

F280A 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 - +70 deg.C (Operating)

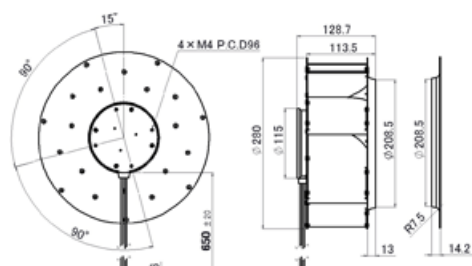
-40 deg.C - +80 deg.C (Storage)

non-condensing environment

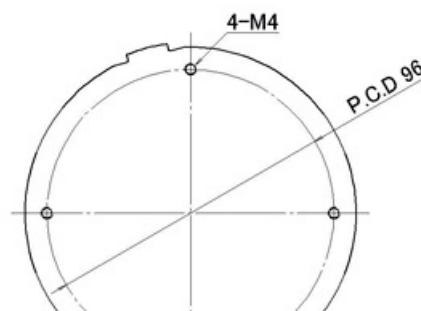
Expected Life

40 deg.C 70,000hours (L10)

Outline

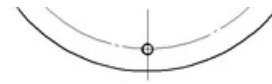


Panel Out-cuts

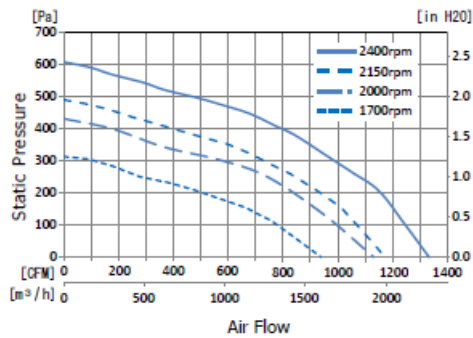


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Characteristic Curves



Material

Impeller: Aluminum

Bearing: Ball Bearings

Lead Wire: UL1015 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]
F280A1-113-D0720	48	36	72	5.3	254.4	2400
F280A2-113-D0720	48	36	72	3.4	163.2	2000
F280A3-113-D0520	24	18	30	7.1	170.4	2150

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F280A4-113-D0510	24	18	30	3.8	91.2	1700
Model	Maximum airflow [m ³ /min]	Max. Air Flow [CFM]	Max. Static Pressure [Pa]	Max. Static Pressure [In H ₂ O]	Noise [dB]	Mass [g]
F280A1-113-D0720	37.8	1333	607	2.4	81	2100
F280A2-113-D0720	32.0	1131	430	1.7	75	2100
F280A3-113-D0520	33.2	1173	489	2.0	77	2100
F280A4-113-D0510	26.6	940	313	1.3	70	2100

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