Broan-NuTone BHF110

Broan-NuTone PowerHeat Bathroom Exhaust Fan and Heater Instruction Manual

Model: BHF110 | Brand: Broan-NuTone

1. Product Overview

The Broan-NuTone PowerHeat Exhaust Fan and Heater Combo is designed to provide superior comfort and ventilation in bathrooms. This innovative unit combines powerful odor extraction with instant heating, ensuring a comfortable environment, especially during colder months. It is engineered for continuous operation and features a modern design that complements various bathroom decors.

Key Features:

- HIGH-QUALITY FAN AND HEATER COMBO: Fan and heater function independently or together to provide superior comfort in bathrooms up to 105 sq. ft. at 110 CFM and 2.0 sones
- DECORATIVE DESIGN: White grille and modern design complement virtually any decor
- POWERFUL NON-LIT HEATER: 1500-watt heater provides efficient heating throughout any room
- EFFICIENT OPERATION: Fan is UL listed, the air and sound ratings are HVI Certified, and the motor is engineered for continuous operation
- COMPACT SIZE: Fits 2" x 6" ceiling construction and features rugged galvanized steel housing



Figure 1: Broan-NuTone PowerHeat Bathroom Exhaust Fan and Heater, showcasing its compact design and white grille.



Figure 2: The fan and heater unit seamlessly integrated into a modern bathroom ceiling, demonstrating its discreet appearance.

2. Setup and Installation

Proper installation is crucial for the optimal performance and safety of your Broan-NuTone PowerHeat unit. This unit is designed to fit into 2" x 6" ceiling construction.

Installation Overview:

1. **Preparation:** Ensure power is turned off at the circuit breaker before beginning any installation. Clear the installation area in the ceiling.
2. **Mounting:** Secure the rugged galvanized steel housing between ceiling joists. The unit features integrated mounting brackets for ease of installation.
3. **Duct Connection:** Connect the appropriate ductwork to the fan's exhaust port. Ensure a tight seal to prevent air leakage and maximize efficiency.
4. **Electrical Wiring:** Wire the unit according to local electrical codes and the provided wiring diagram. The fan and heater functions can be wired to operate independently or together, depending on your switch configuration.
5. **Grille Installation:** Once the main unit is secured and wired, attach the decorative white grille to the housing.

For detailed step-by-step instructions, please refer to the official installation manual:

Download Installation Manual (PDF)

