

F175G Series

2023/12/27

General Specifications



Motor Protection: Locked rotor, Reverse polarity

Insulation Resistance: 10M Ohm min, measured with 500V DC between all leads shorted together and case

Dielectric Withstand Voltage: AC500V 1minute

Allowable Ambient Temperature Range:

-30 deg.C - +60 deg.C (F175G1-Operating),

-30 deg.C - +55 deg.C (F175G3-Operating)

-40 deg.C - +70 deg.C (Storage)

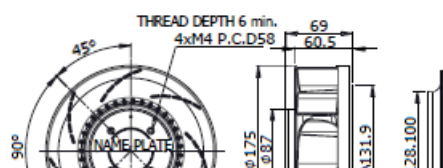
non-condensing environment

IP Code: IP68

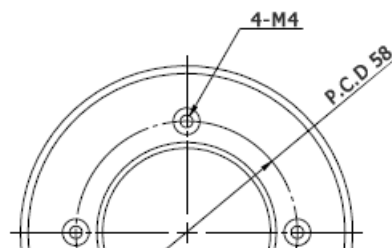
Expected Life

40 deg.C 70,000hours (L10)

Outline

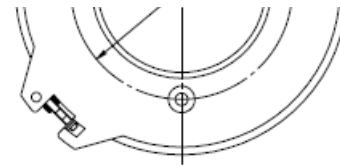
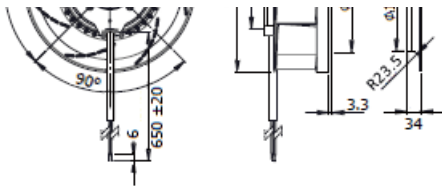


Panel Out-cuts

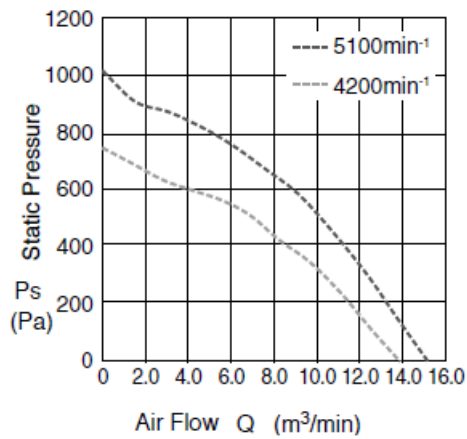


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Characteristic Curves



Material

- Impeller: Plastic
- Bearing: Ball Bearings
- Lead Wire: UL1430 AWG18 +: Red, -: Black
- Speed Control: Yellow
- Speed Signal: White

Specifications

Model	Nominal Voltage [V]	Operating Voltage lower limit [V]	Operating Voltage upper limit [V]	Nominal Current [A]	Input Power [W]	Speed [rpm]

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F175G1-061-D0750	48	36	54	3.2	153.0	5100
F175G3-061-D0540	24	18	27	3.7	90.0	4200

Model	Maximum airflow [m3/min]	Max. Air Flow [CFM]	Max. Static Pressure [Pa]	Max. Static Pressure [In H2O]	Noise [dB]	Mass [g]
F175G1-061-D0750	15.1	533	1015	4.1	77	1200
F175G3-061-D0540	13.5	476	740	2.9	73	1200

*1 Average values in free air and rated voltage condition.