

FG 8XL Centrifugal Inline Fan

Item #: 40409

Variant : 120V 1~ 60Hz



Description

- Speed-controllable
- Built-in thermal overload protection with automatic reset
- Can be installed in any position and outdoors
- Maintenance-free and reliable
- Mounting bracket and hardware included
- Five-year factory warranty

Application

The FG Series is designed for installation in ducts.

Design

The housing is manufactured from a two-piece stamped galvanized construction. The two halves are joined using Fantech's unique folded seam closure, which gives the fan the first in class, air tight seal. Duct connected outdoor and wet room applications of the fan are possible due to the air tight casing.

FG fans are equipped with backward-curved impeller blades and external...

[Find more details in our online catalogue](#)

Technical parameters

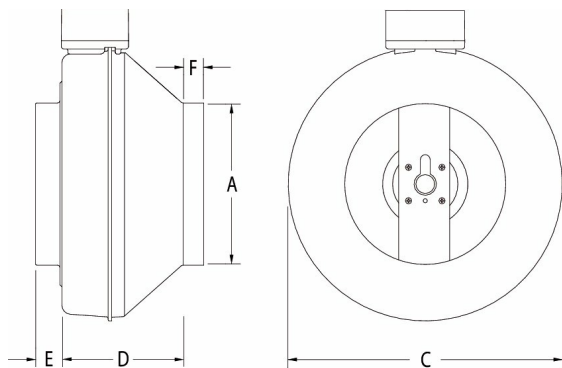
Normal data	
Voltage (nominal)	120 V
Frequency	60 Hz
Phase(s)	1~
Input power	137 W
Input current	1.32 A
Impeller speed	3,031 r.p.m.
Air flow	max 509.0 cfm
Temperature of transported air	max 140 °F
Max temperature of transported air, when speed controlled	140 °F
Protection/Classification	
Enclosure class, motor	IP44
Insulation class	B
Dimensions and weights	
Duct dimension; Circular, inlet	8 in.
Duct dimension; Circular, outlet	8 in.
Weight	8.5 lb
Optional	
Duct connection type	Circular

Performances

CFM Table

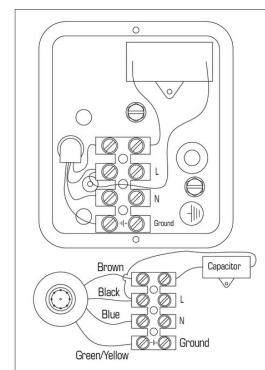
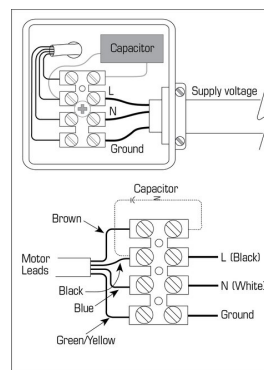
Model	0" Ps	0.2" Ps	0.4" Ps	0.6" Ps	0.8" Ps	1.0" Ps	1.5" Ps	2.0" Ps
FG 4	135	110	83	55	25	-	-	-
FG 4XL	170	150	134	119	103	86	40	-
FG 5XL	220	190	160	135	112	91	41	-
FG 6	303	270	232	196	164	134	58	-
FG 6M	418	370	317	268	224	186	101	16
FG 6XL	483	450	409	369	329	289	201	-
FG 8	461	410	351	295	243	191	97	14
FG 8XL	502	470	428	388	351	313	218	100
FG 10	513	480	444	407	366	324	216	90
FG 10XL	589	560	531	503	472	441	355	260
FG 12	741	680	601	515	434	363	236	141
FG 12XL	940	880	819	746	670	596	425	400

