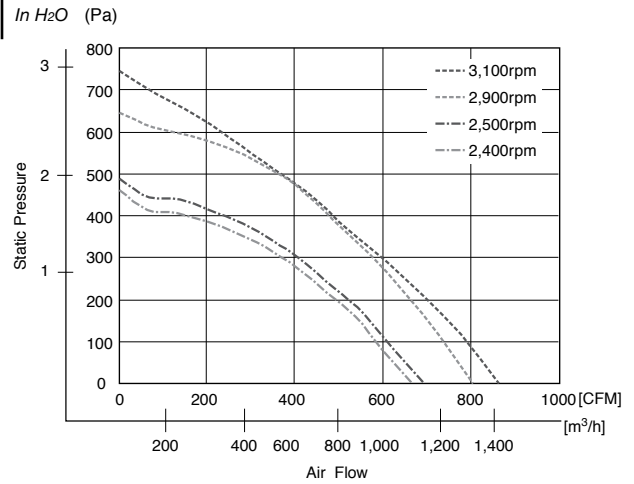




Characteristic Curves



General Specifications

Motor Protection:

Locked Rotor, Reverse Polarity

Insulation Resistance:

10M Ω min measured with 500V DC between all leads shorted together and case

Dielectric Withstand Voltage: AC 700V 1 minute

Allowable Ambient Temperature Range:

-30°C ~ +70°C (Operating)
-40°C ~ +80°C (Storage)

Expected Life

Failure Rate: 10%

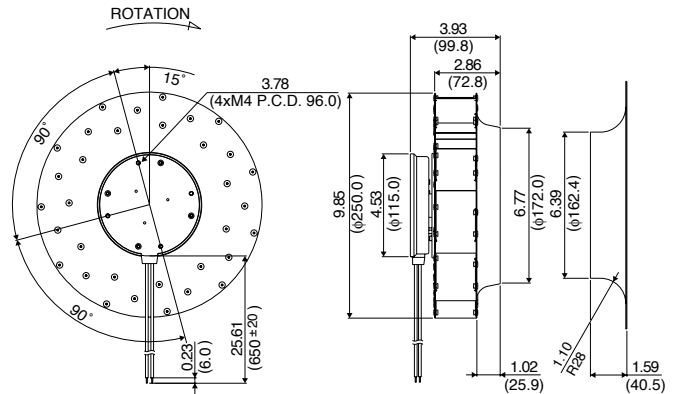
40°C 70,000 Hours (L10)

Material

Impeller : Steel
Bearing : Ball Bearing
Lead Wire : UL1015, AWG18, +Red, -Black,
Speed Control = Yellow,
Speed Signal = White

Outline

Units: inch (mm)



Specifications

| MODEL | Rated Voltage | Operating Voltage | Current | Input Power | Speed | Max. Air Flow | | Max. Static Pressure | | Noise | Mass |
|------------------|---------------|-------------------|-------------------|-------------------|------------------------------------|-------------------|------------------------|----------------------|--------------------|--------------------|------|
| | (V) | (V) | (A) ^{*1} | (W) ^{*1} | (min ⁻¹) ^{*1} | CFM ^{*1} | (m³/min) ^{*1} | in H ₂ O | (Pa) ^{*1} | (dB) ^{*1} | (g) |
| F250A3-072-D0730 | 48 | 30 ~ 72 | 3.40 | 163.2 | 3100 | 862 | 24.41 | 2.98 | 745 | 81 | 2400 |
| F250A4-072-D0720 | 48 | 30 ~ 72 | 1.85 | 88.8 | 2500 | 693 | 19.63 | 1.96 | 490 | 74 | 2400 |
| F250A5-072-D0520 | 24 | 18 ~ 30 | 6.05 | 145.2 | 2900 | 806 | 22.83 | 2.59 | 646 | 78 | 2400 |
| F250A6-072-D0520 | 24 | 18 ~ 30 | 3.50 | 84.0 | 2400 | 668 | 18.92 | 1.84 | 460 | 73 | 2400 |

Rotation: Clockwise

*1: Average Values in Free Air and Rated Voltage Condition