

Broan-NuTone 413004

Broan-NuTone 413004 Non-Ducted Under Cabinet Range Hood Instruction Manual

Model: 413004 | Brand: Broan-NuTone

PRODUCT OVERVIEW

The Broan-NuTone 413004 is a 30-inch non-ducted range hood designed for under-cabinet installation. This unit provides effective ventilation and lighting for your cooking area, utilizing a charcoal filter system to remove smoke and odors without requiring external ductwork. Its stainless steel construction ensures durability and a clean aesthetic, while user-friendly controls offer convenient operation.

Key Features:

- **High-Quality Ductless Range Hood Insert:** Stainless steel hood insert improves ventilation and lighting over your stove with a non-ducted filtration system that effectively removes smoke and odors.
- **Effective Lighting:** Designed for LED, 75W max (bulb not included). If using an incandescent bulb, purchase light guard #S99110437 separately.
- **Easy Care:** Replaceable charcoal filter maintains optimum grease capture and keeps the kitchen fresh.
- **Versatile Controls:** Separate rocker switches control the light and the 2-speed fan for easy use. Recommended Bulb Type: A19.
- **Ideal Size:** Range hood insert measures 30 inches and should be installed at least 18 inches above the cooktop.

SETUP AND INSTALLATION

The Broan-NuTone 413004 range hood is designed for straightforward under-cabinet installation. Ensure you have the necessary tools, including a pencil, measuring tape, hammer, screwdriver or drill, and a level. For non-ducted recirculation, a charcoal filter is required (included). The unit features multiple mounting positions for flexibility.

Installation Steps:

1. **Preparation:** Ensure the power supply is off before beginning installation. The hood should be installed at least 18 inches above the cooktop for optimal performance.
2. **Mounting:** Position the range hood under the cabinet. Utilize the provided mounting holes on the top and back of the unit. Secure the hood to the cabinet using appropriate screws. A mounting template may be

included to assist with precise placement.

3. **Electrical Connection:** The hood comes with a pre-attached cord. Simply plug it into an existing electrical outlet within the cabinet space. If hardwiring is required, consult a qualified electrician.
4. **Filter Installation:** Insert the charcoal filter into its designated slot. Ensure it is securely in place for effective air filtration.

