress of air when the fan is OFF.
- External grille made of ABS specifically designed to reduce the outside noise.
- Standard duct lenght 500mm. 700mm lenght available on request
- 250mm minimum wall depth - 3mt maximum wall depth (2,5mt in case of 90° curve)
- DC ball bearing motorimpeller, long life and low energy consumption.
- Easy cleaning and maintenance.
- Double dust filter, washable and easy to access
- IPX4 protection degree.
- Led indicator for functions and filter cleaning.
- Humidity and twilight sensors (active and wireless versions)
- The last set function is saved and automatically restored in case of interruption of the power supply.
- Caps for pipe in case of future installation in the construction site.
- No condensation drainage required

• **FIXING:** wall



CE IPX4

TECHNICAL DATA

Model	Code	Ø Hole (mm)	Voltage (Volt)	Frequency (Hz)	Flow rate "IN" (m³/h)	Flow rate "OUT" (m³/h)	Pressure (mmH ₂ O)	Pressure (Pa)	Power (W)	Sound level dB(A) _{3m}	Weight (Kg)
GHOST 160 BASIC	0010530	160	220-240	50	60	60	3,7	36	9	30	5
GHOST 160 ACTIVE	0010540	160	220-240	50	60	60	3,7	36	9	30	5
GHOST 160 WIRELESS	0010550	160	220-240	50	60	60	3,7	36	9	30	5

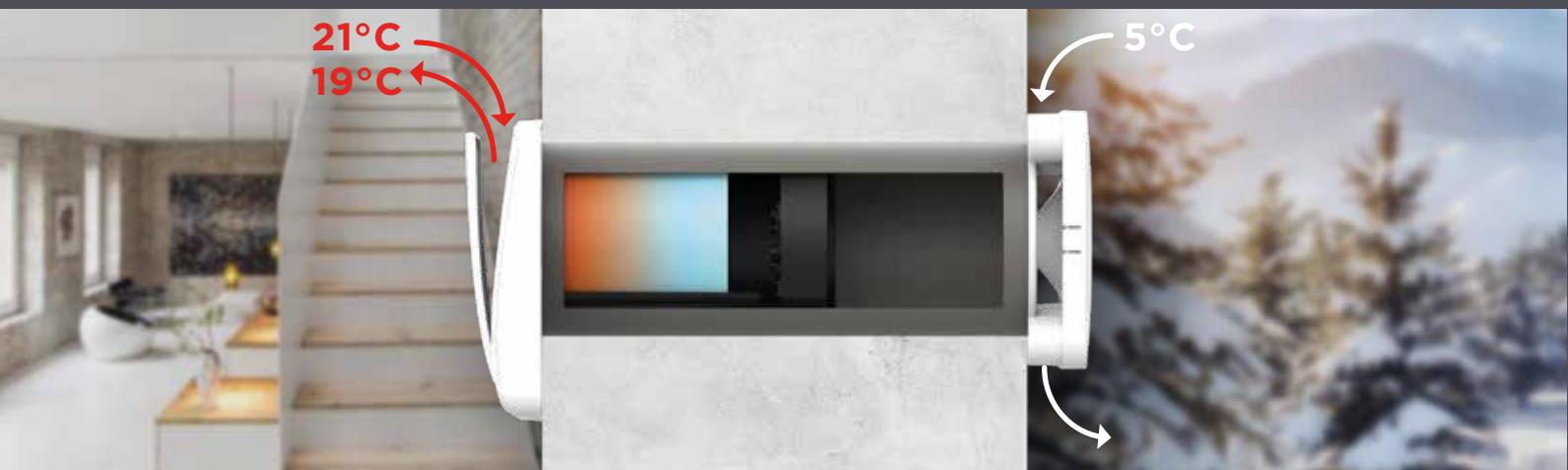
Model	Code
TC GHOST	0010560

PERFORMANCE

Model	Night speed			Speed 1			Speed 2			Speed 3		
	Flow rate (m³/h)	Power (W)	Sound level dB(A) _{3m}	Flow rate (m³/h)	Power (W)	Sound level dB(A) _{3m}	Flow rate (m³/h)	Power (W)	Sound level dB(A) _{3m}	Flow rate (m³/h)	Power (W)	Sound level dB(A) _{3m}
GHOST 160 BASIC	-	-	-	30	4,5	25	-	-	-	60	9,0	30
GHOST 160 ACTIVE	15	2,9	20	30	4,5	25	45	7,5	28	60	9,0	30
GHOST 160 WIRELESS	15	2,9	20	30	4,5	25	45	7,5	28	60	9,0	30

