



DRYER BOOSTER / DBA-4HP FOR RESIDENTIAL DRYERS

PRODUCT
SPECIFICATIONS
AND ENGINEERING
INFORMATION
SUBMITTAL DATA
643-4-04

Description

The American ALDES Model DBA-4HP dryer booster fan incorporates the DB 10, a pressure sensing switch and cycle timer designed specifically for the requirements of residential dryer venting.

The fan can be installed at any orientation in the duct. Installation is simple due to the straight through airflow design and standard four-inch duct connections. A fan mounting bracket is included to mount the unit to framing members.

The product requires limited maintenance and is automatically controlled.

- The motor bearings are permanently sealed, self lubricating type.
- The pressure sensing switch and internal timer eliminate the need for electrical interconnections with the dryer and remote sensors.

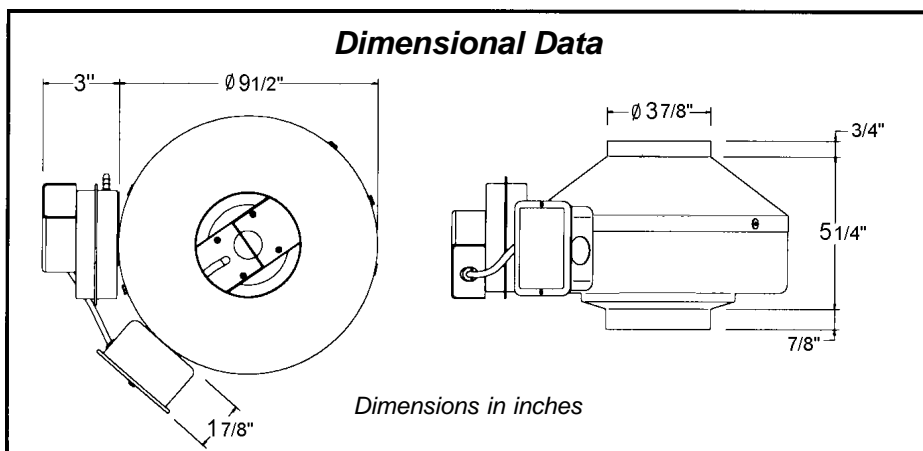
Warranty

The DBA-4HP Dryer Booster Fan is backed by American ALDES three-year warranty.

Installation Notes

- For maximum sensitivity, the switch diaphragm must be mounted in a vertical plane. Mounting in a horizontal plane may cause improper operation.
- The fan must be mounted at least 15 feet from the dryer to prevent lint from loading the impeller blades. A lint filter, properly designed may be used, if required to permit mounting the fan closer to the fan. Such a filter must be readily accessible for frequent service, and must not adversely affect airflow.
- The fan should be inspected periodically and cleaned as necessary. Frequency of service depends on usage.

Dimensional Data



Dimensions in inches

ALDES 4 in. Fan Mount Clamps (Pt. No. 99 016) are recommended for ducting connections to facilitate installation and service.

Typical Specification for Dryer Boost Fan

Construction

Fan and Pressure Sensing Switch: American ALDES Ventilation Corp., Sarasota, FL (1-800-255-7749). ALDES Model DBA-4HP Dryer Booster Fan.

DBA-4HP Fan: Centrifugal, backward curved blower, in-line fan. Steel housing shall be enamel painted. Motor shall be totally enclosed, permanent split capacitor, external rotor type, with Class B insulation, with automatic reset thermal protection, rated for use in airstreams up to 140°F, acceptable for continuous unattended operation. Fan shall be supplied with externally mounted electrical terminal box with pre-wired terminal strip connections. Capacitor shall be mounted in electrical junction box. Fan shall be mounted close to the exterior vent hood.

DB 10 Switch: Positive pressure sensing switch shall be mounted on the fan and prewired to the terminal strip provided in the electrical junction box. Switch shall incorporate an off-delay operation cycle timer to maintain the operation for intervals of 10 minutes until drying cycle is completed.

The dryer booster fan and pressure sensing switch shall be manufactured under the authority of American ALDES Ventilation Corporation, Sarasota, FL.

Electrical

The fan shall operate on 115V, 60 Hz, single phase current. The motor and DB 10 switch shall be listed as one assembly.

Code Approval

Fan shall be tested and approved by CSA (US+C) for safety.

Electrical Data

115 V	60 Hz
69 W	.73 AMP
	2800 RPM

PROJECT

DATE

SUBMITTED BY

CONTRACTOR

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