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› Broan-NuTone XB80 ULTRA GREEN™ Series Bathroom Exhaust Fan User Manual

Broan-NuTone XB80

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User Manual

1. PRODUCT OVERVIEW

The Broan ULTRA GREEN Exhaust Fan is designed to enhance comfort in your bathroom by providing high-quality, ultra-quiet ventilation. This single-speed fan effectively reduces humidity and odors in rooms up to 75 sq. ft. with an impressive 80 CFM airflow at less than 0.3 Sones, making its operation nearly imperceptible. It features innovative QStream Technology, which uses airflow-smoothing baffles to minimize turbulence, allowing the blower to operate more slowly and quietly without compromising airflow. Installation is simplified with snap-in housing and blower components, ensuring proper seating. The unique telescoping mounting frame expands from 14" to 24", accommodating various ceiling or wall joist constructions for a straightforward installation process. This fan is also suitable for retrofit installations, which can be completed entirely from the room-side, eliminating the need for attic access. It is UL Listed for safe use over bathtubs or showers when connected to a GFCI circuit.



Image 1.1: Broan-NuTone XB80 Exhaust Fan showing the main unit, duct, and grille.

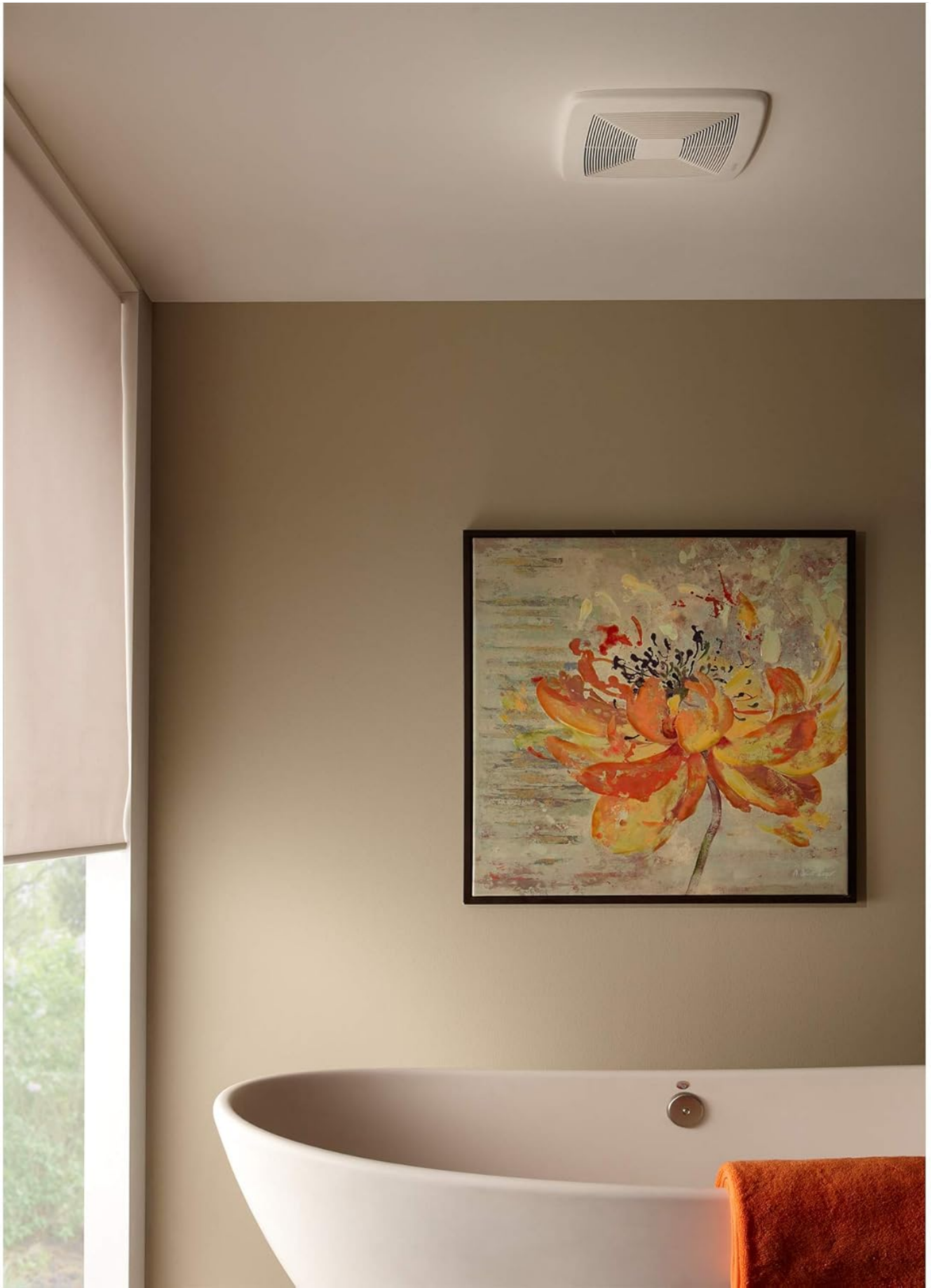


Image 1.2: The Broan-NuTone XB80 Exhaust Fan seamlessly installed in a bathroom ceiling.

