

Axial Fan

80mm×80mm×25mm

multicompPRO

**RoHS
Compliant**



Specifications

| | |
|--------------------------------------|------------------------------------|
| Rated Voltage | : 12V DC |
| Starting Voltage | : 7V DC |
| Operating Voltage Range | : 7V DC to 13.8V DC |
| Rated Current ¹ | : 0.11A |
| Rated Power Consumption ¹ | : 1.32W |
| Rated Speed ¹ | : 2500 RPM±15% |
| Max. Airflow ² | : 25.02 CFM (ft ³ /min) |
| Max. Static Pressure ² | : 0.08 In-H ₂ O |
| Noise Level ³ | : <28 dB(A) |
| Life Expectancy | : 40,000 hrs at 25°C |
| No of Polarity | : 4 Poles |
| Direction of Rotation | : Counter-Clockwise |

Note:

1. Input Current Speed Power Consumption
Measured after continuous 30 minutes operation at rated voltage in free air at ambient temperature of 25°C, 65% relative humidity
2. Performance
Measured with use of double chamber. The value are recorded when the fan speed is stabilized at rated voltage.
3. Noise Level
Measured at rated voltage in a semi-anechoic chamber with background noise below than 20 dB(A). The measuring distance is in one meter from microphone to inlet of the fan.

Electrical Specifications

| | |
|-----------------------|--|
| Polarity Protection | : Yes (Be capable of endurance when Vcc & GRD are exchanged) |
| Auto restart | : No (Locked motor protection) |
| Insulation Resistance | : 10MΩ/b/w unshielded wire and frame at 500V DC/min |
| Dielectric Strength | : 5Ma Max./Measured b/w lead wire and frame at 500V AC/min |

Materials Specifications

| | |
|-----------------------------------|--|
| Materials of Frame | : Thermoplastic PBT of UL 94V-0 (BK) |
| Materials of Fan Blade and Bobbin | : Thermoplastic PBT of UL 94V-0 (BK) |
| Bearing | : EL bearing |
| Lead wire | : Red (+), Black (-) and Yellow (FG) (UL1007, 26AWG) |
| Connector | : 2510 3P |

Environment Specification

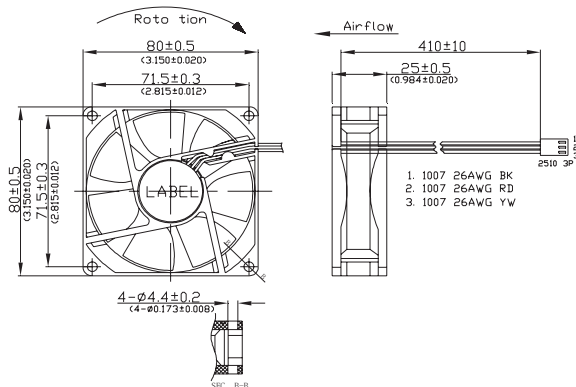
| | |
|-----------------------|--|
| Operation Temperature | : -10°C to +70°C / 66%(RH), high / low temperature test for 24 hours, temperature change: 30°C /hours. |
| Storage Temperature | : -40°C to +70°C/66%(RH), high / low temperature test for 24 hours, temperature change: 30°C /hours. |

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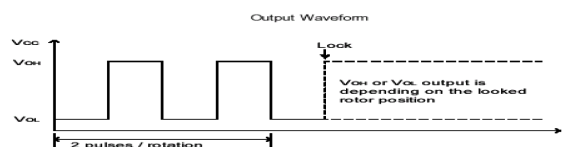
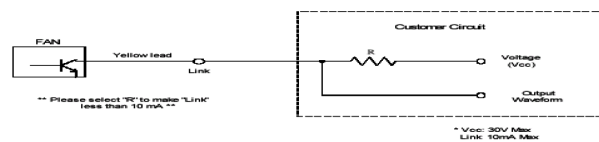
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Outline Dimension

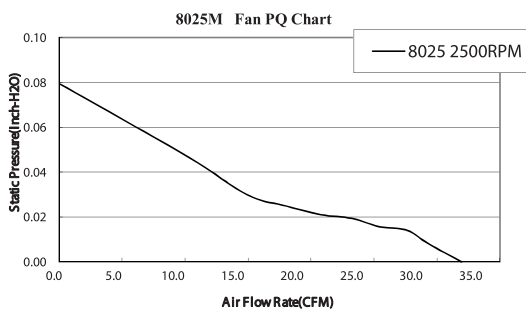


Sensor Circuit System

Speed Sensor / Tachometer (FG/F)



P/Q Performance



| | Q(cfm) | Ps (InchH ₂ O) |
|----|--------|---------------------------|
| 1 | 0.000 | 0.079 |
| 2 | 8.213 | 0.052 |
| 3 | 11.641 | 0.039 |
| 4 | 14.450 | 0.029 |
| 5 | 16.604 | 0.029 |
| 6 | 18.592 | 0.027 |
| 7 | 20.347 | 0.026 |
| 8 | 22.008 | 0.019 |
| 9 | 23.523 | 0.011 |
| 10 | 25.018 | 0.000 |

Label Marking



Part Number Table

| Description | Part Number |
|---------------------------|----------------|
| Axial Fan, 80mm×80mm×25mm | MP-EC8025M12EA |

Dimensions : Millimetres (Inches)

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