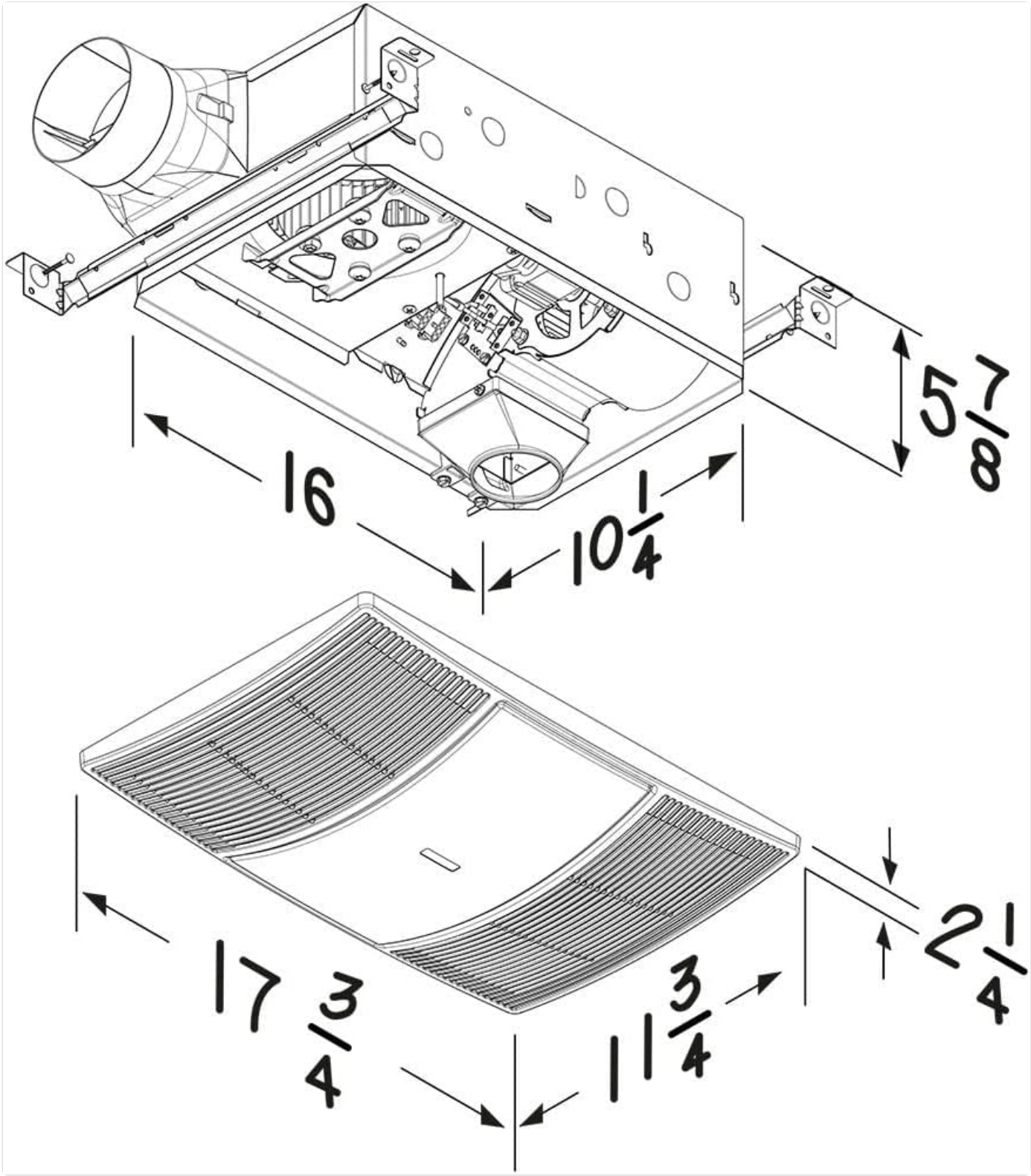


Figure 3: Detailed diagram showing the dimensions and internal components of the Broan-NuTone PowerHeat unit, essential for proper installation planning.

3. Operating Instructions

The Broan-NuTone PowerHeat unit offers versatile operation for both ventilation and heating.

Fan Operation:

The exhaust fan effectively removes odors and moisture from your bathroom. Activate the fan using the designated wall switch. The 110 CFM airflow capacity is suitable for rooms up to 105 sq. ft., ensuring efficient air circulation.

Heater Operation:

The 1500-watt heater provides instant warmth. Activate the heater using its dedicated wall switch. The heater can be operated independently of the fan, allowing you to warm the room without ventilation, or simultaneously with the fan for combined comfort and air movement.

Combined Operation:

Depending on your wiring setup, you can operate the fan and heater together for comprehensive climate control. This is ideal for quickly warming the bathroom while also removing steam after a shower.

4. Maintenance

Regular maintenance ensures the longevity and efficient performance of your Broan-NuTone PowerHeat unit.

Cleaning the Grille:

Periodically clean the exterior grille to prevent dust and debris buildup, which can impede airflow. Turn off power to the unit before cleaning. Wipe the grille with a soft, damp cloth. Mild soap can be used if necessary, but avoid abrasive cleaners.

