Broan-NuTone A80

Broan-NuTone A80 Ventilation Fan User Manual

Model: A80

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Broan-NuTone A80 Ventilation Fan. Designed for efficient air quality control, this fan operates at 80 Cubic Feet per Minute (CFM) with a sound level of 2.0 Sones, suitable for rooms up to 75 square feet. Its innovative room-side installation feature simplifies setup, eliminating the need for attic access.

2. Important 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.
- 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 tubs and showers when connected to a GFCI (Ground Fault Circuit Interrupter) protected branch circuit.

3. Package Contents

Verify that all components are present before beginning installation:

- Ventilation Fan Housing
- Grille Assembly
- Motor/Blower Assembly
- Non-Metallic Damper/Duct Connector
- Installation Hardware (screws, wire nuts)

4. Installation Instructions (Room-Side Setup)

The Broan-NuTone A80 fan is designed for easy room-side installation, eliminating the need for attic access. Follow these steps:

1. **Prepare the Opening:** Turn off power at the circuit breaker. Locate the desired installation area in the ceiling. The ceiling hole should be approximately 9.75 inches parallel to the joist by 10.5 inches perpendicular to the joist.
2. **Remove Internal Components:** Unplug and remove the motor/blower assembly from the fan housing. This makes the housing lighter and easier to handle.
3. **Position the Housing:** Insert the fan housing into the ceiling opening. The housing is designed to mount directly to inboard joists. Secure the housing to the joist using appropriate fasteners.
4. **Connect Ductwork:** Attach the 4-inch round duct to the non-metallic damper/duct connector on the fan housing. Ensure a secure, airtight connection. The EzDuct Connector facilitates this process.
5. **Electrical Wiring:** Route electrical wiring into the fan housing's junction box. Connect the wires according to local electrical codes (typically black to black, white to white, and ground to ground). Ensure a proper electrical cable clamp is used.
6. **Reinstall Motor/Blower:** Plug the motor/blower assembly back into the outlet inside the housing and secure it in place.
7. **Attach Grille:** Secure the grille assembly to the fan housing.
8. **Restore Power:** Turn power back on at the circuit breaker.

