

FG EC Series

Inline Centrifugal Fans with EC Motors

Description

A centrifugal type exhaust/supply fan specifically designed for moderate size ventilation applications. The fan can be mounted at any angle in any point along the duct work and straight-through air flow design allows easy installation. By using FC type mounting clamps, fan can be easily removed from duct work for service. Fans are constructed in accordance with standard dimensions for spiral duct eliminating the need for transition pieces. Fan motors are capable of operating in air stream temperatures up to 140o 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 0..10V potentiometer. All FG EC Series fans are backed by Fantech's Five Year Warranty.

Guide Specifications for Model FG EC 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
- Fan shall be supplied with externally mounted electrical terminal box with pre-wired terminal strip connections.

Motor

- Motorized impeller shall be an external rotor type, class B insulation, enclosed with permanent split capacitor.
- Motor shall be a permanently sealed self lubricating ball bearing type.
- Motor shall be equipped with automatic reset thermal overload protection.
- Motor shall be acceptable for continuous duty.

Wheel

- Fan wheel shall be of the backward inclined 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 shall be molded of high impact polypropylene.

Performance

- Fan air flow performance shall be based upon tests conducted in accordance with AMCA Standard 211 and shall be licensed to bear the AMCA Certified Ratings Label.

Code Approval

- Fan shall be tested and approved by UL and CSA (or equals) for safety

FG EC Series shall be manufactured under the authority of Fantech, Inc., Lenexa, KS.