

VENTS X1 Series



Axial fans for exhaust ventilation with the capacity up to 345 m³/h

Application

- 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, 120, 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.
- Protection rating IP24.

Motor

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

Modifications and Options



X1 K – fan is equipped with a backdraft damper for back flow preventing.



X1 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.



X1 turbo – high-powered motor.



X1 12 – modification with low-voltage motor. 12 V AC power supply.



X1T – equipped with a regulated timer with the operating time from 2 to 30 minutes.



X1TH – equipped with a timer with the operating time from 2 to 30 minutes and a humidity sensor with the threshold value from 60 to 90 %.



X1V – equipped with a pull cord switch.



X1VT – equipped with a pull cord switch and a regulated timer with the operating time adjustable from 2 to 30 minutes.



X1VTH – equipped with a pull cord switch, regulated timer with the operating time adjustable from 2 to 30 minutes and a humidity sensor with the operating threshold range from 60 to 90 %.

Control

Manual:

- The fan is controlled by a room light switch. It is not included in the delivery package.
- 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** (see Electrical Accessories). The control unit is supplied separately.
- By the timer **T** (the built-in turn-off delay 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).

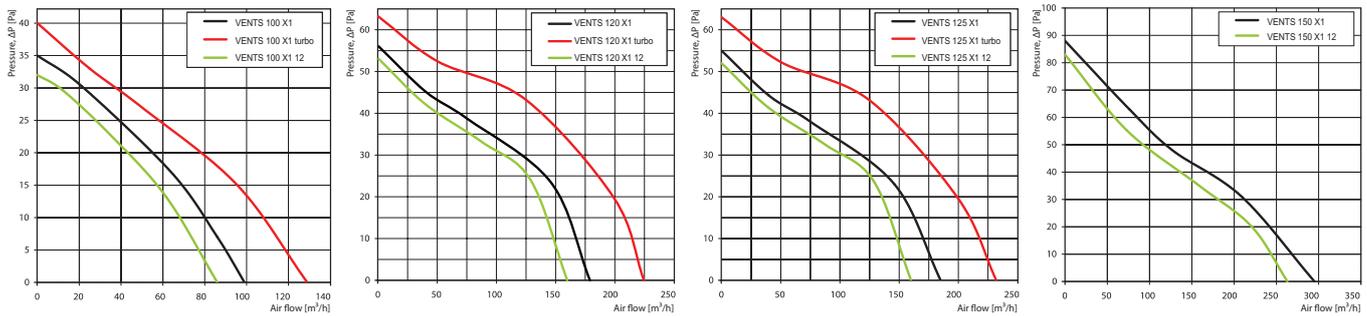
Mounting features

- 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.
- 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 flow [m³/h]	Sound Pressure Level [dBA]*	Weight [kg]
VENTS 100 X1	50	220-240	14	0.085	2300	99	33	0.60
VENTS 100 X1 (220 V/60 Hz)	60	220						
VENTS 100 X1 turbo	50	220-240	16	0.1	2300	129	37	0.68
VENTS 100 X1 turbo (220 V/60 Hz)	60	220						
VENTS 100 X1 12	50	12	14	1.5	2200	86	33	0.59
VENTS 120 X1	50	220-240	17	0.1	2400	179	35	0.73
VENTS 120 X1 (220 V/60 Hz)	60	220						
VENTS 120 X1 turbo	50	220-240	24	0.105	2400	225	37	0.80
VENTS 120 X1 turbo (220 V/60 Hz)	60	220						
VENTS 120 X1 12	50	12	16	1.7	2300	160	34	0.71
VENTS 125 X1	50	220-240	16	0.1	2400	185	34	0.73
VENTS 125 X1 (220 V/60 Hz)	60	220						
VENTS 125 X1 turbo	50	220-240	24	0.105	2400	232	37	0.80
VENTS 125 X1 turbo (220 V/60 Hz)	60	220						
VENTS 125 X1 12	50	12	16	1.7	2300	160	34	0.71
VENTS 150 X1	50	220-240	24	0.13	2400	295	37	0.92
VENTS 150 X1 (220 V/60 Hz)	60	220						
VENTS 150 X1 12	50	12	29	2	2300	263	36	0.88

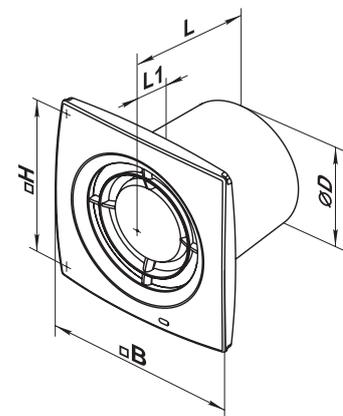
*Sound pressure level measured in free space at a distance of 3 meters from the fan.

Mounting example



Overall dimensions

Model	Dimensions [mm]				
	Ø D	B	H	L	L1
VENTS 100 X1	100	152	120	108	12
VENTS 120 X1	120	177	140	95	13
VENTS 125 X1	125	177	140	114	13
VENTS 150 X1	150	205	165	132	13



Certificates

The fans meet the applicable safety and electromagnetic compatibility standards.