

## 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

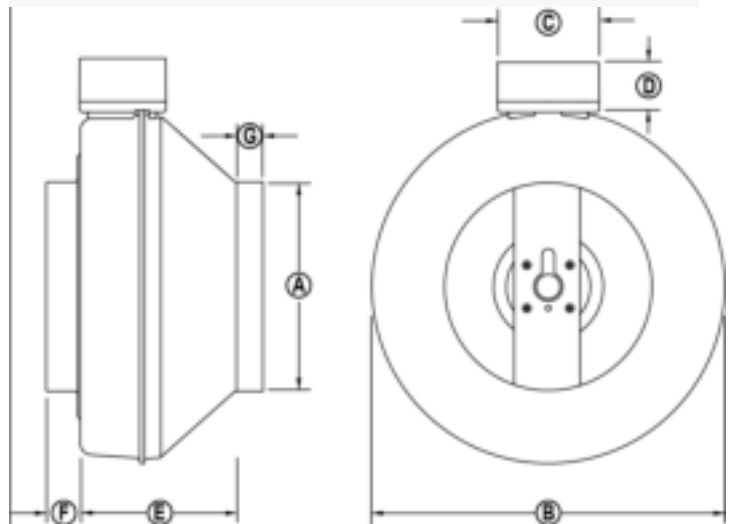
HVI Certified Rating(s)

| Static Pressure<br>(In. Wg.) | Rated Airflow<br>(CFM) | Rated Power<br>(Watts) |
|------------------------------|------------------------|------------------------|
| 0.20                         | 340                    | 106                    |

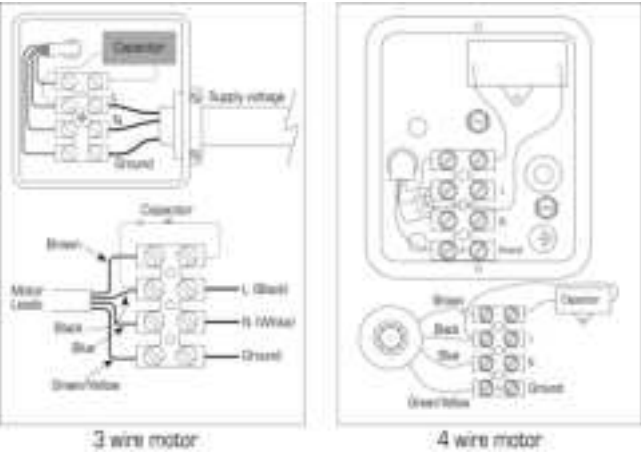
## Dimensions

| 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).

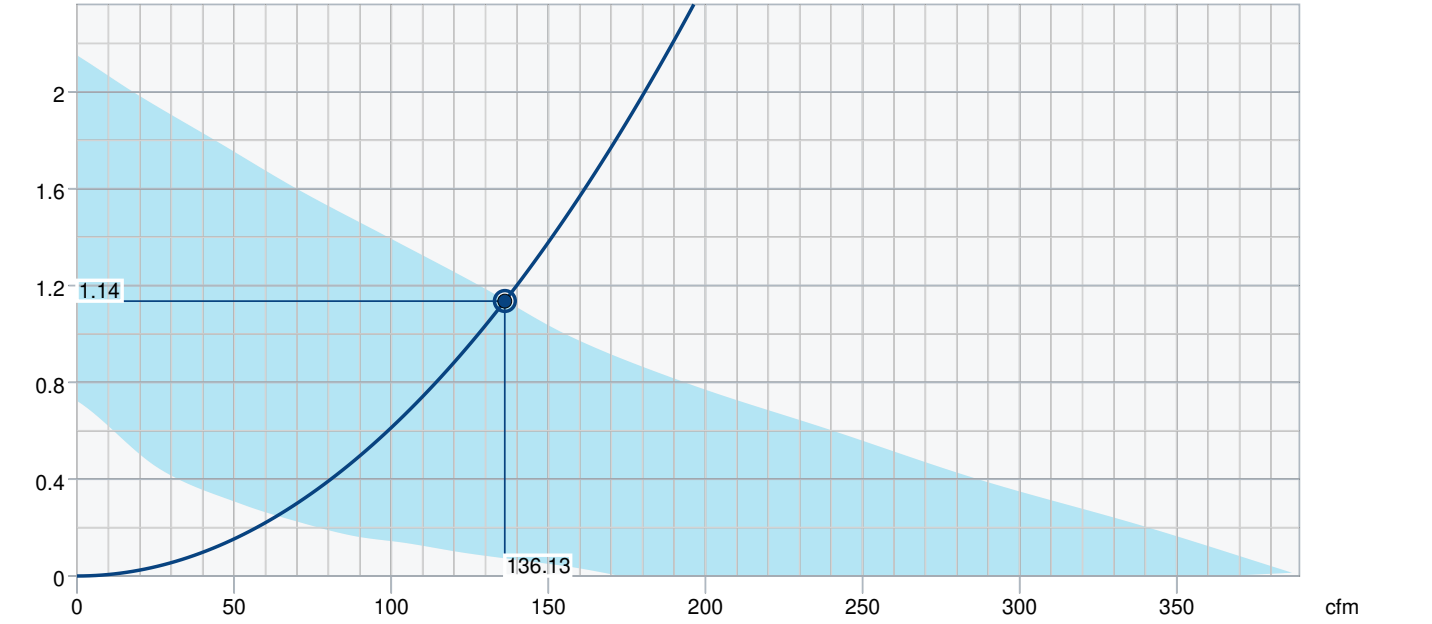


Wiring



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