Broan-NuTone FIN-180P-HW

Broan Fresh In Premium In-Line Mounted Supply Fan

User Manual - Model FIN-180P-HW

1. Introduction

The Broan Fresh In Premium In-Line Mounted Supply Fan (Model FIN-180P-HW) is designed to provide efficient fresh air ventilation in residential settings. This fan offers both code-compliant ventilation settings and comfort modes, ensuring optimal indoor air quality. Its compact design allows for versatile installation in various locations within your home's structure.

This manual provides essential information for the safe installation, operation, and maintenance of your Broan Fresh In supply fan. Please read all instructions carefully before beginning installation or use.

2. Safety Information

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

- Install this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer.
- Before servicing or cleaning, switch power off at the service panel and lock the service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.
- 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.
- 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.
- Do not use this fan with any solid-state speed control device.
- This unit is not intended for use in kitchens.

3. Package Contents

Verify that all components are present before beginning installation:

- Broan Fresh In Premium In-Line Mounted Supply Fan (Model FIN-180P-HW)
- Mounting Bracket (for 12" ceiling joists)
- Washable Aluminum Filter
- Installation Hardware (screws, etc.)
- User Manual (this document)
- *Note: A separate mounting bracket kit (Model FIN-S1624) is required for installation between 16" and 24" joists and is not included.*

4. Setup and Installation

The Broan Fresh In supply fan is designed for flexible installation. It can be mounted flush to the ceiling, in the attic, within a wall, or any location where it fits and can be properly ducted to the outdoors.



Figure 4.1: Broan Fresh In Premium In-Line Mounted Supply Fan. This image shows the main unit of the supply fan, a rectangular metal box with circular duct connections on two opposing sides. The unit is designed for in-line installation within ductwork.

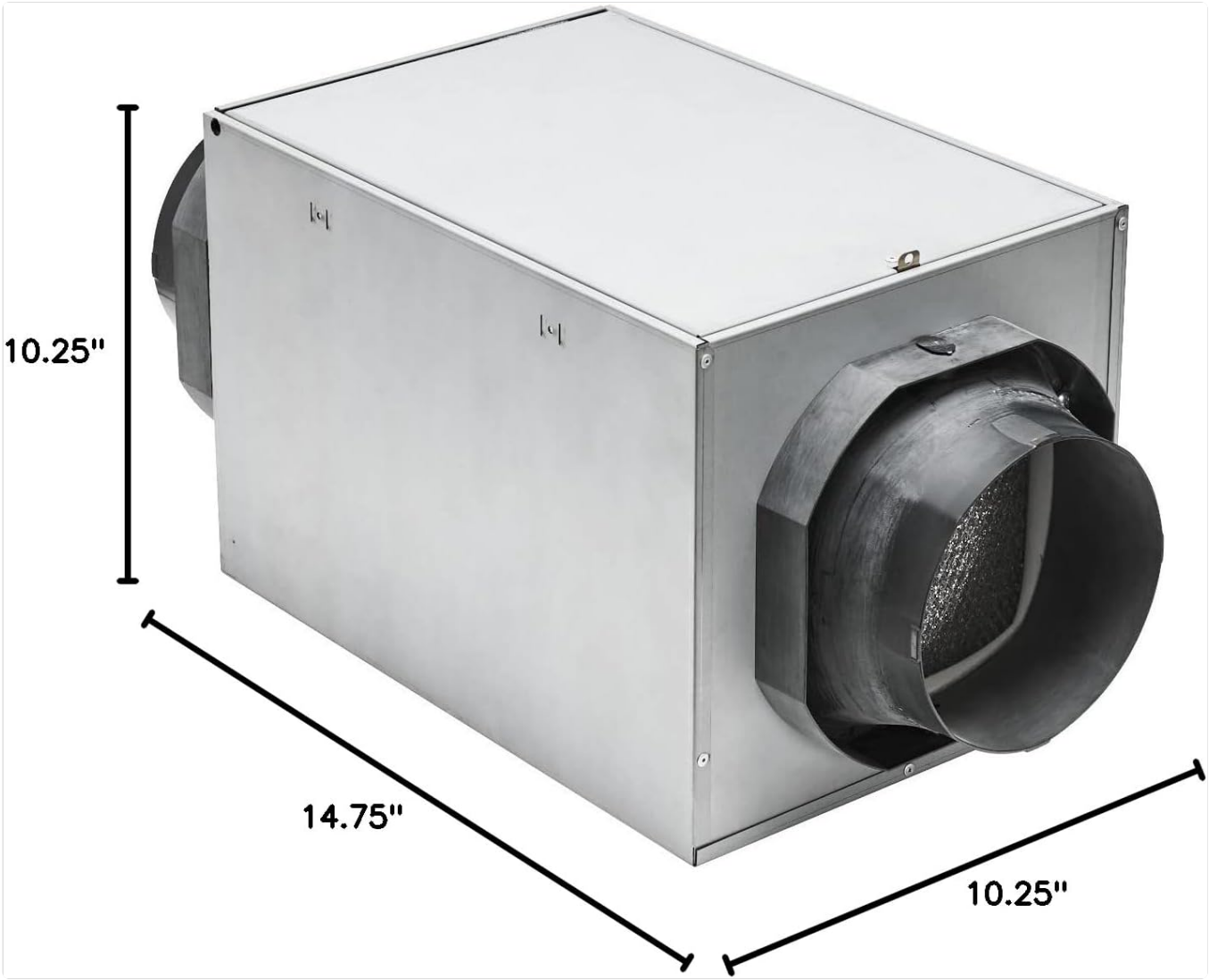


Figure 4.2: Broan Fresh In Premium In-Line Mounted Supply Fan with Dimensions. This image displays the supply fan unit with measurements indicating its length (14.75 inches), width (10.25 inches), and height (10.25 inches), providing a clear understanding of its physical size for installation planning.

