Broan-NuTone BE6

Broan-NuTone BE6 Bathroom Exhaust Fan User Manual

Model: BE6 | 60 CFM, 0.9 Sones, ENERGY STAR Certified

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Broan-NuTone BE6 Bathroom Exhaust Fan. This ENERGY STAR certified fan is designed for efficient moisture and odor control in bathrooms, featuring ultra-quiet operation and a convenient roomside installation process.



Figure 1.1: Broan-NuTone BE6 Bathroom Exhaust Fan, showing its compact design and white grille.

The BE6 model is engineered for easy retrofit installations without requiring attic access or extensive drywall cutting, thanks to its innovative SlideClip™ grille/cover technology. Its seamless CleanCover™ grille integrates smoothly with your ceiling for a modern aesthetic.

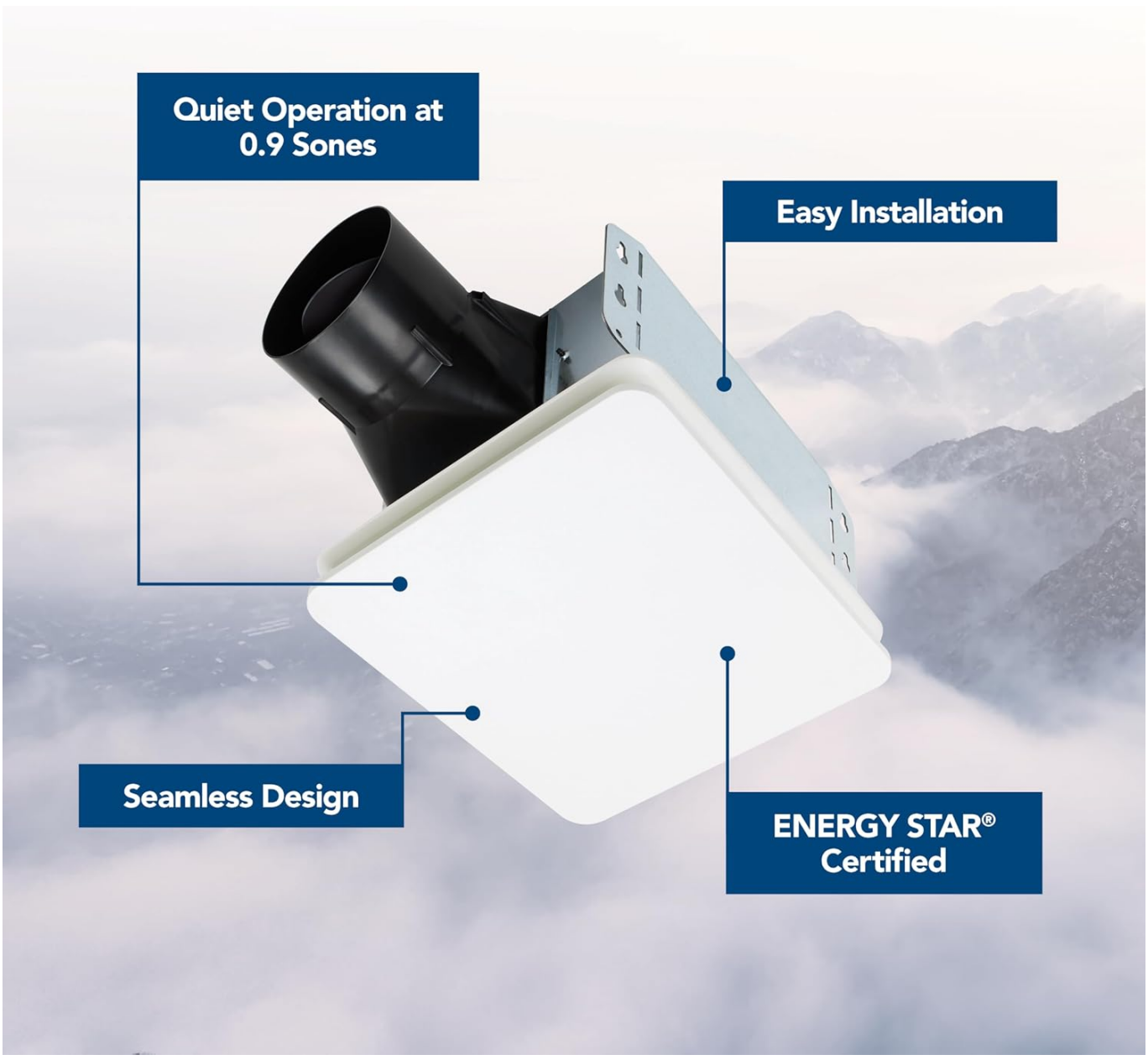


Figure 1.2: Overview of key features including quiet operation, easy installation, seamless design, and ENERGY STAR certification.

2. Safety Information

WARNING: To reduce the risk of fire, electric shock, or injury to persons, observe the following:

1. Install this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer.
2. Before servicing or cleaning the unit, switch power off at the service panel and lock the service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.
3. Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction codes and standards.
4. Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent back-drafting. Follow the heating equipment manufacturer's guideline and safety standards such as those published by the National Fire Protection Association (NFPA), and the American Society for Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and the local code authorities.
5. When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.
6. Ducted fans must always be vented to the outdoors.