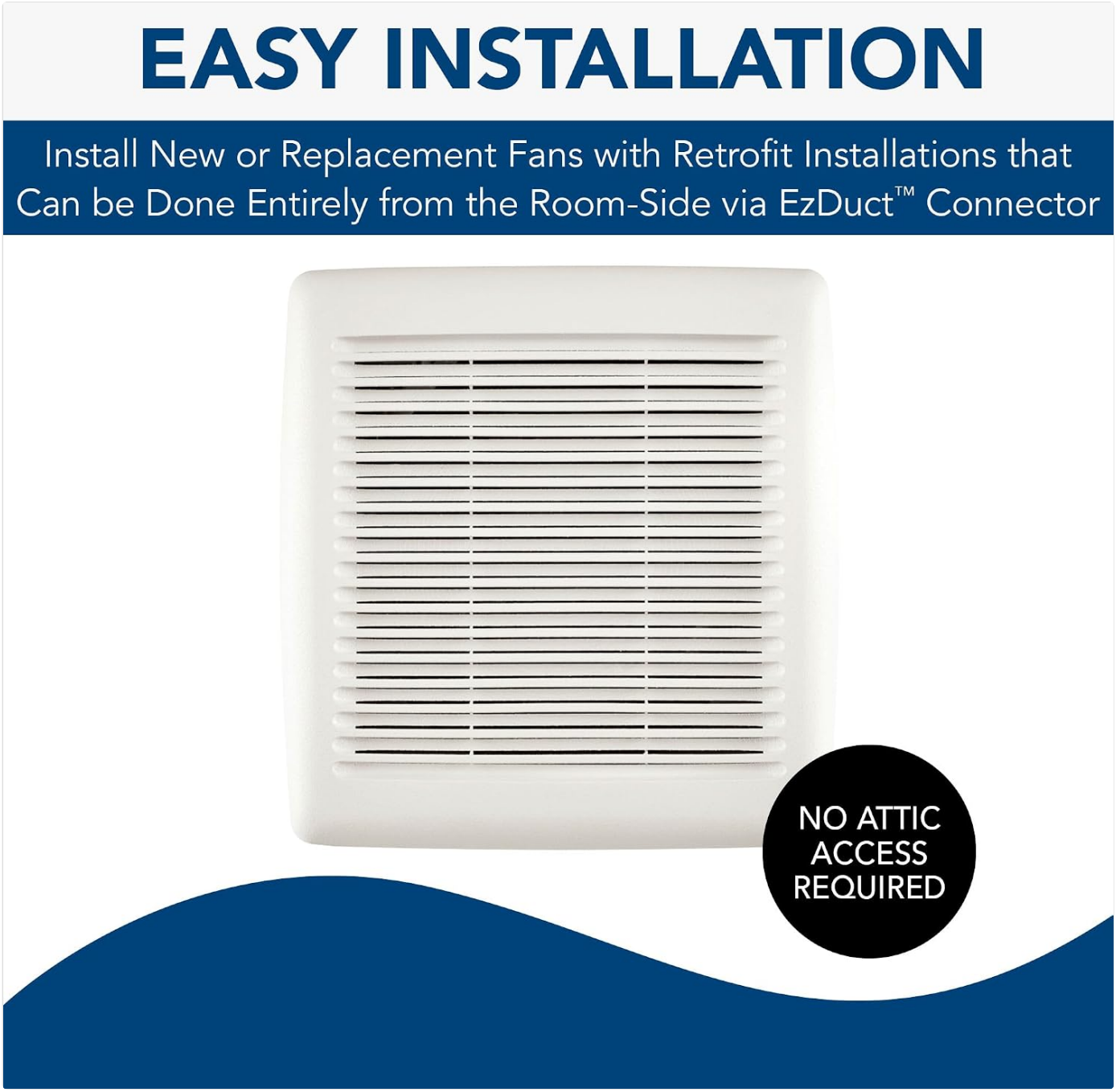


Figure 1: The Broan-NuTone A80 fan grille, highlighting its room-side installation feature.



Figure 2: Overall view of the Broan-NuTone A80 Ventilation Fan, ready for installation.

5. Operating Your Ventilation Fan

The Broan-NuTone A80 Ventilation Fan is designed to effectively remove moisture and odors from your bathroom, improving indoor air quality.

- **Airflow Capacity:** The fan provides 80 CFM (Cubic Feet per Minute) of airflow, suitable for ventilating bathrooms up to 75 square feet.
- **Quiet Operation:** With a noise level of 2.0 Sones, the fan operates quietly, minimizing disruption.
- **Moisture Control:** Operate the fan during and after showers or baths to quickly remove steam and reduce humidity, preventing fogged mirrors and potential mold growth.
- **UL Listing:** This fan is UL Listed for use over tubs and showers when installed on a GFCI (Ground Fault Circuit Interrupter) protected circuit, allowing for optimal placement to capture steam at its source.



Figure 3: The fan grille, illustrating its quiet and efficient performance.



Figure 4: Fan installed in a bathroom, suitable for use over tubs and showers.

6. Maintenance

Regular maintenance ensures optimal performance and longevity of your ventilation fan.

- **Cleaning the Grille:** Periodically remove the grille and wash it by hand with mild soap and water. Rinse thoroughly and dry before reattaching.
- **Cleaning the Fan Housing and Blower:** With power disconnected, gently wipe down the fan housing and blower wheel with a damp cloth. Do not immerse electrical parts in water.
- **Motor Lubrication:** The fan motor is permanently lubricated and does not require additional oiling.
- **Inspection:** Annually inspect the ductwork for any obstructions or damage. Ensure the damper operates freely.

7. Troubleshooting

If you encounter issues with your Broan-NuTone A80 Ventilation Fan, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Fan does not turn on	No power to the unit Loose wiring connection Faulty switch	Check circuit breaker and wall switch. Verify all electrical connections are secure (with power off). Test or replace the wall switch.
Excessive noise	Loose grille or housing Dirty blower wheel Obstruction in ductwork	Ensure grille and housing are securely fastened. Clean the blower wheel and housing. Check ductwork for debris or kinks.
Poor airflow/ventilation	Obstructed ductwork Dirty blower wheel Damper not opening fully	Clear any obstructions in the ductwork. Clean the blower wheel. Inspect the damper for proper operation.

8. Specifications

Feature	Specification
Brand	Broan-NuTone
Model Name	A80
Air Flow Capacity	80 Cubic Feet Per Minute (CFM)
Noise Level	2.0 Sones
Recommended Room Size	Up to 75 sq. ft.
Power Source	Corded Electric
Voltage	120V
Wattage	43.1 watts
Product Dimensions	5.75"D x 10"W x 9.25"H
Item Weight	1 pound
Special Feature	Roomside Installation, TrueSeal Damper Technology
UL Listed	Yes, for use over tubs and showers with GFCI circuit
Included Components	Non-Metallic Damper/Duct Connector

9. Warranty Information

The Broan-NuTone A80 Ventilation Fan comes with a **1-Year Limited Warranty** from the date of original purchase. This warranty covers defects in materials and workmanship under normal use and service. For full warranty terms and conditions, please refer to the documentation included with your product or visit the official Broan-NuTone website.

10. Customer Support

For technical assistance, replacement parts, or any questions regarding your Broan-NuTone A80 Ventilation Fan, please contact Broan-NuTone customer service. Contact information can typically be found on the official Broan-NuTone website or on the product packaging.

You can also visit the Broan-NuTone Store on Amazon for additional product information and resources.

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