

VK PS Series *For Dryer Boost Application*

DRYER BOOSTER FANS



FARTF VK PS Series dryer booster fan has been specially designed to solve dryer vent problems where more airflow is needed. VK PS dryer booster fans make dryers run more efficiently, save energy by reducing drying time, and limit lint and moisture problems. The pre-installed pressure switch runs in 10 minute repeat cycles. Every 10 minutes the booster fan stops for 15 seconds. If the pressure still exists, another cycle begins. If the dryer stops during the cycle, the booster fan will complete the 10 minute cycle that it had started before the dryer stopped. The extra venting helps to keep the duct lint free and to clear any remaining moisture. The fans are fitted with backward curved centrifugal impeller, which prevents lint from getting stuck in the fan. Feature powerful sealed external rotor motor with lifelong bearings and thermal protection. This powerful combination enables the FARTF VK PS fans to deliver exceptional airflow performances even in long duct runs. Designed to vent up to 150 ft. duct work.

Applications

VK PS booster fans can be used to exceed the maximum 25 ft. and allow complex duct runs. The fan should be at least 15 ft. from the dryer as close as possible where the duct terminates. Installed closer than 15 ft. from the back of the dryer, the use of FARTF DLT454 Lint Trap is recommended as the fan could pull lint into the fan body causing clogging. Lint trap should be installed in the dryer duct just above the dryer. Please refer to the installation manual for the correct angle of pressure switch.

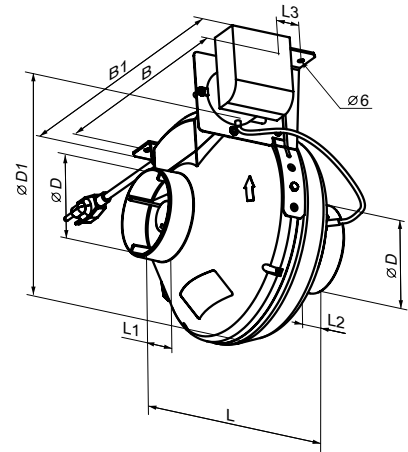
Benefits

- Installed Pressure Switch
- Duct: 4"
- High static pressure applications
- Backward curved centrifugal impeller
- External rotor motor with thermal overload protection
- Ideal for long duct runs
- Vibration free operation
- Energy efficient
- Maintenance free
- Corrosion resistant
- UV resistant, UL94 certified plastic
- Pre-wired and supplied with mounting bracket for easy installation
- ETL listed



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 |



Performance

| Model | Duct dia | Sones | RPM* | Watts* | CFM vs. Static Pressure (Ps) in WG | | | | | | | | | | Volt / Hz |
|-----------|----------|-------|------|--------|------------------------------------|--------|------|-------|--------|------|-------|------|-------|------|-----------|
| | | | | | 0" | 0.125" | 0.2" | 0.25" | 0.375" | 0.5" | 0.75" | 1.0" | 1.25" | 1.5" | |
| VK PS 100 | 4" | 8.5 | 3088 | 106 | 162 | 155 | 150 | 147 | 141 | 134 | 120 | 104 | 87 | 67 | 120 / 60 |

* The parameters RPM, Watts are indicated at 0.2 in WG static pressure.

Specification

Voltage: 120 V, 60 Hz

Motor: Single-phase external rotor motor with backward curved centrifugal impellers

Duct compatibility: Ø 4"

Airflow capacity: up to 162 CFM

Sones: 8.5

Power consumption: 106 W

Suitable for working airstreams up to 149 °F

IPX4 protection

Thermal overload protection

Pressure switch, mounting bracket and power cord included

Five year warranty

Contacts

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