

VENTS Quiet Duo Series



Two-speed axial low-noise and low energy fans for exhaust ventilation with the capacity up to 170 m³/h

Application

- Innovative exhaust fan with stylish design.
- Ideal for intermittent or continuous ventilation of bathroom, showers, kitchens and other utility spaces.
- Two-speed ventilation up to 170 m³/h.
- Permanent low-speed operation mode ensures continuous minimum air exchange in the room.
- Mounting into ventilation shafts or connection to Ø 100 mm and 125 mm air ducts.

Design

- The casing and the impeller are made of high-quality and durable UV-resistant plastic.
- The specially designed aerodynamic profile of the mixed-flow impeller provides high air flow combined with low-noise operation.
- The compact design enables wall and ceiling installation.
- A shortened spigot for mounting into a ventilation shaft or direct connection to Ø 100 mm and 125 mm air duct.
- The fan is equipped with a specially designed back valve to prevent back flow and heat losses during the fan standby.

Colour modifications



Quiet 100/125 Duo
Red RAL 3013



Quiet 100/125 Duo
Vintage



Quiet 100/125 Duo
Chrome



Quiet 100/125 Duo
Black sapphire

- The fan exhaust spigot incorporates specially designed air rectifiers to reduce air turbulence, noise level and boost air pressure.
- High ingress protection rating makes the fan the ideal solution for bathroom ventilation. The electronic components are protected with tight covers.

Motor

- Low energy demand from 4 W due to a new two-speed 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.

Modifications and Options*



Quiet Duo V: modification with a pull cord switch.



Quiet Duo T: modification with a turn-off delay timer and interval timer – integrated function of automatic ventilation activation.

Once in 6, 14 or 24 hours the fan is switched on for up to 30 min to ventilate a premise with the low speed. On elapsing of the set run-out time the fan switches off automatically.



Quiet Duo TH: off-delay timer modification with a turn-off delay from 2 to 30 min and humidity sensor with an adjustable threshold from 60 to 90 %.

* VENTS Quiet 100 Duo and VENTS Quiet 125 Duo with modifications T and TH are supplied with an integrated switch delay timer to avoid the fan unnecessary switching if you use your bathroom shortly and frequently. After humidity increases or after signalling from the external switch, the fan switches to higher speed not immediately, but after the set timer countdown (1 min).

Operation modes of the fans with modifications T, TH:

The fan operates at the low speed by default. The fan switches to the high speed when the switch is closed or the humidity sensor is activated.

Control

Manual control:

- Manual control with a room light switch. The switch is not included in the delivery set.

The fan is controlled by the built-in pull cord switch **V**. Not applied in case of ceiling mounting.

Speed control with the thyristor speed controller or speed switch P2-1-300, see Electrical Accessories. Several fans may be connected to the same controller. Speed controllers are not compatible with the fans with T, TH modification.

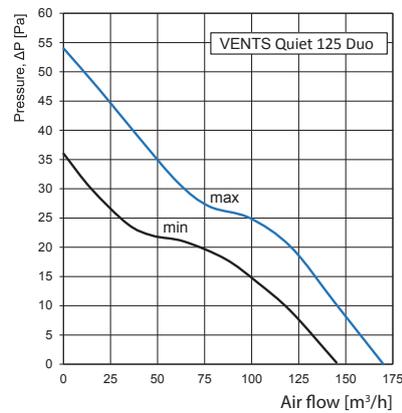
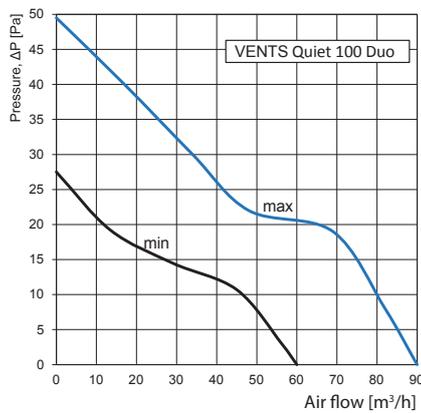
Automatic control:

- By the electronic control unit **BU-1-60** (see Electrical Accessories). The control unit is supplied separately.
- By the timer **T**. The built-in turn-off delay timer enables the fan operation at the high speed 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 to the high speed and operates until the humidity level drops to the standard level. After that the fan continues operating within the set time period and then reverts to the standard operation mode with the low speed.

Mounting features

- Installation directly inside a ventilation shaft.
- Flexible air ducts may be used in case of remote location of the ventilation shaft. The air duct is connected to the exhaust spigot with a fixing clamp.
- Wall mounting with screws.

Aerodynamic characteristics



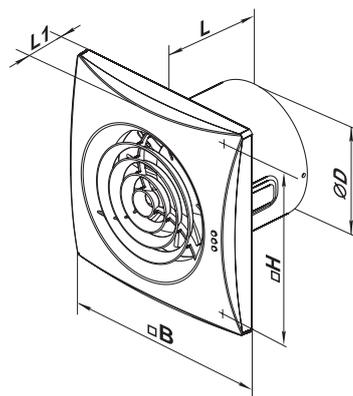
Technical data

Model	Speed	Frequency [Hz]	Voltage [V]	Power consumption [W]	Current [A]	Maximum air capacity [m³/h]	Sound Pressure Level [dBA]*	Weight [kg]	IP
VENTS Quiet 100 Duo	max	50	220-240	4	0.029	60	22	0.55	IP45
	min			7.5	0.052	90	25		
VENTS Quiet 125 Duo	max	50	220-240	9.5	0.065	145	28	0.78	IP45
	min			13.5	0.09	170	32		

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

Overall dimensions

Model	Overall dimensions [mm]				
	Ø D	B	H	L	L1
VENTS Quiet 100 Duo	99	158	136	81	26
VENTS Quiet 125 Duo	123.5	182	158	91	27



Certificates



The fans meet the applicable safety and electromagnetic compatibility standards.