Broan-NuTone QTXE110

Broan-NuTone QTXE110 Ultra-Silent Ventilation Fan Instruction Manual

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Broan-NuTone QTXE110 Ultra-Silent Ventilation Fan. Designed for optimal indoor air quality, this ENERGY STAR certified ceiling-mount unit efficiently removes odors and reduces humidity in rooms up to 105 sq. ft. Its nearly-silent operation (0.7 Sones at 110 CFM) ensures a comfortable environment. Please read this manual thoroughly before installation and use to ensure safe and efficient operation.

Key Features:

- **Versatile Ventilation:** Effectively eliminates odors and humidity in rooms up to 105 sq. ft.
- **Efficient Performance:** Operates at 110 CFM with a low noise level of 0.7 Sones, engineered for continuous use.
- **Easy Installation:** Features a 6-inch duct connector and hanger bar system for quick setup in 2" x 8" ceiling construction spaces.
- **Aesthetic Design:** Includes a paintable polymeric grille that seamlessly integrates with various ceiling decors.
- **Safety Certified:** ENERGY STAR qualified, HVI certified, and UL listed for safe use over bathtubs or showers when connected to a GFCI protected branch circuit.

Product Overview

The Broan-NuTone QTXE110 is engineered for superior air movement and quiet operation. Below are images illustrating the fan unit and its components.



Figure 1: Broan-NuTone QTXE110 Ultra-Silent Ventilation Fan, showing the white grille and the 6-inch round duct connector.

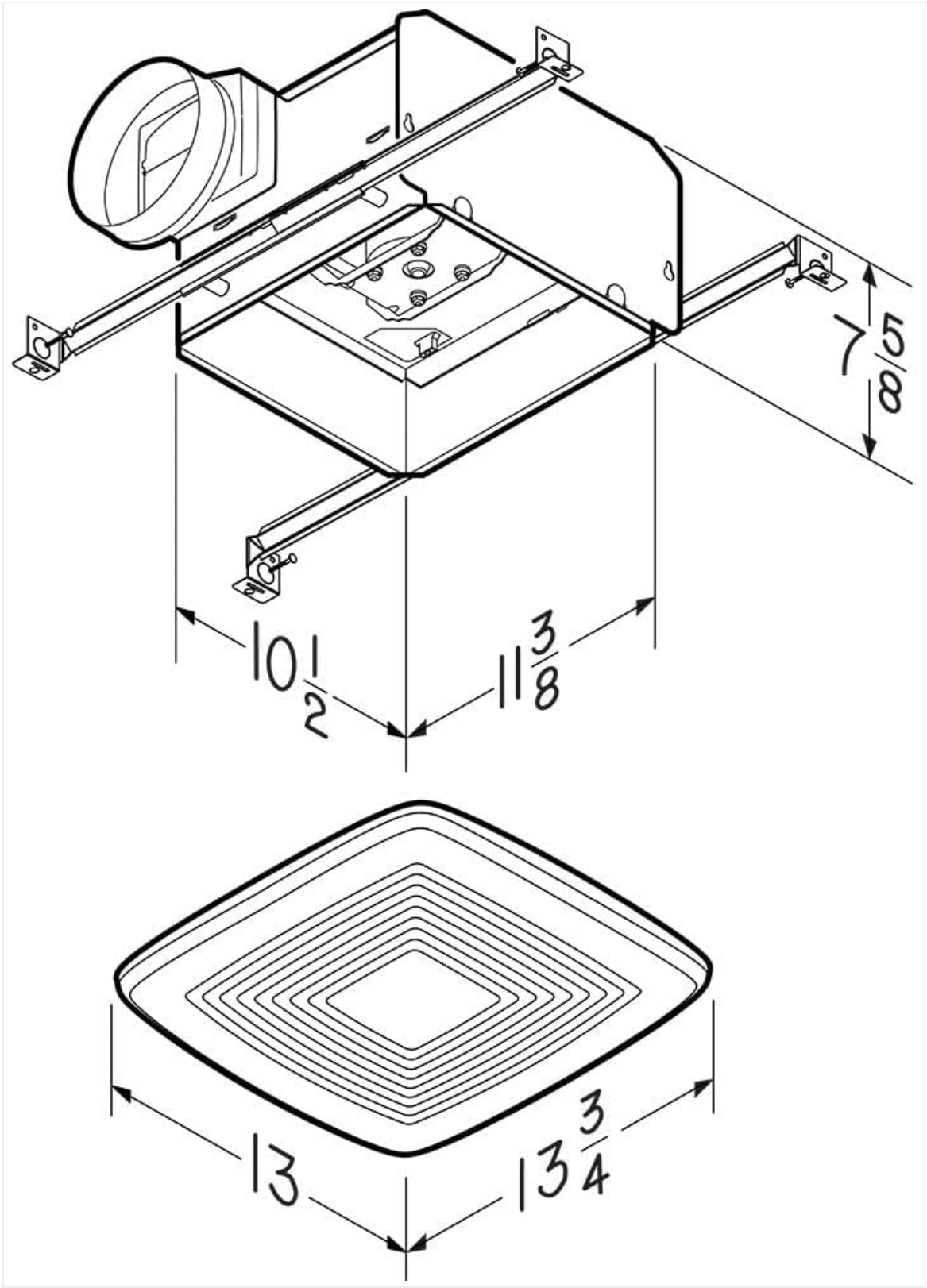


Figure 2: Dimensional line drawing of the Broan-NuTone QTXE110 fan, including housing and grille measurements for installation planning.

