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Broan-NuTone AER80K

Broan-NuTone AER80K 80 CFM CleanCover Bathroom Exhaust Fan

Model: AER80K | Brand: Broan-NuTone

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Broan-NuTone AER80K 80 CFM CleanCover Bathroom Exhaust Fan. Please read all instructions carefully before beginning installation to ensure safe and proper operation.



Image: The Broan-NuTone AER80K 80 CFM CleanCover Bathroom Exhaust Fan, featuring a sleek white grille and integrated duct connection.

SAFETY INFORMATION

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

- Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer.
- Before servicing or cleaning unit, switch power off at 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.
- 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.
- 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.
- When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.
- Ducted fans must always be vented to the outdoors.
- This unit is UL listed for use over bathtubs or showers when connected to a GFCI-protected branch circuit (not included).
- This unit is UL listed for use in insulated ceilings (Type I.C.).

SPECIFICATIONS

Model	AER80K
Air Flow Capacity	80 Cubic Feet Per Minute (CFM)
Noise Level	0.7 Sones (Ultra-Quiet)
Power Source	AC (120V)
Product Dimensions (D x W x H)	9.25" x 10" x 5.75"
Ceiling Construction Fit	2" x 6"
Duct Connector	4" Round with Damper
Certifications	ENERGY STAR Certified, UL Listed (for use over bathtubs/showers with GFCI, and in insulated ceilings Type I.C.), HVI-2100 Certified
Installation Type	Room-side installation
Included Components	Bath Fan
Item Weight	9 Pounds



Image: Detailed view of the fan housing with key dimensions and certification logos.

PACKAGE CONTENTS

- Broan-NuTone AER80K Exhaust Fan Unit
- CleanCover Grille
- SnapFit Flange Kit
- EzDuct Connector
- FoldAway Mounting Ears
- Installation Template
- Instruction Manual (this document)

INSTALLATION

The Broan-NuTone AER80K is designed for room-side installation, eliminating the need for attic access. This makes it ideal for retrofit, remodeling, and replacement projects.

1. **Preparation:** Ensure power is disconnected at the service panel before starting. Use the provided template to

accurately mark and cut the ceiling opening for the fan housing.

2. **Housing Installation:** Insert the fan housing into the ceiling opening. The SnapFit Flange Kit and FoldAway mounting ears facilitate secure placement and a self-trimming finish.
3. **Duct Connection:** Connect the 4-inch ductwork to the EzDuct connector on the fan housing. Ensure a tight seal to prevent air leakage.
4. **Electrical Wiring:** Connect the electrical wiring according to local codes and the wiring diagram provided in the full manual. Ensure all connections are secure. If installing over a bathtub or shower, connect to a GFCI-protected branch circuit.
5. **Grille Attachment:** Once the housing and wiring are complete, attach the CleanCover grille. The design minimizes visible vent slots for a cleaner appearance.



Image: A person installing the fan housing from the room side, demonstrating the ease of retrofit installation without attic access.

OPERATING INSTRUCTIONS

The Broan-NuTone AER80K fan operates via a standard wall switch (not included). It is designed for continuous or intermittent operation to manage moisture and odors in your bathroom.

- **Turning On/Off:** Activate the fan by flipping the connected wall switch to the 'ON' position. Turn off by flipping the switch to 'OFF'.
- **Optimal Use:** For effective moisture and odor control, operate the fan during and after showering or bathing for at least 15-20 minutes. This helps to clear humid air and prevent mildew growth.



**Powerful Ventilation,
Quieter Than a Whisper**

80 CFM



0.7 Sones



Image: Illustration depicting powerful ventilation from the fan, highlighting its 80 CFM airflow and ultra-quiet 0.7 Sones operation.

