Axial fans for exhaust ventilation with the capacity up to 349 m³/h

**Applications**
- Continuous or periodic exhaust ventilation of bathroom, showers, kitchens and other utility spaces.
- Ventilation shaft mounting or duct connection.
- Low to medium air flow motion for short distances at low air resistance.
- Compatible with Ø 100, 125 and 150 mm air ducts.

**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.
- Insect screen.
- Protection rating IP 34.

**Motor**
- Reliable and low-watt electric motor.
- Designed for continuous operation and requires no maintenance.
- Equipped with overheating protection.

**Modifications and Options**
- **PF1 L** – The motor is equipped with ball bearings for long service life (approx. 40 thousand hours) and fan mounting at any angle. The bearings are maintenance-free and contain enough grease for the entire operating period.
- **PF1 turbo** – high-powered motor.
- **PF1 press** – 5-blade low-noise impeller with improved aerodynamics for higher fan capacity.
- **PF1 12** – modification with low-voltage motor. 12 V AC power supply.
- **PF1T** – equipped with a regulated timer with the operating time from 2 to 30 minutes.

**Control**
**Manual:**
- The fan is controlled by a room light switch. It is not included in the delivery package.
- 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.

**Automatic:**
- 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).

**Mounting features**
- The fan is mounted directly into the ventilation shaft.
- 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.
- Fixed to wall by self-tapping screws.
- Suitable for ceiling mounting.
- For 12 V low-voltage motor fan connection to 220 V / 50 Hz power mains use the step-down transformer TRF 220/12-25 that is available upon separate order.

**Accessories**
- Air ducts
- Grilles and hoods
- Backdraft dampers
- Speed controllers
- Clamps
### Aerodynamic characteristics

![Aerodynamic characteristics graph]

### 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>R.p.m.</th>
<th>Maximum air capacity [m³/h]</th>
<th>Sound Pressure Level at 3 m [dB(A)]</th>
<th>Weight [kg]</th>
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<tbody>
<tr>
<td>VENTS 100 PF1</td>
<td>50/60</td>
<td>220-240</td>
<td>14</td>
<td>0,085</td>
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<td>100</td>
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### Overall dimensions

<table>
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<tr>
<th>Model</th>
<th>Dimensions [mm]</th>
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<td>125 166 134 15</td>
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<tr>
<td>VENTS 150 PF1</td>
<td>150 188 146 15</td>
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</tbody>
</table>

### Mounting example

![Mounting example image]

### Certificates

- CE
- ATEX
- EAC
- SGS
- RoHS
- IP 34

The fans meet the applicable safety and electromagnetic compatibility standards.