



## Low-noise and low-power exhaust fans **BAVARIA 100**

### FEATURES

- Continuous or periodic exhaust ventilation of bathroom, showers, kitchens and other residential premises.
- Wall and ceiling mounting.
- Modern design and aesthetic look.
- The casing, impeller and the front panel are made of high-quality and UV-resistant ABS plastic.
- The aerodynamic design of the impeller ensures high air flow and low noise level.
- The fan outlet pipe incorporates specially designed air rectifiers to reduce air turbulence, noise level and increase air pressure.
- The fan is equipped with a specially designed backdraft damper to prevent back flow and heat losses during the fan standby.
- Ventilation shaft mounting or connection to Ø 100 mm air ducts.

### MOTOR

- Reliable motor with low energy demand.
- Designed for continuous operation and requires no maintenance.
- Equipped with overheating protection.
- Equipped with ball bearings

### OPTIONS

| Model                | Bavaria 100 / Bavaria 100 (220-240V/60Hz) |   |    |    |   |    |
|----------------------|---|---|----|----|---|----|
| Option               | S   | T | TR | ST | H | SH |
| Pull cord switch     | •   |   |    | •  |   | •  |
| Turn-on delay timer  |   |   | •  |    | • | •  |
| Turn-off delay timer |   | • | •  |    | • | •  |
| Humidity Sensor      |   |   |    |    | • | •  |

- Turn-on delay timer
  - Adjustable delay time from 45 Seconds.
- Turn-off delay timer
  - Adjustable delay time from 2 to 30 minutes.
- Humidity sensor
  - Humidity sensor activation threshold is adjustable from 60 % to 90 %

### CONTROL

#### Manual:

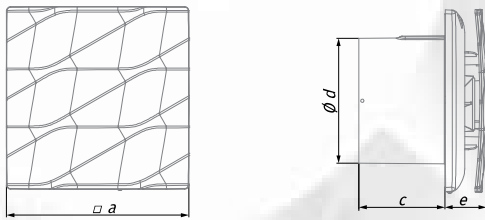
- The fan is operated via a light switch (not included in the delivery set).
- The fan is operated via the built-in pull cord switch «S» (option).

#### Automatic:

- By the MCD 60/0.3 electronic control unit. The control unit is supplied separately.
- By the timer (option). When the fan is turned on by the external switch, the turn-on delay timer is activated for 10 seconds up to 2 minutes. After the external switch is turned off the fan keeps operating for a set turn-off delay time period, adjustable from 2 to 30 minutes.
- By the timer and the humidity sensor (option). If the humidity level in the room exceeds the set value (60–90 %), the fan switches on automatically after the turn-on delay timer has completed and operates until the humidity level drops to the standard level. Then the fan continues operating within the time period according to the turn-off delay timer setting (from 2 to 30 minutes) and shuts down.

## OVERALL DIMENSIONS AND MOUNTING

- The fan is installed 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 Spigot with a clamp.
- Fixation to the wall or ceiling with screws.

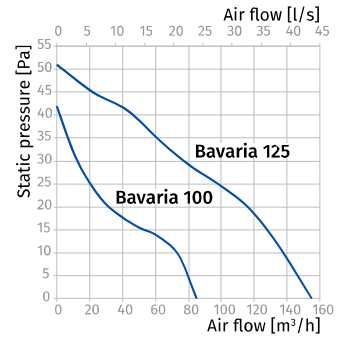


| Dimensions [mm] | a   | c  | Ød  | e  |
|-----------------|-----|----|-----|----|
| Bavaria 100     | 180 | 79 | 99  | 38 |
| Bavaria 125     | 180 | 85 | 124 | 41 |

## SPECIFICATIONS

| Model                              | Bavaria 100 | Bavaria 125 |
|------------------------------------|-------------|-------------|
| Voltage [V]                        | 220-240     | 220-240     |
| Frequency [Hz]                     | 50          | 50          |
| Power [W]                          | 8           | 18          |
| Current [A]                        | 0.05        | 0.11        |
| RPM [min <sup>-1</sup> ]           | 2000        | 2200        |
| Air flow [m <sup>3</sup> /h (l/s)] | 85 (24)     | 155 (43)    |
| SFP [W/l/s]                        | 0.33        | 0.42        |
| Sound pressure level [dBA]*        | 27          | 32          |
| Weight [kg]                        | 0.51        | 0.75        |

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



## APPLICATION EXAMPLE

