

EUROPLAST X100Z

EUROPLAST X100Z 100mm Bathroom Fan User Manual

Model: X100Z

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your EUROPLAST X100Z 100mm Bathroom Fan. This fan is designed for effective ventilation in bathrooms, kitchens, and garages, offering a quiet and efficient solution for air extraction.

The EUROPLAST X100Z features a minimalist design constructed from high-quality ABS plastic and is equipped with a durable ball bearing motor, suitable for wall or ceiling mounting. It is designed to combat humidity and odors effectively.

2. SAFETY INFORMATION

Please read all safety instructions carefully before installation and operation. Failure to follow these instructions may result in electric shock, fire, or personal injury.

- Always disconnect power before installation, maintenance, or cleaning.
- Installation should be performed by a qualified electrician in accordance with local wiring regulations.
- Do not install the fan directly above a shower or bath unless specifically rated for such use and protected by a suitable RCD (Residual Current Device).
- Ensure the fan is not obstructed by curtains, furniture, or other objects that could impede airflow.
- 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.
- The fan is designed for extracting air only. Do not use it to extract flammable or explosive gases.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged:

- EUROPLAST X100Z Bathroom Fan Unit
- Mounting Screws and Wall Plugs

4. SETUP AND INSTALLATION

The EUROPLAST X100Z fan is designed for easy vertical wall mounting and can be integrated with a light switch for convenient operation. It is suitable for connection to all types of round ducts (sheet metal, flexible aluminum, plastic, or fabric).

4.1 Dimensions

Before installation, ensure adequate space and ducting are available. Refer to the dimensions diagram below:

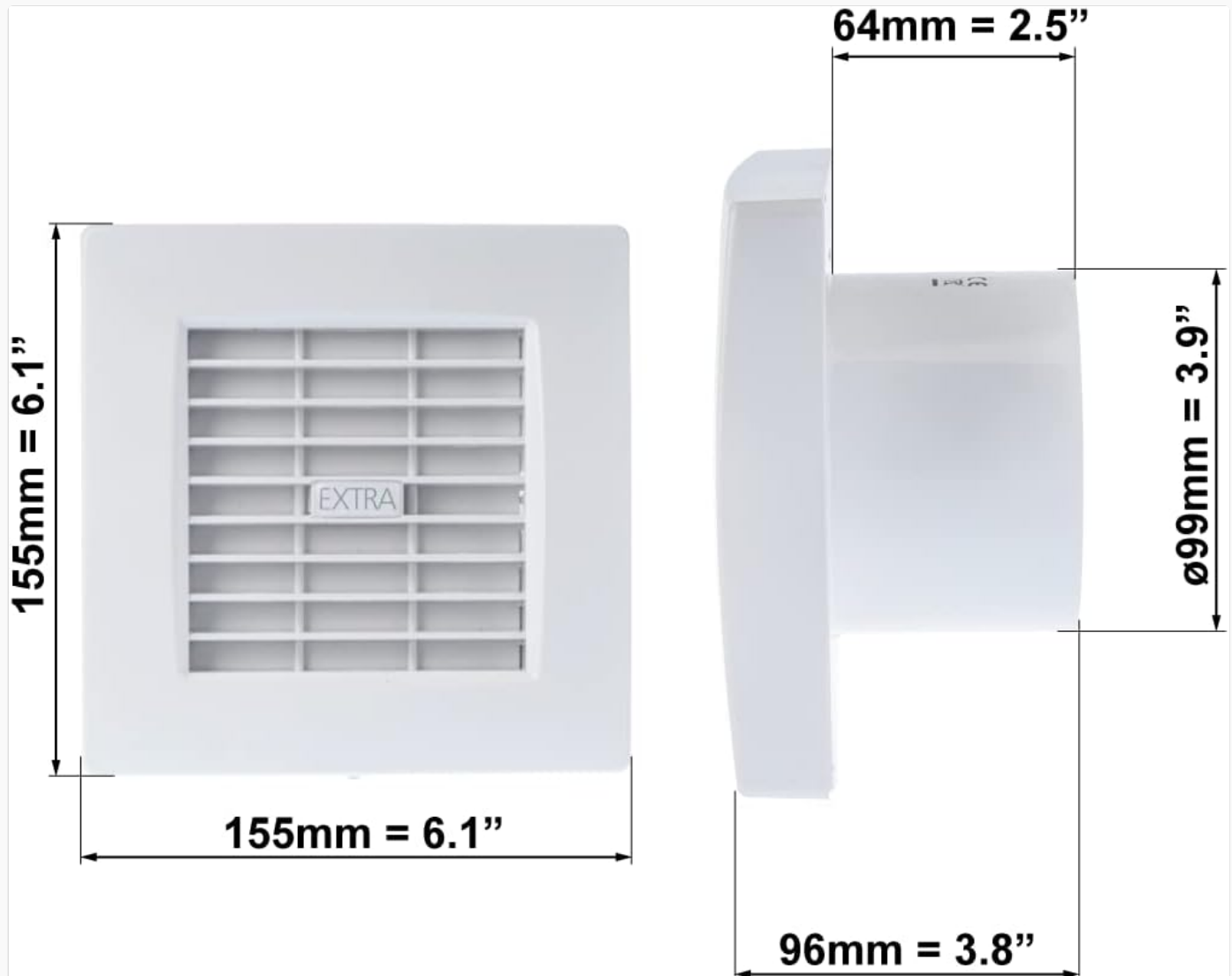


Figure 1: EUROPLAST X100Z Fan Dimensions. The fan has a 155mm x 155mm faceplate, a 99mm diameter duct, and a duct length of 96mm.

