VENTS F1
Series

Axial fans
for exhaust ventilation
with the capacity up to 232 m³/h

Applications

- Continuous or periodic exhaust ventilation of bathroom, showers, kitchens and other utility spaces.
- Ventilation shaft mounting or duct connection.
- Designed for non-standard ventilation shafts with a large cross section.
- Low to medium air flow motion for short distances at low air resistance.
- Compatible with Ø 100 and 125 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 intellectual impeller design makes the fan efficiency high and the service life long.
- The special front grille design enables natural ventilation of the premises without powering up the fan if required.
- The enlarged front grille is specifically designed to fit non-standard ventilation shafts.
- Insect screen.
- Protection rating IP 34.
- Ventilation grille for natural air exhaust for application in premises with gas stoves.

Motor

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

Modifications and Options

F1 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.

F1 turbo – high-powered motor.

F1 12 – modification with low-voltage motor. 12 V AC power supply.

F1T – equipped with a regulated timer with the operating time from 2 to 30 minutes.

Control

Manual:

- The fan is controlled by a room light switch. It is not included in the delivery package.
- Speed control is possible through a thyristor speed controller (see Electrical Accessories). Several fans may connected to the same controller. Speed controllers can not be connected to the fans with T, TH, TP, VT, VTH modification.

Automatic:

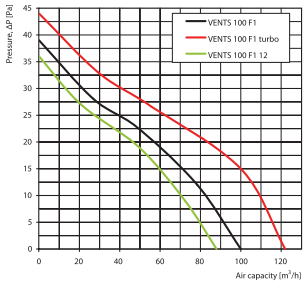
- By the electronic control unit **BU-1-60** (see Electrical Accessories). The control unit is supplied separately.
- By the timer **T** (the built-in run-out timer enables the fan operation within 2 to 30 minutes after the fan switching off).

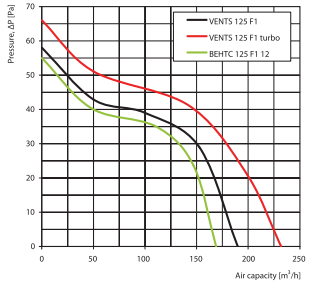
Mounting features

- 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.
- For 12 V low-voltage motor fan connection to 220 V / 50 Hz power mains use the step-down transformer TRF 220/12-25 that is available upon separate order.

Accessories

Aerodynamic characteristics

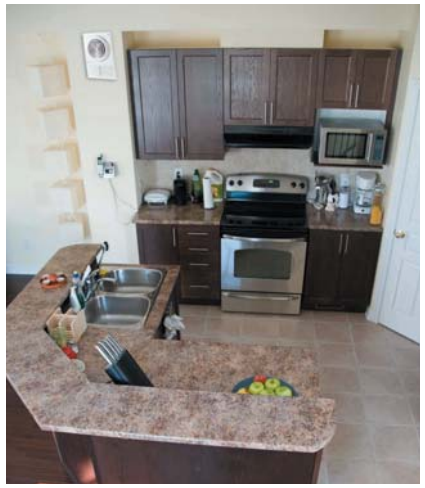




Technical data

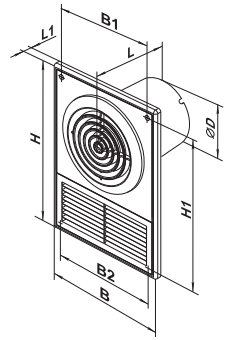
Model	Frequency [Hz]	Voltage [V]	Power Consumption [W]	Current [A]	R.p.m.	Maximum air capacity [m³/h]	Sound Pressure Level at 3 m [dB(A)]	Weight [kg]
VENTS 100 F1	50/60	220-240	14	0,085	2300	100	33	0,58
VENTS 100 F1 turbo	50/60	220-240	16	0,1	2300	122	36	0,68
VENTS 100 F1 12	50/60	12	14	1,5	2200	88	32	0,58
VENTS 125 F1	50/60	220-240	16	0,1	2400	190	35	0,80
VENTS 125 F1 turbo	50/60	220-240	24	0,105	2400	232	37	0,85
VENTS 125 F1 12	50/60	12	16	1,7	2300	169	34	0,80

Mounting example



Overall dimensions

Model	Dimensions [mm]							
	Ø D	B	B1	B2	H	H1	L	L1
VENTS 100 F1	100	182	152	160	252	226	128	13
VENTS 125 F1	125	182	152	160	252	226	134	15



Certificates

IP 34

The fans meet the applicable safety and electromagnetic compatibility standards.