

EUROPLAST X100ZHT

EUROPLAST X100ZHT 100mm Bathroom Fan User Manual

Model: X100ZHT

1. INTRODUCTION

This manual provides detailed instructions for the safe installation, operation, and maintenance of your EUROPLAST X100ZHT 100mm Bathroom Fan. Please read this manual thoroughly before installation and use to ensure optimal performance and safety.

The EUROPLAST X100ZHT is a quiet and efficient extractor fan designed for indoor use in bathrooms, kitchens, garages, and WCs. It features an electric internal closure, an adjustable timer, and a humidity sensor for automated operation.

2. SAFETY INFORMATION

Important: Always disconnect power before installation, maintenance, or repair. Installation should only be performed by a qualified electrician in accordance with local wiring regulations.

- Ensure the power supply voltage matches the fan's rating (230V-50Hz).
- Do not operate the fan with a damaged power cord or plug.
- Keep hands and foreign objects away from the fan blades during operation.
- 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 adequate ventilation in the room where the fan is installed to prevent backflow of gases from open-flued appliances.

3. PRODUCT OVERVIEW

The EUROPLAST X100ZHT is a 100mm diameter extractor fan designed for efficient air extraction. Key features include:

- **Electric Internal Closure:** Prevents backdraft when the fan is off.
- **Adjustable Timer:** Allows the fan to continue operating for a set period after being switched off.
- **Humidity Sensor:** Automatically activates the fan when humidity levels exceed a set threshold.
- **Ball Bearing Motor:** Ensures quiet and reliable operation, suitable for wall or ceiling mounting.

- **Durable Construction:** Made from high-quality ABS plastic.



Figure 1: Front-side view of the EUROPLAST X100ZHT Bathroom Fan. This image shows the fan's minimalist white grille and the "EXTRA" branding in the center.

4. SETUP AND INSTALLATION

The EUROPLAST X100ZHT fan is designed for easy installation in various settings, including bathrooms, kitchens, and garages. It is suitable for mounting on walls and connecting to 100mm round ducts.

4.1 Dimensions

Before installation, ensure adequate space is available. Refer to the dimensions diagram below:

