Broan-NuTone 505

Broan-NuTone 505 Exhaust Fan User Manual

Model: 505

Introduction

The Broan-NuTone 505 Exhaust Fan is engineered to provide efficient ventilation, effectively removing humidity, tobacco smoke, and cooking odors from various rooms such as laundry rooms, recreational rooms, and kitchens. Its compact design allows for easy installation between ceiling joists, making it a versatile solution for improving indoor air quality. This fan operates at 200 CFM with an 8.5 Sones rating, balancing powerful air movement with reasonable noise levels.

Safety Information

WARNING: To reduce the risk of fire, electric shock, or injury to persons, observe the following:

1. Always disconnect power at the service panel before servicing or cleaning the unit.
2. 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.
3. 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.
4. When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.
5. Ducted fans must always be vented to the outdoors.
6. This unit is designed for vertical discharge only. Do not install horizontally.

Package Contents

- Broan-NuTone 505 Exhaust Fan Unit
- White Polymeric Grille
- Steel Mounting Brackets
- Installation Hardware (screws, nuts)
- Instruction Manual

Setup

Installation

The Broan-NuTone 505 Exhaust Fan is designed for straightforward installation between ceiling joists. The galvanized steel housing fits easily into standard ceiling constructions. Steel mounting brackets with keyhole slots are included to facilitate a fast and secure setup. Ensure the fan is positioned for vertical discharge and connected to an appropriate 8-inch round duct for optimal performance.



The Broan-NuTone 505 Exhaust Fan features a white polymeric grille and a galvanized steel housing, designed for vertical discharge.



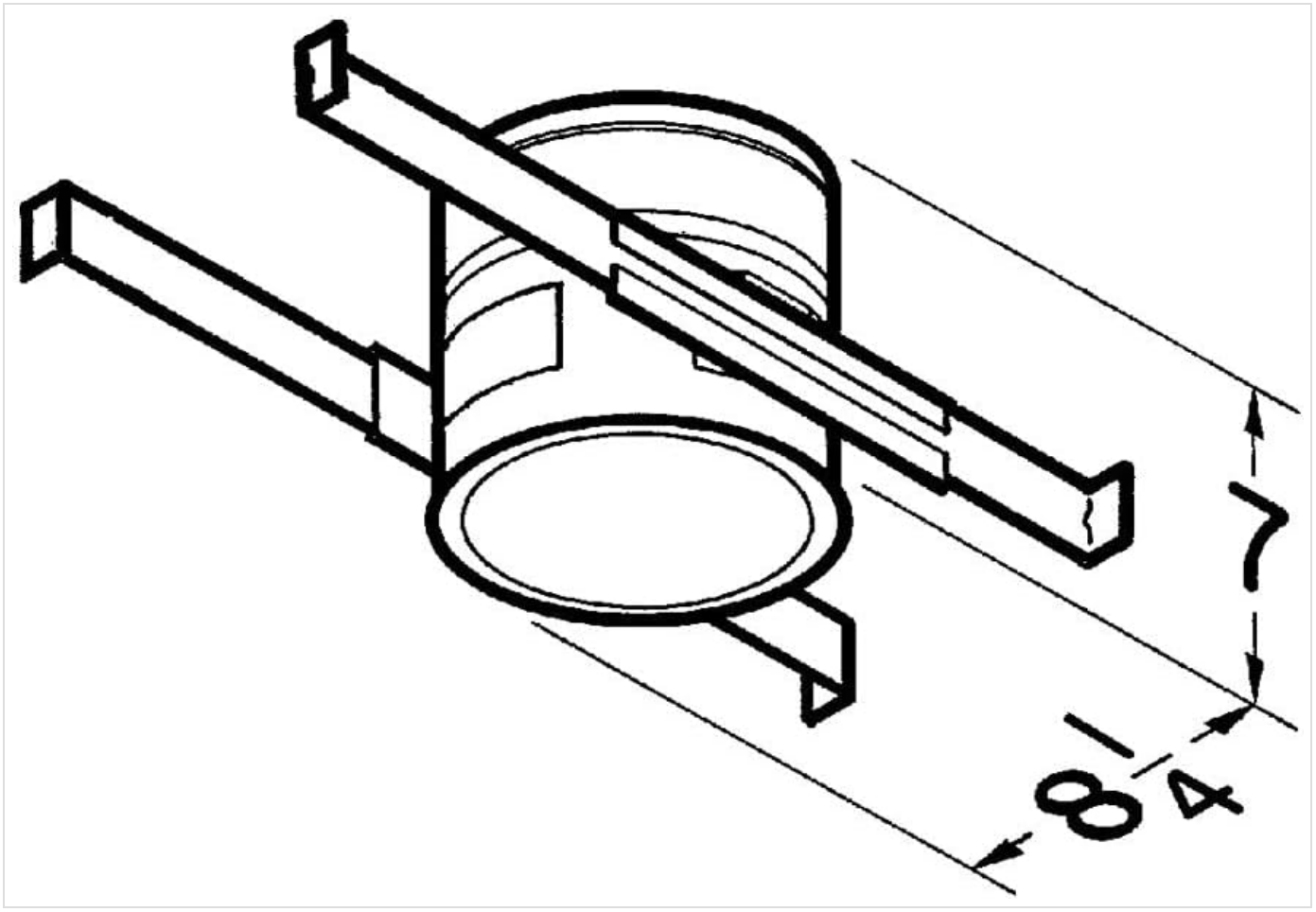
The exhaust fan seamlessly integrates into a laundry room ceiling, effectively removing humidity and odors.

