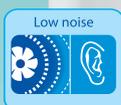


Series VENTS MF Duo



Two-speed axial low-noise and low energy fans for exhaust ventilation with air flow up to 300 m³/h

Application

- Continuous or periodic exhaust ventilation of bathroom, showers, kitchens, and other residential premises.
- Ventilation of premises with high requirements to noise level.
- Permanent low-speed operation mode ensures continuous air exchange in the room.
- Ventilation shaft mounting or connection to Ø 100, 125 and 150 mm air ducts.

Design

- The casing and the impeller are made of high-quality durable plastic, UV resistant.
- The aerodynamic design of the impeller ensures high air flow and low noise level.
- The fan is equipped with a specially designed backdraft damper to prevent back flow and heat losses during the fan standby.
- The fan outlet spigot incorporates specially designed air rectifiers to reduce air turbulence, noise level and increase air pressure.

Motor

- Low energy demand from 5 W due to a new two-speed high-efficient motor.
- Ingress protection rating IP44.
- Designed for continuous operation and requires no maintenance.
- Equipped with overheating protection.

Modifications and options



MF L Duo – the motor is equipped with ball bearings to increase the service life (about 40 thousand operating hours) and fan mounting at any angle. The bearings are maintenance-free and contain enough grease for the entire operating period.



MF T1 Duo – equipped with an adjustable high-speed turn-on delay timer (from 0 to 2 minutes) and an adjustable high-speed turn-off delay timer (from 2 to 30 minutes).



MF TH Duo – equipped with an adjustable turn-off delay timer (from 2 to 30 minutes) and a fixed turn-on delay timer (45 s) with a humidity sensor adjustable from 60 % to 90 %.

Control

Manual:

- The fan is operated via a light switch (not included in the delivery set).

Automatic:

- By the **T1** timer. When the external switch is turned on, the fan switches to a higher speed with a delay of 0 to 2 minutes. When the external switch is turned off, the fan will return to a low speed with a delay of 2 to 30 minutes.
- By the humidity sensor and the **TH** timer. If the humidity level in the room exceeds the sensor threshold (60-90 %), the fan will automatically switch to a higher speed and will continue running until humidity returns to normal levels. Then the fan runs for 5 minutes at a high speed and switches to a low speed. The fan with a timer and TH humidity sensor can also be controlled in manual mode, for example, using the light switch. When the control voltage is applied, the turn-on delay timer is activated for 45 seconds and the fan switches to the second speed. After disconnecting the control voltage, the fan runs for a time set by the turn-off delay timer (from 2 to 30 minutes), and switches to the first speed.

Mounting features

- The fan is mounted directly into the ventilation shaft.
- Flexible duct connection is recommended in case of the remote ventilation shaft location. The air duct is connected to the fan exhaust flange through a clamp.
- Wall fixing with screws.
- Suitable for ceiling mounting.

Accessories



Air ducts

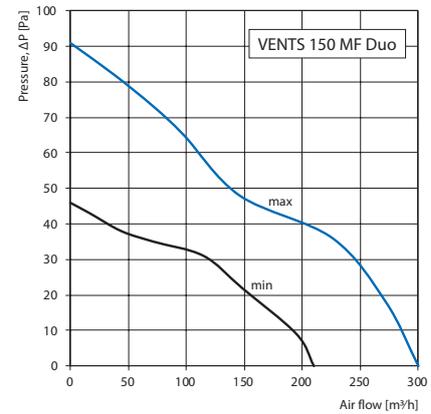
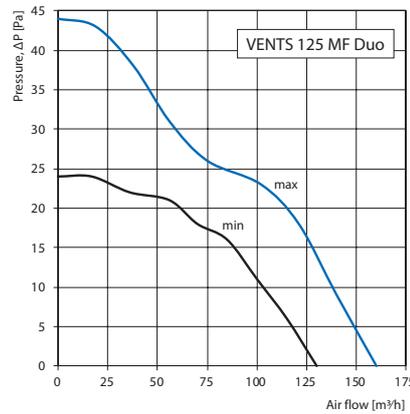
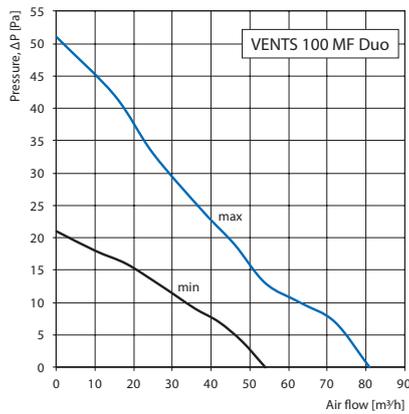
Grilles and hoods

Backdraft damper

Speed controllers

Clamps

Aerodynamic characteristics



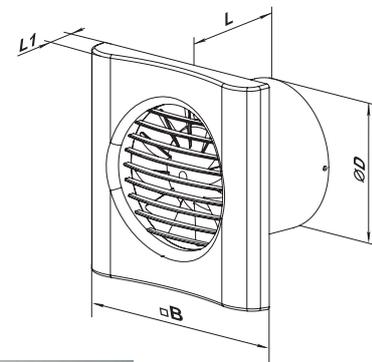
Technical data

| Model | Speed | Frequency [Hz] | Voltage [V] | Power [W] | Current [A] | Maximum air flow [m³/h] | RPM [min ⁻¹] | Sound Pressure Level [dBA]* | Weight [kg] | IP Code |
|------------------|-------|----------------|-------------|-----------|-------------|-------------------------|--------------------------|-----------------------------|-------------|---------|
| VENTS 100 MF Duo | min. | 50 | 220-240 | 5 | 0.030 | 54 | 1800 | 23 | 0.55 | IP44 |
| | max. | | | 8 | 0.050 | 81 | 2100 | 28 | | |
| VENTS 125 MF Duo | min. | 50 | 220-240 | 10 | 0.068 | 130 | 1100 | 29 | 0.78 | IP44 |
| | max. | | | 14 | 0.092 | 160 | 1800 | 33 | | |
| VENTS 150 MF Duo | min. | 50 | 220-240 | 18 | 0.079 | 210 | 1520 | 29 | 0.97 | IP44 |
| | max. | | | 21 | 0.085 | 300 | 2050 | 35 | | |

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

Overall dimensions

| Model | Dimensions [mm] | | | |
|------------------|-----------------|-----|-----|----|
| | Ø D | B | L | L1 |
| VENTS 100 MF Duo | 99 | 150 | 79 | 19 |
| VENTS 125 MF Duo | 124 | 180 | 85 | 21 |
| VENTS 150 MF Duo | 148 | 205 | 112 | 23 |



Application example



Certificates

The fans meet the applicable safety and electromagnetic compatibility standards.