4.1 Mounting Options

- **Between Joists:** The included bracket facilitates installation between 12-inch ceiling joists. For 16-inch to 24-inch joists, the optional FIN-S1624 mounting bracket kit is required.
- **Flush Mount:** Can be mounted flush to the ceiling or wall.
- **Attic/Remote:** Suitable for installation in attics or other remote locations, provided proper ducting is maintained.

4.2 Electrical Connection

The unit is available in both hardwired and 6-ft power cord versions. Ensure all electrical connections comply with local electrical codes and are performed by a qualified electrician.

- For hardwired models, connect the fan to a dedicated circuit as per wiring diagrams provided in the full installation guide (not included in this manual).
- For models with a 6-ft power cord, plug the unit into a grounded electrical outlet.

4.3 Ducting

Ensure proper ducting to the outdoors. The fan features 6-inch round ports. Use appropriate ducting materials and seal all connections to prevent air leakage and maintain efficiency.

5. Operating Instructions

The Broan Fresh In fan features built-in intelligence for optimal airflow and can be configured for code compliance or personal comfort preferences.

5.1 Operating Modes

- **Code-Compliant Settings:** The fan can be set to meet specific ventilation codes, providing continuous fresh air as required.
- **Comfort Modes:** For situations where code compliance is not the primary concern, select from one of five comfort modes to suit your personal preferences for air exchange.

Refer to the detailed installation and operation guide (typically provided with the product packaging) for specific instructions on configuring these modes and settings.

5.2 Temperature and Humidity Sensor

The fan is equipped with a temperature and humidity sensor, allowing it to automatically adjust operation based on environmental conditions to maintain desired indoor air quality and comfort levels.

6. Maintenance

Regular maintenance ensures the longevity and efficient operation of your Broan Fresh In supply fan.

6.1 Filter Cleaning and Replacement

The unit includes a washable aluminum filter. Periodically inspect and clean the filter to prevent clogging and maintain optimal airflow.

- **Access:** The filter is accessible via a paintable filter access door.
- **Cleaning:** Remove the aluminum filter and wash it with warm, soapy water. Rinse thoroughly and allow it to dry completely before reinserting.
- **Optional Filters:** For enhanced filtration, optional MERV 8 (mold spore and fine dust capture) and MERV 13 (mold spore, fine dust, bacteria and smoke capture) filters are available. Replace these according to manufacturer recommendations.

6.2 General Cleaning

Wipe down the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.

7. Troubleshooting

If you experience issues with your Broan Fresh In supply fan, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Fan does not turn on.	No power supply.	Check circuit breaker/fuse. Ensure unit is properly plugged in (if corded) or wired (if hardwired).
Reduced airflow.	Clogged filter.	Clean or replace the air filter.
Reduced airflow.	Ductwork obstruction or leakage.	Inspect ductwork for blockages or disconnections. Ensure all duct connections are sealed.
Unusual noise.	Loose components or debris in fan.	Turn off power and inspect the fan for any loose parts or foreign objects.

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

8. Specifications

Feature	Detail
Model Number	FIN-180P-HW
Brand	Broan-NuTone
Airflow (CFM)	180 Cubic Feet Per Minute
Sound Level (Sones)	0.65 Sone
Product Dimensions (L x W x H)	14.75" x 10.25" x 10.25"
Item Weight	14.4 Pounds
Voltage	120 Volts (AC)
Amperage	0.7 Amps
Filter Type	Washable Aluminum (Optional MERV 8, MERV 13)
Ports Size	6" Round
Mounting Type	Wall Mount / In-Line
Energy Star Certified	Yes (Most Efficient of ENERGY STAR® in 2022)
First Available Date	July 15, 2022
UPC	026715260256

9. Warranty Information

The Broan Fresh In Premium In-Line Mounted Supply Fan (Model FIN-180P-HW) comes with a**5 Year Limited Parts Warranty**. For specific terms and conditions of the warranty, please refer to the warranty card included with your product or visit the official Broan-NuTone website.

10. Customer Support

For technical assistance, replacement parts, or warranty claims, please contact Broan-NuTone customer support.

Visit the official Broan-NuTone website for up-to-date contact information and additional resources:www.broan-nutone.com

When contacting support, please have your model number (FIN-180P-HW) and date of purchase readily available.

© 2024 Broan-NuTone LLC. All rights reserved.

Ask a question about this manual

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

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.

Submit question