

Broan-NuTone BEL6

Broan-NuTone BEL6 Bathroom Exhaust Fan with LED Light

INSTRUCTION MANUAL

1. Introduction

The Broan-NuTone BEL6 Roomside Series ENERGY STAR bathroom exhaust fan with LED light is designed for versatile and easy installation, including retrofitting without attic access and no drywall cutting. This fan effectively reduces moisture and odors in bathrooms up to 45 sq. ft. with quiet operation at 0.9 sones. Its modern CleanCover grille offers a seamless design and simplifies cleaning.



Figure 1: Key features of the Broan-NuTone BEL6 Bathroom Exhaust Fan.

2. Safety Information

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

- Always disconnect power at the service panel before servicing or cleaning the unit.
- 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.
- Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer.
- Wear safety glasses during installation.

3. Package Contents

Verify that all components are present before beginning installation:

- Fan Housing
- Blower Assembly
- Wiring Panel
- Wire Enclosure
- Duct Connector
- Screws
- Mask (for drywall protection)
- Grille Trim
- Grille with LED Light Module



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Energy
STAR

EASIEST GRILLE INSTALLATION
• SLIDECLIP™ GRILLE



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COMPLIANT**
To meet
stringent codes

Figure 2: Exploded view of the BEL6 fan components.

4. Tools Required

The following tools are typically required for installation:

- Drill
- Screwdriver
- Cable Clamp Connector
- Ductwork
- Foil Tape
- Wire Nuts
- Safety Glasses

5. Installation Instructions

This section outlines the steps for installing your Broan-NuTone BEL6 exhaust fan. For a visual guide, please refer to the installation video below.

Your browser does not support the video tag.

5.1. Preparing the Unit

1. Remove the blower assembly and wiring panel from the fan housing.

5.2. Mounting the Housing

2. Mount the fan housing securely to the ceiling structure using appropriate fasteners. The design features foldable mounting ears for versatile installation.

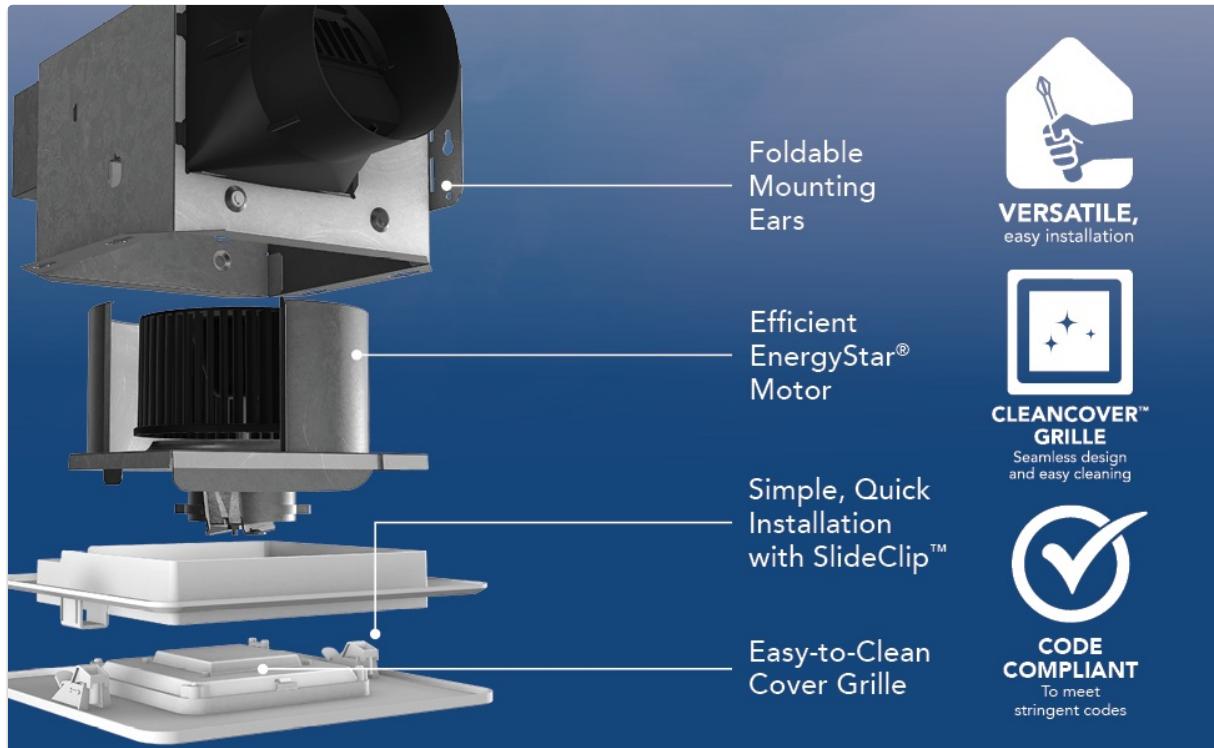


Figure 3: Exploded view highlighting internal components and mounting features.

