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Broan-NuTone 162

Broan-NuTone Model 162 Type IC Infrared Single-Bulb Ceiling Heater with Fan User Manual

Model: 162

1. Introduction

The Broan-NuTone Model 162 is a Type IC (Insulation Contact) infrared single-bulb ceiling heater combined with a ventilation fan, designed to provide supplemental warmth and air circulation in bathrooms. This unit offers both heating and ventilation functions, which can be operated independently or simultaneously, enhancing comfort without relying solely on a central heating system.

Key Features:

- **Dual Functionality:** Provides both infrared heating and ventilation from a single ceiling-mounted unit.
- **Efficient Heating:** Utilizes a 250-Watt R40 or BR40-size infrared bulb (not included) for targeted warmth.
- **Effective Ventilation:** Features a 70 CFM (Cubic Feet per Minute) fan operating at 3.5 Sones for quiet and efficient air movement.
- **Insulation Contact (IC) Rated:** Suitable for direct contact with insulation, allowing for flexible installation.
- **Flexible Control:** Heater and fan functions can be controlled separately or together using compatible wall controls (sold separately).
- **Easy Installation:** Designed with adjustable mounting brackets and a 4-inch round duct connector for straightforward setup.



Figure 1: Broan-NuTone Model 162 Heater Fan Unit with ductwork and white grille.

2. Safety Information

Read all instructions carefully before installation and use. Failure to follow these instructions may result in electric shock, fire, or personal injury.

Important Safety Instructions:

- Always disconnect power at the service panel before wiring or servicing the unit.
- All wiring must comply with local electrical codes and standards. If you are unsure about electrical wiring, consult a qualified electrician.
- Do not install this unit in a shower or tub enclosure.
- Ensure the unit is properly grounded.
- Use only a 250-Watt R40 or BR40-size infrared bulb. Using an incorrect bulb type or wattage can cause overheating and fire hazards.
- Do not block the air intake or exhaust vents.
- This unit is designed for supplemental heating and should not be used as the primary heat source for a room.
- The heater assembly is thermal overload protected. If the unit overheats, it will automatically shut off. Allow it to cool before attempting to restart.

Proposition 65 Warning: This product may expose you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

3. Installation and Setup

This section provides general guidance for installing your Broan-NuTone Model 162. For detailed, step-by-step instructions, always refer to the official installation manual PDF.

Pre-Installation Considerations:

- **Location:** Install in a ceiling location suitable for a bathroom, ensuring adequate clearance from walls and other fixtures.
- **Ducting:** The unit requires 4-inch round ductwork for proper ventilation. Ensure the duct path is as straight and short

as possible for optimal performance.

- **Electrical:** A dedicated electrical circuit may be required. Verify your home's electrical capacity and wiring.
- **Bulb:** Purchase a 250-Watt R40 or BR40-size infrared bulb separately.
- **Controls:** Compatible wall controls (e.g., Broan models 57W, 57V, 59W, 59V, 61W, 61V, 63W, 63V, 64W, 64V, 68W, 68V, 70TW, 71V, 72W, 72V, 269WL, 269VL, DH100W, or T24HWHY) are sold separately and are necessary for operation.

General Installation Steps:

1. **Prepare the Opening:** Create a ceiling opening of appropriate size (refer to the PDF manual for exact dimensions). The unit's compact steel housing and adjustable mounting brackets are designed to span up to 24 inches.
2. **Mount the Housing:** Secure the unit's housing to ceiling joists using the adjustable mounting brackets and keyhole slots. The unit can be adjusted vertically after the ceiling is finished for a flush installation.
3. **Connect Ductwork:** Attach the 4-inch round ductwork to the unit's connector, ensuring a secure and airtight seal. Tapered sleeves simplify this process.
4. **Wire the Unit:** Connect the electrical wiring according to the provided wiring diagram in the manual. Ensure all connections are secure and insulated.
5. **Install Bulb and Grille:** Once wiring is complete and power is restored, screw in the infrared bulb and attach the attractive white grille to the housing.



Figure 2: The Broan-NuTone Model 162 integrated into a bathroom ceiling.