MAINTENANCE

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

1. **Grille Cleaning:** The CleanCover grille is designed for easy cleaning. Gently pull down the grille to detach it from the housing. Wipe the grille with a damp cloth and mild detergent. Avoid abrasive cleaners.
2. **Fan Blade Cleaning:** With the grille removed and power disconnected, carefully wipe the fan blades and interior of the housing to remove dust and debris. Do not bend or damage the fan blades.
3. **Reassembly:** Once clean and dry, reattach the grille by aligning it with the housing and pushing it firmly into place. Restore power.

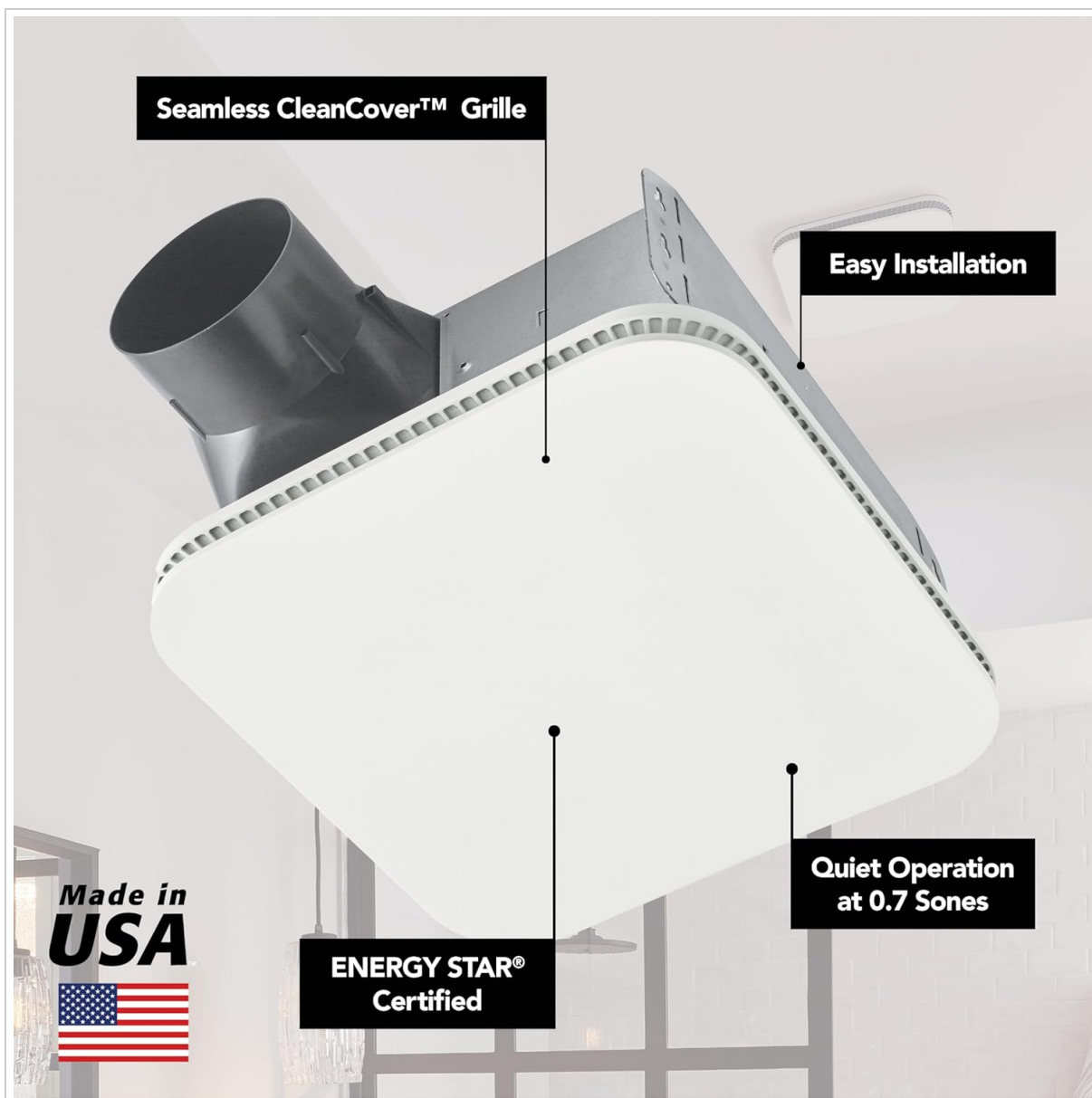


Image: Close-up of the CleanCover Grille, emphasizing its seamless design and quiet operation, which also contributes to easier maintenance.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Fan does not operate	No power, loose wiring, faulty switch	Check circuit breaker/fuse. Verify all wiring connections. Test or replace switch.
Reduced airflow or excessive noise	Clogged grille/fan blades, obstructed ductwork	Clean grille and fan blades. Inspect ductwork for blockages.
Fan runs but moisture persists	Inadequate run time, undersized fan for room, excessive air leakage	Increase fan run time. Ensure proper sealing around fan and ductwork. Consider a higher CFM fan if room size exceeds recommendations.

WARRANTY AND SUPPORT



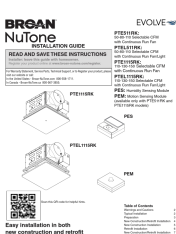


The Broan-NuTone AER80K Bathroom Exhaust Fan is backed by a **Three Year Limited Warranty**. For detailed warranty information, technical support, or to order replacement parts, please visit the official Broan-NuTone website or contact their

customer service.

Manufacturer: Broan-NuTone

Website: [Visit the Broan-NuTone Store on Amazon](#)

Related Documents - AER80K

	<p>Broan-NuTone BES8 Roomside Series Humidity Sensing Fan Installation Guide</p> <p>Comprehensive installation guide for the Broan-NuTone BES8 Roomside Series Humidity Sensing Fan. Learn how to safely install, operate, and maintain your ventilation fan for optimal performance. Includes wiring diagrams, mounting instructions, and safety warnings.</p>
