Fantech FSD Series Fans

Description

A mixed flow centrifugal type exhaust/supply fan for moderate size ventilation applications specifically designed to bridge the transition from centrifugal to axial. FSD Series fans offer substantially quieter performance and are easier to install than axial arrangements. Fans could be mounted at any angle in any point along the duct work and straight-through air flow design allows easy installation. Fans can easily be removed from duct work for service. Fan motors are capable of operating in air stream temperatures of 140^{o} F. Motor bearings are a permanently sealed, self lubricating ball type. All fans are 100% speed controllable through a decrease in the voltage by using a solid state or transformer type control. All FSD Series fans are backed by **Fantech's Three Year Warranty.**

Guide Specifications for Model FSD Inline Duct Fans

Supply, exhaust or return air inline fans shall be of the centrifugal, direct driven type.

Construction

Housing

- Fan housing shall be constructed of heavy gauge galvanized sheet metal with a protective baked enamel finish.
- Fan shall be supplied with externally mounted electrical terminal box with pre-wired terminal strip connections.

Motor

- Motorized impeller shall be an enclosed external rotor type, Class (F) insulation.
- Single phase motors (FSD 18 – FSD 22) shall be 115V permanent split capacitor type.
- Three phase motors (FSD 26) shall be dual wound for 230V or 440/460V.
- All motors shall be a permanently sealed self lubricating ball bearing type.
- Single phase motors shall be equipped with automatic reset thermal overload protection.
- The phase motors shall be equipped with automatic reset internal thermal overload switch for interlock with contactor.
- Motors shall be acceptable for continuous duty.
- Sufficient service factor shall be provided to ensure long maintenance free operation over maximum load conditions.

Wheel

- Fan wheel shall be of the mixed flow centrifugal type with a well designed inlet venturi for maximum performance.
- Motorized impeller shall be both statically and dynamically balanced as one integral unit to provide for vibration free performance.
- Impellers for models FSD 18 through FSD 22 shall be molded of high impact polypropylene.
- Impellers for model FSD 26 shall be constructed of aluminum.

Performance

- Fan performance shall be based on test conducted in accordance with AMCA Standard 211 and 311 and shall be licensed to bear the AMCA Certified Ratings label.

Code Approval

- Fan shall be tested and approved by UL (or equal) for safety.

FSD Series shall be manufactured under the authority of Fantech, Inc., Sarasota, FL.

Fantech

United States 1712 Northgate Blvd. · Sarasota, FL 34234 · 1.800.747.1762 · www.fantech.net
Canada 50 Kanalflakt Way · Bouctouche, NB E4S 3M5 · 1.800.565.3548 · www.fantech.ca

Article #: 450421
Rev Date: 071007