For comprehensive installation instructions, please download the official manual:Broan-NuTone Model 162 Installation Manual (PDF)

4. Operation

The Broan-NuTone Model 162 is designed for user-friendly operation, allowing you to control heating and ventilation functions as needed.

Using the Heater and Fan:

- **Independent Control:** The heater and fan functions can be operated independently or together, depending on the wall control switch installed. Refer to your wall control's instructions for specific operation details.
- **Heater Function:** The infrared bulb provides instant, localized warmth. This is ideal for quickly warming a bathroom during colder periods without adjusting your home's central thermostat.
- **Fan Function:** The ventilation fan effectively removes steam, odors, and excess moisture from the bathroom, helping to maintain air quality and prevent mold and mildew growth.



Figure 3: Close-up view of the Broan-NuTone Model 162 grille with the infrared bulb illuminated.

5. Maintenance

Regular maintenance ensures the longevity and optimal performance of your Broan-NuTone Model 162.

Cleaning the Unit:

1. **Disconnect Power:** Always turn off power to the unit at the service panel before performing any cleaning or maintenance.
2. **Remove Grille:** Carefully detach the white grille from the ceiling.
3. **Clean Grille:** Wash the grille with a mild detergent and water. Rinse thoroughly and allow it to dry completely before reattaching.
4. **Clean Interior:** The complete heater assembly can be removed from the housing for cleaning. Gently wipe down the interior surfaces and fan blades with a damp cloth. Avoid getting water into electrical components.
5. **Replace Bulb:** If the infrared bulb needs replacement, ensure the unit is cool and power is off. Unscrew the old bulb and replace it with a new 250-Watt R40 or BR40-size infrared bulb.
6. **Reassemble:** Once all components are clean and dry, reassemble the unit and restore power.

Motor Maintenance:

The motor in your Broan-NuTone Model 162 is permanently lubricated and generally requires no maintenance. Do not attempt to lubricate the motor.

6. Troubleshooting

If your Broan-NuTone Model 162 is not functioning as expected, consult the following troubleshooting guide. Always ensure power is disconnected before inspecting the unit.

Common Issues and Solutions:

- **Unit Not Turning On:**
  - Check the circuit breaker or fuse for the circuit.
  - Ensure the wall control switch is in the 'ON' position.
  - Verify all electrical connections are secure.
- **Heater Not Producing Heat:**
  - Check if the infrared bulb is securely screwed in and not burnt out. Replace if necessary with a 250-Watt R40 or BR40-size bulb.
  - The unit may have activated its thermal overload protection due to overheating. Allow it to cool down. Ensure there are no obstructions to airflow.
- **Fan Not Operating:**
  - Check the wall control switch for the fan function.
  - Inspect the fan blades for any obstructions.
- **Excessive Noise:**
  - Ensure the grille is properly secured.
  - Check for any loose components or debris inside the housing.
  - Verify that ductwork is securely attached and not vibrating.

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

7. Specifications

Specification	Detail
Brand	Broan-NuTone
Model Number	162
Product Dimensions	8.38"L x 8.13"W x 6.38"H
Item Weight	7 pounds
Color	White
Material	Plastic, Alloy Steel
Style	With Fan
Room Type	Bathroom
Power Source	AC

Voltage	120 Volts
Wattage	300 watts (Heater bulb 250W, Fan motor 50W approx.)
Bulb Type	250-Watt R40 or BR40 Infrared (not included)
Bulb Base	E26
Air Flow Capacity	70 CFM
Sound Level	3.5 Sones
Installation Type	Ceiling Mount, Type IC (Insulation Contact)
Specification Met	UL Listed

8. Warranty Information

The Broan-NuTone Model 162 Type IC Infrared Single-Bulb Ceiling Heater with Fan comes with a**1-year limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use and service.
For specific warranty terms, conditions, and to make a warranty claim, please refer to the official warranty documentation included with your product or contact Broan-NuTone customer support.

9. Customer Support

For further assistance, technical support, or inquiries regarding your Broan-NuTone Model 162, please contact Broan-NuTone customer service. You can typically find contact information on the manufacturer's official website or within the product packaging.
Remember to have your model number (162) and date of purchase available when contacting support.

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