

VENTS-US VK 125 PS

VENTS-US VK 125 PS Dryer Booster Fan Instruction Manual

Model: VK 125 PS

1. INTRODUCTION

The VENTS-US VK 125 PS Dryer Booster Fan is designed to enhance the efficiency of your dryer's exhaust system, particularly for longer duct runs. It features a pressure sensor that automatically detects airflow from your dryer, activating the fan to assist in expelling moist air. This process significantly reduces drying times, improves energy efficiency, and helps prevent lint buildup and moisture-related issues in your ductwork.

2. SAFETY INFORMATION

Please read all safety instructions carefully before installation and operation. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Always disconnect power to the unit before performing any installation, maintenance, or cleaning.
- Installation should be performed by a qualified electrician in accordance with all local and national electrical codes.
- Ensure the unit is properly grounded to prevent electrical shock.
- Do not operate the fan with damaged wiring or if the housing is compromised.
- Keep hands and foreign objects away from the fan blades during operation.
- Ensure adequate ventilation in the installation area.
- The fan is designed for indoor use only.

3. PRODUCT OVERVIEW

3.1 Key Features

- Increases the efficiency of your duct run, preventing wet, damp clothes after a drying cycle.
- Pressure switch automatically senses input from your dryer.
- Easy to install with pre-attached mounting brackets.
- High air flow capacity: 235 CFM under 0" static pressure; 214 CFM under 0.2" static pressure.
- Contributes to a more energy-efficient household.

3.2 Components

The VENTS-US VK 125 PS Dryer Booster Fan includes the main fan unit, integrated mounting brackets, a pressure switch with a silicone tube, and a power cord.



Figure 1: Side view of the VK 125 PS Dryer Booster Fan, showing the main unit and the attached pressure switch.



Figure 2: Close-up view of the pressure switch mechanism, which detects airflow from the dryer.



Figure 3: Rear view of the fan, illustrating the power cord connection and mounting bracket attachment points.

4. SETUP & INSTALLATION

Proper installation is crucial for the optimal performance and longevity of your dryer booster fan. Refer to the following steps and accompanying videos for guidance.

4.1 Installation Steps

1. **Unpack the Unit:** Carefully remove the fan and all accessories from the packaging. Inspect for any damage.
2. **Select Mounting Location:** Choose a suitable location for the fan along your dryer's exhaust duct. The fan should be installed in an accessible area for maintenance and positioned to effectively boost airflow. Ensure the pressure switch is mounted vertically.
3. **Mark Fastening Holes:** Hold the fan unit against the wall or mounting surface at the desired location. Use a pencil to mark the positions for drilling through the mounting brackets.
4. **Drill Fastening Holes:** Drill pilot holes at the marked locations. If mounting into drywall, insert appropriate wall anchors.
5. **Mount the Fan:** Securely attach the fan unit to the mounting surface using screws through the brackets. Ensure the fan is stable and level.

6. **Connect Air Ducts:** Connect the dryer exhaust ducting to both the inlet and outlet of the booster fan. Use appropriate clamps or tape to ensure airtight connections.
7. **Connect Power:** Plug the fan's power cord into a standard 120V AC outlet.

4.2 Installation Videos

How To Install Your VK PS Dryer Booster Fan

Your browser does not support the video tag.

This video provides a step-by-step guide on how to install the VENTS-US VK PS Dryer Booster Fan, covering marking, drilling, mounting, and duct connections.

VK 100 PS Installation Guide

Your browser does not support the video tag.

A detailed installation guide for the VK 100 PS model, which shares similar installation procedures with the VK 125 PS.

5. OPERATING INSTRUCTIONS

The VENTS-US VK 125 PS Dryer Booster Fan operates automatically. Once installed and powered, the integrated pressure sensor monitors the airflow from your dryer. When the dryer starts and airflow is detected, the booster fan will automatically activate to assist in exhausting air. When the dryer stops and airflow ceases, the booster fan will turn off after a short delay.

6. MAINTENANCE

Regular maintenance ensures efficient operation and extends the lifespan of your dryer booster fan.

6.1 Lint Trap Cleaning

If a dryer lint trap is installed in your system (recommended), clean it regularly to prevent blockages and maintain optimal airflow. The frequency of cleaning depends on dryer usage.

- Disconnect power to the fan and dryer.
- Access the lint trap (refer to your lint trap's specific instructions).
- Remove accumulated lint.
- Reinstall the lint trap and restore power.

6.2 Fan Unit Cleaning

Periodically inspect the fan blades and housing for lint or debris buildup. If necessary, disconnect power and carefully clean the fan blades and interior surfaces with a soft brush or vacuum cleaner. Do not use water or liquid cleaners directly on electrical components.

