



HELICO CENTRIFUGAL EXTRACTOR FANS **SILENTE**





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• Centrifugal fans to extract air and fumes directly outside or through long ducts. Can be installed in holes with diameter 10, 12 and 15 cm. Low sound level with high performance. In ABS material.

In accordance with EN 60335-2-80.

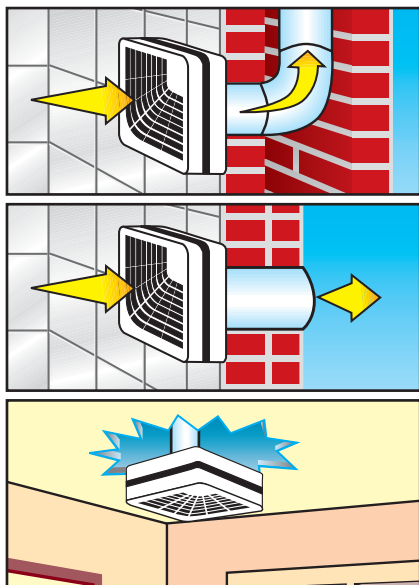
• **Silente T** - With electronic timer adjustable from 2 to 20 minutes.

• **Silente HT** - With electronic humidistat and electronic timer. The fan starts automatically at a pre-determined humidity level, when humidity level falls, the timer takes control keeping the fan operating for a preset time.

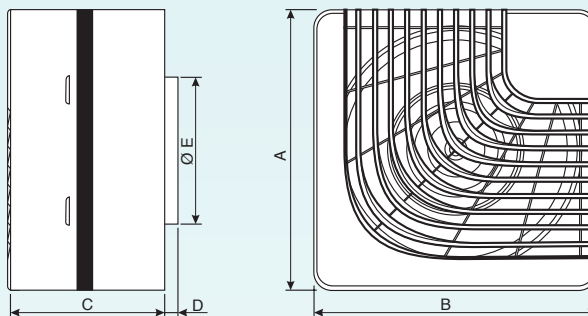
• **Silente Sensor** - The fan starts automatically when the infrared sensor detects a presence in the room, when the room is vacated the timer takes control keeping the fan operating for a preset time.

• **Silente 12 Volt** - In addition to the technical and functional features of the basic model it is manufactured with a very low power voltage (SELV).

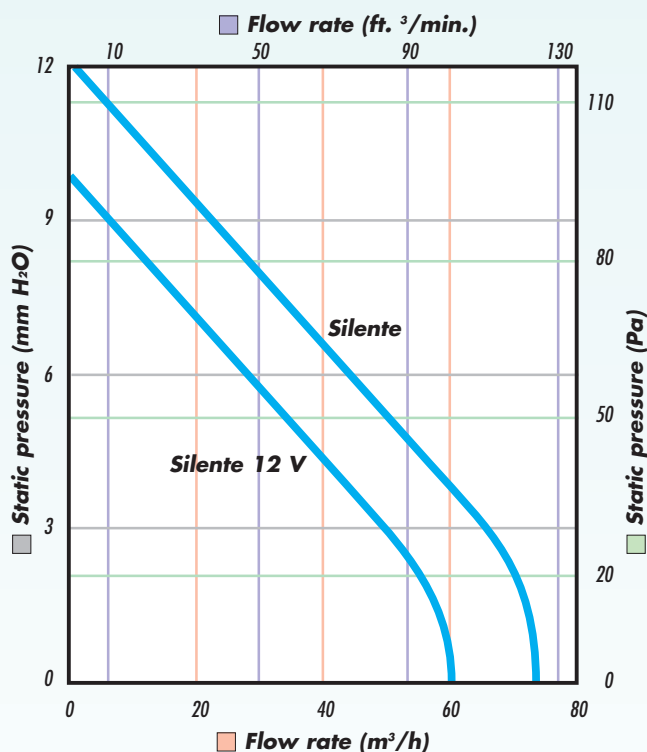
• **Silente 12 Volt T**: With electronic timer adjustable from 2 to 20 minutes.



Dimensions



Model	A	B	C	D	E
All SILENTE models	184	184	101,5	8,5	ø 98



Technical Data

Model	Ref.	Hole diameter mm	Flow rate m ³ /h	W	Nominal voltage and frequency	Max pressure mm H ₂ O	dB (A) at 3 m	Weight kg
SILENTE	OW 865 8	100÷150	75	19	220-240V 50Hz	12	36	0,9
SILENTE 12 Volt	OW 870 8	100÷150	60	15	220-240V 50Hz	10	36	0,9
SILENTE 12 Volt T	OW 871 6	100÷150	60	15	220-240V 50Hz	10	36	0,9
SILENTE T	OW 867 4	100÷150	75	19	220-240V 50Hz	12	36	0,9
SILENTE Sensor	OW 866 6	100÷150	75	19	220-240V 50Hz	12	36	0,9
SILENTE HT	OW 868 2	100÷150	75	19	220-240V 50Hz	12	36	0,9



