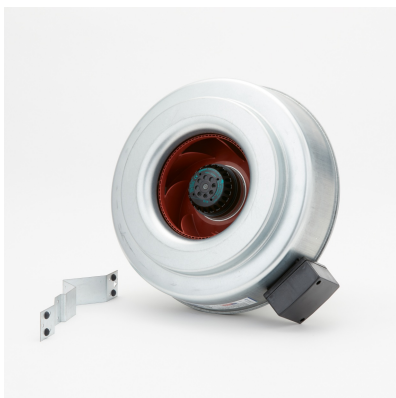


FG 12XL Centrifugal Inline Fan

Item #: **#40413**

Operating Mode: **120V 1~ 60Hz**



Low to moderate airflow metal fans for various applications

- Durable, leak-free, low-noise operation
- Suitable for indoor installations
- Mount the fan at any angle/direction within the ductwork
- Built-in thermal overload protection with automatic reset
- Operable in air stream temperatures up to 140°F
- Mounting bracket and hardware included
- 5-year factory warranty

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

Technical parameters

Nominal data	
Voltage (nominal)	120 V
Frequency	60 Hz
Phases	1~
Input power	286 W
Input current	2.54 A
Impeller speed	2,750 rpm
Air flow	max 956 cfm
Temperature of transported air	max 140 °F
Protection/Classification	
Enclosure class, motor	IP44
Insulation class	F
Dimensions and weights	
Duct dimension; Circular, inlet	12 in.
Duct dimension; Circular, inlet	12 in.
Duct dimension; Circular, outlet	12 in.
Duct dimension; Circular, outlet	305 mm
Weight	13.7 lb
Optional	
Duct connection type	Circular
Motor type	AC
Material	Metal

Performances

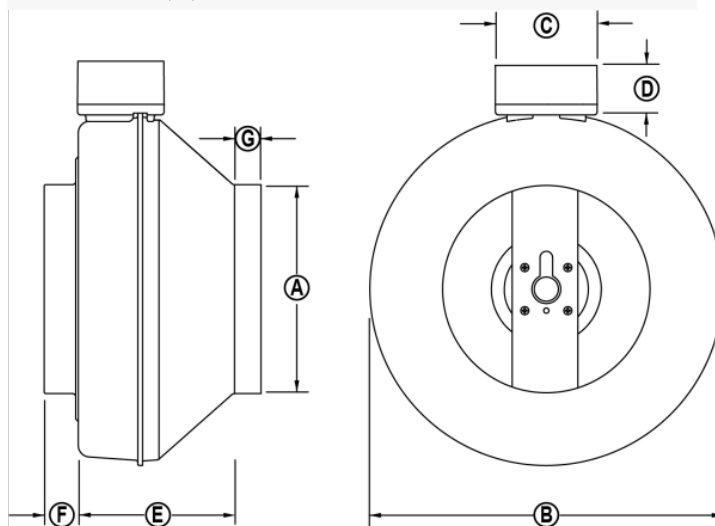
CFM Table

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 8	461	410	351	295	243	191	97	14
FG 10	513	480	444	407	366	324	216	90
FG 12XL	940	880	819	746	670	596	425	400

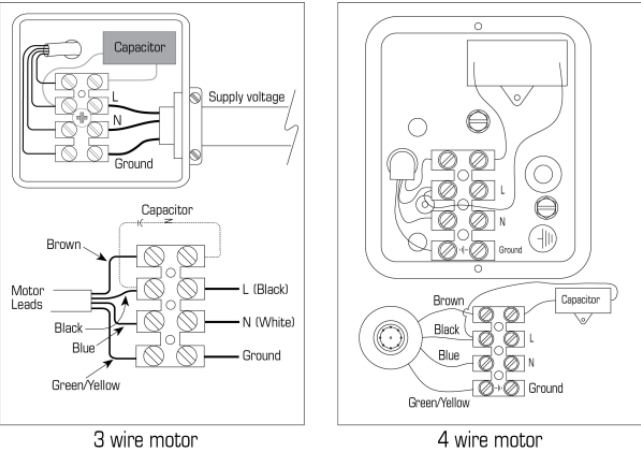
Dimensions

Model	A	B	C	D	E	F	G
4	4 (102)	8-1/2 (216)	3-3/4 (95)	2 (51)	6-1/2 (165)	1 (25)	1 (25)
4XL	4 (102)	9-3/4 (248)	3-3/4 (95)	2 (51)	6-15/16 (176)	1 (25)	1 (25)
5	5 (127)	8-5/8 (219)	3-3/4 (95)	2 (51)	6-1/2 (165)	1 (25)	1 (25)
5XL	5 (127)	9-3/4 (248)	3-3/4 (95)	2 (51)	6 (152)	1-1/8 (29)	1-1/8 (29)
6	6 (152)	11-3/8 (289)	3-3/4 (95)	2 (51)	6-1/4 (159)	1 (25)	7/8 (22)
6XL & 6M	6 (152)	13-1/8 (333)	3-3/4 (95)	2 (51)	7 (178)	1 (25)	1 (25)
8	8 (203)	13-1/4 (337)	3-3/4 (95)	2 (51)	6 (152)	1 (25)	1 (25)
8XL	8 (203)	13-1/4 (337)	3-3/4 (95)	2 (51)	6 (152)	1-1/8 (29)	1 (25)
10	10 (254)	13-1/4 (337)	3-3/4 (95)	2 (51)	4-3/4 (121)	1-1/8 (29)	1 (25)
10XL	10 (254)	13-1/4 (337)	3-3/4 (95)	2 (51)	4-13/16 (122)	1-1/4 (32)	1 (25)
12XL	12 (305)	16 (406)	3-3/4 (95)	2 (51)	6-11/16 (170)	1-1/2 (38)	1 (25)

