Awenta WV

Awenta WV 100mm Bathroom Extractor Fan Instruction Manual

Model: WV | Diameter: 100mm

1. Introduction

This instruction manual provides essential information for the safe and efficient installation, operation, and maintenance of your Awenta WV 100mm Bathroom Extractor Fan. Please read this manual thoroughly before installation and retain it for future reference.
The Awenta WV 100mm fan is designed for effective ventilation in bathrooms, toilets, and kitchens, helping to remove stale air and reduce humidity. It features a built-in timer for adjustable run-on control.

2. Safety Information

Important Safety Instructions:

- Always disconnect the power supply before installation, maintenance, or cleaning.
- Installation must be carried out by a qualified electrician in accordance with local wiring regulations.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- Ensure the fan is not obstructed during operation to prevent overheating.
- Do not install the fan directly above a shower or bath where it may be exposed to direct water spray, unless specifically rated for such conditions (IP20 rating means it is not protected against water jets).
- The fan must be properly earthed.

3. Product Overview

The Awenta WV 100mm fan is a compact and efficient extractor fan designed for wall or ceiling mounting. It features a durable plastic casing and a quiet motor. The integrated timer allows the fan to continue operating for a set period after the light switch (or other trigger) is turned off.



Figure 1: Front view of the Awenta WV 100mm Bathroom Extractor Fan. This image shows the white plastic casing, the central fan grille, and a small indicator light at the bottom right.

4. Technical Specifications



Figure 2: Original technical data table.

Parameter	Value
Airflow Capacity	100 m³/h
Compression	37.6 Pa
Power Consumption	15 W
Motor Speed	2500 RPM
Rated Frequency	50 Hz
AC Voltage	230 V
Protection Class	IP20
Noise Level (1m distance)	46 dB(A)
Dimensions (Width / Height / Depth)	159 / 179 / 85.1 mm
Diameter	Ø 100 mm
Weight	0.5 kg
Color	White
Material	Plastic

Note: The IP20 rating indicates protection against solid objects larger than 12.5mm, but no protection against water. This fan is suitable for Zone 3 in bathrooms, away from direct water spray.

5. Installation (Setup)

Before You Begin: Ensure the main power supply to the circuit is switched off at the consumer unit/fuse box. Verify with a voltage tester.

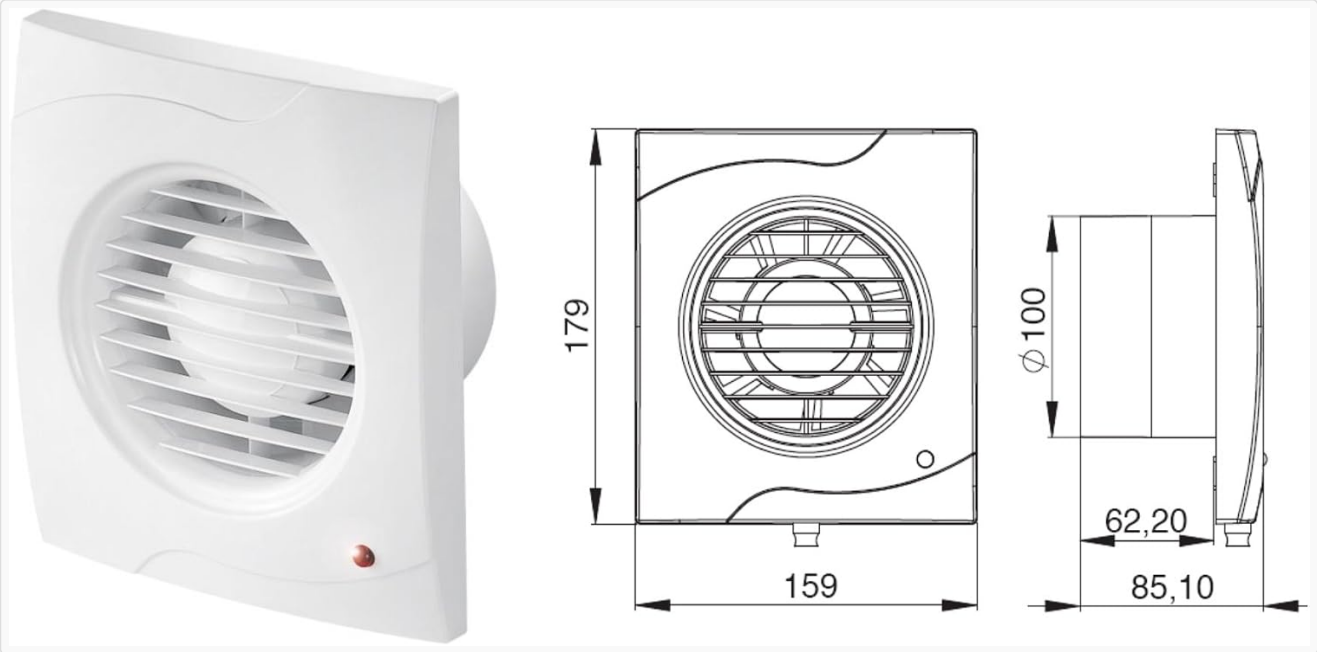


Figure 3: Awenta WV 100mm fan with key dimensions for installation. This image displays the fan from the front and side, with measurements for overall width, height, and depth, as well as the duct diameter.