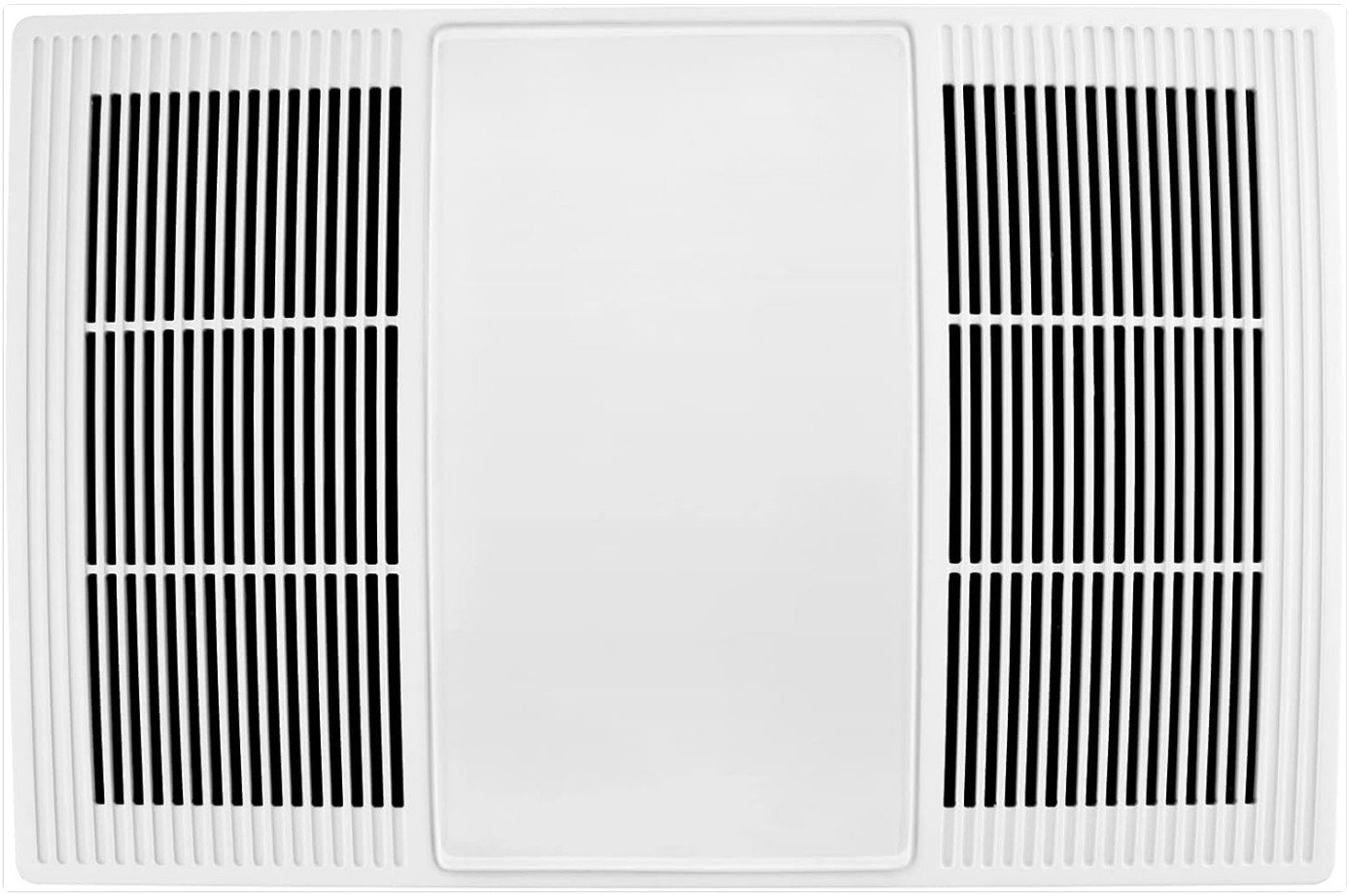


Figure 4: Close-up view of the fan's white grille, highlighting the areas that require periodic cleaning to maintain optimal airflow.

Internal Cleaning (Professional Recommended):

For deeper cleaning of internal components, such as the fan motor and heating element, it is recommended to consult a qualified electrician or HVAC professional. This ensures safe and proper cleaning without damaging sensitive parts.

Checking for Obstructions:

Occasionally check the exhaust duct for any obstructions (e.g., bird nests, debris) that could restrict airflow. Clear any blockages to maintain efficient ventilation.

5. Troubleshooting

If your Broan-NuTone PowerHeat unit is not functioning as expected, try the following basic troubleshooting steps:

- **No Power:** Check the circuit breaker for the bathroom. Ensure it is in the "ON" position. If tripped, reset it.
- **Fan Not Operating:** Verify that the fan switch is in the "ON" position. Check for any visible obstructions in the fan grille or ductwork.
- **Heater Not Operating:** Ensure the heater switch is in the "ON" position. Confirm that the unit is receiving adequate power (120V, 1500W).
- **Reduced Airflow/Heating:** Clean the grille as described in the Maintenance section. Check for obstructions in the ductwork.
- **Unusual Noise:** Turn off the unit and inspect the fan blades for any debris or loose components. If the noise persists, professional inspection may be required.

If these steps do not resolve the issue, please contact Broan-NuTone customer support or a qualified professional.

6. Specifications

Feature	Specification
Brand	Broan-NuTone
Model Name	BHF110
Air Flow Capacity	110 Cubic Feet Per Minute (CFM)
Noise Level	2.0 Sones
Heater Wattage	1500 watts
Voltage	120V
Product Dimensions	5.88"D x 10.25"W x 16"H
Room Type	Bathroom (up to 105 sq. ft.)
Housing Material	Galvanized Steel
Finish Type	White
Certification	UL Listed, HVI Certified

7. Warranty and Support

Broan-NuTone products are designed for quality and durability. For specific warranty information regarding your PowerHeat Bathroom Exhaust Fan and Heater, please refer to the documentation included with your purchase or visit the official Broan-NuTone website.

If you require technical assistance, have questions about installation, operation, or maintenance, or need to inquire about warranty claims, please contact Broan-NuTone customer support directly. Contact information can typically be found on the product packaging or their official website.

For additional resources and product information, visit the **Broan-NuTone Store on Amazon**.

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