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VELLEE AirBlow T4

VELLEE AirBlow T4 Quiet Register Booster Fan (4" x 10") Instruction Manual

Model: AirBlow T4

1. INTRODUCTION

The VELLEE AirBlow T4 Quiet Register Booster Fan is designed to enhance the airflow from your existing HVAC system through wall and floor registers. This smart fan system helps to balance indoor temperatures, ensuring improved comfort throughout your home year-round. It features a 10-speed control, remote operation, and thermostat control for efficient heating and cooling.

2. PRODUCT OVERVIEW & KEY FEATURES

- **Optimal Airflow Solution:** Improves wall and floor register airflow from HVAC systems, contributing to balanced indoor temperatures and energy efficiency.
- **Smart Operation:** Equipped with a high-sensitivity temperature sensor and a custom-designed smart chip, the fan automatically starts and stops based on your settings, eliminating the need for frequent adjustments or a mobile application.
- **Quiet Performance:** Features a high-static-pressure PWM motor, upgraded by an experienced team, delivering up to 120 CFM airflow with a low noise level of 18 dBA for a peaceful environment. Fan speed is adjustable across 10 levels.
- **Easy Installation:** Designed for effortless self-installation without professional assistance.
- **Convenient Control:** Includes a minimalist remote control for easy operation, avoiding confusion with panel buttons.
- **Durable & Reliable:** VELLEE maintains a standardized quality control system, aiming for long-term product reliability.
- **Important Size Note:** The 4" x 10" size refers to the duct opening cutout, not the existing vent cover. Always measure your duct opening before purchase.
- **Usage Scenarios:** Complements your home's HVAC system. For best results, ensure ducts are properly sealed and insulated.

3. SAFETY INFORMATION

- Ensure the power outlet is easily accessible and properly grounded.
- Do not operate the fan with a damaged cord or plug.

- Keep fingers and foreign objects away from the fan blades during operation.
- Do not immerse the unit in water or expose it to excessive moisture.
- Unplug the unit before cleaning or performing any maintenance.
- This product is for indoor use only.

4. PACKAGE CONTENTS

- 1x VELLEEE Register Booster Fan
- 1x Remote Control
- 1x Wall Adapter (with 12 ft cord)
- Installation Sets (screws, anchors)

5. INSTALLATION

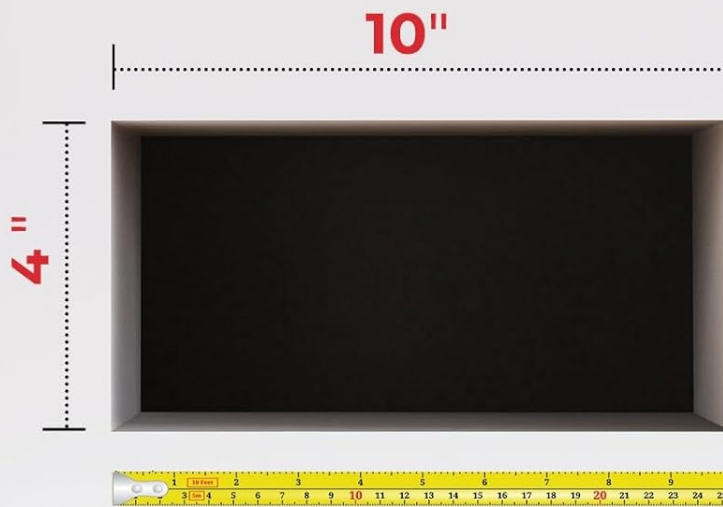
Proper installation is crucial for optimal performance. Follow these steps carefully:

1. **Measure Your Duct Opening:** Before purchasing or installing, remove your existing vent cover and accurately measure the length and width of the duct opening. The VELLEEE AirBlow T4 is designed for 4" x 10" duct openings.
2. **Remove Existing Vent:** Carefully remove your current register vent cover.
3. **Insert Booster Fan:** Place the VELLEEE AirBlow T4 booster fan into the duct opening. Ensure it fits snugly.
4. **Secure the Fan:** Use the provided screws and anchors to secure the booster fan to the floor or wall around the duct opening.
5. **Connect Power:** Plug the fan's power cord into the wall adapter, then plug the adapter into a standard electrical outlet. The 12-foot cord provides flexibility for placement.

Please Measure for Fit: 4 x 10" Register Holes

Check vent opening, not cover. **Wrong size = fail to install**

Measure before you buy



Please note that duct opening cutout sizes may vary and should be measured individually.

Figure 1: Always measure your duct opening (cutout) to ensure proper fit.

