

EUROPLAST EET100HT

EUROPLAST Ø 100mm Silent Extractor Fan with Humidity Sensor and Timer User Manual

Model: EET100HT

1. PRODUCT OVERVIEW

The EUROPLAST Ø 100mm Silent Extractor Fan is designed to improve air quality and create a comfortable environment by effectively removing excess humidity and odors from bathrooms, kitchens, garages, and other areas. Constructed from high-quality ABS plastic, this fan ensures durability and longevity, even in humid conditions. It combines robust performance with quiet operation, featuring a powerful motor that quickly eliminates steam and moisture at a low noise level.

Key features include:

- **Ø 100mm Extractor Fan:** Efficiently removes excess humidity, steam, and odors.
- **Durable ABS Plastic Construction:** Ensures exceptional durability and moisture resistance.
- **Silent Motor:** Powerful yet quiet operation (32 dB(A) at 3m).
- **IPX4 Rating:** Protects against water splashes, safe for humid environments.
- **Removable Front Cover:** Provides a sleek appearance and simplifies maintenance.
- **Smart Humidity Control:** Integrated sensor activates the fan automatically (60-90% RH).
- **Customizable Timer:** Adjustable run-on timer from 1 to 30 minutes.
- **Manual Operation Option:** Allows for immediate ventilation when needed.
- **Easy Installation:** Compatible with all types of round air ducts, suitable for wall or ceiling mounting.



BATHROOM EXTRACTOR FAN



Low Noise



Durable
Construction



Energy Saving



Improves Air
Quality



Figure 1: Europlast Ø 100mm Extractor Fan highlighting low noise, durable construction, energy saving, and improved air quality.



SUITABLE FOR VARIOUS APPLICATIONS

The Perfect Blend of Style and Functionality

- ✓ Equipped with a front panel
- ✓ High-Quality plastic
- ✓ Easy Installation and Maintenance

Indoor Application



Ideal for Bathroom,
Kitchen, Garage., etc



Figure 2: Examples of the Europlast Extractor Fan installed in a bathroom, kitchen, and garage, demonstrating its versatility.

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 repair.
- Installation must be performed by a qualified electrician and in accordance with all local and national wiring regulations.
- Ensure the power supply voltage matches the fan's specifications (230 V / 50 Hz).
- Do not install the fan where it may be directly exposed to water jets. The IPX4 rating protects against splashes, not direct immersion or high-pressure water.
- The motor is equipped with a thermal fuse for safety.
- Keep children and unauthorized persons away from the installation area.

- Do not obstruct the air inlet or outlet of the fan.
- 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.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged:

- EUROPLAST Ø 100mm Extractor Fan (Model EET100HT)
- Instruction Manual (this document)
- Mounting screws and wall plugs (may vary by package)

4. INSTALLATION AND SETUP

The fan is designed for wall or ceiling mounting and is compatible with all types of round air ducts. Ensure proper ventilation and access to a suitable power supply (230V/50Hz).

4.1. Choosing a Location

Select a location in your bathroom, kitchen, or other desired area that allows for effective air extraction. Ensure there is sufficient space for the fan and ducting, and that the location is not directly above a shower or bath where it could be exposed to direct water spray.

4.2. Mounting the Fan

1. **Disconnect Power:** Before starting, ensure the main power supply to the installation area is switched off at the circuit breaker.
2. **Prepare the Opening:** Create a circular opening of Ø 100mm in the wall or ceiling for the fan duct.
3. **Position the Fan:** Place the fan unit against the wall or ceiling, ensuring the duct connection aligns with the opening. Mark the positions for the screw holes.
4. **Drill Holes:** Drill pilot holes at the marked positions. Insert wall plugs if necessary.
5. **Secure the Fan:** Attach the fan securely to the wall or ceiling using appropriate screws.



FAN BUILT FOR NON-STOP PERFORMANCE

Silent Operation

Energy Efficient Silent
Motor with Slide
Bearing

Safety

Motor is equipped
with thermal fuse



Compatible with
all types of
Round Air Ducts

IPX4

Withstands
Water Splashes

Screw Holes

Wall and Ceiling
Mounting



BEST
FOR
YOU

EUROPLAST

Figure 3: Internal view of the fan, illustrating screw holes for wall/ceiling mounting and compatibility with round air ducts.

