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Broan-NuTone AVSF136SS

NuTone® Mantra 36-Inch Stainless Steel Range Hood User Manual

Model: AVSF136SS

1. Introduction

Thank you for choosing the NuTone® Mantra 36-Inch Stainless Steel Range Hood. This manual provides detailed instructions for the safe and efficient installation, operation, and maintenance of your new range hood. Please read this manual thoroughly before installation and use, and keep it for future reference.
The Mantra range hood is designed to enhance your kitchen environment by effectively removing smoke, odors, and airborne grease, ensuring a cleaner and more comfortable cooking experience.

2. Important Safety Information

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

- Read all instructions before installing or operating this appliance.
- Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction.
- 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.
- This unit is ADA compliant.

Electrical Safety

- Always disconnect power from the service panel before servicing.
- Ensure the power supply is 120 Volts, 60 Hz.
- The range hood can be hardwired or used with an optional power cord kit (SHCK44; sold separately).

3. Package Contents

Carefully unpack your range hood and check that all components are present and undamaged.

- NuTone® Mantra Range Hood Unit
- 2 x Dishwasher-safe Open Mesh Filters
- EZ1 System (for easy installation)
- Installation Hardware (screws, anchors, etc. - typically included with EZ1 system)
- User Manual (this document)



Figure 3.1: NuTone Mantra 36-Inch Stainless Steel Range Hood. This image shows the front-bottom view of the range hood, highlighting its stainless steel finish, two mesh filters, and control knobs.

4. Setup and Installation

The NuTone® Mantra range hood is designed for easy installation, even by a single person, thanks to the included EZ1 system. It can be installed as either a venting (ducted) or non-venting (ductless recirculation) unit.

4.1 Installation Type

- **Venting (Ducted) Installation:** For optimal performance, exhaust air directly to the outdoors through a 7-inch round duct. The hood supports both horizontal and vertical ducting.
- **Non-Venting (Ductless Recirculation) Installation:** If external venting is not possible, the hood can be configured for recirculation. A ductless filter kit (not included) is required for this setup to filter and recirculate air back into the kitchen.

4.2 Mounting

This is an under-cabinet mount range hood. Ensure adequate clearance above the cooking surface as per local building codes and manufacturer recommendations.

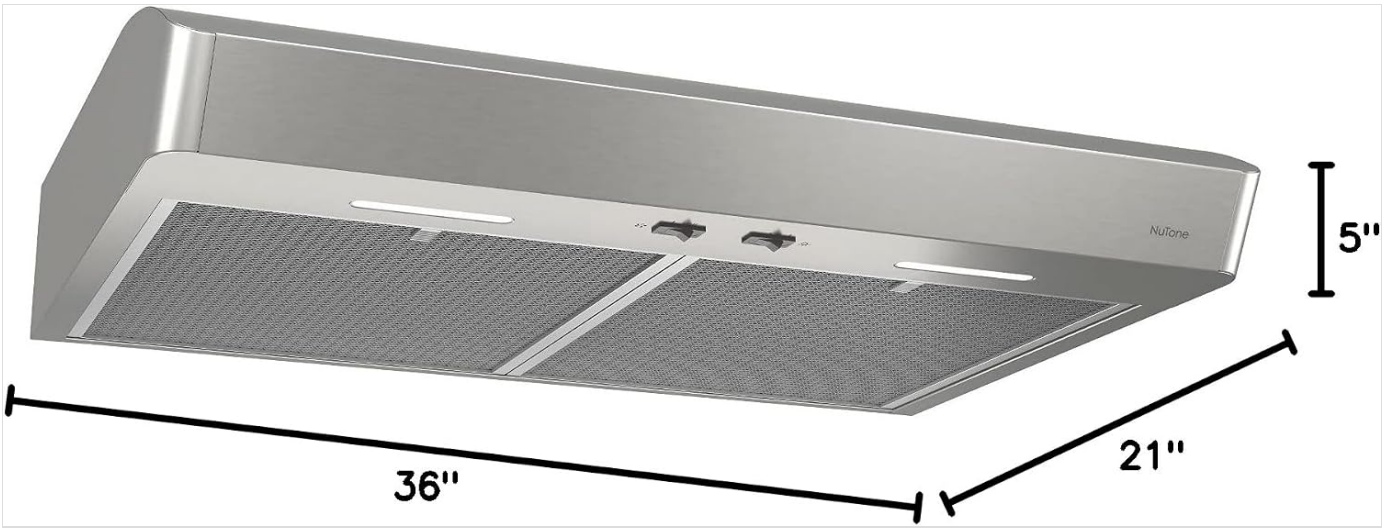


Figure 4.1: NuTone Mantra Range Hood Dimensions. This image illustrates the key dimensions of the range hood: 36 inches wide, 21 inches deep, and 5 inches high.