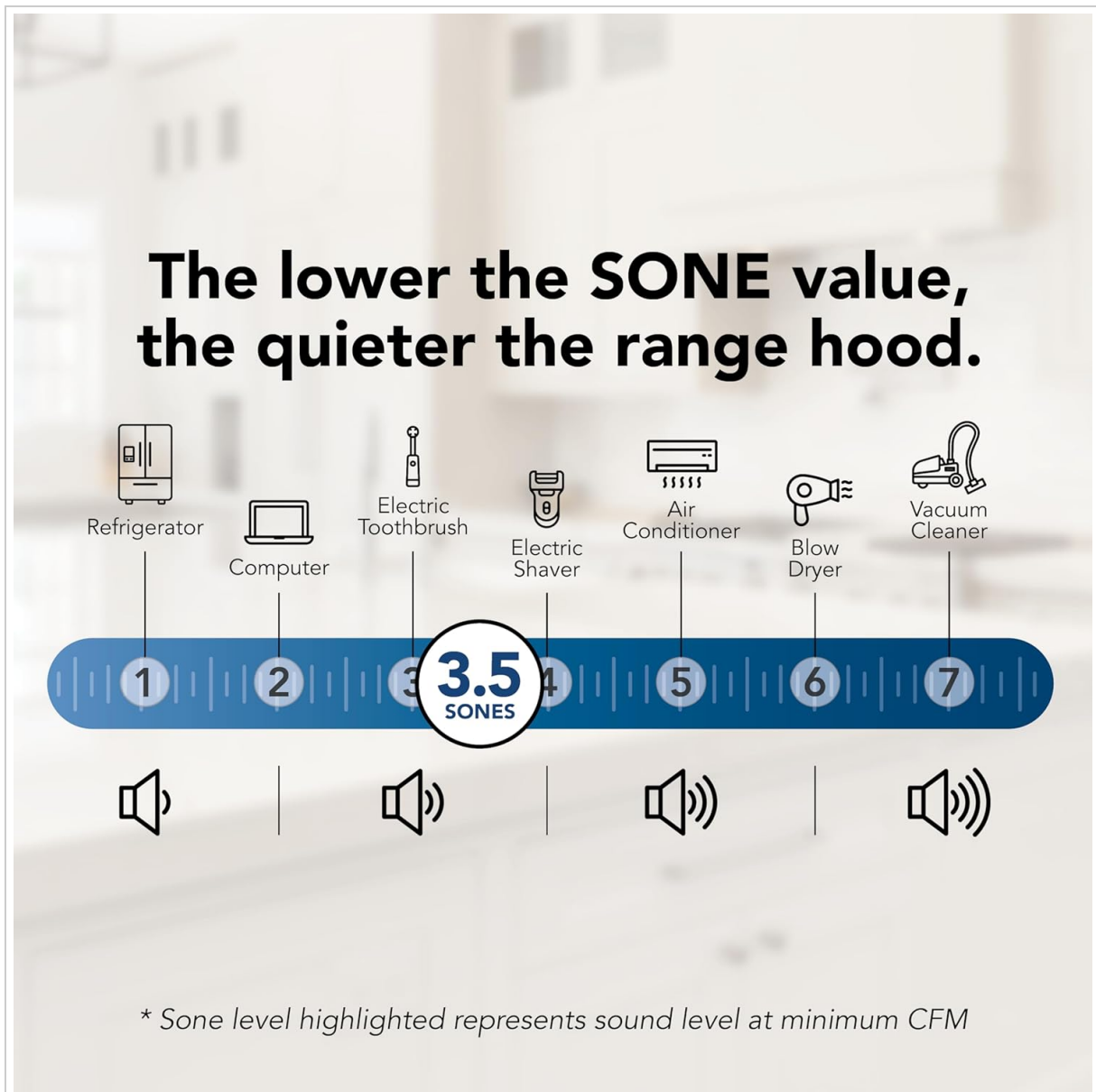


Figure 1: Detailed dimensions diagram for the Broan-NuTone 413004 range hood, showing measurements for width, depth, and height, crucial for proper installation planning.



Figure 2: The Broan-NuTone 413004 range hood seamlessly installed under a kitchen cabinet, demonstrating its sleek stainless steel appearance in a typical kitchen setting.

OPERATING INSTRUCTIONS

The Broan-NuTone 413004 range hood features simple rocker switches for controlling the fan and lighting functions.

Fan Operation:

- Locate the fan rocker switch on the front panel of the hood.

- Toggle the switch to select between two fan speeds: **Low** for general ventilation or **High** for more intense smoke and odor removal.
- Return the switch to the center position to turn the fan off.

Light Operation:

- Locate the light rocker switch next to the fan switch.
- Toggle the switch to the 'On' position to illuminate your cooktop.
- Toggle the switch to the 'Off' position to turn the light off.



Figure 3: Close-up view of the rocker switches for fan speed (HI/LO) and light control on the Broan-NuTone range hood, indicating clear and accessible user interface.

MAINTENANCE

Regular maintenance of your Broan-NuTone range hood ensures optimal performance and longevity. The charcoal filter is designed for easy replacement, and the unit's smooth surfaces simplify cleaning.

Filter Replacement:

- The charcoal filter is replaceable to maintain effective odor and smoke removal. Refer to the product manual for specific filter replacement intervals, typically every 3-6 months depending on usage.

- To replace, locate the quick-release tabs on the filter, detach, and insert a new filter.

Cleaning:

- The smooth stainless steel surfaces are easy to wipe clean with a damp cloth and mild detergent. Avoid abrasive cleaners.
- The quick-release filters are dishwasher-safe for convenient cleaning.

