

VENTS PF1 Series



Axial fans for exhaust ventilation with the capacity up to 349 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 Ø 100, 125 and 150 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.
- Insect screen.
- Protection rating IP 34.

Motor

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

Modifications and Options



PF1 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.



PF1 turbo – high-powered motor.



PF1 press – 5-blade low-noise impeller with improved aerodynamics for higher fan capacity.



PF1 12 – modification with low-voltage motor. 12 V AC power supply.



PF1T – 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 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** (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.
- Suitable for ceiling mounting.
- 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



Air ducts

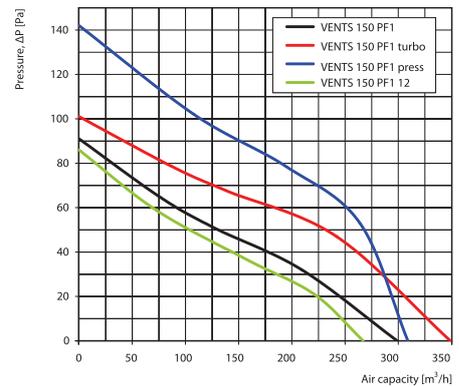
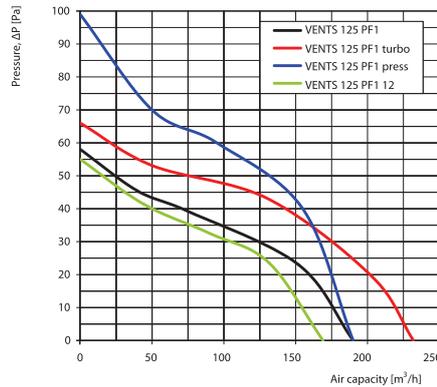
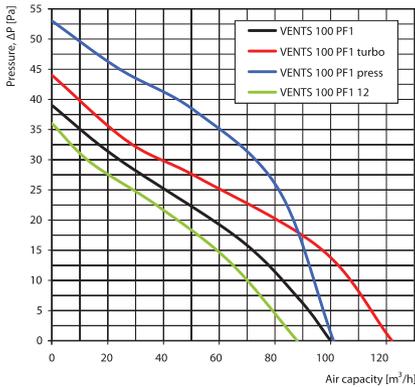
Grilles and hoods

Backdraft damper

Speed controllers

Clamps

Aerodynamic characteristics



Technical data

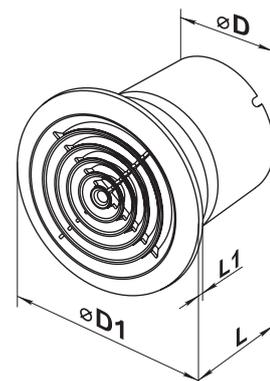
Model	Frequency [Hz]	Voltage [V]	Power Consumption [W]	Current [A]	R.p.m.	Maximum air capacity [m³/h]	Sound Pressure Level at 3 m [dB(A)]	Weight [kg]
VENTS 100 PF1	50/60	220-240	14	0,085	2300	100	33	0,47
VENTS 100 PF1 turbo	50/60	220-240	16	0,1	2300	122	39	0,58
VENTS 100 PF1 press	50/60	220-240	16	0,1	2300	101	38	0,47
VENTS 100 PF1 12	50/60	12	14	1,5	2300	88	32	0,47
VENTS 125 PF1	50/60	220-240	16	0,1	2400	190	35	0,70
VENTS 125 PF1 turbo	50/60	220-240	24	0,105	2400	232	42	0,75
VENTS 125 PF1 press	50/60	220-240	24	0,105	2400	190	39	0,70
VENTS 125 PF1 12	50/60	12	16	1,7	2400	169	34	0,70
VENTS 150 PF1	50	220-240	24	0,13	2400	299	38	0,84
VENTS 150 PF1 (220-240 B/60 Hz)	60							
VENTS 150 PF1 turbo	50	220-240	29	0,13	2400	349	40	0,98
VENTS 150 PF1 turbo (220-240 B/60 Hz)	60							
VENTS 150 PF1 press	50	220-240	29	0,13	2400	309	38	0,84
VENTS 150 PF1 press (220-240 B/60 Hz)	60							
VENTS 150 PF1 12	50	12	29	2	2400	267	37	0,84
VENTS 150 PF1 (12 B/60 Hz)	60							

Mounting example



Overall dimensions

Model	Dimensions [mm]			
	Ø D	Ø D1	L	L1
VENTS 100 PF1	100	141	128	13
VENTS 125 PF1	125	166	134	15
VENTS 150 PF1	150	188	146	15



Certificates

The fans meet the applicable safety and electromagnetic compatibility standards.