5.3. Duct Connector Installation

3. Install the duct connector with the included screws, ensuring the tabs engage in the housing.
4. Attach the ductwork to the connector using foil tape for a secure seal.

5.4. Wiring Connection

5. Connect the electrical wiring according to local codes and the wiring diagram provided in the full manual.
6. Attach the wire enclosure by tab and screw, then reinstall the wiring panel and secure it.

5.5. Blower Assembly Installation

7. Install the blower assembly back into the housing and plug it in.

5.6. Grille and LED Module Installation

8. Once drywall is complete, install the grille trim.
9. Plug in the LED module.
10. Install the grille by sliding the clips into the grille trim. The patented SlideClip technology allows for fast, springless attachment.



**Reduce Energy Consumption by 50%
when switching to ENERGY STAR®**



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NuTone**
BETTER AIR. BETTER LIFE.

**The leader in residential
indoor air quality.**

Figure 4: Detail of the SlideClip grille for easy installation.

6. Operation

The Broan-NuTone BEL6 fan provides effective ventilation for rooms up to 45 sq. ft. Its 0.9 sones rating ensures quiet operation, making it barely noticeable while effectively removing moisture and odors. The integrated LED light provides illumination for your bathroom space.

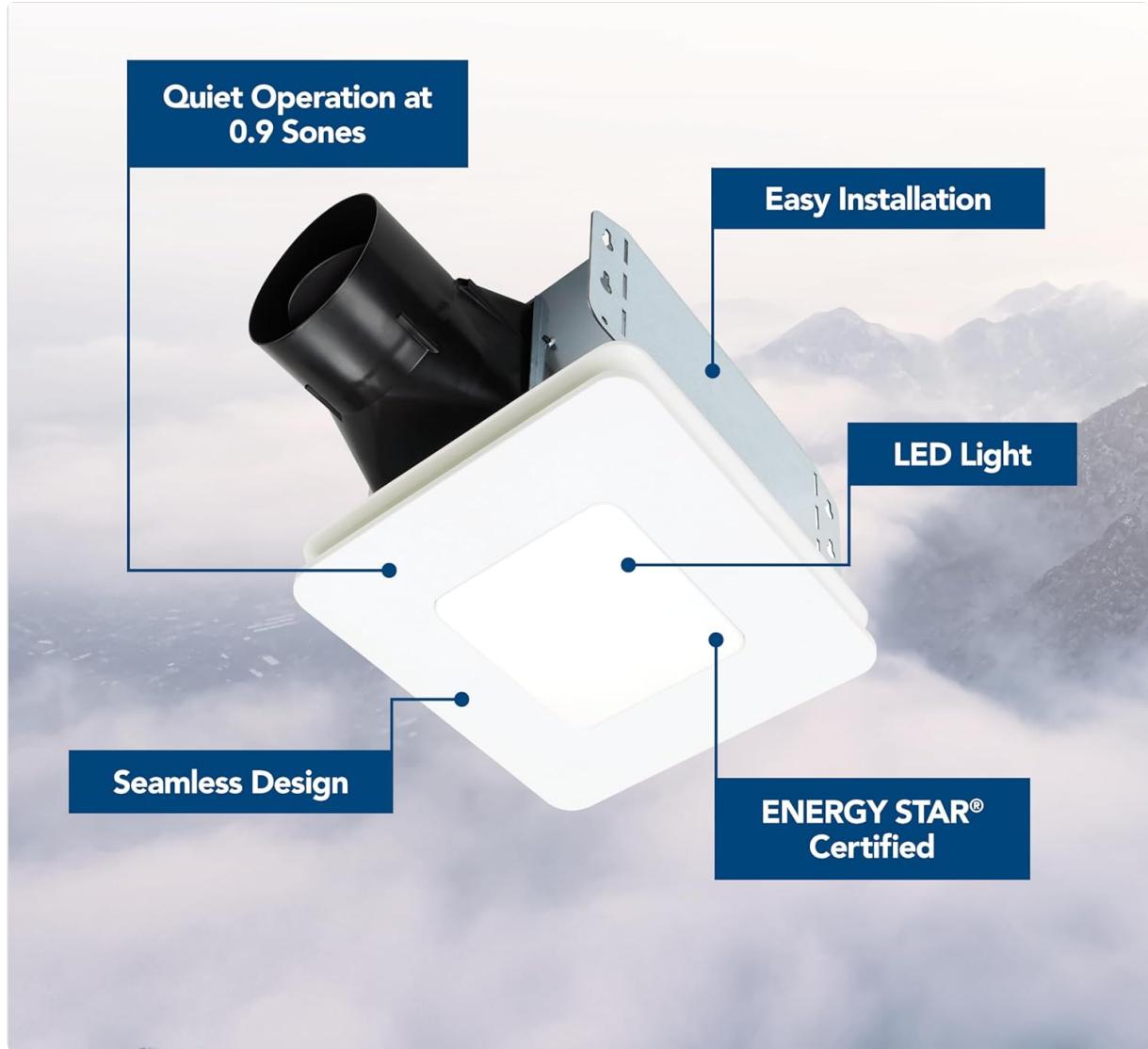


Figure 5: The BEL6 fan installed in a bathroom ceiling.