Dimensions are in inches (mm).

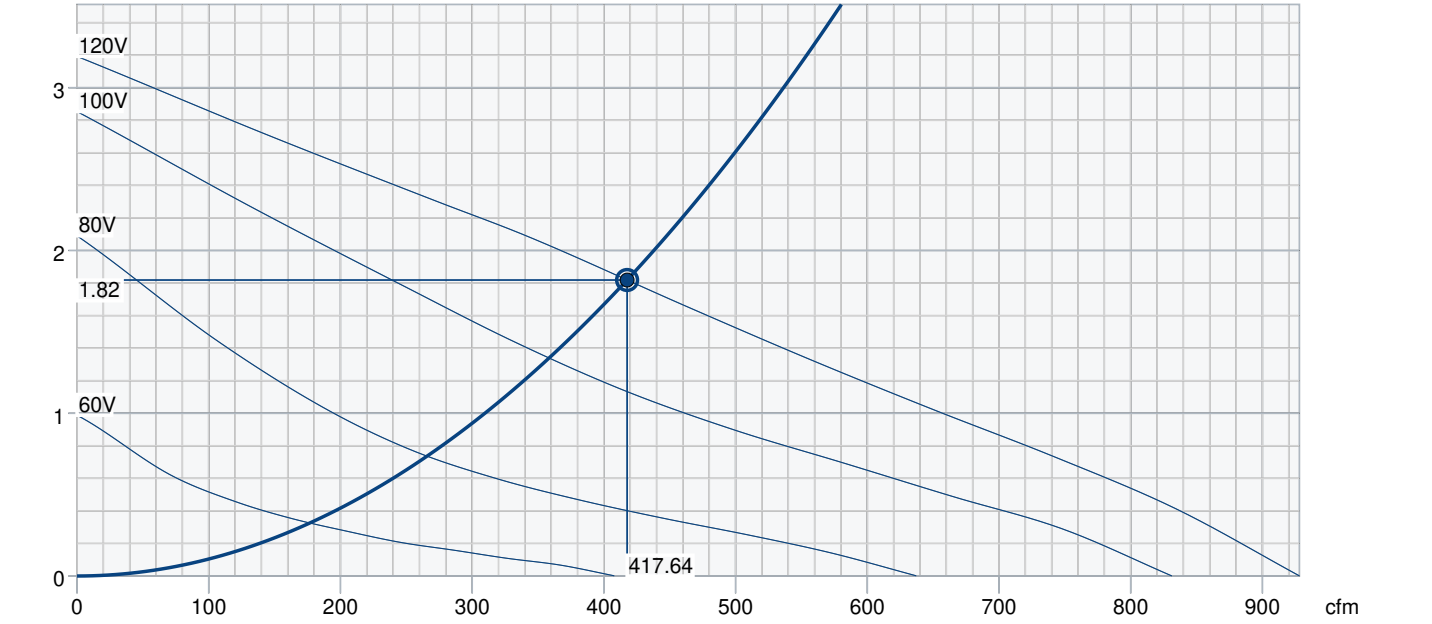


Wiring



Performance curve

in. wg.



Hydraulic data	
Required air flow	418 cfm
Required static pressure	1.82 in. wg.
Working air flow	418 cfm
Working static pressure	1.82 in. wg.
Air density	0.075 lb/ft³
Power	281 W
Fan control - RPM	2,942 rpm
Current	2.36 A
Airflow efficiency	1.5 cfm/W
Control voltage	120.0 V
Supply voltage	120 V

Accessories

- FD60EM Electronic timer (411386)
- WC 15 Speed control (411102)
- HL 48 Kitchen Hood Liner (56045)
- ADC 12 Shut-off Damper w Motor (44692)
- FGR 12 Filter Cassette (44686)
- IR 12 Iris Damper (411239)
- DHS 05 Humidity/Fan control (494044)

- IPF05 Speed control (484164)
- FML 12 Metal Hood Supply Air (45150)
- RSK 12 Backdraft Damper (411117)
- FC 12 Mounting Clamps (2 pcs) (411123)
- IG 12 Inlet Guard (411128)
- LD 12 Silencer (411287)
- PT6 Attic Thermostat (494085)

Documents

- 450369 FG Submittal Sheet EN.pdf
- 400017 FG/K IOM EN