7. This unit is not intended for use in kitchens.

3. Setup and Installation

3.1 Components Overview

Familiarize yourself with the fan's components before beginning installation. The design includes foldable mounting ears, an efficient motor, and an easy-to-clean cover grille with SlideClip™ technology for quick attachment.



Figure 3.1: Exploded view showing the fan's internal components and the SlideClip™ grille attachment.

3.2 Roomside Installation Steps

The Broan-NuTone BE6 fan is designed for roomside installation, eliminating the need for attic access or extensive drywall modification. Follow these steps:

1. **Prepare the Opening:** Carefully cut an opening in the ceiling or wall according to the fan's dimensions. Refer to the specifications section for precise measurements.

2. **Position the Housing:** Insert the fan housing into the prepared opening. The foldable mounting ears allow for secure attachment to joists or studs from below.
3. **Connect Ductwork:** Attach the 4-inch diameter duct to the fan's exhaust port. Ensure a secure and airtight connection to prevent air leakage.
4. **Electrical Connection:** Connect the electrical wiring according to local codes and the wiring diagram provided with the fan. Ensure power is OFF at the circuit breaker before making any connections.
5. **Install Motor Assembly:** Secure the efficient motor assembly within the housing.
6. **Attach Grille:** The CleanCover™ grille uses SlideClip™ technology for a springless attachment. Align the grille with the housing and slide it into place until it clicks securely.



Figure 3.2: Detail of the SlideClip™ mechanism for easy grille installation without springs.

4. Operation

The Broan-NuTone BE6 Bathroom Exhaust Fan operates with a single power level, controlled by a standard wall switch

(not included). Once installed and wired, simply toggle the connected switch to turn the fan ON or OFF.

- **Activation:** Flip the wall switch to the 'ON' position to activate the fan.
- **Deactivation:** Flip the wall switch to the 'OFF' position to turn off the fan.
- **Quiet Performance:** The fan operates at an ultra-quiet 0.9 Sones, providing effective ventilation with minimal noise disruption.
- **Effective Ventilation:** The 60 CFM airflow capacity is suitable for ventilating bathrooms up to 45 square feet, effectively removing moisture and odors.

5. Maintenance

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

5.1 Grille Cleaning

The CleanCover™ grille is designed for easy removal and cleaning:

1. **Disconnect Power:** Turn off power to the fan at the service panel.
2. **Remove Grille:** Gently slide the grille off the fan housing. The SlideClip™ mechanism allows for easy detachment without tools.
3. **Clean Grille:** Wash the grille with mild soap and water. Rinse thoroughly and allow it to dry completely before reinstallation.
4. **Clean Fan Interior:** While the grille is removed, carefully wipe down any dust or debris from the fan housing and motor assembly using a damp cloth. Avoid getting water directly on electrical components.
5. **Reinstall Grille:** Align the dry grille with the housing and slide it back into place until it securely clicks.
6. **Restore Power:** Turn power back on at the service panel.



Figure 5.1: The CleanCover™ grille seamlessly integrated into a bathroom ceiling, highlighting its clean design and ease of access for maintenance.

6. Troubleshooting

If your Broan-NuTone BE6 fan is not operating as expected, consult the following table for common issues and solutions.

Problem	Possible Cause	Solution
Fan does not turn on.	No power to the unit. Loose wiring connection. Faulty wall switch.	Check circuit breaker and wall switch. Verify all wiring connections are secure (ensure power is off first). Test or replace the wall switch.
Fan is excessively noisy.	Loose grille or motor. Obstruction in fan blades. Improper ductwork installation.	Ensure grille is securely attached. Check motor mounting screws. Disconnect power and inspect fan blades for debris. Verify ductwork is properly secured and free of kinks or restrictions.

Problem	Possible Cause	Solution
Poor air movement.	Blocked grille or ductwork. Fan blades are dirty. Incorrect fan size for room.	Clean grille and check ductwork for obstructions. Clean fan blades (ensure power is off first). Ensure fan is appropriately sized for your bathroom (up to 45 sq. ft. for 60 CFM).
Fan runs continuously.	Faulty wall switch. Wiring error.	Test or replace the wall switch. Consult a qualified electrician to inspect wiring.

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

7. Specifications

The following table details the technical specifications for the Broan-NuTone BE6 Bathroom Exhaust Fan.



Figure 7.1: Dimensional diagram and certification logos for the Broan-NuTone BE6 fan.

Feature	Detail
Model Name	Broan-NuTone® BE6 Bathroom Exhaust Fan
Air Flow Capacity	60 Cubic Feet Per Minute (CFM)
Noise Level	0.9 Sones
Voltage	120 Volts
Wattage	18 watts
Product Dimensions (D x W x H)	7.5" x 7.25" x 5.75"
Item Weight	6.5 Pounds
Duct Diameter	4 inches
Room Type	Bathroom
Installation Type	Roomside
Certifications	ENERGY STAR, HVI Certified, UL Listed, Code Compliant
Control Method	Touch (via external switch)
Motor Type	Brushless
Color	White

8. Warranty and Support

Broan-NuTone products are manufactured to high-quality standards and are backed by a limited warranty. For specific warranty details, please refer to the warranty card included with your product or visit the official Broan-NuTone website. For technical assistance, replacement parts, or any questions regarding your Broan-NuTone BE6 Bathroom Exhaust Fan, please contact Broan-NuTone customer service. Contact information can typically be found on the product packaging or the official website.

Online Resources: For additional support and product information, visit theBroan-NuTone Store on Amazon.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question