LOW-NOISE AND ENERGY-SAVING AXIAL FANS

VENTS Silenta-M Series

Low-noise and low-watt axial fans for exhaust ventilation with air capacity up to 242 m³/h

**Design**
- Modern design and aesthetic look.
- The casing and the impeller are made of high-quality durable ABS plastic, UV resistant.
- The impeller design makes the fan efficiency high and the service life long.
- The fan and motor are specially designed for silent operation.
- Protection rating IP 34.

**Motor**
- Reliable motor with the minimum power consumption 7 W (for 100 mm diameter).
- Equipped with overheating protection.
- Suitable for ceiling mounting.
- The casing and the impeller are made of high-quality durable ABS plastic, UV resistant.

**Applications**
- Continuous or periodic exhaust ventilation of bathroom, showers, kitchens and other utility spaces.
- Ventilation of premises with high noise level limitations.
- Ventilation shaft mounting or duct connection.
- Optional accessories: backdraft damper, flange, clamps.

**Modifications and Options**
- **Silenta-M K** – fan is equipped with a backdraft damper for back flow preventing.
- **Silenta-M 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.
- **Silenta-MT** – equipped with a regulated timer with the operating time from 2 to 30 minutes.
- **Silenta-MTH** – 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%.
- **Silenta-MV** – equipped with a pull cord switch.
- **Silenta-MVT** – equipped with a pull cord switch and a regulated timer with the operating time adjustable from 2 to 30 minutes.
- **Silenta-MVTTH** – equipped with a pull cord switch, regulated timer with the operating time adjustable from 2 to 30 minutes and a humidity sensor with the threshold value from 60% to 90%.

**Aerodynamic characteristics**

**Technical data**

<table>
<thead>
<tr>
<th>Model</th>
<th>Frequency [Hz]</th>
<th>Voltage [V]</th>
<th>Power Consumption [W]</th>
<th>Current [A]</th>
<th>Maximum air capacity [m³/h]</th>
<th>Sound Pressure Level at 3 m [dB(A)]</th>
<th>Weight, kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>VENTS 100 Silenta-M</td>
<td>50/60</td>
<td>230</td>
<td>7</td>
<td>0,035</td>
<td>78</td>
<td>26</td>
<td>0,48</td>
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<tr>
<td>VENTS 125 Silenta-M</td>
<td>50/60</td>
<td>230</td>
<td>9,1</td>
<td>0,059</td>
<td>152</td>
<td>31</td>
<td>0,63</td>
</tr>
<tr>
<td>VENTS 150 Silenta-M</td>
<td>50</td>
<td>230</td>
<td>12,5</td>
<td>0,14</td>
<td>242</td>
<td>33</td>
<td>0,82</td>
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</table>

**Overall dimensions**

<table>
<thead>
<tr>
<th>Model</th>
<th>Dimensions (mm)</th>
<th>ØD</th>
<th>B</th>
<th>H</th>
<th>L</th>
<th>L1</th>
</tr>
</thead>
<tbody>
<tr>
<td>VENTS 100 Silenta-M</td>
<td>100 159 135 89 23</td>
<td>100</td>
<td>159</td>
<td>135</td>
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<tr>
<td>VENTS 125 Silenta-M</td>
<td>125 180 150 94 25</td>
<td>125</td>
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<td>150</td>
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<tr>
<td>VENTS 150 Silenta-M</td>
<td>150 206 182 106 26</td>
<td>150</td>
<td>206</td>
<td>182</td>
<td>106</td>
<td>26</td>
</tr>
</tbody>
</table>

**Mounting example**

- The fans meet the applicable safety and electromagnetic compatibility standards.

- Designed for continuous operation and requires no maintenance.
- 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.
- 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.
- Fitted 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.
- Automatic operation:
  - 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).
  - By the motion sensor and the timer TP (in case of exhaust ventilation the fan switches automatically on and operates within the set time period from 2 to 30 minutes. The motion sensitivity area is up to 4 meters and the maximum detection angle is 100°).

**Certificates**

- The fans meet the applicable safety and electromagnetic compatibility standards.