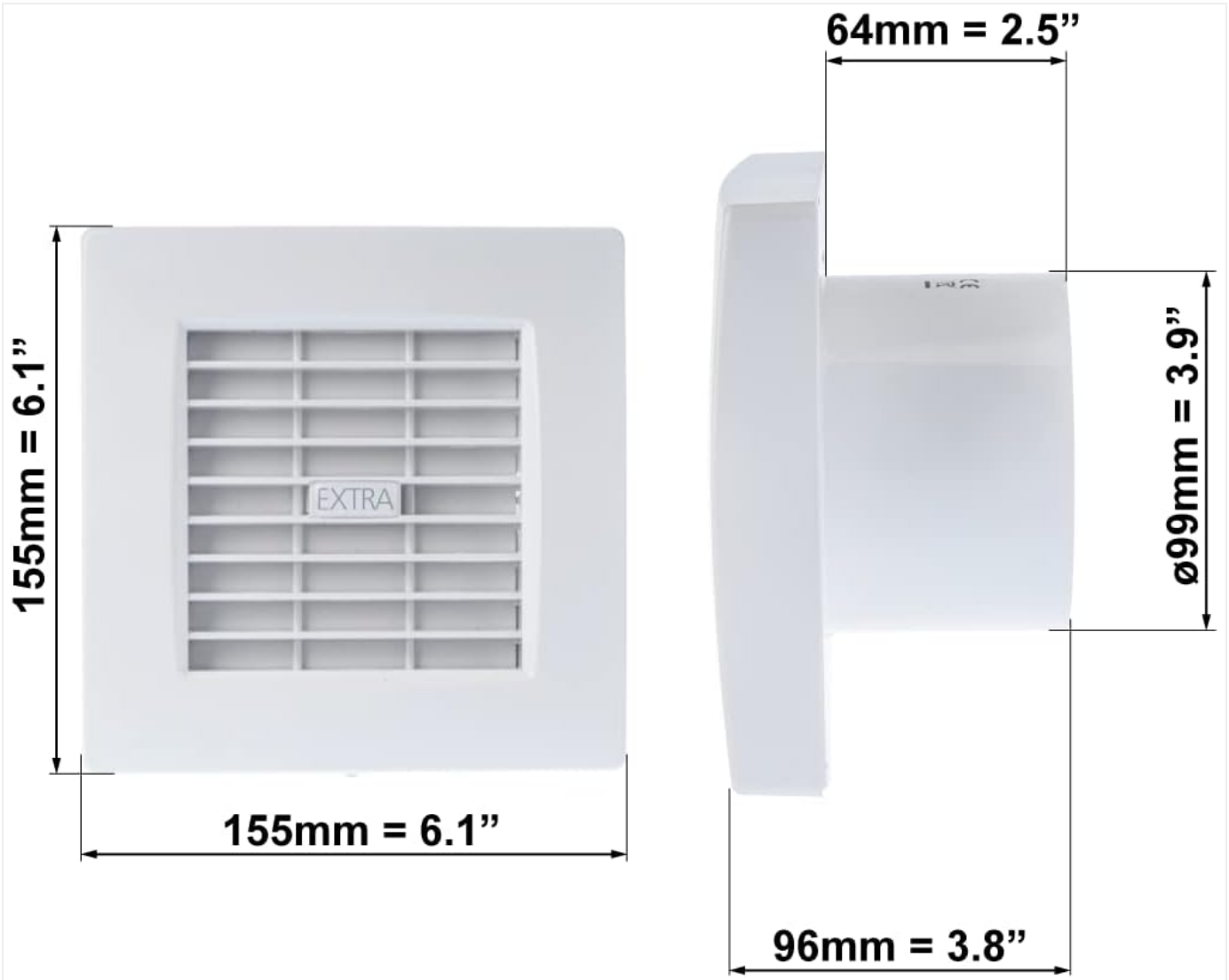


Figure 2: Dimensional drawing of the EUROPLAST X100ZHT fan. The front panel measures 155mm x 155mm (6.1 inches x 6.1 inches). The duct diameter is 99mm (3.9 inches), with a duct length of 96mm (3.8 inches) and a total depth from the wall of 64mm (2.5 inches).

4.2 Mounting

1. Choose a suitable location on the wall or ceiling, ensuring it is clear of obstructions and has access to the ducting.
2. Mark the mounting points using the fan's base as a template.
3. Drill holes for the mounting screws.
4. Secure the fan body to the wall/ceiling using appropriate fasteners.
5. Connect the fan to the 100mm round ducting.



Figure 3: Side view of the fan, illustrating the cylindrical duct connection point extending from the main unit. This shows how the fan connects to a ventilation duct.



Figure 4: Rear view of the fan, revealing the internal fan blades and motor housing. This perspective highlights the air intake side of the unit.

4.3 Electrical Connection

Warning: Electrical installation must be carried out by a qualified professional. Ensure power is disconnected at the mains before proceeding.

- Open the terminal cover on the fan unit.
- Connect the live (L), neutral (N), and switched live (LT) wires according to the wiring diagram provided inside the fan's terminal box.
- The switched live (LT) connection is typically used to link the fan to a light switch, allowing it to activate when the light is turned on.
- Close the terminal cover securely.

5. OPERATING INSTRUCTIONS

The EUROPLAST X100ZHT fan offers automated operation through its timer and humidity sensor functions.

5.1 Timer Function

The integrated timer allows the fan to continue running for a set duration after the main power switch (e.g., light switch) is turned off. The timer duration is adjustable, typically via a small potentiometer located inside the fan's casing (refer to internal diagrams for exact location).

- To adjust the timer, carefully remove the front grille (if applicable) and locate the timer adjustment screw.
- Use a small screwdriver to turn the screw: clockwise to increase the run-on time, counter-clockwise to decrease it.
- Test the setting by turning the fan on and then off, observing the run-on time.

5.2 Humidity Sensor Function

The humidity sensor automatically activates the fan when the ambient humidity level exceeds a pre-set threshold. This is ideal for maintaining optimal air quality in humid environments like bathrooms.