4.3. Electrical Connection

WARNING: Electrical connections must be made by a qualified electrician. Ensure power is disconnected.

1. Remove the front cover of the fan to access the wiring terminal block.
2. Connect the live (L), neutral (N), and switched live (LT) wires from your electrical supply to the corresponding terminals on the fan. The switched live (LT) is typically connected to a light switch or a separate switch for manual operation.
3. Ensure all connections are secure and properly insulated.
4. Replace the front cover.



EXTRACTOR FAN OPERATING PRINCIPLE



Extractor Fan
with Timer and Humidity Sensor



* turns on at the set humidity level or when it is turned on together with the light switch and turns off for the set timer time after the light switch or the humidity sensor turns off



Figure 4: Diagram showing the internal components and wiring terminals for the humidity sensor and timer settings.

5. OPERATING INSTRUCTIONS

The EUROPLAST extractor fan features both automatic humidity-controlled operation and a customizable timer function, along with an option for manual activation.

5.1. Humidity Sensor Operation

The integrated humidity sensor automatically activates the fan when the humidity level in the room reaches a predefined threshold (adjustable from 60% to 90% Relative Humidity). The fan will continue to operate until the humidity drops below the set level, or for the duration of the set timer if activated by a light switch.

5.2. Timer Function

The fan includes a customizable run-on timer, adjustable from 1 to 30 minutes. This timer allows the fan to continue operating for a set period after the light switch is turned off or after the humidity level drops. To adjust the timer, carefully

remove the front cover and use a small screwdriver to turn the timer adjustment screw (refer to Figure 4).

5.3. Manual Operation

For immediate ventilation, the fan can be manually activated using an external switch (e.g., a light switch connected to the switched live terminal). When the switch is turned on, the fan will operate. When the switch is turned off, the fan will continue to run for the duration set by the timer function.



Figure 5: Detailed view of the control board, showing adjustment points for humidity sensitivity and timer duration.

6. MAINTENANCE

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

6.1. Cleaning the Fan

1. **Disconnect Power:** Turn off the power supply to the fan at the circuit breaker.
2. **Remove Front Cover:** Gently unclip or unscrew the front cover of the fan.
3. **Clean Surfaces:** Use a soft, damp cloth to wipe down the fan blades, housing, and front cover. Do not use abrasive cleaners or solvents.
4. **Reassemble:** Once clean and dry, reattach the front cover securely.
5. **Restore Power:** Turn the power supply back on.



Figure 6: The fan's front cover can be easily removed for cleaning and maintenance.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Fan does not turn on.	No power supply; incorrect wiring; thermal fuse tripped.	Check circuit breaker and power connections. Verify wiring. If thermal fuse tripped, allow to cool and check for obstructions. Consult a qualified electrician.
Fan runs continuously.	Humidity sensor set too low; timer set too long; faulty sensor/timer.	Adjust humidity sensor sensitivity or timer duration (refer to Section 5). If problem persists, contact support.
Fan is noisy.	Obstruction in fan blades; loose mounting; motor issue.	Disconnect power and check for obstructions. Ensure fan is securely mounted. If noise persists, contact support.
Poor air extraction.	Blocked ducting; dirty fan blades; insufficient room ventilation.	Check ducting for blockages. Clean fan blades (refer to Section 6). Ensure adequate air intake into the room.

8. SPECIFICATIONS

Technical details for the EUROPLAST Ø 100mm Extractor Fan (Model EET100HT):

- **Model Number:** EET100HT
- **Diameter:** 100mm (3.94 inches)
- **Power:** 15 Watts
- **Voltage:** 230 V / 50 Hz
- **Rotation Speed:** 2550 rpm
- **Airflow:** 100 m³/h
- **Noise Level (at 3m):** 32 dB(A)
- **Material:** High-quality ABS Plastic
- **Color:** White
- **Product Dimensions (L x W x H):** 14.5 x 8 x 14.5 cm (5.7 x 3.15 x 5.7 inches)
- **Weight:** 563 g
- **Humidity Sensor Range:** 60% to 90% RH
- **Timer Duration:** 1 to 30 minutes
- **Operating Temperature:** +5°C to +40°C
- **Protection Class:** IPX4 (Splash-proof)
- **Mounting Type:** Wall or Ceiling