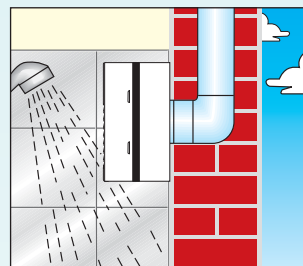
HELICO CENTRIFUGAL EXTRACTOR FANS SILENTE

For all models

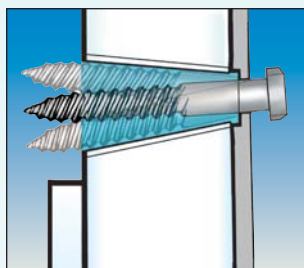
- Supplied with washable filter assuring long life of the motor and remarkable protection to the impeller.
- With anti-vibration gasket made of elastomer which fits on uneven surfaces and allows installation in holes with diameter 10, 12 and 15 cm.
- Quick installation as all components are clicked together.
- The template inside packaging allows a precise mounting on wall.
- The reduced protrusion of the exit spigot allows you to install the unit into ducting with curves placed immediately behind the exit hole.
- **Silente T** - Easy timer adjustment by small control knob.
- **Silente H** - Humidity level adjustable from 40% to 90% and electronic timer adjustable from 2 to 20 minutes. Both controls are adjusted by small knobs.
- **Silente Sensor** - It is extremely simple to install since it is connected to the electrical system with just two wires, thus eliminating the connections that normally need to be made to the light and the light switch. Easy timer adjustment by small control knob.



Low sound level.
36 decibel.



Splashproof fans for areas with high humidity.



The captive fixing screws in special cone shaped housing to allow for any necessary adjustment during installation in walls or ceiling.



Integral back draught shutter.

All components are clicked together.



Washable filter.

Anti-vibration gasket made of elastomer.



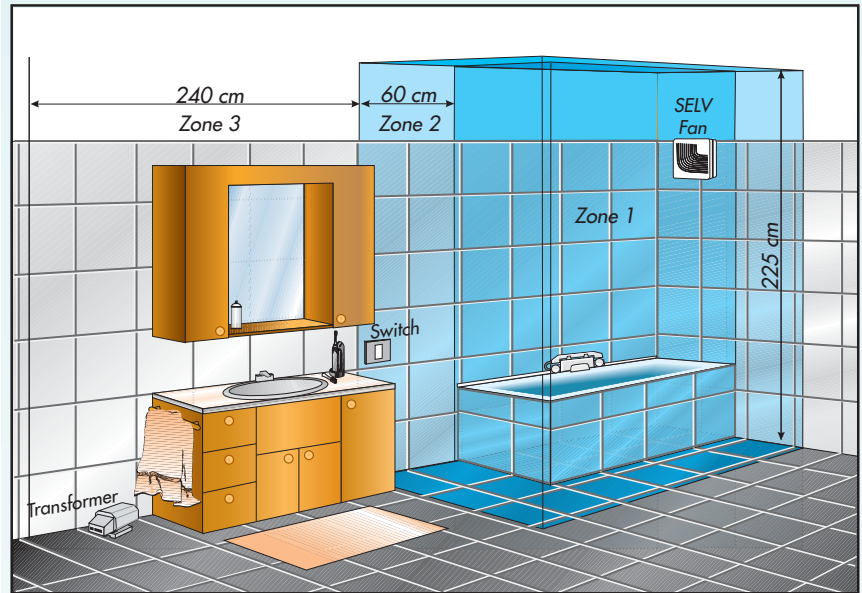
HELICO CENTRIFUGAL EXTRACTOR FANS SILENTE SELV 12V

- Can be installed in safety zones 1 and 2 as established by the IEC 364- 7 where risk of electrical contact is high.
- 220 ÷ 240/12V~ transformer, in accordance with IEC 742 class II, IP22 protected with safety thermostat.
- The very low power voltage of the Silente 12 Volt, (SELV - Safety Extra Low Voltage), with the use of a special transformer supplied with the fan, permits installation even in proximity of the bath tub as the eventual direct contact with the fan does not pose any threat of electrical danger.



- The transformer can be even installed in zone 3. (Dimensions: cm 6x5x11)

Installation example of SELV Fan.



IEC 364-7 standard, on Part 7 contains a section dedicated to “Locations containing a bath tub or shower basin” where, says the text “ the risk of electric shock is increased by a reduction in body resistance and contact of the body with earth potential”.

In order to avoid this high risk of electric shock the standard classifies in the room different zones and for each zone prescribes different installation limits of electrical components.

The standard describes the different zones as follows:

- Zone 0: is the interior of the bath tub or shower basin.
- Zone 1: is limited by the vertical plane circumscribing the bath tub or shower basin, by the floor and the horizontal plane 2,25 m. above the floor.
- Zone 2: is limited by the vertical plane external to Zone 1 and the parallel vertical plane 0,60 m. external to Zone 1, by floor and the horizontal plane 2,25 m. above the floor.
- Zone 3: is limited by the vertical plane external to Zone 2 and the parallel vertical plane 2,40 m. external to Zone 2, by floor and the horizontal plane 2,25 m. above the floor.

For each zone the standard makes a list of the prescriptions for the electrical equipment that may be or may not be installed as follows:

- In zone 0, only electrical appliances specially intended for use in a bath tub are permitted.
- In zone 1, only water heaters or **SELV** type appliances (Safety Extra Low Voltage) may be installed.
- In zone 2 only water heaters, and Class II luminaires or SELV type appliances may be installed.
- In zone 3 there are no limits for installation of electrical equipment, but anyway the eventual “ Switchgear and Controlgear” must be as follows: supplied individually by an isolating transformer, supplied by **SELV**, protected by a residual current protective device with a residual operating current not exceeding 0,03 A.

Hence, in zone 1 or 2 or 3 only a 12 V **SELV** fan should be installed.