

FG 6M Centrifugal Inline Fan

Item #: #40466

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	106	W
Input current	0.9	A
Impeller speed	2,412	rpm
Air flow	max 389	cfm
Temperature of transported air	max 140	°F
Protection/Classification		
Enclosure class, motor	IP44	
Insulation class	B	
Dimensions and weights		
Duct dimension; Circular, inlet	6	in.
Duct dimension; Circular, inlet	6	in.
Duct dimension; Circular, outlet	6	in.
Duct dimension; Circular, outlet	152	mm
Weight	8.2	lb
Optional		
Duct connection type	Circular	
Motor type	AC	
Material	Metal	

Performances

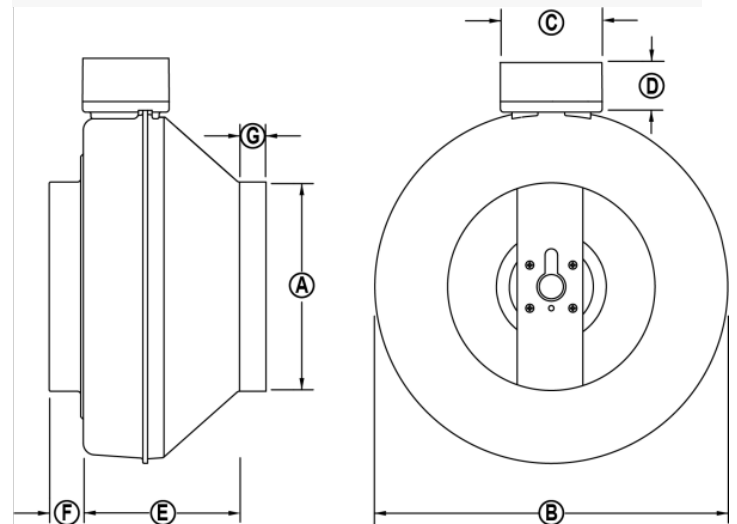
HVI Certified Rating(s)

Static Pressure (In. Wg.)	Rated Airflow (CFM)	Rated Power (Watts)
0.20	340	106

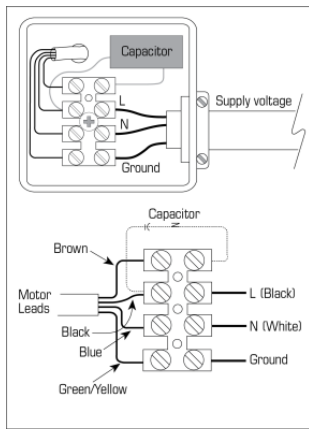
Dimensions

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)

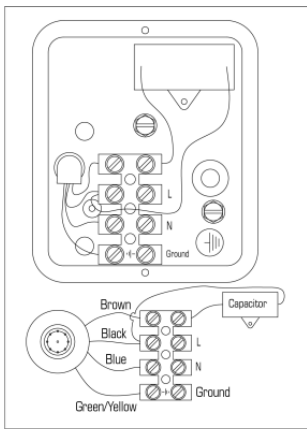
Dimensions are in inches (mm).



Wiring



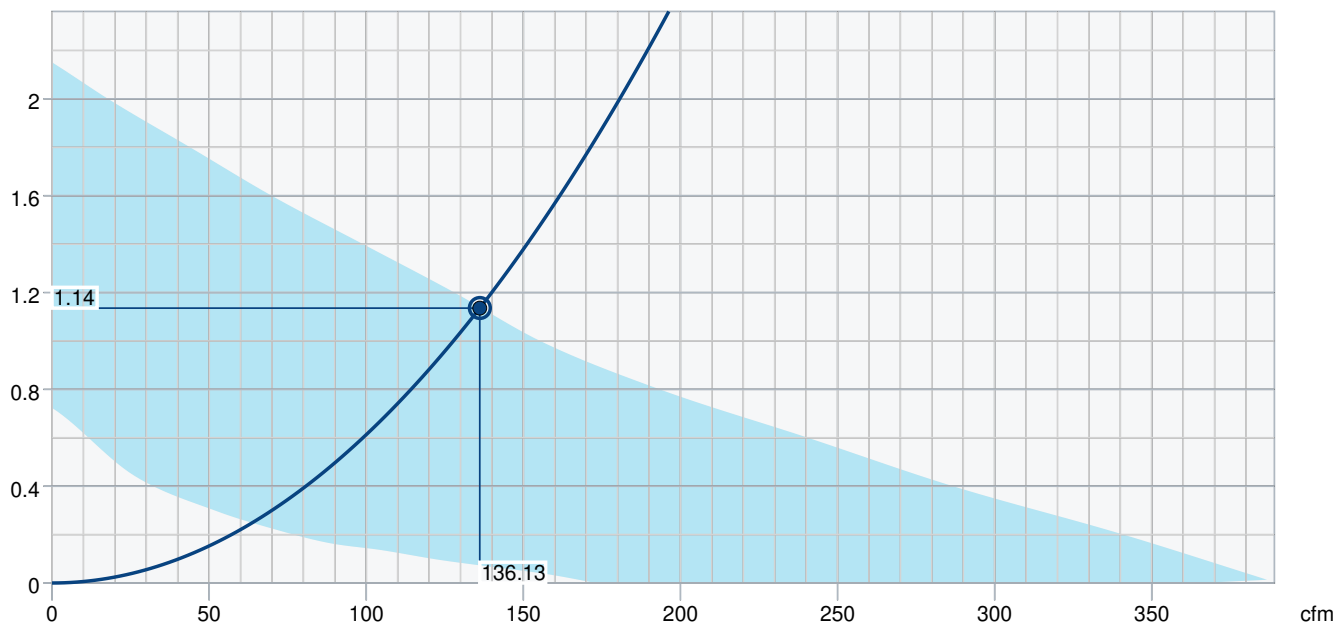
3 wire motor



4 wire motor

Performance curve

in. wg.



Hydraulic data										
Required air flow		136 cfm								
Required static pressure		1.14 in. wg.								
Working air flow		136 cfm								
Working static pressure		1.14 in. wg.								
Air density		0.075 lb/ft³								
Power		102 W								
Fan control - RPM		2,412 rpm								
Airflow efficiency		1.3 cfm/W								
Supply voltage		120 V								
Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	25	46	55	65	63	60	57	52	69
Outlet	dB(A)	30	45	55	60	62	60	56	50	66

Accessories

FD60EM Electronic timer (411386)
 WC 15 Speed control (411102)
 RSK 6 Backdraft Damper (411114)
 FC 6 Mounting Clamps (2 pcs) (411120)
 IR 6 Iris Damper (411236)
 MGE 6 Metal Exhaust Grill (411371)
 PBV6 Bath Fan Grill (412261)
 PT6 Attic Thermostat (494085)

IPF05 Speed control (484164)
 FIDT 6 Insulated Flex Duct (411064)
 ADC 6 Shut-off Damper w Motor (44967)
 IG 6 Inlet Guard (411109)
 LD 6 Silencer (411284)
 MGS 6 Metal Supply Grill (411242)
 DHS 05 Humidity/Fan control (494044)

Documents

- 450369 FG Submittal Sheet EN.pdf
- E2326 FG-FR-FKD BR EN pages
- 400017 FG IOM EN
- FG_AC_CSI_SPECIFICATION.ZIP