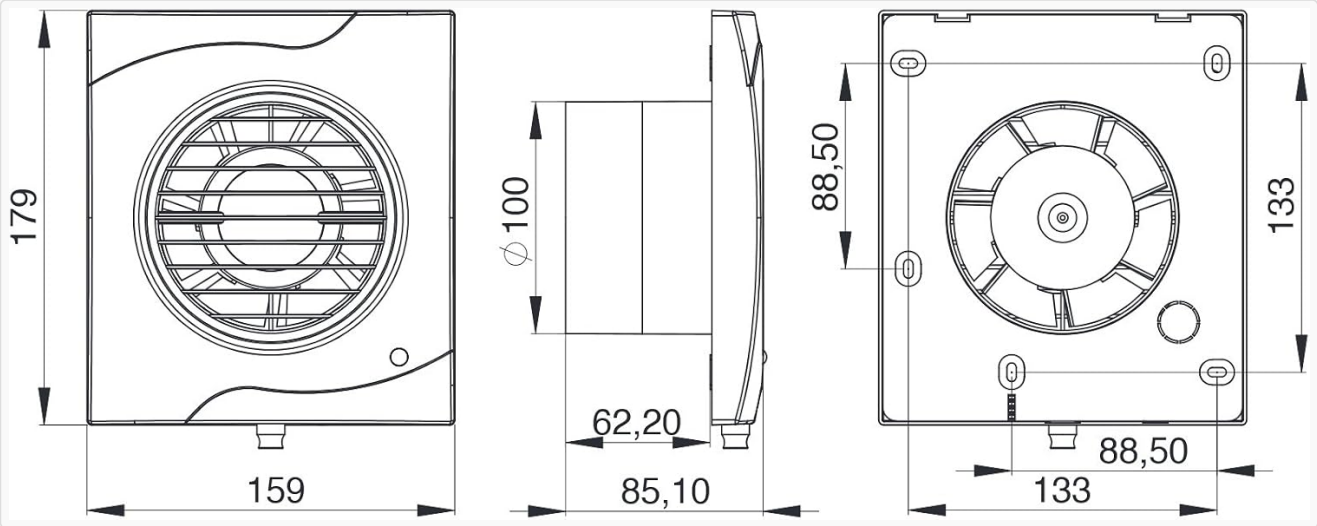


Figure 4: Detailed dimensions for mounting the Awenta WV 100mm fan. This image provides comprehensive measurements including mounting hole distances, overall dimensions, and duct diameter from multiple perspectives.

Installation Steps:

1. **Choose Location:** Select a suitable wall or ceiling location, ensuring it is within the appropriate bathroom zone (Zone 3 for IP20). The fan requires a 100mm diameter duct opening.
2. **Prepare Opening:** Create a circular opening of Ø 100mm for the fan duct.
3. **Mounting:** Detach the front cover of the fan. Mark the positions for the mounting screws using the fan's base as a template (refer to Figure 4 for detailed dimensions). Drill holes and insert wall plugs if necessary. Secure the fan body to the wall/ceiling using appropriate screws.
4. **Electrical Connection:** Connect the electrical wiring to the terminal block inside the fan. Ensure correct polarity (Live, Neutral, Switched Live for timer function). The fan operates on 230V AC, 50Hz.

5. **Timer Adjustment:** If your model includes a timer, adjust the run-on time using the small potentiometer inside the fan (usually accessible after removing the front cover). Use a small screwdriver to turn the dial to set the desired run-on duration (typically from 2 to 20 minutes).
6. **Reattach Cover:** Once wiring and timer adjustments are complete, securely reattach the front cover.
7. **Test:** Restore power and test the fan's operation, including the timer function.

6. Operation

The Awenta WV 100mm fan is designed for automatic operation, typically linked to a room's light switch or a separate switch.

- **Standard Operation:** When the connected light switch (or fan switch) is turned ON, the fan will start operating, extracting air from the room.
- **Timer Function (Run-on Control):** When the connected light switch (or fan switch) is turned OFF, the fan will continue to operate for the pre-set duration (as adjusted during installation). After this time, the fan will automatically switch off.
- **Indicator Light:** A small indicator light on the fan's front panel typically illuminates when the fan is active.

7. Maintenance

Regular cleaning will ensure optimal performance and longevity of your extractor fan.

- **Power Disconnection:** Always switch off the power supply to the fan at the main circuit breaker before performing any maintenance.
- **Cleaning the Front Cover:** Gently remove the front cover of the fan. Wipe it with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Cleaning the Fan Blades:** Carefully clean any dust or debris from the fan blades and the interior of the fan housing using a soft brush or a vacuum cleaner with a brush attachment. Avoid touching the motor.
- **Reassembly:** Once clean and dry, reattach the front cover securely.
- **Frequency:** It is recommended to clean the fan every 3-6 months, depending on the level of dust and humidity in the environment.

8. Troubleshooting

If you encounter issues with your Awenta WV 100mm fan, please check the following before contacting support:

Problem	Possible Cause	Solution
Fan does not turn on.	No power supply. Incorrect wiring. Faulty switch.	Check circuit breaker/fuse. Verify wiring connections (consult an electrician). Test the switch.
Fan runs continuously.	Timer set to maximum or faulty. Incorrect wiring (e.g., switched live permanently live).	Adjust timer setting. Check wiring (consult an electrician).
Fan is noisy.	Dust/debris on blades. Loose mounting. Motor issue.	Clean fan blades and housing. Ensure fan is securely mounted. If noise persists, contact support.

Problem	Possible Cause	Solution
Poor extraction.	Blocked ducting. Dirty fan blades. Insufficient air intake.	Check and clear ducting. Clean fan blades. Ensure adequate air supply to the room (e.g., gap under door).

9. Warranty and Support

Awenta products are manufactured to high-quality standards. For warranty information, please refer to the terms and conditions provided at the point of purchase or visit the official Awenta website. In case of technical issues or questions not covered in this manual, please contact your retailer or Awenta customer support.

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