- The humidity sensor sensitivity is also adjustable, usually via a separate potentiometer next to the timer adjustment.
- Turn the adjustment screw to set the desired humidity activation threshold. Turning it clockwise typically increases sensitivity (fan activates at lower humidity), and counter-clockwise decreases sensitivity (fan activates at higher humidity).
- Test the setting by creating a humid environment (e.g., running a hot shower) and observing if the fan activates.



Figure 5: Internal view of the fan, showing the location of the adjustment screws for the timer and humidity sensor. These small controls allow users to customize the fan's automatic operation settings.

6. MAINTENANCE

Regular cleaning ensures optimal performance and extends the lifespan of your fan.

1. **Disconnect Power:** Always turn off the power supply to the fan at the mains before any cleaning or maintenance.
2. **Clean the Grille:** Carefully remove the front grille. Wipe it with a soft, damp cloth. For stubborn dirt, a mild detergent can be used. Ensure it is completely dry before reattaching.
3. **Clean Fan Blades:** Gently wipe the fan blades with a soft, damp cloth to remove dust and debris. Avoid bending the blades.
4. **Reassemble:** Once all parts are clean and dry, carefully reattach the grille.
5. **Frequency:** Clean the fan every 3-6 months, or more frequently in dusty or high-humidity environments.

7. TROUBLESHOOTING

If you encounter issues with your fan, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Fan does not turn on.	No power supply. Incorrect wiring. Faulty switch.	Check power at the mains. Verify wiring connections (consult a qualified electrician). Test the switch.
Fan runs continuously.	Timer set too long. Humidity sensor too sensitive. Incorrect wiring.	Adjust timer setting (Section 5.1). Adjust humidity sensor sensitivity (Section 5.2). Verify wiring connections.
Fan is noisy.	Dust/debris on blades. Loose mounting. Obstruction in ducting.	Clean fan blades (Section 6). Ensure fan is securely mounted. Check ducting for obstructions.
Fan does not extract air effectively.	Blocked grille/ducting. Fan blades dirty. Insufficient room ventilation.	Clean grille and check ducting for blockages. Clean fan blades (Section 6). Ensure adequate air intake into the room.

If the problem persists after attempting these solutions, please contact customer support.

8. SPECIFICATIONS

Technical specifications for the EUROPLAST X100ZHT fan:

Feature	Detail
Brand	EUROPLAST
Model Number	X100ZHT
Color	White - Internal Closure - Timer - Humidity Sensor
Diameter	100 Millimeters
Material	Plastic
Auto-stop Function	Yes
Noise Level	39 Decibels
Special Features	Timer, Humidity Sensor
Item Weight	630 g
Product Dimensions (L x W x H)	15.3 x 9.5 x 15.3 cm
Power Source	Corded Electric
Recommended Uses	Exhaust ventilation
Mounting Type	Wall Mount



Type	Voltage [V-Hz]	Power [W]	IP	Speed [rpm]	Air flow [m3/h]	Noise level at 1m [dB(A)]	Temperature min/max [°C]	Weight [kg]
X100	230V-50Hz	19	IP-44	2550	100	39	-25/+40	0,60
X120	230V-50Hz	20	IP-44	2360	150	42	-25/+40	0,69

Figure 6: Image showing the EUROPLAST X100ZHT fan alongside a table of technical specifications. This table provides details such as voltage, power, IP rating, speed, airflow, noise level, temperature range, and weight for both X100 and X120 models. For the X100ZHT, relevant data includes 230V-50Hz, 19W power, IP-44, 2550 rpm, 100 m3/h airflow, 39 dB(A) noise level, -25/+40 °C temperature, and 0.60 kg weight.

9. WARRANTY AND SUPPORT

Warranty: The EUROPLAST X100ZHT fan comes with a 2-year manufacturer's warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by improper installation, misuse, neglect, or unauthorized repairs.

Customer Support: For technical assistance, warranty claims, or further inquiries, please contact your retailer or the EUROPLAST customer service department. Please have your model number (X100ZHT) and proof of purchase ready when contacting support.

For more information, visit the official EUROPLAST website or contact your local distributor.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question