

### VENTS K1 Series



Axial fans for exhaust ventilation with the capacity up to 226 m<sup>3</sup>/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 and 125 mm air ducts.

#### Design

- Classic 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



**K1 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.



**K1 turbo** – high-powered motor.



**K1 12** – modification with low-voltage motor. 12 V AC power supply.

#### 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.

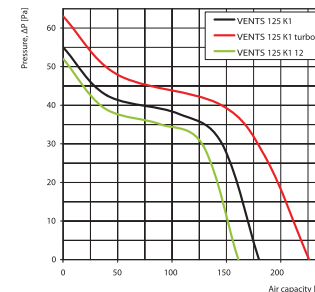
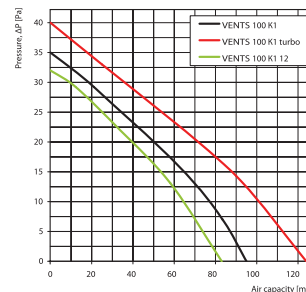
##### Automatic:

- By the electronic control unit **BU-1-60** (see Electrical Accessories). The control unit is supplied separately.

#### 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.

#### Aerodynamic characteristics



#### Technical data

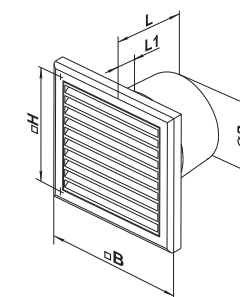
Model	Frequency [Hz]	Voltage [V]	Power Consumption [W]	Current [A]	R.p.m.	Maximum air capacity [m <sup>3</sup> /h]	Sound Pressure Level at 3 m [dB(A)]	Weight [kg]
VENTS 100 K1	50/60	220-240	14	0,085	2300	95	34	0,52
VENTS 100 K1 turbo	50/60	220-240	16	0,1	2300	124	37	0,60
VENTS 100 K1 12	50/60	12	14	1,5	2200	83	33	0,50
VENTS 125 K1	50/60	220-240	16	0,1	2400	180	35	0,70
VENTS 125 K1 turbo	50/60	220-240	24	0,105	2400	226	37	0,77
VENTS 125 K1 12	50/60	12	16	1,7	2300	161	34	0,66

#### Mounting example



#### Overall dimensions

Model	Dimensions [mm]				
	ØD	B	H	L	L1
VENTS 100 K1	100	154	110	108,5	18,5
VENTS 125 K1	125	187	142	116	19



#### Accessories



#### Certificates

CE, GS, ME 10, B, IP 34. The fans meet the applicable safety and electromagnetic compatibility standards.