Dimensions

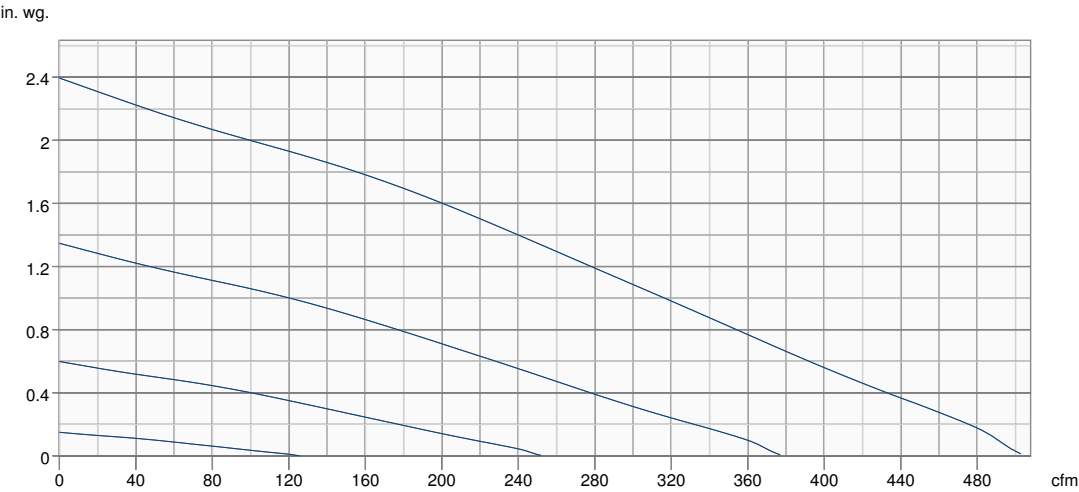


Model	A	C	D	E	F
4	4 (101)	8 1/2 (216)	6 1/2 (165)	1 (25)	1 (25)
4XL	4 (101)	9 3/4 (248)	6 15/16	1 (25)	1 (25)
5	5 (127)	8 5/8 (219)	6 1/2 (165)	1 (25)	1 (25)
5XL	5 (127)	9 3/4 (248)	6 (152)	1 1/8 (29)	1 1/8 (29)
6	6 (152)	11 3/8 (289)	6 1/4 (159)	1 (25)	7/8 (22)
6XL	6 (152)	13 1/8 (333)	7 (178)	1 (25)	1 (25)
6M	6 (152)	13 1/8 (333)	7 (178)	1 (25)	1 (25)
8, 8XL	8 (203)	13 1/4 (337)	6 (152)	1 1/8 (29)	1 (25)
10	10 (254)	13 1/4 (337)	4 3/4 (121)	1 1/8 (29)	1 (25)
10XL	10 (254)	13 1/4 (337)	4 13/16 (122)	1 1/4 (32)	1 (25)
12, 12XL	12 (305)	16 (406)	6 11/16 (170)	1 1/2 (38)	1 (25)
Dimensions are in inches (mm).					

Wiring



Performance curve



Hydraulic data	
Required air flow	-
Required static pressure	-
Working air flow	-
Working static pressure	-
Air density	0.075 lb/ft³
Power	-
Fan control - RPM	-
Current	-
SFP	-
Control voltage	-
Supply voltage	-

Accessories

FC 8 Mounting Clamps (2 pcs) (411121)	FD60EM Electronic Timer Switch (411386)
FML 8 Metal Hood Supply Air (45148)	HL 30 Kitchen Hood Liner (56048)
HL 36 Kitchen Hood Liner (56047)	HL 42 Kitchen Hood Liner (56046)
IG 8 Inlet Guard (411127)	IR 8 Iris Damper (411237)
LD 8 Silencer (411125)	MGE 8 Metal Exhaust Grill (411244)
MGS 8 Metal Supply Grill (411243)	PBH4 Bath Fan Grill w/ Hal (412262)
PBV4 Bath Fan Grill (412260)	PBV6 Bath Fan Grill (412261)
RSK 8 Backdraft Damper (411115)	VT20A Pgrm Fan Aux Ctrl (45385)
VT20M Pgrm Fan Main Ctrl (45386)	WC 15 Speed Control (5A) (411102)

Documents

450369 FG Submittal Sheet EN.pdf
400017 FG OIPM EN FR ES.PDF
40409.dxf