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QuietCool LSD-0804

QuietCool 8x4 Modern Design AC Grille (Model LSD-0804) Instruction Manual

Your guide to installing, operating, and maintaining your QuietCool Linear Slot Diffuser.

Introduction

The QuietCool 8x4 Modern Design AC Grille is a high-quality aluminum linear slot diffuser designed for efficient air distribution in heating and cooling systems. This grille is compatible with ceiling, wall, or floor installations and features a durable powder-coated finish. This manual provides essential information for proper installation, operation, and care of your new AC grille.



Image: Overview of QuietCool Linear Slot Diffusers.

Product Features

- **Two Slot Design:** Efficient airflow with a modern aesthetic.
- **Dimensions:** Face 9.75" x 5.75", Neck 7.75" x 3.75".
- **Durable Construction:** Made from 100% solid extruded aluminum for strength and corrosion resistance.
- **Scratch-Resistant Finish:** Electrostatic powder-coated finish resists scratches, fading, and dirt buildup.
- **Versatile Installation:** Suitable for ceiling, wall, or floor applications.
- **Adjustable Airflow:** Slots provide precise airflow control.

- **Wide Air Distribution:** 180-degree spread ensures even air distribution.
- **Quiet Operation:** Aerodynamic design minimizes noise.



Solid Aluminum Construction



Durable Powder-Coated Finish



Flexible Installation



Adjustable Airflow



180-Degree Air Spread



Whisper-Quiet Operation

Installation

Follow these steps for proper installation of your QuietCool AC Grille. Ensure you have the correct size grille for your duct opening.

