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## Vortex VTX800S

# Vortex S-Line S-800 8-inch 711 CFM Inline Duct Fan User Manual

Model: VTX800S

## 1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation, installation, and maintenance of your Vortex S-Line S-800 8-inch Inline Duct Fan. The S-Line series is designed for energy efficiency and quiet operation, featuring an AC Brushless Motor and mixed-flow dual impellers. Its construction includes double insulated walls for noise reduction and a high-impact resistant polycarbonate casing. Please read this manual thoroughly before use and retain it for future reference.

## 2. SAFETY INFORMATION

Always follow basic safety precautions to reduce the risk of fire, electric shock, and injury to persons.

- **Read all instructions:** Before installing or operating the fan.
- **Electrical Safety:** Ensure the power source matches the fan's voltage (120 Volts). Always disconnect power before servicing or cleaning.
- **Installation:** Install the fan according to local electrical and building codes. Ensure proper grounding.
- **Moving Parts:** Keep fingers and foreign objects away from moving parts.
- **Environment:** Do not use the fan in environments with explosive or flammable gases. This fan is designed for indoor use.
- **Maintenance:** Only qualified personnel should perform repairs. Use only genuine replacement parts.

## 3. PACKAGE CONTENTS

Verify that all components are present in the package:

- Vortex S-Line S-800 Inline Duct Fan (1 unit)
- Mounting Bracket (pre-installed or separate)

- Integrated Backdraft Damper
- User Manual (this document)

## 4. SETUP AND INSTALLATION

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The Vortex S-Line S-800 fan is designed for easy installation. Follow these steps for proper setup:

1. **Choose Location:** Select a suitable indoor location for mounting the fan. Ensure adequate space for ducting and maintenance. The fan can be wall-mounted.
2. **Mounting:**  
The fan comes with an integrated mounting bracket. Secure the bracket to a sturdy surface using appropriate fasteners (not included). Ensure the fan is level and securely attached.



*Image 1: Vortex S-Line S-800 In-line Duct Fan. This image shows the fan's overall structure, including the red impeller blades visible through the clear intake, and the black casing with a white mounting base. The integrated mounting bracket is visible at the top.*

3. **Duct Connection:**  
Connect 8-inch diameter ducting to both the intake and exhaust ports of the fan. The fan features a rubber gasket for an air-tight duct connection. Use duct clamps or tape to secure the connections, ensuring no air leaks.



*Image 2: Close-up view of the Vortex S-Line S-800 fan's intake. The red mixed-flow dual impeller blades are clearly visible, designed for efficient airflow. The clear housing around the impeller highlights the fan's internal design.*

#### 4. **Electrical Connection:**

Plug the fan into a standard North American 3-prong outlet (NEMA 5-15P). Ensure the outlet is properly grounded and rated for 120 Volts. Do not use extension cords unless absolutely necessary and ensure they are rated for the fan's wattage (232 Watts).

## 5. OPERATING INSTRUCTIONS

The Vortex S-Line S-800 fan is designed for straightforward operation.

1. **Power On:** Once installed and connected to power, the fan can be turned on using its integrated button control.
2. **Airflow Direction:** The fan is designed to move air in one direction. Ensure the fan is oriented correctly for your ventilation needs. The integrated backdraft damper prevents air from flowing back when the fan is off.
3. **Speed Control (Optional):** This model operates at a single speed (711 RPM). For variable speed control, an external compatible speed controller (sold separately) may be required. Refer to the speed controller's manual for installation and operation.
4. **Power Off:** Press the button control to turn off the fan.

## 6. MAINTENANCE

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Regular maintenance ensures optimal performance and extends the lifespan of your fan.

- **Cleaning:**

Disconnect the fan from power before cleaning. Periodically inspect the impeller blades and housing for dust and debris accumulation. Use a soft cloth or brush to gently clean the surfaces. Do not use harsh chemicals or abrasive cleaners.

- **Inspection:**

Check duct connections regularly for leaks. Ensure the mounting bracket remains secure. Inspect the power cord for any signs of damage.

- **Motor:**

The AC Brushless Motor is designed for long-term, maintenance-free operation. No lubrication is required.

## 7. TROUBLESHOOTING

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If you encounter issues with your Vortex S-Line S-800 fan, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Fan does not turn on.	No power supply. Faulty power cord/outlet.	Check if the fan is properly plugged in. Test the outlet with another device. Inspect the power cord for damage.
Reduced airflow.	Blocked ducts. Dirty impeller blades. Air leaks in ducting.	Inspect and clear any obstructions in the ductwork. Clean the impeller blades (refer to Maintenance section). Seal any leaks in the duct connections.
Excessive noise or vibration.	Loose mounting. Debris in impeller. Damaged impeller.	Ensure the fan is securely mounted. Disconnect power and inspect/clean impeller for debris. If impeller is damaged, contact support.
Backdraft occurs when fan is off.	Backdraft damper obstructed or damaged.	Inspect the integrated backdraft damper for obstructions or damage. Clear any debris.

If the problem persists after attempting these solutions, please contact Vortex customer support.

## 8. SPECIFICATIONS

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Feature	Detail
Model Number	VTX800S
Brand	Vortex
Product Dimensions (D x W x H)	12.4" x 18.6" x 12"
Item Weight	14 Pounds
Air Flow Capacity	711 Cubic Feet Per Minute (CFM)
Speed	711 RPM
Noise Level	45 Decibels
Voltage	120 Volts
Wattage	232 Watts
Material	Polycarbonate (Casing), Plastic (Blades)
Electric Fan Design	Exhaust Fan
Special Features	Double Insulated Walls, Rubber Gasket, Integrated Backdraft Damper, High Impact Resistant Casing
Connector Type	Standard North American 3-prong plug (NEMA 5-15P)
Indoor/Outdoor Usage	Indoor

## 9. WARRANTY AND SUPPORT

**Warranty:** The Vortex S-Line S-800 fan comes with a **10-year manufacturer performance warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

**Customer Support:** For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Vortex customer support. Refer to the official Vortex website for current contact information.