INDOOR +21°C

OUTDOOR 5°C

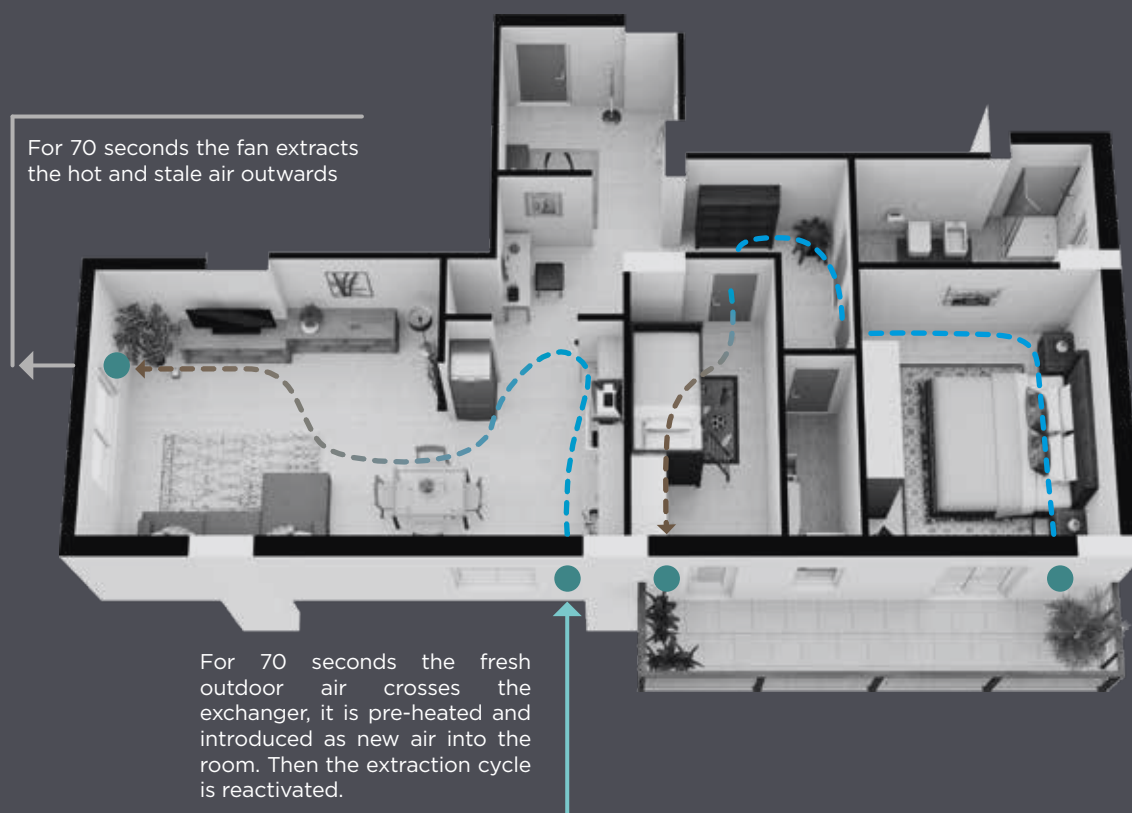


For 70 seconds Ghost extracts to the outside the hot and stale air present in the room.

By crossing the duct the air releases its thermal energy which is accumulated by the ceramic exchanger; at the end of this cycle the fan reverses the direction of rotation and starts the input cycle for another 70 seconds. The outdoor fresh air, passing through the hot ceramic exchanger, recovers the thermal energy and is introduced into the room at a more comfortable temperature. This allows to achieve significant energy savings, as it prevents the heating system from operating at maximum intensity as would happen in the event of air exchange by opening the windows.

PRINCIPLE OF THE DECENTRALIZED RESIDENTIAL VENTILATION

The thermal energy is collected in a ceramic exchanger as long as it reaches the maximum capacity. Every 70 seconds the fan reverses the direction of the rotation alternating air extraction and air intake cycles.





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