Measurement Tips

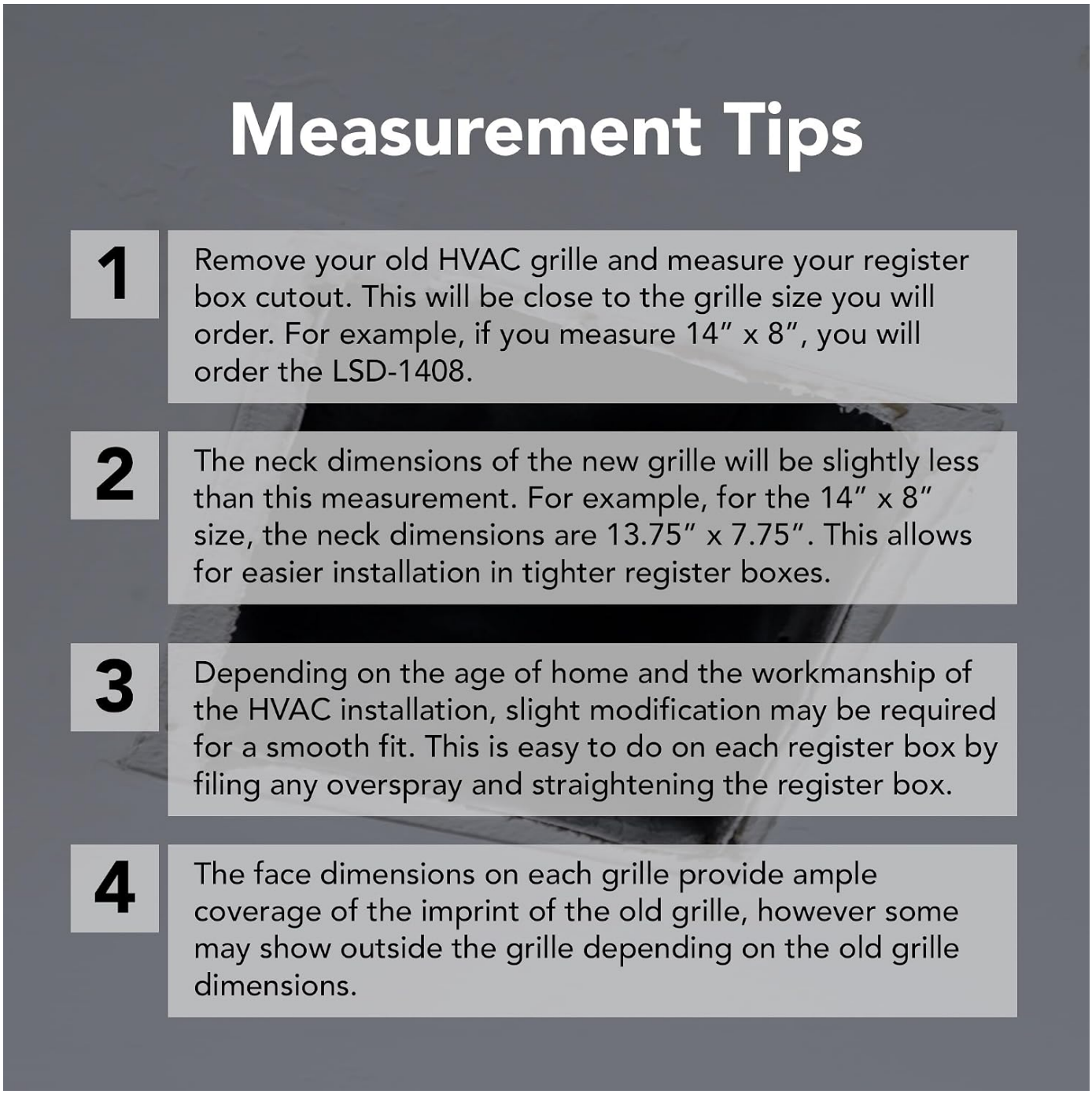


Image: Visual guide for measuring your existing HVAC grille opening.

1. **Measure the Duct Opening:** Remove your old HVAC grille and measure the register box cutout. This measurement determines the grille size you need to order. For example, if your opening measures 14" x 8", you would order the LSD-1408 model.
2. **Neck Dimensions:** The neck dimensions of the new grille will be slightly less than the measured opening. For example, for a 14" x 8" size, the neck dimensions are typically 13.75" x 7.75". This design allows for easier installation into tighter register boxes.
3. **Adjustments for Fit:** Depending on the age of your home and the workmanship of the HVAC installation, slight modification may be required for a smooth fit. This can involve filing any overspray or carefully straightening the register box.
4. **Face Dimensions:** The face dimensions on each grille provide ample coverage of the imprint left by the old grille. However, some old grille imprints may extend beyond the new grille's face dimensions.

Installation Steps

Refer to the video below for a visual guide on installing the linear slot diffuser.

Your browser does not support the video tag.

Video: Step-by-step guide on installing a QuietCool Linear Slot Diffuser.

1. **Prepare the Opening:** Ensure the duct opening is clean and free of debris. If necessary, make minor adjustments to the opening as per the measurement tips.
2. **Separate Components:** The grille typically comes in two main parts: the outer frame and the inner core with adjustable slots. Carefully separate these components.
3. **Install the Frame:** Position the outer frame into the duct opening. Secure it using appropriate fasteners (not included, typically screws) into the wall, ceiling, or floor structure. Ensure the frame is flush and level.
4. **Re-install the Core:** Once the frame is securely installed, re-insert the inner core into the frame. It should snap or slide into place.
5. **Final Check:** Verify that the grille is firmly in place and the adjustable slots move freely.

