VENTS Quiet Series

Intellectual axial low-noise and energy-saving fan for exhaust ventilation with air capacity up to 370 m³/h

Applications

- Innovative exhaust fan with stylish design for new comfort level in shower rooms, bathrooms, kitchens and other residential premises.
- Maximum air capacity combined with low noise level provide the ideal microclimate.
- Mounting into ventilation shafts or connection to Ø 100, 125, 150 mm.

Design

- Casing and impeller made of high-quality and durable UV-resistant plastic.
- Specially designed impeller aerodynamic profile provides high air capacity and low noise.
- The compact design enables wall and ceiling mounting.
- The shortened spigot for mounting into a ventilation shaft or connection to Ø 100, 125, 150 mm air ducts.
- The fan is equipped with a specially designed back valve to prevent back flow and heat losses during the fan standby.
- The fan exhaust spigot incorporates specially designed air rectifiers to reduce air turbulence, increase air pressure and lower noise level.
- High ingress protection rating ensures makes the fan the ideal solution for ventilation of a bathroom. The electronic components are protected with tight covers. Models VENTS 150 Quiet and VENTS 150 Quiet Extra are additionaly equipped with a special vibration absorbing sealer along the fan countour.

Motor

- Low energy demand from 7.5 W due to new high-efficient motor.
- Maintenance-free bearings contain enough grease for 40 000 hrs non-stop operation.
- Motor on special anti-vibration dampers for vibration absorbing and silent operation.
- Motor equipped with overheating protection.
- VENTS 150 Quiet supplied with 2 speed motor. VENTS 150 Quiet Extra supplied with 2 speed high powered motor.

Modifications and Options

Quiet Extra - high-powered motor.

Quiet T - off-delay timer modification with operating time from 2 to 30 min.

Quiet TH - off-delay timer modification with the operating time from 2 to 30 min and humidity sensor with threshold from 60 to 90%.

Quiet V - pull-cord switch modification.

Quiet VT - modification with pull-cord switch and off-delay timer with operating time from 2 to 30 min.

Quiet VTH - modification with pull-cord switch, off-delay timer with operating time from 2 to 30 min and humidity sensor with threshold from 60 to 90%.

Quiet TP - modification with off-delay timer with operating time from 2 to 30 min and motion sensor; reach distance up to 4 m, viewing angle up to 100°.

* Models VENTS 150 Quiet with modification T / TP / VT / VTH additionaly supplied with turn-on delay timer adjustable from 0 up to 2 minutes.

Operation modes of the VENTS 150 Quiet and VENTS 150 Quiet Extra

Operation modes of the fans models VENTS 150 Quiet and VENTS 150 Quiet Extra with modifications T, TH, VT, VTH, TP is selected by setting the DIP switch into the required position.

Mode 1 (single-speed mode)

- The fan is turned off by default. The fan starts operating at the 1st speed when the switch is closed or one of the sensors is activated.

Mode 2 (single-speed mode)

- The fan is turned off by default. The fan starts operating at the 2nd speed when the switch is closed or the sensors are activated.

Mode 3 (two-speed mode)

- The fan operates at the 1st speed by default. The fan switches to the 2nd speed when the switch is closed or the sensors are activated.

Mode 4 (two-speed mode)

- The fan is turned off by default. The fan starts operating at the 1st speed when the switch is closed and switches to the 2nd speed when the humidity sensor is activated.

Mode 5 (two-speed mode)

- The fan is turned off by default. The fan starts operating at the 1st speed when the switch is closed or when the humidity sensor is activated. If during the operation at the 1st speed the second even takes place. i.e. the switch is closed or the humidity sensor is activated, the fan switches to the 2nd speed.

Control

Manual control:

- Manual control with a room light switch. The switch is not included into delivery set.
- 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 or through speed switch P2-1-300 (only for VENTS 150 Quiet models), 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 control:

- 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 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 set time period and shuts down).
- By the motion sensor and timer **TP** (if motion is detected in the reach area, the fan is switched automatically and operates within the set time period from 2 to 30 min). Reach distance up to 4 m, the max. viewing angle 100°.

