

VENTS SO Series



Exhaust axial fan with air capacity up to 115 m³/h

Applications

- Continuous or periodic exhaust ventilation of bathroom, showers, kitchens and other utility spaces.
- Ventilation shaft mounting or duct connection.
- Low to medium air flow motion for short distances at low air resistance.
- Compatible with 100 mm air ducts.

Design

- Modern design and aesthetic look.
- The casing and the impeller are made of high-quality durable ABS plastic, UV resistant.
- The impeller design enhances the fan efficiency and prolongs the motor service life.
- Protection rating IP 24.

Motor

- Reliable motor with low energy demand.
- Designed for continuous operation and requires no maintenance.
- Equipped with overheating protection.

Modifications and options



SO 100 K – the fan is equipped with a back valve to prevent air backdrafting.



SO 100 L – the motor is equipped with ball bearings for long service life (appr. 40 thousand hours) and fan mounting at any angle. The bearings are maintenance-free and contain enough grease for the entire operating period.



SO 100-turbo – high-powered motor.



CSO 100-12 – equipped with a reliable low-voltage motor, 12 V.



SO 100 T – equipped with a turn-off delay timer adjustable from 2 to 30 minutes.



SO 100 TH – equipped with a turn-off delay timer adjustable from 2 to 30 minutes and a humidity sensor adjustable from 60% to 90%.



SO 100 V – equipped with a pull cord switch.



SO 100 VT – equipped with a pull cord switch and a turn-off delay timer adjustable from 2 to 30 minutes.



SO 100 VTH – equipped with a pull cord switch, turn-off delay timer adjustable from 2 to 30 minutes and a humidity sensor adjustable from 60% to 90%.

Control

Manual:

- The fan is controlled with a room light switch (not included into delivery set).
- The fan is controlled with a built-in pull cord switch "V". This option is not applicable for ceiling mounting.
- Speed control with a thyristor speed controller, refer the Electric accessories. Several fans may be connected to one controller.

Automatic:

- Speed control with a an electronic control unit **BU-1-60**, refer the Electric accessories. The control unit is available upon separate order.
- Fan control with a turn-off delay timer "T" that enables fan running from 2 to 30 minutes after turning the fan off.
- Fan control with a humidity sensor and turn-off delay timer "TH" that enables fan switching on and running until the indoor humidity drops below the set point adjustable from 60% to 90% and subsequent fan running within the set time before turning off.

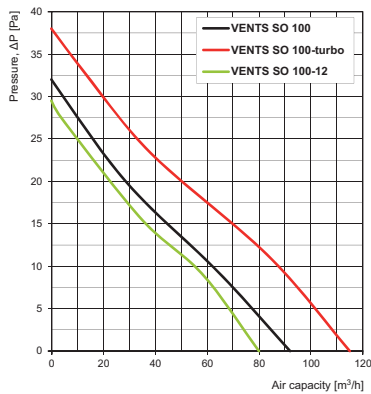
Mounting features

- The fan is mounted directly into the ventilation shaft.
- Flexible duct connection is recommended in case of the remote ventilation shaft location. The air duct is connected to the fan exhaust flange through a clamp.
- Fixing to wall with screws.
- Suitable for ceiling mounting.
- The step-down transformer (TRF 220/12-25) enables connection of a low-voltage fan 12 V / 50 Hz to 220 V / 50 Hz power mains. Available upon separate order.

Accessories

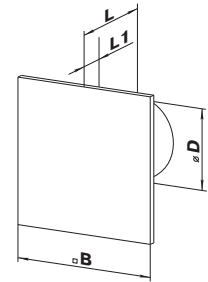


Aerodynamic characteristics



Overall dimensions

Model	Dimensions [mm]			
	Ø D	B	L	L1
VENTS SO 100	100	177	120,5	33



Technical data

Model	Voltage [V] at 50 Hz	Power [W]	Current [A]	RPM [min ⁻¹]	Maximum air capacity [m³/h]	Sound Pressure Level at 3m [dB(A)]	Weight [kg]
VENTS SO 100	220-240	14	0,09	2410	92	33	0,53
VENTS SO 100-turbo	220-240	16	0,10	2400	115	37	0,55
VENTS SO 100-12	12	14	1,50	2300	80	32	0,51

Mounting example



Certificates

The fans meet the applicable safety and electromagnetic compatibility standards.