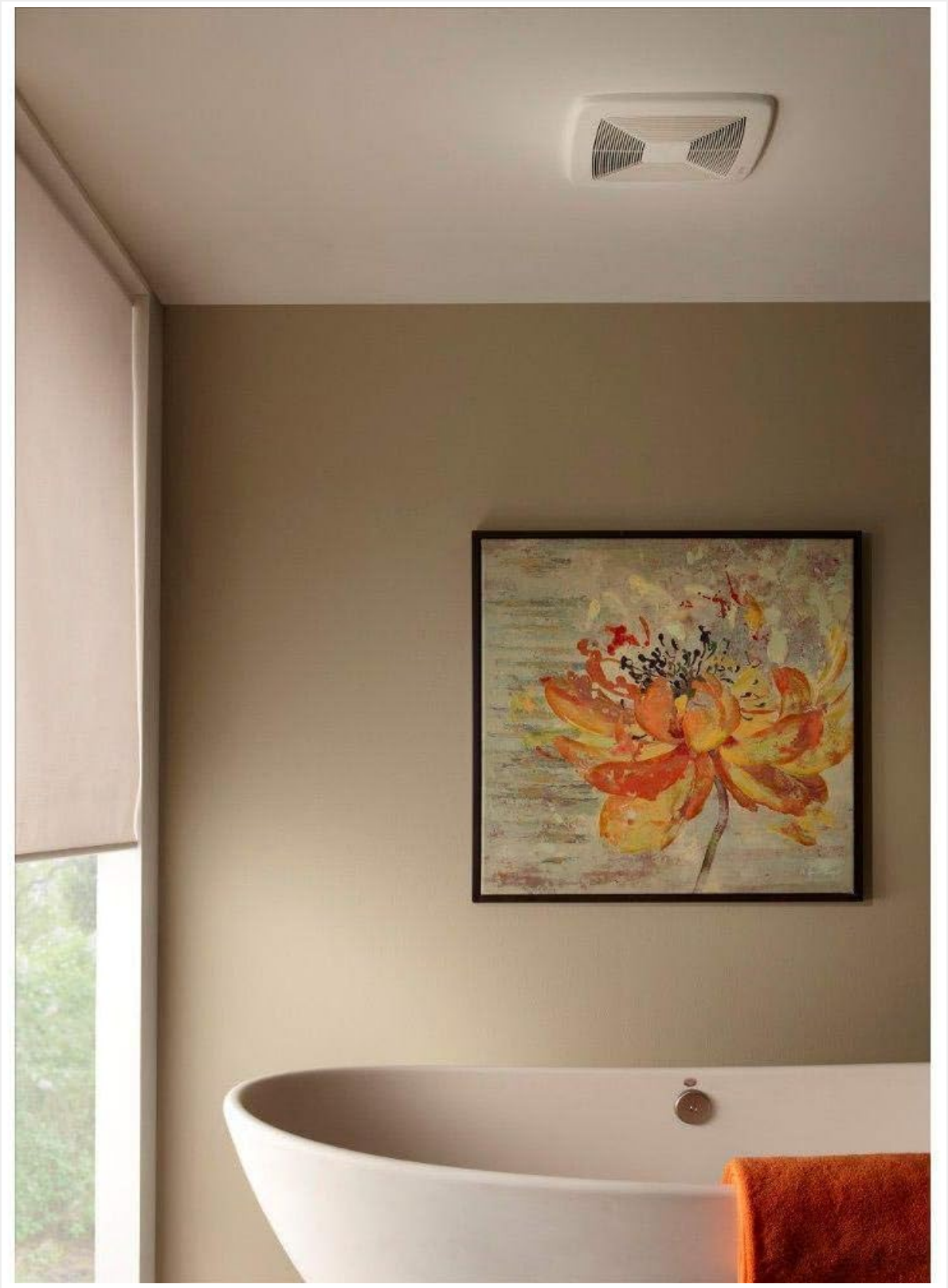


Figure 3: The Broan-NuTone QTXE110 fan installed discreetly in a modern bathroom ceiling, demonstrating its integrated appearance.