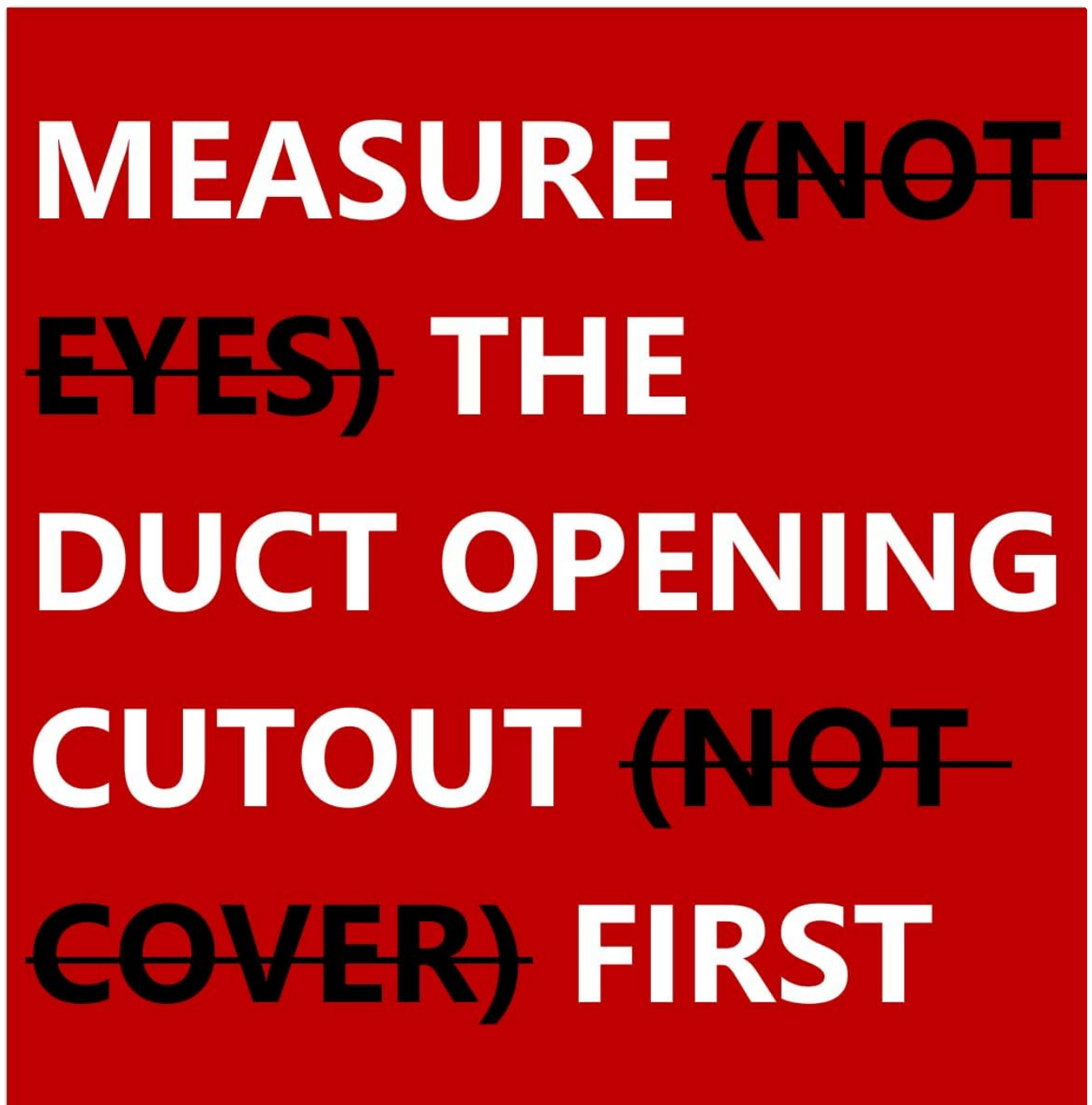


Figure 2: The VELLE AirBlow T4 installed in a floor register with its remote control.

6. SETUP

Once installed and powered on, the fan is ready for initial setup. The fan features an intuitive interface on the unit itself and a remote control for convenience.

Initial Power-On

Upon plugging in the unit, the display will illuminate, showing the current temperature and default settings. You can immediately begin adjusting settings using the on-unit buttons or the remote control.

Remote Control Setup

The remote control is pre-paired with the unit. Insert two AAA batteries (not included) into the remote control. You can use the remote to control all functions of the booster fan from a distance.

