Axial window two-speed reverse fans for exhaust and supply ventilation with the capacity up to 202 m³/h

**Application**
- Permanent or periodic exhaust and supply ventilation of kitchens, garages, workshops and residential premises.
- For mounting in windows.

**Design**
- 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.
- The fan and motor are specially designed for silent operation.
- Fan is equipped with a thermal actuator that provides smooth opening and shutting of automatic louver shutters for air back flow preventing.
- Supplied with a three bottom control unit and 220 V - 12 V transformer.
- Transformer provides reliable fan operation with safe power supply 12 V.
- Protection rating IP 24.

**Motor**
- Reliable DC motor (12V) with low energy demand.
- Two-speed reverse DC motor provides fan operation both in supply and exhaust mode.
- Special motor design ensures low noise level.
- Designed for continuous operation and required no maintenance.
- Equipped with overload protection.

**Control**

**Manual control:**
- Three button control unit (included into delivery set) with integrated circuit board is used for:
  1. On/off switching;
  2. Fan speed switching on/off (min - max);
  3. Fan operation mode switching (exhaust mode - supply mode).

**Mounting features**
- Fan is installed directly into window opening.

**Fan off - louver shutters CLOSED**

**Fan on - louver shutters OPEN**
Aerodynamic characteristics

![Graph showing pressure drop versus airflow capacity for exhaust and supply modes.]

Technical Data

<table>
<thead>
<tr>
<th>Model</th>
<th>Mode</th>
<th>Speed</th>
<th>Voltage [V] at 50 Hz</th>
<th>Power Consumption [W]</th>
<th>Current [A]</th>
<th>RPM [min⁻¹]</th>
<th>Maximum air capacity [m³/h]</th>
<th>Sound Pressure Level at 3 m [dB(A)]</th>
<th>SEC class</th>
<th>Weight [kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>VENTS 150 MAO1 reverse</td>
<td>exhaust max</td>
<td>220-240</td>
<td>8.7</td>
<td>0.045</td>
<td>1950</td>
<td>202</td>
<td>33</td>
<td></td>
<td>E</td>
<td>1.53</td>
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<tr>
<td></td>
<td>min</td>
<td></td>
<td>5.2</td>
<td>0.025</td>
<td>1215</td>
<td>123</td>
<td>28</td>
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<tr>
<td></td>
<td>supply max</td>
<td></td>
<td>7.6</td>
<td>0.045</td>
<td>2030</td>
<td>187</td>
<td>32</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>min</td>
<td></td>
<td>5.1</td>
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<td>1210</td>
<td>110</td>
<td>26</td>
<td></td>
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</tbody>
</table>

Overall dimensions

<table>
<thead>
<tr>
<th>Model</th>
<th>Dimensions [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø D B H H1 L1 L2</td>
<td></td>
</tr>
<tr>
<td>VENTS 150 MAO1 reverse</td>
<td>150 212 195 66 60</td>
</tr>
</tbody>
</table>

Mounting examples

- Fan operation in EXHAUST mode
- Fan operation in reverse SUPPLY-EXHAUST mode

Certificates

The fans meet the applicable safety and electromagnetic compatibility standards.