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Broan-NuTone BCDF130SS

Broan-NuTone Glacier Convertible Range Hood

Model: BCDF130SS | Brand: Broan-NuTone

Introduction

The Broan-NuTone Glacier BCDF130SS Under-Cabinet Convertible Range Hood is designed to provide efficient ventilation and lighting for your kitchen. This versatile unit offers a complete solution for removing smoke and cooking odors, ensuring a cleaner and more comfortable cooking environment. It features a powerful 375 CFM blower, 3-speed tap-touch capacitive controls, and bright 2-level LED modules for optimal illumination.



Figure 1: Front view of the Broan-NuTone Glacier Range Hood.

Setup and Installation

Proper installation is crucial for the optimal performance of your range hood. This section outlines the necessary tools and steps for a successful setup.

Tools and Materials Needed

- Measuring Tape
- Phillips Screwdriver
- Flathead Screwdriver
- Drill with 1/8", 7/64", 3/8" bits, and 1.5" hole saw

- Jigsaw
- Sheet Metal Shears
- Pliers
- Metal Foil Duct Tape
- Scissors
- Pencil
- Wire Stripper
- Strain Relief
- Safety Glasses and Gloves

Preparing the Hood

1. Remove the grease filters from the hood.
2. Remove the screws holding the damper assembly to the hood. Carefully remove the parts bag and the damper assembly from inside the hood.
3. Remove the wire cover.
4. Remove the round duct plate.
5. Remove the electrical power cable knockout.



Figure 2: Internal view of the range hood with components removed for preparation.

Ducting Options

The Broan-NuTone Glacier range hood supports four ducting configurations:

- **Vertical Ducting (with included damper):** Remove the 3.25" x 10" knockout on top of the hood.
- **Horizontal Ducting (with included damper):** Remove the rectangular knockout on the back of the hood.
- **Vertical Ducting (using round duct pipe):** Remove the round duct knockout on top of the hood. Replace the duct plate and attach the duct pipe to the hood using metal foil duct tape, ensuring an airtight joint.
- **Non-Ducted (recirculation):** Remove the three screws holding the recirculation cover plate to the hood. Discard the plate and screws. No other duct knockouts should be removed for non-ducted installation.

Cabinet Preparation

1. Use the included template to mark the cabinet. Measure and mark the hood's center line on the bottom of the cabinet.
2. Line up the template with the marked line. If you have a framed cabinet, fold over the rear edge of the template so the depth matches the cabinet frame at the wall.

3. Drill a 1/8" pilot hole for house wiring at the 'A' location on the template.
4. Use a sharp pencil or a 1/8" drill bit to mark the points along the duct access hole. Remove the template from the cabinet.
5. Connect the dots to draw the border for the exhaust ducting.
6. Drill a 3/8" hole at a point along the line to start the jigsaw cut, then cut the opening with the jigsaw.

Mounting the Hood

1. Utilize the included EZ1 brackets for installation. There are four included brackets: two for framed cabinets and two for frameless cabinets. The brackets are engraved to indicate which side they belong to (LEFT/RIGHT).
2. Hold the bracket up to the cabinet, ensuring the back of the bracket is against the back wall. Mark three screw holes.
3. Use a 7/64" drill bit to drill pilot holes at your pencil marks.
4. Secure the brackets with the included wood screws.
5. Simply slide the hood onto the EZ1 brackets. These brackets will temporarily hold the hood in place until you complete the installation.
6. If installing duct or electrical from the back, use the rear EZ1 slots on the hood to temporarily hold the hood in place while wiring or finishing the duct.
7. Hang the hood on the brackets through the front recessed holes on top of the hood.
8. Secure the hood to the bracket with the four included screws.

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Video 1: Detailed installation guide for the Broan-NuTone Glacier Range Hood.

Electrical Connection

1. Attach the strain relief to the hood.
2. Pull the house power cable through the strain relief.
3. Connect the house power cable to the range hood wiring by connecting black to black, white to white, and green or bare wire under the green ground screw.
4. Replace the wiring cover and attach it to the hood with the retaining screw.

Operating Instructions

The Broan-NuTone Glacier range hood features intuitive controls for fan speed and lighting.

Fan Controls

The range hood is equipped with a 3-speed tap-touch capacitive control for adjusting the fan performance. Simply tap the fan icon to cycle through low, medium, and high speeds, or to turn the fan off.

Lighting Controls

The integrated LED modules provide bright illumination for your cooking area. Tap the light icon to switch between two light levels (low and high) or to turn the lights off.



Figure 3: Broan-NuTone Glacier Range Hood installed above a cooktop, showing its sleek design and integrated lighting.

Maintenance

Regular maintenance ensures the longevity and efficient operation of your range hood.

Filter Cleaning

The range hood includes two one-piece dishwasher-safe micro-mesh filters. These filters have clean reminders to help you maintain optimum grease capture. Regularly remove and clean the filters to ensure proper ventilation. For non-ducted installations, charcoal filters (sold separately) will also need to be replaced periodically according to their instructions.



Figure 4: Underside view of the range hood, highlighting the removable micro-mesh filters and LED lighting.