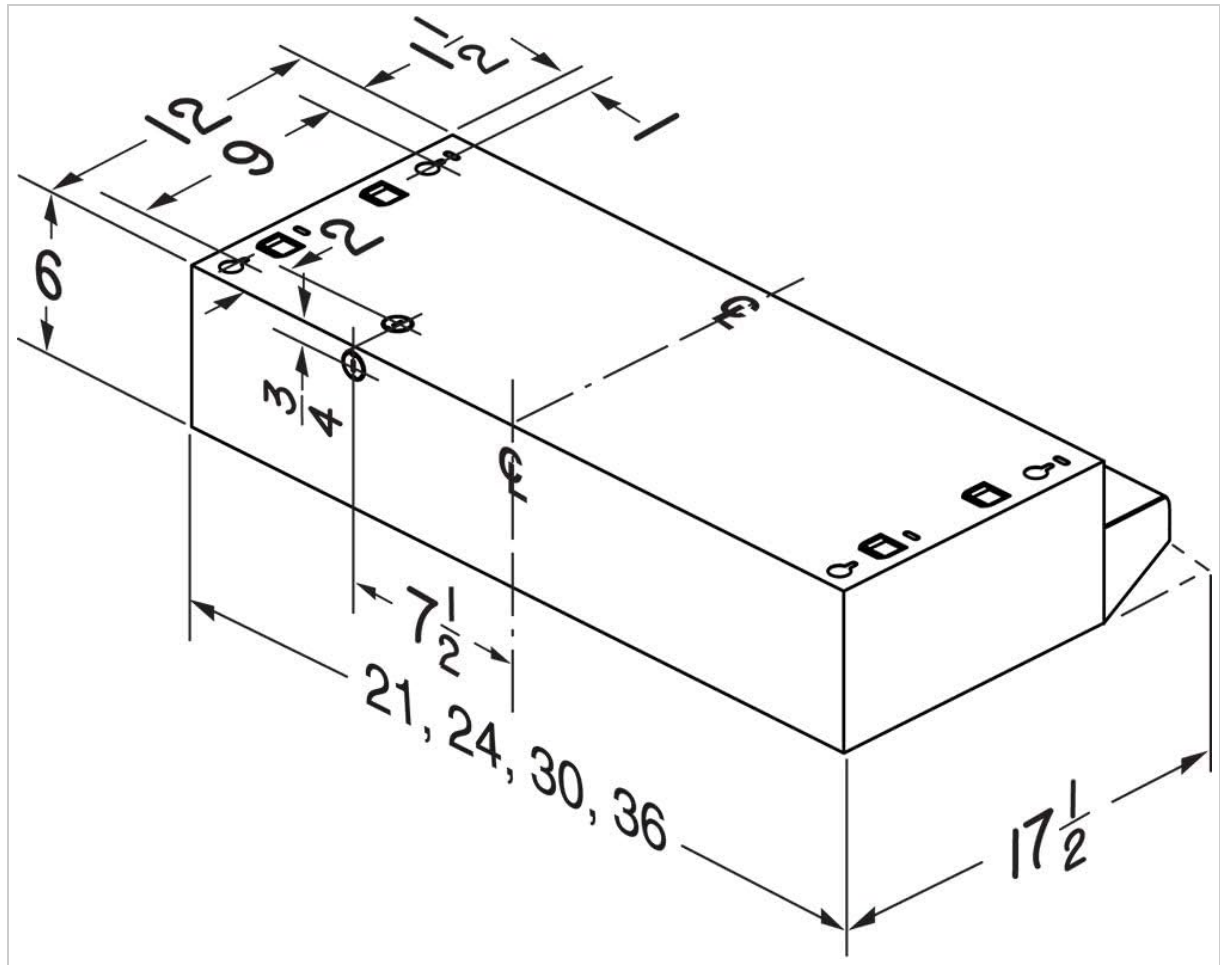


Figure 4: Internal view of the Broan-NuTone 413004 range hood, highlighting the removable charcoal filter and the fan mechanism, illustrating the components involved in air filtration.

TROUBLESHOOTING

If you encounter issues with your Broan-NuTone range hood, refer to the following common troubleshooting steps:

- **Fan Not Operating:** Check if the unit is properly plugged into a functional electrical outlet. Ensure the fan rocker switch is set to 'Low' or 'High'. Verify that the circuit breaker has not tripped.
- **Light Not Working:** Check if the light rocker switch is in the 'On' position. Inspect the light bulb to ensure it is securely screwed in and not burnt out. Replace the bulb if necessary (up to 75W incandescent or LED equivalent).
- **Poor Airflow/Odor Removal:** Ensure the charcoal filter is clean and properly installed. A clogged filter can significantly reduce performance. Replace the filter if it is old or heavily soiled.
- **Excessive Noise:** Check for any loose parts or obstructions in the fan assembly. Ensure the unit is securely mounted to the cabinet.

SPECIFICATIONS

Feature	Specification
Model Number	413004
Brand	Broan-NuTone
Product Dimensions	17.5"D x 30"W x 6"H
Color	Stainless Steel
Material	Stainless Steel
Mounting Type	Under Cabinet Mount
Ventilation Type	Recirculation (Non-Ducted)
Air Flow Capacity	100 Cubic Feet Per Minute (CFM)
Noise Level	1 Sones
Number of Speeds	2
Controls Type	Rocker Switch
Light Source Type	Incandescent (75W max, bulb not included)
Filter Type	Charcoal
Voltage	120 Volts
Amperage	2 Amps
Item Weight	10 Pounds
Minimum Height Above Cooktop	18 inches
ADA Compliant	Yes

Light Bulbs Included	No
Lighting Function	One-level
Lighting Type	Incandescent
Minimum Height Above Cook Top	18"
Mounting Type	Under Cabinet
Nightlight	No
Non-Stick Coated	No
Product Depth (inches)	17-1/2"
Product Height (inches)	6"
Product Width (inches)	30"
Rated Amps	2.0
Rated Voltage	120
Remote Control	No
Sones Certified Horizontal Rectangular High	N/A
Sones Certified Horizontal Rectangular Low	N/A
Sones Certified Vertical Rectangular High	N/A
Sones Certified Vertical Rectangular Low	N/A
Sones Certified Vertical Round High	N/A
Sones Certified Vertical Round Low	N/A
Switch Control Settings	2
Switch Style	Rocker
Timer	No
UL Listed	Yes

Figure 5: A comprehensive table detailing various specifications of the Broan-NuTone 413004 range hood, including dimensions, electrical requirements, and features.

WARRANTY AND SUPPORT

The Broan-NuTone 413004 Non-Ducted Under Cabinet Range Hood comes with a **1-year limited warranty** from the manufacturer. For warranty claims, technical support, or any product-related inquiries, please refer to the contact information provided in your product packaging or visit the official Broan-NuTone website.