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Nutone AERN80K

NuTone Roomside Series AERN80K Ventilation Fan User Manual

Model: AERN80K

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your NuTone Roomside Series AERN80K Ventilation Fan. Please read these instructions carefully before beginning installation or operation to ensure proper function and safety. Keep this manual for future reference.



This image displays the NuTone Roomside Series Ventilation Fan. It features a white, low-profile CleanCover grille and a black duct connector extending from the side of the housing. The fan is designed for discreet integration into ceilings.

SAFETY INFORMATION

Always follow basic safety precautions when installing, operating, or maintaining this product to reduce the risk of fire, electric shock, or injury to persons.

- Disconnect power at the service panel before installation or servicing.
- All wiring must comply with local electrical codes and standards.
- This unit is designed for general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors.
- To prevent motor damage and noisy/unbalanced impellers, keep drywall spray, construction dust, and other debris off the power unit.
- This fan is UL listed for use over bathtubs or showers when connected to a GFCI-protected branch circuit.
- This fan is UL listed for use in insulated ceilings (Type I.C.).

PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Ventilation Fan Housing Assembly
- CleanCover Grille
- SnapFit Flange Kit
- EzDuct Connector
- Mounting Ears (FoldAway)
- Installation Template
- User Manual (this document)

SETUP AND INSTALLATION

The NuTone Roomside Series AERN80K fan is designed for flexible installation, including retrofit, remodel, and replacement applications, particularly in spaces without attic access. Installation can be performed entirely from the room side.

Key Installation Features:

- **Room-Side Access:** The fan can be installed without requiring access to the attic, simplifying the process for existing structures.
- **Installation Template:** Use the provided template for accurate ceiling opening cuts.
- **SnapFit Flange Kit:** This kit provides a self-trimming finish, covering any rough edges of the ceiling opening for a clean appearance.
- **EzDuct Connector:** Designed for room-side connection to ductwork, ensuring an airtight seal.
- **FoldAway Mounting Ears:** These adjustable ears facilitate easy and secure installation in various ceiling constructions.
- **Electrical Connection:** Ensure all electrical connections are made by a qualified electrician and comply with local codes. The unit requires a 120V power supply.

For detailed step-by-step instructions, refer to the included installation guide or visit the official NuTone support

website.

OPERATING INSTRUCTIONS

The NuTone AERN80K Ventilation Fan is designed for efficient and quiet operation to remove moisture and odors from your bathroom or other designated areas.

- **Power On/Off:** The fan is typically controlled by a standard wall switch (Push Button type). Flip the switch to turn the fan on or off.
- **Airflow:** The fan operates at 80 Cubic Feet per Minute (CFM), providing effective ventilation for rooms up to 75 sq. ft.
- **Quiet Operation:** With a noise level of 0.7 Sones, the fan operates quietly, minimizing disruption.
- **Advanced Motor:** The brushless DC electronically controlled digital motor offers high efficiency compared to standard AC motors.
- **Smart Control (Optional):** This model is compatible with the Overture Connected IAQ System, allowing for potential app-based control and integration with smart home systems. Refer to the Overture system documentation for setup and usage details if applicable.

For optimal performance, operate the fan during and after activities that generate moisture, such as showering or bathing, to ensure proper ventilation.

MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your NuTone AERN80K Ventilation Fan.

- **Grille Cleaning:** The CleanCover grille is designed with fewer vent slots to reduce dust accumulation. To clean, gently pull down the grille to detach it from the housing. Wipe the grille with a soft, damp cloth and mild detergent. Ensure it is completely dry before reattaching.
- **Fan Blade Cleaning:** Periodically, with power disconnected, carefully wipe the fan blades with a damp cloth to remove any accumulated dust or debris. Avoid bending the blades.
- **Motor:** The motor is permanently lubricated and requires no additional oiling.
- **Ductwork:** Inspect ductwork periodically for obstructions or leaks. Ensure the EzDuct connector maintains an airtight seal.

Always disconnect power to the fan at the circuit breaker before performing any cleaning or maintenance.

TROUBLESHOOTING

If your NuTone AERN80K Ventilation Fan is not operating as expected, consult the following common issues and solutions:

Problem	Possible Cause	Solution
Fan does not turn on.	No power to the unit. Faulty wall switch. Loose wiring connection.	Check circuit breaker. Test or replace switch. Verify all wire connections are secure (with power off).

Problem	Possible Cause	Solution
Fan is noisy.	Loose mounting. Debris in fan blades. Damaged impeller.	Ensure fan housing is securely mounted. Disconnect power and clean blades. Contact customer support if impeller is damaged.
Poor air movement.	Blocked ductwork. Dirty grille or fan blades. Improper fan size for room.	Check ductwork for obstructions. Clean grille and fan blades. Ensure fan CFM matches room size requirements.

If troubleshooting steps do not resolve the issue, please contact NuTone customer support.

SPECIFICATIONS

Brand	Nutone
Model Number	AERN80K
Air Flow Capacity	80 CFM (Cubic Feet per Minute)
Noise Level	0.7 Sones
Wattage	36 watts
Voltage	120 Volts
Room Type	Bathroom (up to 75 sq. ft.)
Installation Type	Room-side
Motor Type	Brushless DC Electronically Controlled Digital Motor
Efficiency	ENERGY STAR Certified, High Efficiency
Certifications	UL Listed (for use over bathtubs/showers with GFCI, and in insulated ceilings Type I.C.), HVI-2100 Certified, Title 24 Compliant
UPC	026715257713
Package Dimensions	13.5 x 13.4 x 10.6 inches
Item Weight	9.03 pounds

WARRANTY INFORMATION

NuTone products are manufactured to the highest quality standards and are warranted to be free from defects in material and workmanship for a specified period from the date of original purchase. For specific warranty terms and conditions applicable to the AERN80K model, please refer to the warranty card included with your product or visit the official NuTone website. Keep your proof of purchase for warranty claims.

SUPPORT

For technical assistance, replacement parts, or further information regarding your NuTone Roomside Series AERN80K Ventilation Fan, please contact NuTone Customer Service:

- **Website:** Visit the official NuTone website for FAQs, product registration, and support resources.
- **Phone:** Refer to the contact information provided on the NuTone website or your product packaging for customer service phone numbers.
- When contacting support, please have your model number (AERN80K) and date of purchase available.