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› Broan-NuTone A110L Ventilation Fan with Light Instruction Manual

Broan-NuTone A110L

Broan-NuTone A110L Ventilation Fan with Light Instruction Manual

INTRODUCTION

This manual provides essential instructions for the safe installation, efficient operation, and proper maintenance of your Broan-NuTone A110L Ventilation Fan with Light. Please read this document thoroughly before attempting any installation or use to ensure optimal performance and safety.

The Broan-NuTone A110L is a high-quality, single-speed ventilation fan featuring an integrated 11-Watt LED light. It is designed to effectively reduce humidity and odors in rooms up to 105 sq. ft. The unit incorporates a durable 26-gauge galvanized steel housing and a 4-inch polymeric duct connector for reliable performance. With TrueSeal damper technology, this fan minimizes air leakage, contributing to better home energy efficiency. This model is specifically engineered for convenient room-side installation and is UL Listed for safe use over bathtubs and showers when connected to a GFCI (Ground Fault Circuit Interrupter) protected circuit.



Image: The Broan-NuTone A110L Ventilation Fan with Light, showing its white grille and integrated LED light.

SAFETY INFORMATION

- Always disconnect power at the service panel before installing, servicing, or cleaning the unit. Failure to do so can result in electric shock or serious injury.
 - All electrical wiring must be performed by a qualified electrician and comply with all applicable local codes, ordinances, and national electrical codes.
 - This unit is UL Listed for use over bathtubs and showers when connected to a GFCI (Ground Fault Circuit Interrupter) protected branch circuit.
 - Do not use this fan in kitchens or areas where it may be exposed to grease, as this can create a fire hazard.
 - Ensure the fan is properly grounded to prevent electrical hazards.
 - Never insert objects into the fan grille while the fan is operating.
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PRODUCT FEATURES

- **High-Quality Fan Combo:** Quiet exhaust fan and 11-Watt LED light combo, suitable for rooms up to 105 sq. ft., operating at 1.0 Sones.
- **Efficient Ventilation:** Powerful 110 CFM airflow quickly eliminates fogged mirrors and reduces humidity.
- **Easy Installation:** Designed for room-side retrofit installations, eliminating the need for attic access.
- **Reliable Performance:** Features TrueSeal Damper Technology to reduce air leakage by up to 50% compared to competitive models, improving home performance and preventing cold/warm air backdrafts.
- **Bathroom Suitability:** UL Listed for safe use over tubs and showers when installed with a GFCI circuit, allowing for optimal placement to capture steam.



Image: A close-up view of the fan's white grille and the rectangular LED light module.

SETUP AND INSTALLATION

The Broan-NuTone A110L is engineered for straightforward room-side installation, which means you can install or replace the unit without needing access to your attic. This simplifies the process significantly.

For detailed, step-by-step installation instructions, please refer to the official Installation Manual (PDF) provided by Broan-NuTone. It contains comprehensive diagrams and safety guidelines specific to your model.

[Download Official Installation Manual \(PDF\)](#)

Installation Overview

- **Prepare the Opening:** Carefully cut the ceiling opening to the specified dimensions for the fan housing.
- **Mount the Housing:** Secure the fan housing to the ceiling joists or framing using the provided hardware.
- **Connect Ductwork:** Attach the 4-inch ductwork to the fan's polymeric duct connector. Ensure all connections are sealed to prevent air leakage.
- **Electrical Wiring:** Connect the electrical wiring according to the wiring diagram in the manual. Ensure power is off at the circuit breaker before beginning.
- **Install Grille and Light:** Once the housing and wiring are complete, install the fan grille and LED light assembly.



Image: A person's hands demonstrating the installation of the fan's metal housing into a ceiling.



Image: The metal housing of the ventilation fan, ready for installation.

Installation Video

Your browser does not support the video tag.

Video: Official Broan Flex Ventilation Fan installation guide. This video demonstrates the installation process for a similar Broan ventilation fan, providing visual assistance for your A110L model.

OPERATING INSTRUCTIONS

The Broan-NuTone A110L Ventilation Fan with Light is designed for simple operation. The fan and light functions can be controlled independently or together, depending on how your unit is wired to your wall switches.

- **Fan Operation:** Use the designated wall switch to turn the ventilation fan on or off. The fan will begin to extract air from the room, reducing humidity and odors.
- **Light Operation:** Use the designated wall switch to turn the integrated LED light on or off. The 11-Watt LED provides ambient illumination for your space.
- For optimal air quality, operate the fan during and after activities that generate moisture or odors, such as showering or bathing.



Image: The Broan-NuTone A110L fan with light installed in a bathroom ceiling, demonstrating its appearance in use.

MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your Broan-NuTone A110L Ventilation Fan. Always disconnect power at the circuit breaker before performing any maintenance.

Cleaning the Grille

- Gently pull down on the grille to release the mounting springs.
- Wipe the grille with a soft, damp cloth using a mild, non-abrasive cleaner.
- Rinse the grille with clean water and allow it to dry completely before reattaching.

Cleaning the Fan Interior

- With the grille removed, carefully vacuum the fan blades and motor housing to remove accumulated dust and debris.
- Do not use water or liquid cleaners directly on the motor or electrical components.
- Ensure all components are dry before restoring power.



Image: A close-up view of the internal damper mechanism, which should be kept clear of obstructions.

TROUBLESHOOTING

If your Broan-NuTone A110L fan is not operating as expected, consult the following common troubleshooting steps:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Fan does not turn on	No power to the unit; tripped circuit breaker; loose wiring connection.	Check the circuit breaker and reset if tripped. Verify all wiring connections are secure. Ensure the wall switch is functional.
Light does not turn on	No power to the light; faulty LED module.	Check the circuit breaker and light switch. If the LED is integrated and not working, contact customer support for replacement.
Excessive noise during operation	Loose mounting; obstructions in fan or ductwork; damper flapper noise due to air pressure.	Ensure the fan housing is securely mounted. Remove grille and check for debris. Inspect ductwork for kinks or blockages. If damper flapper noise occurs due to air pressure changes, ensure proper sealing around the fan or consider adding a small weight to the flapper if it's a persistent issue (consult a professional).
Poor air extraction	Blocked ductwork; dirty fan blades; undersized fan for room.	Clean fan blades and grille. Check ductwork for obstructions or damage. Ensure the fan's CFM rating is appropriate for your room size.

SPECIFICATIONS

Feature	Detail
Brand	Broan-NuTone
Model Number	A110L
Air Flow Capacity	110 Cubic Feet Per Minute (CFM)
Noise Level	1.3 Sones
Wattage	23.4 watts
Voltage	120V
Light Type	Integrated LED (11-Watt, 300K)
Product Dimensions (D x W x H)	10" x 5.75" x 9.25"
Room Type	Bathroom
Installation Type	Room-side
Material	Alloy Steel (housing), Plastic (blade)
Certifications	Energy Star, UL Listed

Feature	Detail
Color	White
UPC	026715235339

WARRANTY

The Broan-NuTone A110L Ventilation Fan with Light is covered by a **3-year limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use and service.

For specific terms, conditions, and limitations of the warranty, please refer to the warranty documentation included with your product or visit the official Broan-NuTone website.

SUPPORT

For further assistance, technical support, or to inquire about replacement parts, please contact Broan-NuTone customer service or visit their official website.

- **Manufacturer:** Broan-NuTone
- **Online Support:** [Visit the Broan-NuTone Store on Amazon](#)
- Please have your model number (A110L) and date of purchase available when contacting support.