Setup and Installation

Proper installation is crucial for the performance and longevity of your ventilation fan. This unit is designed for installation in a 2" x 8" ceiling construction space.

Installation Steps:

1. **Preparation:** Ensure power is disconnected at the circuit breaker before beginning installation. Identify the

desired location in the ceiling, ensuring adequate clearance and access for ducting.

2. **Housing Installation:** Utilize the included hanger bar system to securely mount the fan housing between ceiling joists. The hanger bars facilitate a fast and easy installation.
3. **Duct Connection:** Connect a 6-inch round duct to the fan's duct connector. Ensure all connections are sealed to prevent air leakage and maximize efficiency.
4. **Electrical Wiring:** Connect the fan to a 120V AC power source. If installing over a bathtub or shower, a GFCI protected branch circuit is required for safety. Follow all local electrical codes.
5. **Grille Attachment:** Once the housing and wiring are complete, attach the paintable polymeric grille. The grille is designed to blend seamlessly with your ceiling.

For detailed wiring diagrams and specific mounting instructions, refer to the full installation guide provided in the product packaging.

Operating Instructions

The Broan-NuTone QTXE110 fan is designed for simple operation and continuous performance.

Basic Operation:

- **Power On/Off:** The fan is typically controlled by a wall switch. Flip the switch to turn the fan on or off.
- **Continuous Operation:** This fan is engineered for continuous operation, providing ongoing air circulation and humidity control.
- **Quiet Performance:** Experience nearly silent operation at 0.7 Sones, ensuring minimal disturbance.

Ensure the fan is running during and after activities that generate moisture or odors, such as showering or cooking, to effectively remove airborne particulates and maintain air quality.

Maintenance

Regular maintenance ensures optimal performance and extends the life of your Broan-NuTone ventilation fan.

Cleaning the Grille:

1. **Disconnect Power:** Always turn off power to the fan at the service panel before cleaning.
2. **Remove Grille:** Gently pull down the grille from the ceiling. It is typically held by spring clips.
3. **Clean Grille:** Wash the grille with mild soap and water. Rinse thoroughly and allow it to dry completely before reattaching.
4. **Clean Fan Interior (Optional):** If accessible, carefully wipe down the fan housing interior and blower wheel with a damp cloth. Avoid getting moisture into electrical components.
5. **Reattach Grille:** Align the grille with the housing and push it firmly until the spring clips secure it in place.
6. **Restore Power:** Turn power back on at the service panel.

Perform this cleaning at least once every six months, or more frequently in dusty or high-humidity environments.

Troubleshooting

If your Broan-NuTone QTXE110 fan is not operating as expected, consult the following common troubleshooting steps:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Fan does not operate	No power to the fan; tripped circuit breaker; loose wiring connection.	Check circuit breaker and wall switch. Verify electrical connections are secure (consult a qualified electrician if unsure).
Reduced airflow or excessive noise	Dirty grille or blower wheel; obstructed ducting; loose mounting.	Clean the grille and blower wheel as described in the Maintenance section. Check ducting for obstructions. Ensure the fan housing is securely mounted.
Fan runs continuously	Designed for continuous operation; humidity sensor (if applicable) detecting high humidity.	This model is designed for continuous operation. If it has a humidity sensor (not standard on QTXE110 but common in similar models), it may be responding to environmental conditions.

If these steps do not resolve the issue, contact Broan-NuTone customer support or a qualified service technician.

Specifications

Detailed technical specifications for the Broan-NuTone QTXE110 Ventilation Fan:

Feature	Detail
Model Name	QTXE110
Brand	Broan-NuTone
Air Flow Capacity	110 Cubic Feet Per Minute (CFM)
Noise Level	0.7 Sones
Room Type	Bathroom (up to 105 sq. ft.)
Power Source	AC
Voltage	120V
Wattage	31.4 watts
Product Dimensions	13"D x 13.75"W x 8.63"H
Item Weight	11 Pounds
Mounting Type	Ceiling Mount
Duct Connector Size	6-Inch Round
Special Features	ENERGY STAR Certified, Ultra Quiet
Included Components	Hanger Bars, Non-Metallic Damper/Duct Connector
Safety Certifications	HVI Certified, UL Listed (for use over bathtub/shower with GFCI)

Official Product Videos

Broan Bath Ventilation Fans Product Line

Your browser does not support the video tag.

This video provides an overview of the Broan-NuTone bath ventilation fan product line, highlighting various features and benefits across different models. It showcases the brand's commitment to improving indoor air quality and offers insights into their innovative ventilation solutions.

Warranty and Support

Broan-NuTone products are manufactured to high-quality standards. For specific warranty information, please refer to the warranty card included with your product or visit the official Broan-NuTone website. For technical assistance, replacement parts, or further inquiries, please contact Broan-NuTone customer support.

Contact Information: Refer to your product packaging or the official Broan-NuTone website for the most current contact details.