

VENTS MF One Series



Low-noise and energy-saving axial fan for exhaust ventilation with air capacity up to 95 m³/h* suitable for use in Zone 1

Applications

- Continuous or periodic exhaust ventilation of bathroom, showers, kitchens and other utility spaces.
- Ventilation of premises with high noise level limitations.
- Mounting into ventilation shafts or connection to Ø100 mm air ducts.

Design

- Additional rubber seal realized by two-component molding allows the fans to be used in Zone 1.



- The casing and the impeller are made of high-quality durable ABS plastic, UV resistant.
- Advanced 7-blade impeller aerodynamic profile provides even better performance and lower noise level.



- The fan is equipped with a back valve to prevent back flow and heat losses during the fan standby.
- The fan exhaust spigot incorporates specially designed air rectifiers to reduce air turbulence, increase air pressure and lower noise level.

Motor

- Low energy demand from 8 W due to new high-efficient motor.
- Designed for continuous operation and requires no maintenance.
- Motor equipped with overheating protection.

Modifications and Options

 **MF One 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.

 **MF One T** – off-delay timer modification with operating time from 2 to 30 min.

 **MF One T1** – modification with turn-on delay timer (adjustable from 0 to 2 minutes) and off-delay timer (adjustable from 2 to 30 minutes).

  **MF One TH** – off-delay timer modification with the operating time from 2 to 30 min and humidity sensor with threshold from 60 to 90%.

 **MF One V** – pull-cord switch modification.

Control

Manual control:

- Manual control with a room light switch. The switch is not included into delivery set.
- The fan is controlled by the built-in pull cord switch **V**. Not applied in case of ceiling mounting.
- Speed control is possible through a thyristor speed controller (see Electrical Accessories). Several fans may be connected to the same controller. Speed controllers can not be connected to the fans with T, TH, TP, VT, VTH modification.

Automatic:

- By the electronic control unit **BU-1-60**. The control unit is supplied separately.
- By the timer **T** (the built-in run-out timer enables the fan operation within 2 to 30 minutes after the fan switching off).
- By the humidity sensor and timer **TH** (if the humidity level in the room exceeds the sensor threshold adjustable value within 60-90% the fan switches automatically on and operates until the humidity level drops to the standard level, after that the fan continues operating within the time period according to the timer setting, then shuts down).

Mounting features

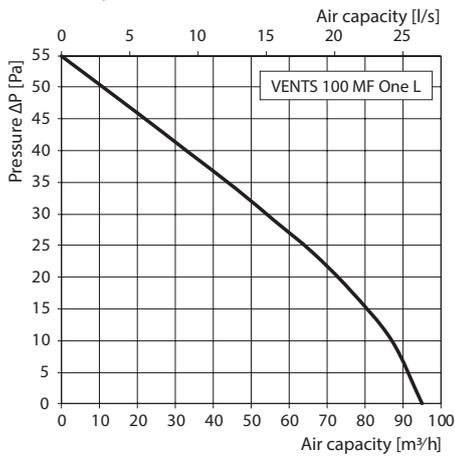
- The fan is mounted directly into the ventilation shaft.
- Flexible duct application is recommended in case of remote location of the ventilation shaft.
- The air duct is connected to the fan exhaust flange through a clamp.
- Fixed to wall by self-tapping screws.
- Suitable for ceiling mounting.

*Characteristic for 100 MF One L

Accessories



Aerodynamic characteristics



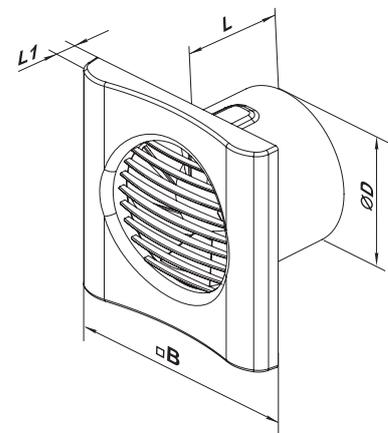
Technical data

Model	Frequency [Hz]	Voltage [V]	Power Consumption [W]	Current [A]	RPM [min ⁻¹]	Maximum air flow [m³/h]	Sound Pressure Level [dBA]*	Weight [kg]	IP
VENTS 100 MF One L	50	220-240							
VENTS 100 MF One L (220 V/60 Hz)	60	220	8	0.05	2154	95	27	0.45	44 Zone 1

*Sound pressure level measured in free space at a distance of 3 meters from the fan.

Overall dimensions

Model	Dimensions [mm]			
	∅ D	B	L	L1
VENTS 100 MF One	99	150	79	19



Mounting example



Certificates



The fans meet the applicable safety and electromagnetic compatibility standards.