Video: A detailed overview of the VELLE Quiet Register Booster Fan, including unboxing, setup, and demonstration of features.

7. OPERATING INSTRUCTIONS

The VELLE AirBlow T4 offers various modes and settings to customize your comfort.

Power On/Off

- Press the power button () on the unit or remote to turn the fan on or off.

Mode Selection (Cooling/Heating/Fan)

- Use the mode button (often represented by a snowflake for cooling or a flame for heating on the remote, or a cycle icon on the unit) to switch between cooling, heating, or continuous fan modes.
- In cooling/heating modes, the fan will activate automatically based on the set temperature threshold.

Temperature Control

- Adjust the desired temperature using the '+' and '-' buttons on the unit or remote. The fan will automatically start or stop to maintain this temperature.
- The display shows the current temperature in Fahrenheit or Celsius (can be switched via remote).

Fan Speed Adjustment

- The fan offers 10 adjustable speed levels. Use the fan speed buttons (often represented by fan icons or up/down arrows) on the remote to increase or decrease the airflow intensity.
- Lower speeds result in quieter operation (as low as 18 dBA).

Sleep Mode

- Activate Sleep Mode via the remote control (moon icon). In this mode, the display light will turn off, and the fan speed will automatically adjust to a lower, quieter setting for undisturbed sleep.

Display Light Control

- The display light can be turned off or dimmed using the light button (light bulb icon) on the remote, useful for bedrooms or dark environments.

Lock Function

- The remote control features a lock function (padlock icon) to prevent accidental changes to settings. Long-press the lock button to activate/deactivate.

Set It and Forget It

Effortlessly set once for smart, automatic running.



Figure 3: Effortlessly set once for smart, automatic running.

Minimize the Noise

Allow you to enjoy a tranquil and restful night's sleep



Figure 4: The VELLE AirBlow T4 minimizes noise for a tranquil night's sleep.



Figure 5: Elevate your HVAC's airflow and enhance comfort.

8. MAINTENANCE

To ensure optimal performance and longevity of your VELLEE AirBlow T4 booster fan, regular maintenance is recommended.

- **Cleaning:** Periodically wipe the surface of the fan with a soft, dry cloth. For deeper cleaning, gently remove any dust or debris from the grilles and fan blades using a soft brush or vacuum cleaner attachment. Ensure the unit is unplugged before cleaning.
- **Avoid Liquids:** Do not use liquid cleaners or sprays directly on the fan.
- **Inspect Cords:** Regularly check the power cord for any signs of damage. If damaged, discontinue use and contact customer support.

9. TROUBLESHOOTING

If you encounter any issues with your VELLEEE AirBlow T4 booster fan, refer to the following common troubleshooting steps:

- **Fan Not Turning On:**

- Ensure the power cord is securely plugged into both the fan and a working electrical outlet.
- Check if the power button on the unit or remote has been pressed.

- **No Airflow/Weak Airflow:**

- Verify the fan speed setting is not at its lowest level. Increase the speed using the remote or unit buttons.
- Check for any obstructions in the duct or on the fan grilles.
- Ensure your HVAC system is actively running in heating or cooling mode if the fan is set to automatic temperature control.

- **Unusual Noise:**

- Reduce the fan speed to see if the noise decreases.
- Check for any loose debris or obstructions that might be interfering with the fan blades.

- **Remote Control Not Working:**

- Replace the batteries in the remote control.
- Ensure there are no obstructions between the remote and the fan unit.

If these steps do not resolve the issue, please contact VELLEEE customer support for further assistance.

10. SPECIFICATIONS

Feature	Specification
Brand	VELLEE
Model Name	AirBlow T4
Size (Duct Opening)	4" x 10"
Product Dimensions	1.96"D x 11.54"W x 5.51"H
Color	Vertical Grille - White
Power Source	Corded Electric
Voltage	12 Volts (DC)
Wattage	6 watts
Air Flow Capacity	120 Cubic Feet Per Minute (CFM)
Speed Levels	10 RPM (10 adjustable fan speeds)
Noise Level	18 Decibels (dBA)
Control Method	Remote
Special Feature	Programmable (Thermostat Control)
Installation Type	Self-installation

Item Weight	2.03 pounds (0.92 Kilograms)
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11. WARRANTY AND SUPPORT

VELLEE is committed to providing high-quality products and customer satisfaction. The brand aims for longevity and has established a standardized quality control system to ensure product reliability.

For any questions, concerns, or support needs regarding your VELLE AirBlow T4 Quiet Register Booster Fan, please do not hesitate to reach out to the VELLE customer support team. They are dedicated to assisting you with any inquiries.