4.3 Electrical Connection

The unit requires a 120V, 60Hz electrical supply. It can be hardwired directly or connected using an optional power cord kit (SHCK44, sold separately). Consult a qualified electrician for wiring if you are unsure.

5. Operating Instructions

The NuTone® Mantra range hood features user-friendly controls for fan speed and lighting.

5.1 Fan Operation

- The hood is equipped with two fan speeds.
- Locate the hidden rocker switches on the front underside of the hood.
- Toggle the switch to select your desired fan speed (Low or High) to effectively remove smoke and odors. The maximum airflow capacity is 375 CFM.
- For best results, turn on the fan a few minutes before cooking and leave it on for a few minutes after cooking to clear the air.

5.2 Lighting Control

- The range hood features integrated LED lighting to illuminate your cooking surface.
- Use the dedicated rocker switch to turn the light ON or OFF.
- The LED lights provide crisp, even light and have a long lifespan.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your range hood.

6.1 Cleaning the Grease Filters

- The two open mesh filters are dishwasher-safe for easy cleaning.
- To remove filters: Push the spring release handle towards the back of the hood and pull the filter down.
- Clean filters regularly (monthly or more frequently depending on cooking habits) to maintain optimal grease capture efficiency.
- After cleaning, ensure filters are completely dry before re-installing.
- To re-install filters: Align the filter with the slots and push the spring release handle to secure it in place.

6.2 Cleaning the Exterior

- Clean the stainless steel exterior with a soft cloth and a non-abrasive stainless steel cleaner.
- Always wipe in the direction of the grain to prevent scratching.
- Do not use abrasive pads or harsh chemicals.

6.3 LED Light Replacement

The range hood uses integrated LED modules. These are designed for long life and typically do not require replacement. If an LED module fails, contact customer support for assistance. Do not attempt to replace it yourself.

7. Troubleshooting

Before contacting customer service, please refer to the following troubleshooting guide.

Problem	Possible Cause	Solution
Fan does not operate.	No power supply. Fan switch is OFF.	Check circuit breaker or fuse. Ensure hood is properly plugged in or hardwired. Turn fan switch ON.
Light does not operate.	No power supply. Light switch is OFF. LED module failure.	Check circuit breaker or fuse. Turn light switch ON. Contact customer support if LED module is faulty.
Poor suction.	Grease filters are dirty. Ducting is obstructed or too long/restrictive. Incorrect installation type (e.g., ductless without filter).	Clean grease filters. Check ductwork for blockages or kinks. Ensure proper duct size. Install ductless filter kit if operating in recirculation mode.
Excessive noise.	Grease filters are dirty. Loose parts. Improper ducting.	Clean grease filters. Check for loose screws or components. Verify ducting is properly sealed and sized.

8. Specifications

Key technical specifications for the NuTone® Mantra 36-Inch Range Hood (Model AVSF136SS).

Feature	Specification
Model Number	AVSF136SS
Dimensions (D x W x H)	21" x 36" x 5"
Material	Stainless Steel
Air Flow Capacity	375 Cubic Feet Per Minute (CFM) MAX Blower
Sound Level	1.5 Sones
Voltage	120 Volts
Rated Amps	0.65 Amps
Number of Speeds	2
Lighting Type	Integrated LED Module
Light Bulb Wattage	4.5 Watts
Light Color Temperature	3000K
Filter Type	Open Mesh (Dishwasher-safe)
Mounting Type	Under Cabinet Mount, Built-In Mount
Vent Type	Convertible (Ducted/Ductless)
Duct Diameter	7" Round
Capture Efficiency	98.1% (smoke and odor removal)

Feature	Specification
Certifications	UL Listed, HVI Certified, ADA Compliant
Country of Origin	Mexico

9. Warranty and Support

9.1 Manufacturer's Warranty

The NuTone® Mantra Range Hood (Model AVSF136SS) comes with a **1-year limited manufacturer's warranty** on the unit. The integrated LED lighting system is covered by a separate **3-year warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

9.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Broan-NuTone customer support.

- Visit the official Broan-NuTone website for contact information and FAQs.
- Have your model number (AVSF136SS) and date of purchase ready when contacting support.

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Details

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