VENTS-US TT Silent 125

VENTS-US TT Silent 125 Mixed Flow Ventilation Inline Duct Fan User Manual

Model: TT Silent 125

Introduction

This manual provides detailed instructions for the safe and efficient installation, operation, and maintenance of your VENTS-US TT Silent 125 Mixed Flow Ventilation Inline Duct Fan. Please read this manual thoroughly before installation and use, and retain it for future reference.
The VENTS-US TT Silent 125 is designed for high static pressure duct applications, offering efficient air movement with quiet operation. It features a double-speed capacity motor with thermal overload protection and a built-in two-speed toggle switch.

Safety Information

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

- Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction.
- Before servicing or cleaning the unit, switch power off at the service panel and lock the service disconnecting means to prevent power from being switched on accidentally.
- Do not use this fan with any solid-state speed control device other than the integrated two-speed switch or approved external controls.
- This unit is for indoor use only. Do not expose to water or excessive moisture.
- Ensure the power supply matches the fan's requirements (120V, 60Hz).
- Keep fingers and foreign objects away from the fan blades during operation.
- Do not operate any fan with a damaged cord or plug. Discard fan or return to an authorized service facility for examination and/or repair.

Product Overview and Features

The VENTS-US TT Silent 125 is a mixed-flow inline duct fan engineered for effective ventilation in various indoor environments. Its design prioritizes quiet operation and ease of maintenance.



Figure 1: Front view of the TT Silent 125 fan, highlighting the impeller.

Key features include:

- **Mixed Flow Impeller:** Hemispheric impeller with profiled blades ensures efficient airflow and quiet operation.
- **Quiet Operation:** Sound levels between 1.1 - 3.5 Sones for minimal noise disturbance.
- **Dual Speed Motor:** Equipped with a double-speed capacity motor and thermal overload protection.
- **Built-in Speed Control:** A two-speed toggle switch is integrated into the unit for easy speed selection (Low/Off/High).
- **Easy Installation & Maintenance:** Features a rotary and removable central body, simplifying installation and allowing for easy cleaning and servicing without dismantling the entire unit from the ductwork.
- **Integrated Mounting Bracket:** The fan case includes a mounting plate for secure attachment to walls or ceilings.
- **Applications:** Suitable for apartments, offices, libraries, school rooms, basements, and smoke rooms.



Figure 2: Overview of fan features and design elements.

Setup and Installation

The VENTS-US TT Silent 125 fan is designed for straightforward installation. Follow these steps for proper setup:

1. **Prepare Mounting Surface:** Identify a suitable flat surface (wall or ceiling) for mounting. Ensure the location allows for proper ducting and access to the power supply.
2. **Drill Mounting Plate:** The fan case is equipped with an integrated mounting bracket. Drill appropriate holes on your chosen surface corresponding to the mounting bracket.



Figure 3: Installation steps 1-4, demonstrating mounting and securing the fan body.

3. **Install Removable Body:** Once the mounting plate is secured, install the removable central body of the fan into the mounting plate.
4. **Lock and Secure:** Lock the removable body by engaging the clamps with latches. Secure these latches with screws to ensure a firm attachment.
5. **Attach Ducts:** Connect the appropriate 5-inch diameter ductwork to both inlet and outlet ports of the fan. Use clamps to secure the ducts tightly to prevent air leakage.



Figure 4: Installation steps 5-7, showing duct attachment, power connection, and speed selection.

6. **Connect Power:** Insert the power cord plug into a standard 120V, 60Hz electrical socket.
7. **Initial Operation:** Select the desired speed (Low or High) using the built-in toggle switch.

Note: *The rotary and removable central body design allows for easy maintenance and servicing without needing to fully dismantle the unit from the wall or ductwork.*

Operating Instructions

The VENTS-US TT Silent 125 fan features a simple two-speed control for operation.



Figure 5: Built-in two-speed toggle switch.

1. **Power On:** Ensure the fan is properly installed and connected to a power source.
2. **Select Speed:** Use the toggle switch located on the fan unit to select the desired operating speed:
    - Position "I": Low speed
    - Position "O": Off
    - Position "II": High speed
3. **Power Off:** To turn off the fan, set the toggle switch to the "O" position.

Maintenance

Regular maintenance ensures optimal performance and longevity of your VENTS-US TT Silent 125 fan. Always disconnect power before performing any maintenance.

- **Cleaning the Impeller and Casing:** Periodically inspect the impeller blades and the interior of the fan casing for dust and debris buildup. The removable central body design facilitates easy access for cleaning.
- **Cleaning Procedure:** Gently wipe the blades and interior surfaces with a soft, damp cloth. For stubborn dirt, a mild detergent can be used. Ensure all parts are dry before reassembling.
- **Ductwork Inspection:** Check connected ductwork for any blockages or damage that could impede airflow.

- **Motor Lubrication:** The motor is designed for maintenance-free operation and does not require lubrication.
- **Frequency:** Cleaning frequency depends on the operating environment. In dusty conditions, more frequent cleaning may be necessary.

Troubleshooting

If you encounter issues with your VENTS-US TT Silent 125 fan, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Fan does not turn on.	No power supply. Switch is in "Off" position. Thermal overload protection activated.	Check power outlet and circuit breaker. Ensure switch is set to "I" (Low) or "II" (High). Allow fan to cool down; it should reset automatically. If not, check for obstructions.
Reduced airflow.	Ductwork obstruction. Dirty impeller blades. Incorrect speed setting.	Inspect and clear ductwork. Clean impeller blades as per maintenance section. Ensure fan is set to "High" speed if maximum airflow is desired.
Excessive noise or vibration.	Loose mounting. Debris on impeller. Damaged impeller.	Ensure fan is securely mounted and latches are tightened. Clean impeller blades. If impeller is damaged, contact customer support for replacement or service.

Specifications

Technical specifications for the VENTS-US TT Silent 125 Mixed Flow Ventilation Inline Duct Fan:

Model Name: TT Silent 125

Brand: VENTS-US

Air Flow Capacity: 200 Cubic Feet Per Minute (CFM)

Wattage: 37 watts

Noise Level: 1.1 - 3.5 Sones (2.5 Sones typical)

Number of Speeds: 2 (Low, High)

Voltage: 120V

Frequency: 60Hz

Material: Plastic

Color: White

Product Dimensions: 10.19 x 7.69 x 8.94 inches

Item Weight: 5.79 pounds

Indoor/Outdoor Usage: Indoor

Included Components: Cord

Installation Type: Duct mounted

Certification: ETL

Control Method: App (Note: Primary control is via the built-in toggle switch)

Warranty and Support

For warranty information, please refer to the documentation provided at the time of purchase or contact VENTS-US customer support directly. Warranty terms typically cover manufacturing defects for a specified period.
If you require technical assistance, have questions about installation, or need to report a defect, please contact VENTS-US customer support through their official website or the retailer from whom the product was purchased.
Contact Information: Please visit the official VENTS-US website for the most current support contact details.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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