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PV-100xps

Clothes Dryer Exhaust Booster Fan with Integrated Pressure Sensor Switch



This Premium Dryer Booster Fan Includes the Following:

1. PV-100x Duct Boosting Fan (142 CFM)
2. Integrated Air Pressure Sensing Switch with electronic cycle timing board
3. Fan Mounting Bracket

Pressure Switches

Pressure sensors are the most common method of clothes dryer exhaust duct power ventilator (booster fan) activation and are a good solution for many installations. The pressure sensor recognizes the positive pressure that is generated within the exhaust duct by an active clothes dryer and the solid state timer energizes the power ventilator. The timer cycles the ventilator in 5 minute intervals until the pressure sensor recognizes that the clothes dryer is no longer in operation. The system will then remain idle until another clothes dryer cycle is initiated.

Installation Notes:

It is recommended that the booster fan is mounted in the ductwork not less than 15 feet from the exhaust outlet of the dryer. Installation of the fan closer than the recommended 15 feet may allow enough pressure to lift wet lint into the fan impeller. This can result in excessive lint loading in the fan and drastically affect performance and can restrict the performance of the system. The best location for the fan to be mounted is as close as possible to the desired 15 feet from the dryer's exhaust outlet. (Exception: If a secondary lint filter is installed between the dryer and the booster fan, the booster fan may be mounted within the minimum distance otherwise recommended. The supplied mounting bracket attached to a rafter or joist should be used to stabilize the fan. (Consult local codes prior to supporting the fan in the duct alone if rafter or joist is not available to secure the fan.) Duct work should be attached to the inlet and outlet of the fan by means of FC vibration isolation clamps (not included) or duct tape. The duct connection should be properly sealed to prevent leakage and loss of fan performance. It is recommended to maximize performance that rigid duct is utilized. If flexible duct connections between the dryer duct connection and exhaust duct are utilized, the duct should be stretched as smooth as possible.

Model PV-100xps Fan Specifications

Warranty

Five (5) year limited warranty.

Casing

- Manufactured from high grade pressed galvanized steel, with black baked enamel coating.
- Extra long inlet and discharge collars make installation quick and trouble free.
- Supplied with a strong galvanized steel mounting bracket.
- Supplied with mounted, prewired wiring junction box.

Wheel / Impeller

- Backward curved centrifugal type constructed of metal.
- Factory matched to an external rotor motor and dynamically balanced to eliminate vibration.

Motor

- Totally enclosed permanent split capacitor start and run external rotor motors.
- 115V 60Hz (single phase) electrical connection.
- Permanently sealed, self lubricating precision ball bearings.
- Safety Thermal Overload Protection Cut-Out (Automatic Reset Type).
- Suitable for working airstreams up to 140° F.
- Class F motor insulation

Code Approval

- Independently safety tested by Intertek Laboratories, and are ETL Listed.
- Independently tested for Airflow Performance. The PV-100xps is licensed to bear the AMCA seal for Air Performance.
- The PV product range is certified by the Home Ventilating Institute (HVI) for Air Performance.

NOTE: The PV-100xps Dryer Booster fan is suitable for use with duct runs of up to 105 linear feet of 4" rigid duct or a maximum of 6 elbows and 80 feet.