SPECIFICATION

- Diameter: 99mm / ~ 3.89 in
- Noise Level: 32 dB(A)
- Speed: 2550 rpm
- Temperature: +5°C ... +40°C
- Humidity sensor range: 60-90%
- Timer duration: 1 to 30 minutes

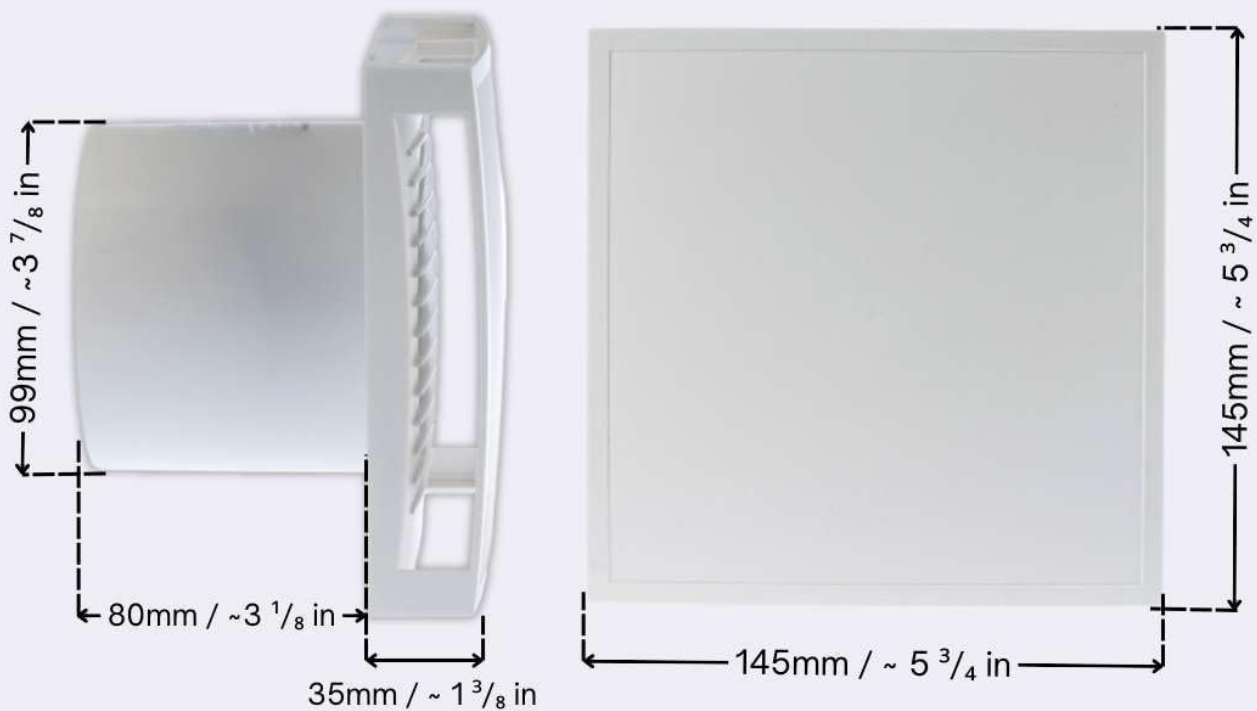


Figure 7: Visual representation of the fan's dimensions and key specifications.

9. WARRANTY AND SUPPORT

9.1. Warranty Information

Specific warranty details for this product may vary by region and retailer. Please refer to your purchase documentation or contact your point of sale for information regarding the warranty period and terms. Keep your proof of purchase for any warranty claims.

9.2. Customer Support

For technical assistance, troubleshooting beyond this manual, or spare parts inquiries, please contact EUROPLAST customer support or your authorized dealer. When contacting support, please have your product model number (EET100HT) and purchase date available.

You can often find contact information on the EUROPLAST official website or on your product packaging.

