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## Zomagas 80D4

# Zomagas 80D4 Bathroom Exhaust Fan User Manual

Model: 80D4 | Brand: Zomagas

## 1. INTRODUCTION

This manual provides detailed instructions for the safe installation, operation, and maintenance of your Zomagas 80D4 Bathroom Exhaust Fan. Please read this manual thoroughly before installation and use, and retain it for future reference.

### 1.1 Safety Information

- Always disconnect power at the circuit breaker before installing or servicing the fan.
- Installation must comply with all local electrical codes and standards.
- Ensure proper grounding to reduce the risk of electric shock.
- Do not install this fan in a cooking area.
- Wear safety glasses and gloves during installation.
- Keep children away from the work area.

## 2. PACKAGE CONTENTS

Verify that all components listed below are included in your package:

- 1 x Zomagas Bathroom Exhaust Fan (Housing with Motor)
- 1 x Fan Grille
- 1 x Duct Connector (4-inch)
- 1 x Set of Installing Accessories (Screws, Wire Nuts)
- 1 x User Manual (This Document)



Figure 2.1: Included components of the Zomagas 80D4 Bathroom Exhaust Fan.

The image above displays the main components you should find in your package: the fan grille, the fan housing with the motor, the duct connector, and the necessary installing screws.

### 3. SPECIFICATIONS

Feature	Detail
Brand	Zomagas
Model Number	80D4
Air Flow Capacity	110 CFM (Cubic Feet Per Minute)
Noise Level	1.0 Sone (approx. 40dB)

Wattage	26 Watts
Power Source	AC
Voltage	120V/60Hz
Product Dimensions (Housing)	7.32"D x 7.55"W x 5.75"H
Ceiling Mounting Opening Size	7-3/4" x 7-1/2"
Exhaust Fan Cover Size	11.81" x 11.81"
Duct Connector Diameter	4 inches
Room Type	Bathroom, Garage, Laundry Room
Special Features	Quiet Operation, Energy-Saving, Easy Installation, Modern Style

## 4. INSTALLATION

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This section outlines the steps for installing your Zomagas 80D4 Bathroom Exhaust Fan. Ensure all safety precautions are followed.

### 4.1 Pre-Installation Checks

- Confirm the ceiling opening size is approximately 7-3/4" x 7-1/2".
- Ensure you have access to the electrical wiring and ductwork.
- Gather necessary tools: screwdriver, wire stripper, drill, measuring tape, utility knife.

### 4.2 Mounting the Fan Housing

1. **Turn off power:** Locate the circuit breaker for the installation area and turn off the power. Verify with a voltage tester.
2. **Prepare the opening:** If replacing an old fan, remove it. If new installation, cut a ceiling opening of 7-3/4" x 7-1/2".
3. **Position the housing:** Insert the fan housing into the ceiling opening. The housing features mounting tabs for securing it to ceiling joists or framing.
4. **Secure the housing:** Use the provided screws to firmly attach the fan housing to the ceiling structure.

# Easy to Install

Suitable Ceiling Opening Size: 7-3/4" x 7-1/2"  
Please confirm the size before purchase



Figure 4.1: Fan dimensions and recommended ceiling opening size for installation.

This diagram illustrates the critical dimensions for the fan housing and the required ceiling opening. Accurate measurement is essential for a proper fit.

## 4.3 Electrical Wiring

5. **Connect the duct:** Attach the 4-inch duct connector to the fan housing. Secure it with duct tape or a clamp (not included) to ensure an airtight seal. Connect the duct to the outside vent.
6. **Access wiring box:** Open the wiring box cover on the fan housing.
7. **Make electrical connections:** Connect the household wiring to the fan's wires (black to black, white to white, green/bare to green/ground) using the provided wire nuts. Ensure all connections are secure.
8. **Close wiring box:** Carefully tuck all wires into the wiring box and close the cover.



Figure 4.2: The fan housing with the duct connector attached, illustrating the electrical connection area.

This image provides a visual reference for connecting the ductwork and accessing the electrical wiring compartment on the side of the fan housing.

#### 4.4 Attaching the Fan Grille

9. **Install the motor:** Ensure the fan motor is securely plugged into its receptacle within the housing.
10. **Attach grille:** Squeeze the mounting springs on the fan grille and insert them into the rectangular slots in the fan housing. Push the grille firmly against the ceiling until it is flush.
11. **Restore power:** Turn the power back on at the circuit breaker.
12. **Test the unit:** Turn on the fan switch to ensure proper operation.



Figure 4.3: The Zomagas exhaust fan fully installed, showcasing its modern design.

This image displays the fan after complete installation, highlighting its flush-mount design and how it integrates into the ceiling.

## 5. OPERATING INSTRUCTIONS

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The Zomagas 80D4 Bathroom Exhaust Fan is designed for simple operation.

- **Power On/Off:** Operate the fan using a standard wall switch connected to the fan's electrical circuit.
- **Optimal Use:** For effective moisture and odor removal, turn on the fan before showering or bathing and allow it to run for at least 15-20 minutes after.
- **Quiet Operation:** This fan operates at a low noise level of 1.0 Sone, ensuring minimal disturbance.



Figure 5.1: The fan's quiet operation, suitable for use in bedrooms or other quiet spaces.

This image emphasizes the low noise output of the fan, making it ideal for maintaining comfort without disruption.

# Effective Ventilation

Removes the odors, humidity and sultry heat



Figure 5.2: Visual representation of the fan's effectiveness in removing humidity and odors from a bathroom.

This visual comparison highlights the fan's ability to clear steam and odors, improving air quality in enclosed spaces.

## 6. MAINTENANCE

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Regular maintenance ensures optimal performance and longevity of your exhaust fan.

### 6.1 Cleaning the Fan Grille

1. **Disconnect power:** Always turn off power at the circuit breaker before cleaning.
2. **Remove grille:** Gently pull down the fan grille to disengage the mounting springs.
3. **Clean grille:** Wash the grille with mild soap and water. Rinse thoroughly and dry completely before reinstallation.
4. **Reinstall grille:** Squeeze the mounting springs and insert them back into the slots until the grille is flush with the ceiling.

### 6.2 Cleaning the Fan Interior

- With the grille removed and power off, use a vacuum cleaner with a brush attachment to remove dust and debris from the fan blades and interior housing.
- Do not use water or liquid cleaners directly on the motor or electrical components.

## 7. TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Fan does not operate	No power, loose wiring, faulty switch	Check circuit breaker. Verify electrical connections. Test wall switch.
Fan is noisy	Loose mounting, debris in fan, motor issue	Ensure housing is securely mounted. Clean fan blades. If noise persists, contact support.
Low airflow	Blocked duct, dirty fan blades, improper duct size	Check ductwork for obstructions. Clean fan blades. Ensure 4-inch duct is used.

## 8. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact Zomagas customer service directly. Keep your purchase receipt as proof of purchase.

**Contact Information:** Please visit the official Zomagas website or refer to the contact details provided with your product for assistance.



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