4.2 Mounting

1. **Prepare the Mounting Location:** Choose a suitable wall location, ensuring it is clear of obstructions and has access to power and ducting. The fan requires a 100mm (approximately 3.9 inches) diameter opening for the duct.
2. **Mark Drilling Points:** Hold the fan unit against the wall in the desired position. Use a pencil to mark the four mounting screw holes on the corners of the fan's base plate.
3. **Drill Holes:** Drill holes at the marked points using an appropriate drill bit for your wall material. Insert the provided wall plugs.
4. **Connect Ducting:** Connect the appropriate 100mm ducting to the fan's exhaust port. Ensure a secure and airtight

connection.

5. **Secure the Fan:** Align the fan with the drilled holes and secure it to the wall using the provided screws. Do not overtighten.



Figure 2: Rear view of the fan, illustrating the mounting points and duct connection.

4.3 Electrical Wiring

WARNING: Electrical wiring should only be performed by a qualified electrician. Ensure power is disconnected at the main circuit breaker before proceeding.

1. **Access Wiring Terminal:** Locate the wiring terminal block on the fan unit. This is typically found by removing a small cover on the rear or side of the fan.
2. **Connect Wires:** Connect the live (L) and neutral (N) wires from your electrical supply to the corresponding terminals on the fan. The fan is designed to be connected to a standard 230V-50Hz supply.
3. **Grounding:** Ensure proper grounding if required by local regulations.
4. **Secure Wiring:** Ensure all connections are tight and secure. Replace the terminal cover.



Figure 3: Detail of the electrical wiring terminal block.

5. OPERATING INSTRUCTIONS

The EUROPLAST X100Z fan is designed for simple operation, typically controlled via an external switch, such as a light switch.

1. **Power On:** Once installed and wired, turn on the power supply to the fan at the main circuit breaker.
2. **Activate Fan:** If connected to a light switch, turning on the light will activate the fan. If connected to a dedicated switch, simply toggle the switch to the 'ON' position.
3. **Deactivate Fan:** To turn off the fan, toggle the controlling switch to the 'OFF' position.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your fan. Always disconnect power before performing any maintenance.

- Cleaning the Grille:** Periodically wipe the exterior grille with a soft, damp cloth to remove dust and debris. Do not use abrasive cleaners or solvents.
- Internal Cleaning:** For deeper cleaning, carefully remove the front grille (if detachable) and gently clean the fan blades with a soft brush or cloth. Ensure no moisture enters the motor housing.
- Motor:** The fan is equipped with a ball bearing motor, which typically requires no lubrication.
- Reassembly:** After cleaning, ensure all parts are dry and securely reassembled before restoring power.

7. TROUBLESHOOTING

If you encounter issues with your EUROPLAST X100Z fan, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Fan does not turn on	No power supply Faulty wiring Faulty switch	Check circuit breaker and power supply. Verify wiring connections (consult an electrician). Test the switch.
Low airflow	Blocked grille or ducting Fan blades dirty	Clean the fan grille and check ducting for obstructions. Clean fan blades as per maintenance section.
Unusual noise or vibration	Loose mounting Obstruction in fan blades Damaged motor	Ensure fan is securely mounted. Disconnect power and check for foreign objects in fan blades. If noise persists, contact support.

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

8. SPECIFICATIONS

Detailed technical specifications for the EUROPLAST X100Z fan:



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 4: EUROPLAST X100Z Technical Specifications Table.

Feature	Specification
Model	X100Z
Brand	EUROPLAST
Voltage	230V-50Hz
Power	19 Watts
Diameter	100 Millimeters
Material	Plastic (ABS)
Noise Level	39 Decibels (at 1m)
Airflow	100 m³/h
IP Rating	IP-44
Speed	2550 rpm
Temperature Range	-25°C to +40°C
Dimensions (L x W x H)	15.3 x 9.5 x 15.3 cm

Feature	Specification
Item Weight	610 grams
Special Features	Portable, Water Resistant, Waterproof (referring to IP rating)
Mounting Type	Wall Mount

9. WARRANTY AND SUPPORT

The EUROPLAST X100Z fan comes with a **two-year warranty** from the date of purchase, covering manufacturing defects. Please retain your proof of purchase for warranty claims.

For technical support, warranty claims, or any questions not covered in this manual, please contact your retailer or the EUROPLAST customer service department.

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