



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.

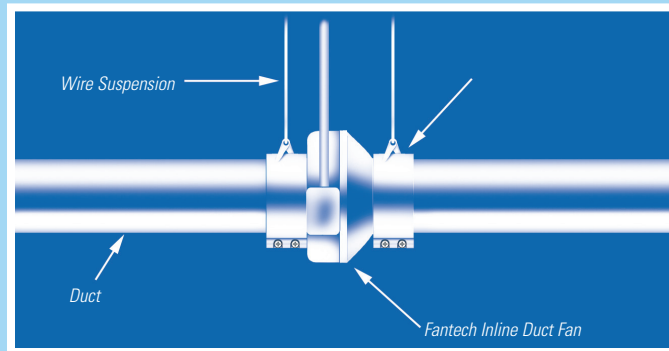
Virtually airtight galvanized steel housings meet code requirements for both residential and commercial applications.



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 Z11 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

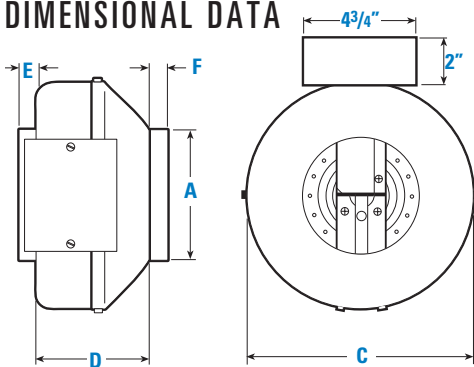


FG 6M EC



FGC 6M EC

DIMENSIONAL DATA



Model	†A	C	D	E	F
FG 6M EC	6	13 ¹ / ₈	6 ⁵ / ₈	1	1
FG 8 EC	8	13 ³ / ₈	6	1 ¹ / ₈	1 ¹ / ₈
FG 10 EC	10	13 ³ / ₈	4 ¹¹ / ₁₆	1 ¹ / ₈	1
FG 12 EC	12	16	8 ¹ / ₄	1 ¹ / ₁₆	1 ³ / ₁₆
FG 12XL EC	12	16	8 ¹ / ₄	1 ¹ / ₁₆	1 ³ / ₁₆

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



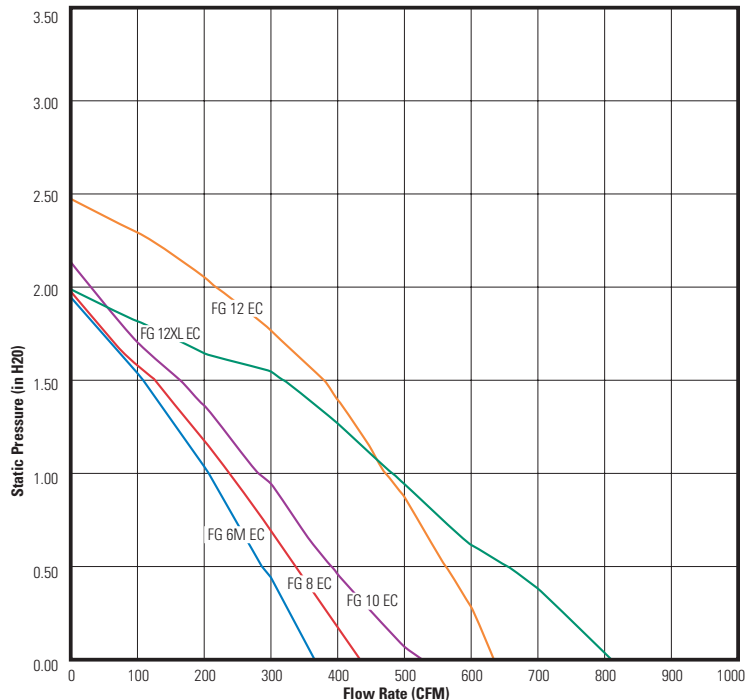
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Look for the Energy Star Rated Models in Performance Data Chart.



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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