2. KEY FEATURES

- **High-Quality Ventilation:** Quiet and energy-efficient, capable of ventilating rooms up to 75 sq. ft.
- **Efficient Performance:** Powerful 80 CFM airflow quickly eliminates fogged mirrors and maintains comfortable surroundings.
- **Easy Room-Side Installation:** Designed for new installations or retrofits entirely from the room-side, requiring no attic access.
- **Ultra-Quiet Operation:** Operates at less than 0.3 Sones for a near-silent experience.
- **Bathroom Suitability:** UL Listed for safe use over tubs and showers with a GFCI circuit.
- **Single Speed:** Provides consistent ventilation.
- **Energy Efficient:** Features a 120-volt power usage, 7.6-watt total wattage, and 0.1 amps amperage capacity.
- **DC Motor Technology:** Ensures efficient and consistent performance.

3. SETUP & INSTALLATION

The Broan-NuTone XB80 is engineered for straightforward installation, particularly for retrofit applications where attic access is not feasible. Always ensure power is disconnected before beginning any installation work.

3.1. Key Installation Features:

- **Room-Side Access:** The design allows for complete installation from within the room, eliminating the need to enter the attic.
- **Snap-in Components:** Housing and blower snap securely into place, providing audible and tactile confirmation of proper seating.
- **Telescoping Mounting Frame:** Expands from 14 inches to 24 inches, fitting various ceiling or wall joist, I-Joist, or truss constructions without guesswork.
- **Duct Connection:** Designed for a 6-inch duct. Ensure proper sealing for optimal performance.
- **GFCI Circuit Requirement:** For installation over bathtubs or showers, a GFCI (Ground Fault Circuit Interrupter) protected circuit is required for safety.

For detailed step-by-step instructions, please refer to the complete installation guide included with your product packaging. Professional installation is recommended if you are unfamiliar with electrical wiring or structural modifications.

4. OPERATING INSTRUCTIONS

The Broan-NuTone XB80 operates as a single-speed exhaust fan, designed for continuous or switched operation to maintain optimal indoor air quality.

4.1. Basic Operation:

- Connect the fan to a standard 120-volt AC power source via a wall switch or timer (not included).

- Activate the fan using the connected switch. The fan will operate at its single, highly efficient speed.
- Due to its ultra-quiet operation (less than 0.3 Sones), you may not hear the fan running. Verify operation by feeling for airflow at the grille.

4.2. Optimizing Performance:

- For best results in removing humidity and odors, operate the fan during and after showering or bathing for at least 15-20 minutes.
- Ensure bathroom doors are slightly ajar or have a sufficient undercut to allow for proper air intake, which enhances ventilation efficiency.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Broan-NuTone XB80 exhaust fan. Always disconnect power to the fan at the circuit breaker before performing any maintenance.

5.1. Cleaning the Grille:

- Periodically remove the grille cover. This typically involves gently pulling down on the grille to disengage the mounting springs.
- Wash the grille cover with mild soap and water. Rinse thoroughly and allow it to dry completely before reattaching.

5.2. Cleaning the Fan Interior:

- With the grille removed, carefully wipe down the fan blades and interior housing with a damp cloth to remove dust and debris. Do not use abrasive cleaners or solvents.
- Ensure all components are dry before restoring power.



Image 5.1: Close-up view of the fan grille, which should be periodically cleaned.

6. TROUBLESHOOTING

If your Broan-NuTone XB80 exhaust fan is not operating as expected, please review the following common issues and solutions before contacting customer support.

Problem	Possible Cause	Solution
Fan does not turn on.	No power to the unit; loose wiring; faulty switch.	Check circuit breaker. Ensure all wiring connections are secure. Test or replace the wall switch.
Fan is noisy.	Accumulated dust/debris on fan blades; loose grille; improper ductwork.	Clean fan blades and interior. Ensure grille is securely attached. Check ductwork for obstructions or kinks.

Problem	Possible Cause	Solution
Poor ventilation/humidity remains.	Blocked ductwork; insufficient air intake; fan undersized for room.	Check ductwork for obstructions. Ensure adequate air gap under bathroom door. Verify fan CFM is appropriate for room size.

If the problem persists after attempting these solutions, please contact Broan-NuTone customer support.

7. SPECIFICATIONS

Attribute	Value
Brand	Broan-NuTone
Model Name	XB80
Style	80 CFM
Air Flow Capacity	80 Cubic Feet Per Minute
Noise Level	0.3 Sones
Power Source	AC
Voltage	120 Volts
Wattage	7.6 watts
Product Dimensions	7.75"D x 13"W x 13.75"H
Item Weight	11.5 Pounds
Room Type	Bathroom
Special Feature	Single Speed
Efficiency	ENERGY STAR certified
Color	White
Material	Plastic
Switch Type	Push Button (Control Method: App - Note: App control may require additional accessories)
Included Components	Cord
Indoor/Outdoor Usage	Indoor
Size	4" Round, 6" Round

8. WARRANTY INFORMATION

The Broan-NuTone XB80 ULTRA GREEN™ Series Single-Speed Fan comes with a **3-Year Warranty**.

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

9. CUSTOMER SUPPORT

If you require further assistance, have questions not covered in this manual, or need to report an issue, please contact Broan-NuTone customer support.

Please have your product model number (XB80) and purchase information ready when contacting support to ensure efficient service.

For the most up-to-date contact information, please visit the official Broan-NuTone website or refer to the contact details provided in your product packaging.