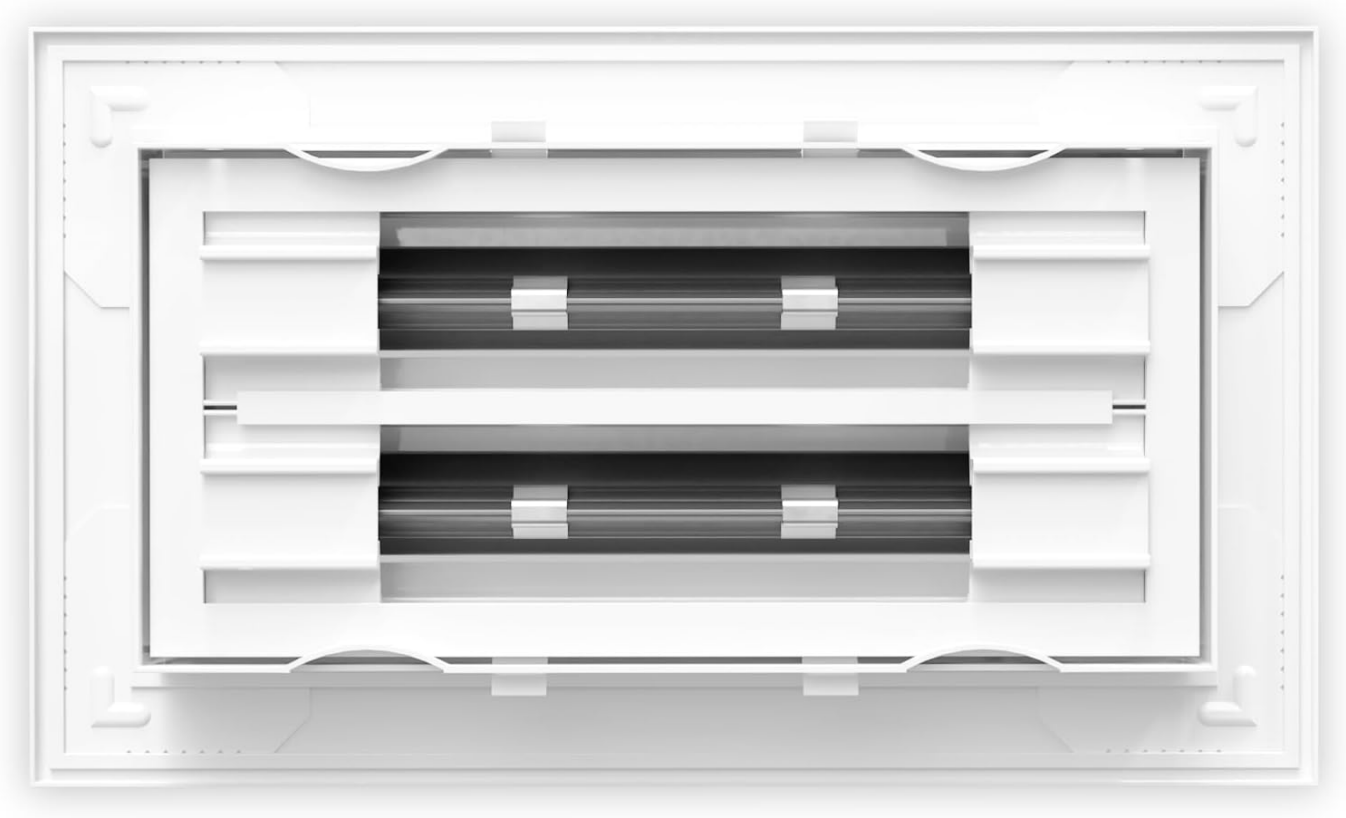


Image: Rear view of the grille, showing mounting features.



Image: Examples of grille installation in various locations.

Operation

The QuietCool Linear Slot Diffuser allows for manual adjustment of airflow direction and volume.

- **Airflow Control:** The grille features adjustable slots. To change the direction or volume of airflow, gently manipulate the internal vanes within the slots.
- **180-Degree Spread:** The design allows for a 180-degree spread of air, enabling you to direct air across a wide area for optimal comfort.
- **Quiet Operation:** The aerodynamic design ensures that air passes through the grille with minimal noise.

Your browser does not support the video tag.

Video: Overview of the QuietCool Linear Slot Diffuser's features and operation.

Maintenance

Maintaining your QuietCool AC Grille is simple and helps ensure its longevity and continued performance.

- **Cleaning:** The electrostatic powder-coated finish resists dirt buildup. To clean, simply wipe the grille with a soft, damp cloth. Avoid abrasive cleaners that could damage the finish.
- **Inspection:** Periodically inspect the grille for any signs of damage or obstruction. Ensure the adjustable slots move freely.



Image: Easy to clean surface.

Troubleshooting

If you encounter any issues with your QuietCool AC Grille, consider the following common solutions:

- **Grille Does Not Fit:**
  - Verify that you ordered the correct size by re-measuring your duct opening (not the old grille's face dimensions).
  - Check for any obstructions or unevenness in the duct opening. Minor filing or straightening of the register box may be required.
- **Restricted Airflow:**
  - Ensure the internal adjustable vanes are not obstructed and can move freely.
  - Check for any debris within the ductwork or on the grille itself.
- **Noise/Rattling:**
  - Ensure the grille frame is securely fastened and flush against the mounting surface.
  - Verify that the inner core is properly seated within the outer frame.

Specifications (Model LSD-0804)

Feature	Detail
Model Number	LSD-0804
Face Dimensions	9.75" x 5.75"
Neck Dimensions	7.75" x 3.75"
Material	100% Solid Extruded Aluminum
Finish	Electrostatic Powder-Coated White
Color	White
Item Weight	1.4 pounds
Package Dimensions	10.5 x 6.5 x 2.5 inches



Image: Front and angled views of the QuietCool LSD-0804 grille.

Warranty and Support

This QuietCool AC Grille comes with a Voluntary 30-Day Return Guarantee. For specific warranty details or further assistance, please refer to the official QuietCool website or contact their customer support.

Manufacturer: QuietCool

For additional support, visit the QuietCool Store on Amazon.

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