7. Maintenance

Regular cleaning helps maintain optimal performance and appearance. The CleanCover grille offers a seamless design that blends into the ceiling and is easy to clean. Simply remove the grille and wipe it down with a damp cloth. Ensure power is disconnected before any cleaning or maintenance.

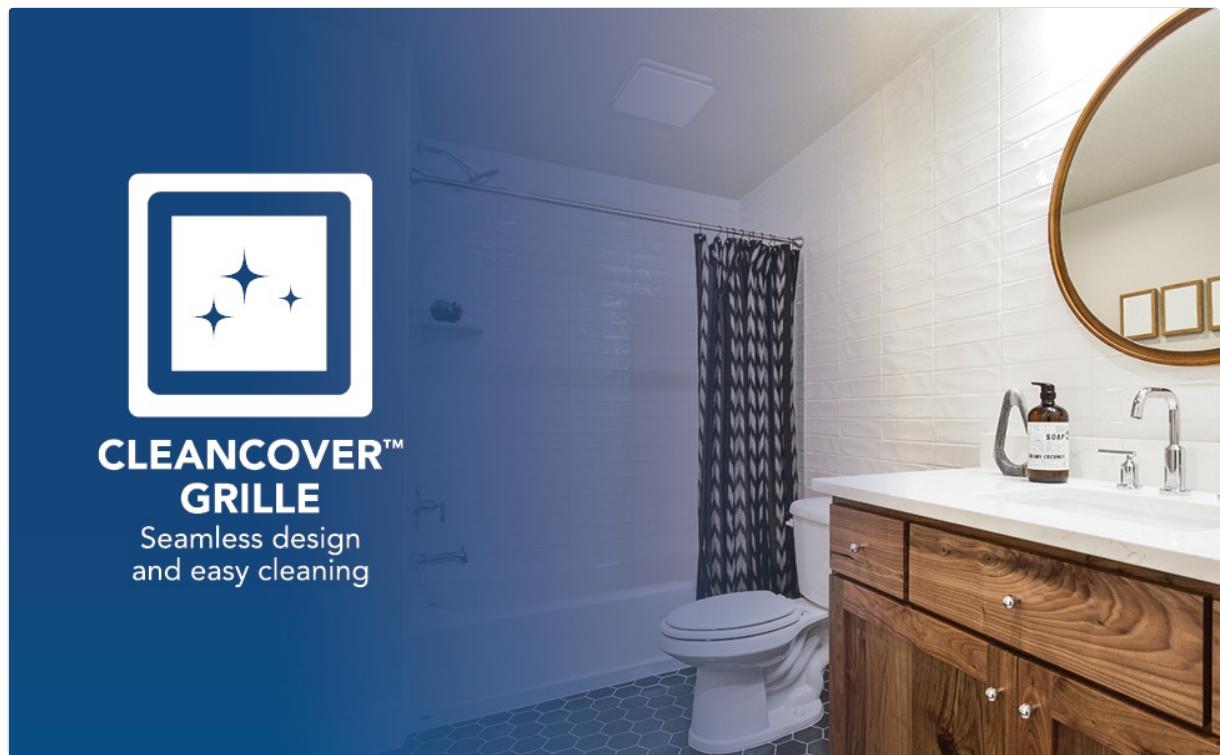


Figure 6: The CleanCover grille provides a seamless look and is easy to maintain.

8. Troubleshooting

If the fan does not operate or the light does not turn on, check the following:

- Ensure the power supply is connected and the circuit breaker is on.
- Verify all wiring connections are secure and correctly installed.
- Check if the LED module is properly plugged into the blower assembly.
- Inspect for any obstructions in the fan or ductwork.

If issues persist, consult a qualified electrician or contact Broan-NuTone customer support.

9. Specifications

Feature	Specification
Brand	Broan-NuTone
Model Name	BEL6
Air Flow Capacity	60 Cubic Feet Per Minute (CFM)
Noise Level	0.9 Sones
Room Type	Bathroom
Special Feature	LED Light
Power Source	AC
Voltage	120 Volts
Wattage	18 watts

Product Dimensions	7.5"D x 7.25"W x 5.75"H
Installation Type	Room Side Installation
Certification	ENERGY STAR Certified



**Ideal for Small Rooms
up to 80 Square Feet**

Figure 7: Dimensions of the BEL6 fan unit.

10. Warranty and Support

For warranty information, technical support, or replacement parts, please refer to the official Broan-NuTone website or contact their customer service. Keep your purchase receipt for warranty claims.