	<p>ChromaComfort & Sensonic Fan/Light/Speaker Installation Instructions</p> <p>Comprehensive installation guide for the ChromaComfort & Sensonic Fan/Light/Speaker, detailing safety precautions, cleaning, maintenance, operation, and step-by-step installation for both new and retrofit applications. Includes Bluetooth pairing and app download information.</p>
	<p>Broan-NuTone Evolve Series Exhaust Fan Installation Guide (PTE1115RK, PTE511RK)</p> <p>Detailed installation guide for Broan-NuTone Evolve Series exhaust fans, including models PTE1115RK, PTE511RK, PTEL511RK, and PTEL1115RK. Covers safety, preparation, step-by-step installation for new construction and retrofit, operation, cleaning, and troubleshooting.</p>
	<p>Broan-NuTone 688E/696N Ceiling and Wall Fan Installation Guide</p> <p>This document provides installation instructions for Broan-NuTone Economy Energy Star and Non-Energy Star ceiling and wall fans, models 688E and 696N. It includes essential safety warnings, electrical wiring guidance, ducting requirements, and step-by-step mounting procedures for both new construction and replacement installations.</p>
	<p>BELS8 Roomside Series Humidity Sensing Fan/Light Installation and Operation Guide</p> <p>Comprehensive guide for the Broan-NuTone BELS8 Roomside Series Humidity Sensing Fan/Light, covering installation, operation, cleaning, and maintenance. Includes safety warnings and troubleshooting tips.</p>
	<p>Broan-NuTone Roomside Series Decorative Fan-Light Installation and Use & Care Guide</p> <p>Comprehensive installation, operation, and maintenance instructions for the Broan-NuTone Roomside Series Decorative Fan-Light, including model numbers AR80LWH, AER80LWH, and AERN80LWH. This guide provides safety precautions, installation steps for new construction and retrofits, cleaning advice, and wiring diagrams.</p>