Troubleshooting

If you encounter issues with your range hood, consider the following common solutions:

- **Reduced Airflow:** Check if the filters are clogged with grease and require cleaning or replacement. Ensure no obstructions are blocking the ductwork.
- **Unusual Noise:** Verify that the filters are properly seated. Check for any loose components or debris within the fan assembly.
- **Lights Not Working:** Ensure the power supply is active. If LED modules are faulty, they may require replacement (refer to warranty information).

For more complex issues, consult the full user manual or contact a qualified technician.

Specifications

Specification	Value
Air Flow Capacity	375 Cubic Feet Per Minute (CFM)
Material	Stainless Steel
Noise Level	1.5 Sones
Mounting Type	Under Cabinet Mount
Included Components	LED Modules, Damper, Filters, Hardware, EZ1 Brackets
Controls Type	Touch
Voltage	120 Volts

Number of Speeds	3
Item Weight	20.7 Pounds
Light Source Type	LED
Wattage	78 watts
Filter Type	Mesh
Ventilation Type	Convertible
Manufacturer	Broan-NuTone
Model Info	BCDF130SS
Product Dimensions	19.63 x 29.88 x 6 inches

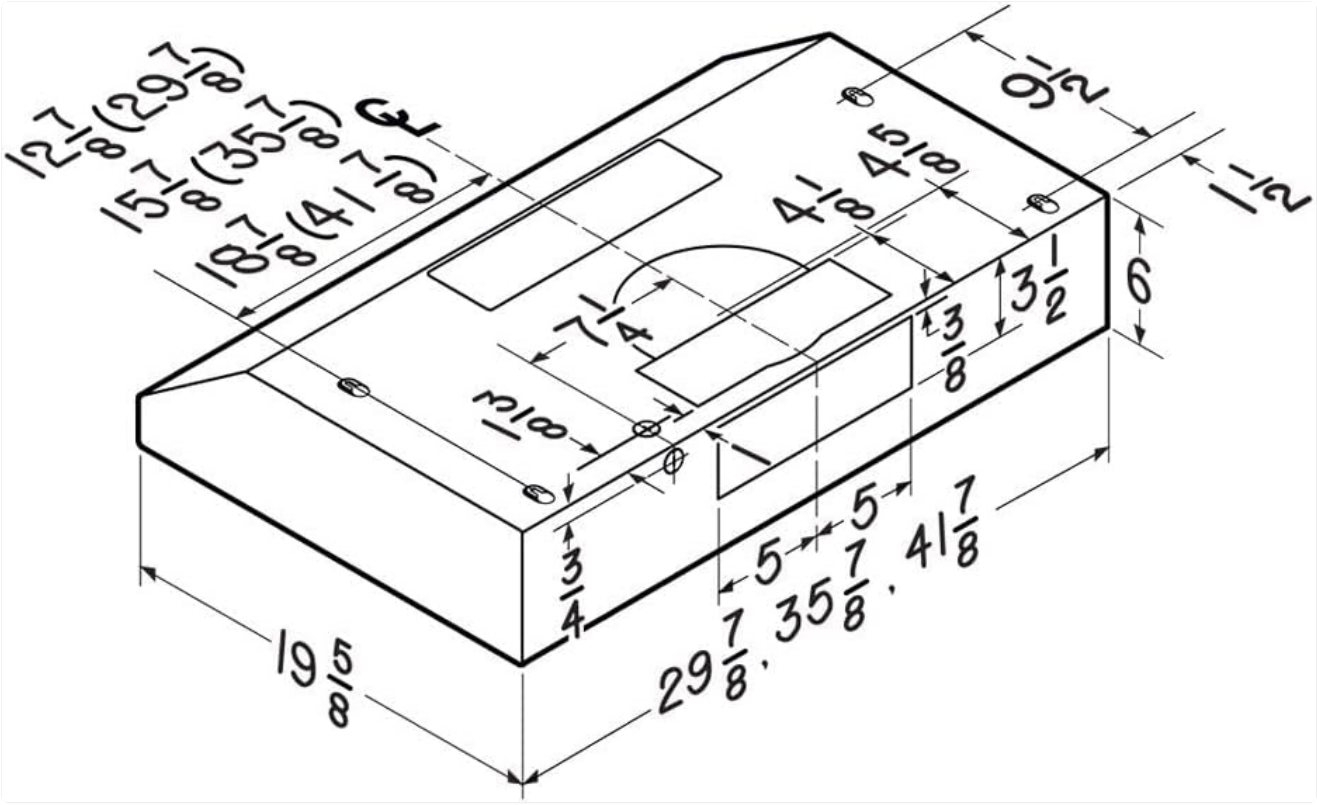


Figure 5: Detailed dimensions of the Broan-NuTone Glacier Range Hood.

Warranty and Support

The Broan-NuTone Glacier BCDF130SS Range Hood includes a 1-year limited warranty on the unit and a 3-year limited warranty on the LED module.

For detailed information, installation instructions, or further support, please refer to the official user manual available in PDF format: User Manual (PDF).

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