Dimensions

Before installation, verify that the fan dimensions are compatible with your intended mounting location. The housing measures 8-1/4 inches in diameter by 7 inches high, and the grille is 11.5 inches square.



This diagram illustrates the housing dimensions: 8-1/4 inches diameter by 7 inches high, fitting an 8-inch round duct.



This diagram shows the grille dimensions: 11.5 inches square.

Operating Instructions

The Broan-NuTone 505 Exhaust Fan is designed for simple operation, typically controlled via a standard wall switch. Once installed and wired, activate the fan by flipping the connected switch to the 'ON' position. The fan will begin to draw air from the room, expelling it through the ductwork to the outdoors. To turn off the fan, simply flip the switch to the 'OFF' position.

This fan is highly effective in areas requiring significant air exchange, such as bathrooms, laundry rooms, or kitchens, to manage humidity, odors, and airborne particulates.

Maintenance

Cleaning the Grille and Fan Blades

Regular cleaning of the fan grille and blades will ensure optimal performance and longevity. Before cleaning, always ensure the power to the fan is disconnected at the circuit breaker.

1. Carefully remove the white polymeric grille from the fan housing. The grille can typically be pulled down or unlatched.
2. Wash the grille with mild soap and water. Rinse thoroughly and allow it to dry completely before reinstallation.
3. Using a soft cloth or brush, gently wipe down the fan blades and the interior of the housing to remove any accumulated dust or debris. A vacuum cleaner with a brush attachment can also be used for this purpose.
4. The motor is permanently lubricated and does not require additional oiling.
5. Once the grille and fan components are clean and dry, carefully reattach the grille to the fan housing.

Troubleshooting

Problem	Possible Cause	Solution
Fan does not operate	No power supply; loose wiring; faulty switch; motor issue.	Check circuit breaker. Ensure all wiring connections are secure. Test the switch. If motor is faulty, contact customer support.
Low airflow	Dirty grille or fan blades; obstructed ductwork; incorrect duct size.	Clean grille and fan blades. Check ductwork for obstructions or kinks. Ensure 8-inch duct is used.
Excessive noise	Loose mounting; debris in fan; worn motor bearings.	Ensure fan is securely mounted. Clean fan blades and housing for debris. If noise persists, motor may need replacement.

Specifications

Feature	Detail
Brand	Broan-NuTone
Model Name	505
Air Flow Capacity	200 CFM (Cubic Feet Per Minute)
Noise Level	8.5 Sones
Product Dimensions	7"D x 8.25"W x 8.25"H (Housing)

Feature	Detail
Grille Dimensions	11.5" Square
Duct Size	8 Inches (Round)
Power Source	AC
Voltage	120V
Wattage	60 watts
Material	Galvanized Steel Housing, Polymeric Grille
Installation Type	Ceiling Mount, Vertical Discharge

Warranty and Support

Warranty Information

The Broan-NuTone 505 Exhaust Fan comes with a 1-year limited manufacturer's warranty. This warranty covers defects in materials and workmanship under normal use and service. Please retain your proof of purchase for warranty claims.

Customer Support

For technical assistance, troubleshooting beyond the scope of this manual, or warranty inquiries, please contact Broan-NuTone customer support. Refer to the official Broan-NuTone website or the product packaging for the most current contact information.

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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