Mounting features

- Installation directly inside a ventilation shaft.
- Flexible air ducts may be used in case of remote location of the ventilation shaft. Connection of the air duct to the exhaust flange with a clamp.
- Wall mounting with screws.
- Suitable for ceiling mounting.

Colour modifications


100/125/150 Quiet Red RAL 3013


100/125/150 Quiet Vintage


100/125/150 Quiet Aluminum Lacquer

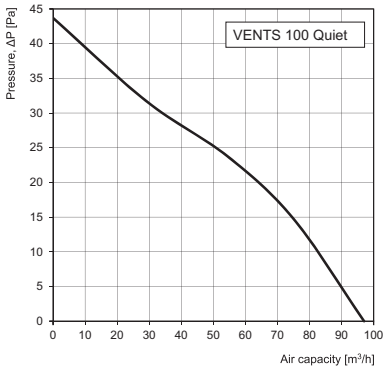

100/125/150 Quiet Chrome

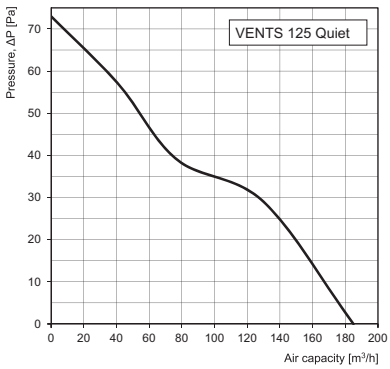

100/125/150 Black Sapphire

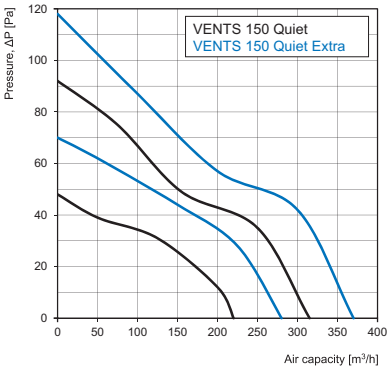
Technical data

Model	Speed	Frequency [Hz]	Voltage [V]	Power Consump-tion [W]	Current [A]	Maximum air capacity [m³/h]	Sound Pressure Level at 3 m [dB(A)]	Weight [kg]	IP
VENTS 100 Quiet	–	50	230	7,5	0,049	97	25	0,55	IP 45
VENTS 100 Quiet (220-240 V/60 Hz)		60							
VENTS 125 Quiet	–	50	230	17	0,11	185	32	0,78	
VENTS 125 Quiet (220-240 V/60 Hz)		60							
VENTS 150 Quiet	max.	50/60	230	19	0,09	315	33	1,33	IP 45
	min.			17	0,08	220	28		
VENTS 150 Quiet Extra	max.	50/60	230	22	0,1	370	38	1,33	
	min.			19	0,09	280	32		

Aerodynamic characteristics

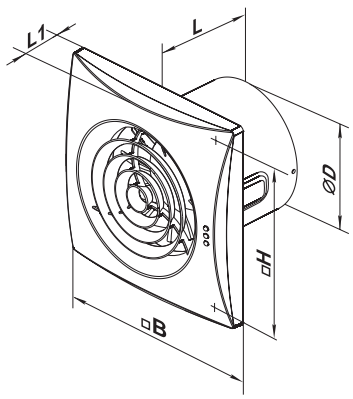






Overall dimensions

Model	Dimensions, mm				
	Ø D	B	H	L	L1
VENTS 100 Quiet	99	158	136	81	26
VENTS 125 Quiet	123,5	182	158	91	27
VENTS 150 Quiet	147,5	214	190	111	32
VENTS 150 Quiet Extra					



Certificates

IP 45 The fans meet the applicable safety and electromagnetic compatibility standards.