VENTS Z star Series



Axial design fans for exhaust ventilation with the capacity up to 302 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 100, 125 and 150 mm air ducts.



LED lamp, 2 W

Design

- The polished steel front panel with various ornamental modifications.
- A 2 W LED lamp is integrated into the fan casing.
- 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 IP 24.

Motor

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

Modifications and Options

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

Z star 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.

Z star turbo – high-powered motor.

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

Z star T* – equipped with a regulated timer with the operating time from 2 to 30 minutes.

Z star TH* – 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%.

* only for 100 mm fans

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 regulator unit.

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).
- 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.
- Both parallel or separate switching of the fan and the built-in lamp (refer wiring diagrams).
- 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.

Front panel modifications



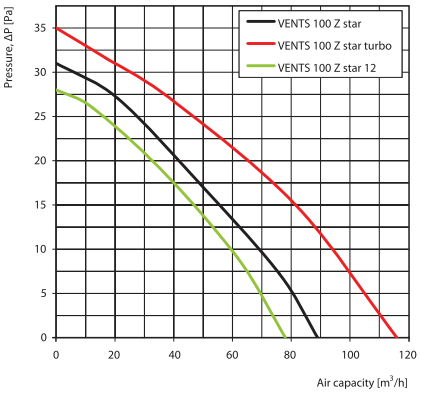
Z star 1 | Z star 2 | Z star 3 | Z star 4 | Z star 5 | Z star 6

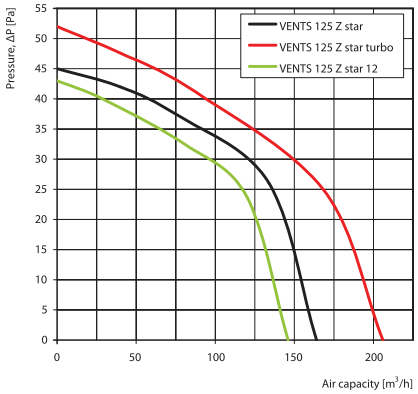
Accessories

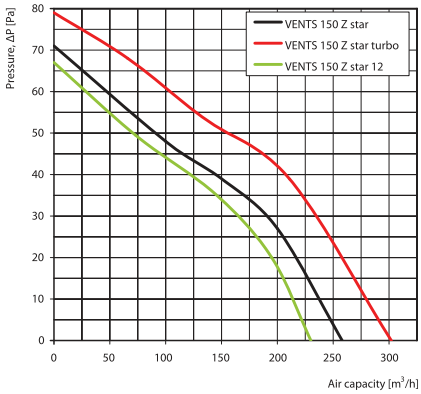
Air ducts | Grilles and hoods | Backdraft damper | Speed controllers | Clamps



Aerodynamic characteristics







Technical data

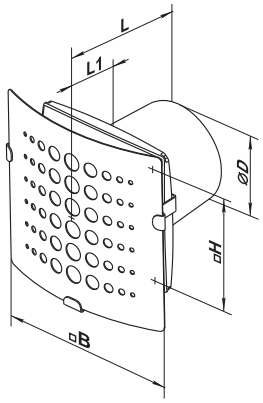
Model	Voltage [V] at 50 Hz	Power Consumption [W]	Current [A]	r.p.m.	Maximum air capacity [m³/h]	Sound Pressure Level at 3m [dB(A)]	Weight [kg]
VENTS 100 Z star	220-240	14	0,085	2300	89	33	0,61
VENTS 125 Z star	220-240	16	0,1	2400	164	34	0,75
VENTS 150 Z star	220-240	24	0,13	2400	258	37	0,94
VENTS 100 Z star turbo	220-240	16	0,1	2300	116	36	0,69
VENTS 125 Z star turbo	220-240	24	0,105	2400	206	36	0,83
VENTS 150 Z star turbo	220-240	30	0,13	2400	302	39	1,08
VENTS 100 Z star 12	12	14	1,5	2200	78	32	0,60
VENTS 125 Z star 12	12	16	1,7	2300	146	33	0,73
VENTS 150 Z star 12	12	24	2	2300	230	36	0,90

Mounting examples



Overall dimensions

Model	Dimensions [mm]				
	Ø D	B	H	L	L1
VENTS 100 Z star	100	181	120	148	56
VENTS 125 Z star	125	204	140	154	56
VENTS 150 Z star	150	231	165	171	56
VENTS 100 Z star T	98	183	122	151	65
VENTS 100 Z star TH	98	183	122	151	65



Certificates

IP 24

The fans meet the applicable safety and electromagnetic compatibility standards.