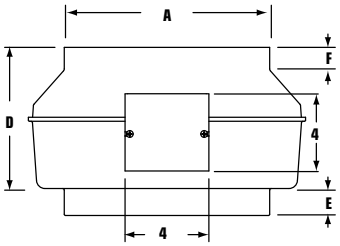
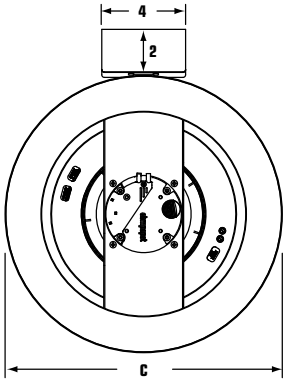
Fantech

SUBMITTAL DATA
FG EC SERIES
Inline Centrifugal Fans





STANDARD FEATURES

- Airtight galvanized steel housing
- Efficient EC motor
- Powered by external rotor motorized impeller
- Permanently lubricated sealed ball bearings
- 100% speed controllable
- Automatic reset thermal overload protection
- Prewired electrical box
- Five-year factory warranty

Model	A	C	D	E	F	Metal Gauge	Avg Wt. (lbs.)	Energy Star
FG 6M EC	5 7/8	13 1/8	6 5/8	1	1	22	12	✓
FG 8 EC	7 7/8	13 3/8	6	1 1/8	1 1/8	22	12	✓
FG 10 EC	9 7/8	13 3/8	4 11/16	1 1/8	1	22	12	✓
FG 12 EC	11 7/8	16	8 1/4	1 1/16	1 3/16	22	18	✓
FG 12XL EC	11 7/8	16	8 1/4	1 1/16	1 3/16	22	21	✓

All dimensions in inches.

AMCA CERTIFIED RATINGS — AIR PERFORMANCE — AIR MOVEMENT AND CONTROL ASSOCIATION INTERNATIONAL, INC.

2100 HVI CERTIFIED™

c UL us

ENERGY STAR

Look for Energy Star models in dimensional data chart.

Fan Specifications							Motor Specifications				
Line	Qty	Model No.	Tag	CFM	SP	Fan RPM	Watts	Volts	Phase	Hertz	Encl
1											
2											
3											
4											
5											

Accessory Items	1	2	3	4	5	Accessory Items	1	2	3	4	5
☐						☐					
☐						☐					
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Project: _____ Submitted: _____

Customer: _____ Approved: _____

Location: _____

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Rev Date: 020812

Fantech FG EC Series Fans

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 140° 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 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 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.

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

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