7. TROUBLESHOOTING

If you encounter issues with your VENTS-US VK 125 PS Dryer Booster Fan, refer to the following common problems and solutions.

7.1 Pressure Switch Adjustment

A common issue is the pressure switch being too sensitive or not sensitive enough, leading to the fan not activating or running continuously. The pressure switch can be adjusted.

1. **Disconnect Power:** Ensure the fan unit is unplugged from the power source.
2. **Access Pressure Switch:** Unscrew the screws holding the pressure switch to the fan unit and carefully turn the switch around so the adjustment screw is facing you.
3. **Adjust Sensitivity:** Use a small flathead screwdriver to turn the adjustment screw.
 - To **decrease sensitivity** (fan runs continuously even after dryer turns off), turn the screw approximately half a turn towards 'H' (High).
 - To **increase sensitivity** (fan does not run when dryer is on), turn the screw approximately half a turn towards 'L' (Low).
4. **Reattach and Test:** Reattach the silicone tube, mount the pressure switch back onto the unit, and restore power. Test the fan's operation with your dryer. Repeat adjustment if necessary.

How To Adjust Pressure Switch on Vents-US Products

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This video demonstrates the process of adjusting the pressure switch sensitivity on VENTS-US PS series units.

7.2 Other Issues

- **Fan Not Starting:** Check power connection, ensure dryer is running and producing sufficient airflow, and verify pressure switch adjustment.
- **Excessive Noise/Vibration:** Ensure the fan is securely mounted and that duct connections are tight. Check for any foreign objects inside the fan or ductwork.
- **Reduced Airflow:** Inspect ductwork for kinks, blockages, or excessive lint buildup. Clean the lint trap if applicable.

8. SPECIFICATIONS

Specification	Value
Brand	VENTS
Model Name	VK 125 PS
Color	White
Electric Fan Design	Exhaust Fan
Power Source	AC
Product Dimensions	8.69"D x 13.38"W x 9.81"H
Room Type	Laundry Room
Special Feature	Easy to Install, Quiet
Recommended Uses	Drying, Exhausting, Ventilating
Noise Level	7.1 Sones
Wattage	114 watts
Air Flow Capacity	235 Cubic Feet Per Minute
Voltage	120 Volts
Indoor/Outdoor Usage	Indoor
Installation Type	Wall-Mounted
Item Weight	8.33 pounds
Temperature Range	up to 149 °F Degrees Fahrenheit

DIMENSIONS

Model	Measurements [in.]								lbs
	ØD	ØD1	B	B1	L	L1	L2	L3	
VK PS 100	3 15/16"	9 13/16"	10 5/8"	13 3/8"	9 1/16"	1 3/16"	1 1/16"	1 3/16"	4.7
VK PS 125	4 15/16"	9 13/16"	10 5/8"	13 3/8"	8 11/16"	1 3/16"	1 1/16"	1 3/16"	4.9
VK PS 150	5 7/8"	11 13/16"	12 3/16"	13 3/8"	11 1/4"	1 3/16"	1 3/16"	1 3/16"	5.7
VK PS 200	7 7/8"	13 3/8"	13 3/4"	16 3/4"	10 7/8"	1 3/16"	1 3/16"	1 9/16"	9.5
VK PS 250	9 13/16"	13 3/8"	13 3/4"	16 3/4"	10 3/8"	1 3/16"	1 3/16"	1 9/16"	9.5
VK PS 315	12 3/8"	15 3/4"	16 5/16"	19 5/16"	10 15/16"	1 1/2"	2 3/16"	1 9/16"	10.8

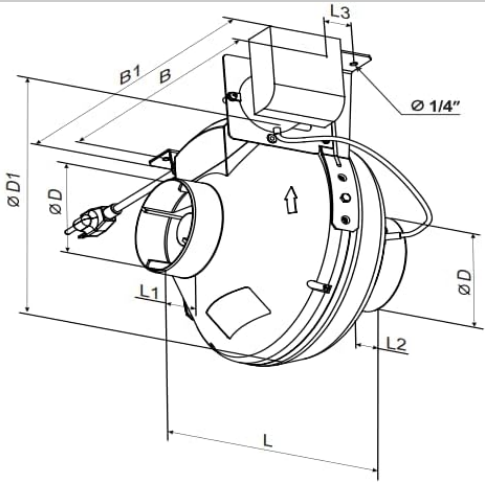


Figure 4: Dimensional drawing and measurements for various VK PS models, including VK 125 PS.

9. WARRANTY AND SUPPORT

For warranty information, technical support, or any further questions regarding your VENTS-US VK 125 PS Dryer Booster Fan, please contact VENTS-US directly through their official website or customer service channels. Keep your purchase receipt for warranty claims.

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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.

Submit question