



# Fantech

SEPTEMBER 2011

## FG EC SERIES

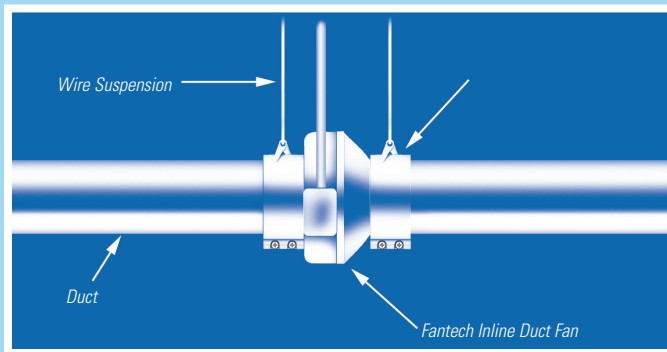
INLINE DUCT FANS  
**NOW AVAILABLE  
WITH EC MOTORS**

The company that invented the circular duct fan more than thirty years ago has taken the inline duct fan and improved its performance and energy efficiency with EC (electronically commutated) motors.

**Driven by EC technology, the fans now consume an average of 30% less energy than standard AC fans.**

EC motors use intelligent technology with integral electronic controls to ensure energy savings no matter what the airflow demands. Reduced energy usage results in lower operating costs. The motors develop less heat so significantly less maintenance is needed and the lifetime of the motor is increased.

Virtually airtight galvanized steel housings meet code requirements for both residential and commercial applications.



Look for the Energy Star  
Rated Models in Performance  
Data Chart on back page



Fantech, Inc. certifies that the models shown herein are licensed to bear the AMCA Seal. The ratings are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program.

## EC TECHNOLOGY

- More efficient than an AC motor – **consumes 30% less energy!**
- Integrated electronic controls ensure fans run at optimal load no matter what the airflow demands
- Reduced operating costs
- Less maintenance
- Longer motor life
- Less wiring at installation

## 5 MODELS TO CHOOSE FROM:

- 6" to 12" duct diameters
- 363 to 805 CFM
- 100% speed controllable
- Pre-wired potentiometer (0-10V)
- Automatic reset thermal overload protection
- Five-year factory warranty
- UL Listed

**FIVE  
YEAR  
WARRANTY**

## Simplified Installation:

The FG EC Series features new longer duct connections for easier installation. Fans are prewired and include bracket for mounting to wall or ceiling. Integrated controls mean less wiring is needed.

Straight-through airflow allows fans to be installed at any angle at any point along the ductwork.

*Also Available:  
**FGC EC SERIES**  
Fans prewired with  
six foot cord and plug.*

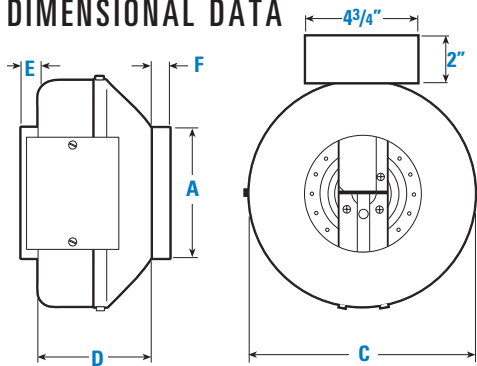


# FG EC SERIES

FROM RESIDENTIAL TO COMMERCIAL



## DIMENSIONAL DATA



| Model      | A  | C                              | D                              | E                              | F                               |
|------------|----|--------------------------------|--------------------------------|--------------------------------|---------------------------------|
| FG 6M EC   | 6  | 13 <sup>1</sup> / <sub>8</sub> | 6 <sup>5</sup> / <sub>8</sub>  | 1                              | 1                               |
| FG 8 EC    | 8  | 13 <sup>3</sup> / <sub>8</sub> | 6                              | 1 <sup>1</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>8</sub>   |
| FG 10 EC   | 10 | 13 <sup>3</sup> / <sub>8</sub> | 4 <sup>1</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>8</sub>  | 1                               |
| FG 12 EC   | 12 | 16                             | 8 <sup>1</sup> / <sub>4</sub>  | 1 <sup>1</sup> / <sub>16</sub> | 13 <sup>1</sup> / <sub>16</sub> |
| FG 12XL EC | 12 | 16                             | 8 <sup>1</sup> / <sub>4</sub>  | 1 <sup>1</sup> / <sub>16</sub> | 13 <sup>1</sup> / <sub>16</sub> |

All dimensions in inches. † Duct connections are 1/8" smaller than duct size.



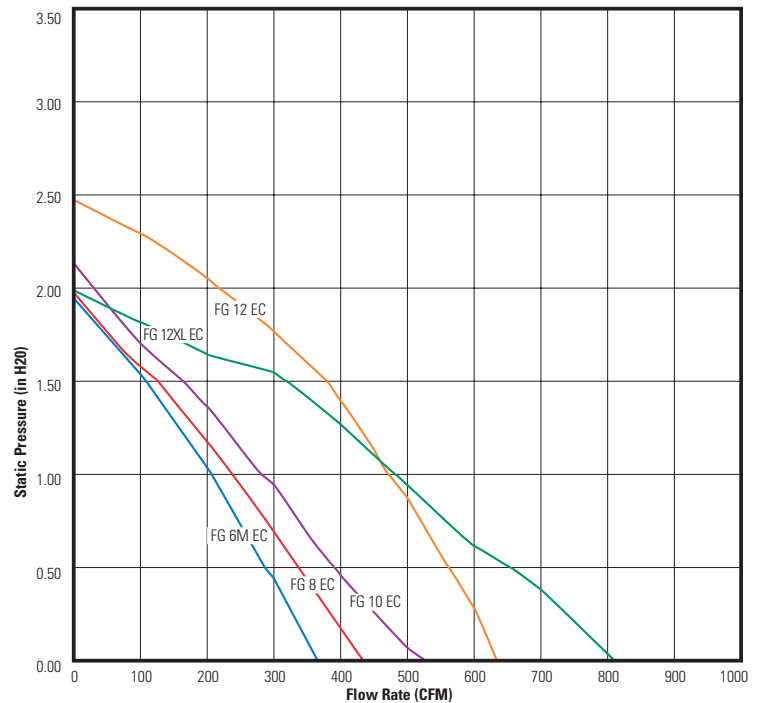
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Look for the Energy Star Rated Models in Performance Data Chart.



## AIR PERFORMANCE GRAPHS



## PERFORMANCE DATA

| Fan Model  | Energy Star | RPM  | Voltage | Rated Watts | Max. Amps | Static Pressure in Inches W.G. |      |      |      |      |      |      |       |      |      | Max. Ps | Duct Dia. | CFM/Watt* |
|------------|-------------|------|---------|-------------|-----------|--------------------------------|------|------|------|------|------|------|-------|------|------|---------|-----------|-----------|
|            |             |      |         |             |           | 0"                             | 0.1" | 0.2" | 0.4" | 0.6" | 0.8" | 1.0" | 1.25" | 1.5" | 2.0" |         |           |           |
| FG 6M EC   | ✓           | 2480 | 120     | 77.6        | 1.32      | 363                            | 349  | 330  | 302  | 271  | 239  | 206  | 161   | 113  | -    | 1.92    | 6"        | 4.25      |
| FGC 6M EC  | ✓           | 2480 | 120     | 77.6        | 1.32      | 363                            | 349  | 330  | 302  | 271  | 239  | 206  | 161   | 113  | -    | 1.92    | 6"        | 4.25      |
| FG 8 EC    | ✓           | 2545 | 120     | 75.5        | 1.32      | 428                            | 410  | 390  | 353  | 314  | 275  | 239  | 184   | 121  | -    | 1.95    | 8"        | 5.17      |
| FGC 8 EC   | ✓           | 2545 | 120     | 75.5        | 1.32      | 428                            | 410  | 390  | 353  | 314  | 275  | 239  | 184   | 121  | -    | 1.95    | 8"        | 5.17      |
| FG 10 EC   | ✓           | 2380 | 120     | 90.5        | 1.32      | 513                            | 489  | 460  | 413  | 363  | 325  | 283  | 223   | 160  | 30   | 2.13    | 10"       | 5.08      |
| FGC 10 EC  | ✓           | 2380 | 120     | 90.5        | 1.32      | 513                            | 489  | 460  | 413  | 363  | 325  | 283  | 223   | 160  | 30   | 2.13    | 10"       | 5.08      |
| FG 12 EC   | ✓           | 2665 | 120     | 141.2       | 2.10      | 633                            | 621  | 600  | 577  | 542  | 506  | 467  | 423   | 379  | 221  | 2.45    | 12"       | 4.25      |
| FG 12XL EC | ✓           | 2510 | 120     | 169.7       | 2.10      | 805                            | 780  | 750  | 686  | 615  | 537  | 474  | 402   | 315  | -    | 1.96    | 12"       | 4.42      |

HVI Ratings @ 0.2" Static Pressure Only. Performance certified is for installation type D – Ducted inlet, Ducted outlet. Speed (RPM) shown is nominal. Performance based on actual speed of test. Performance ratings do not include the effect of appurtenance (accessories).

Also available: FGC EC Series fans pre-wired with six foot cord and plug. Models include FGC 6M EC, FGC 8 EC or FGC 10 EC.

\*CFM/Watt is not certified by AMCA



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