

Axial Fan

80mm×80mm×25mm

multicomp PRO



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

**RoHS
Compliant**

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-anichioic 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

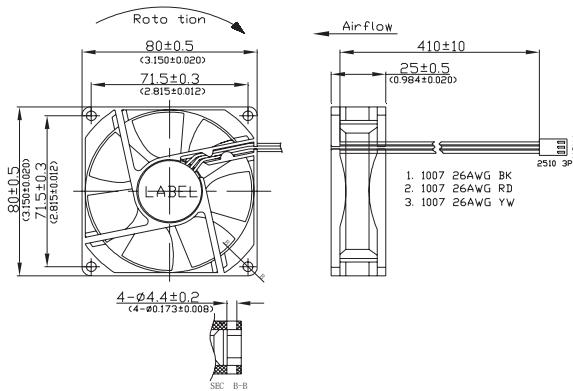
Operation Temperature	: -10°C to +70°C / 66%(RH), high / low temperature test for 24 hours, temperature change: 30°C /hours.
Storage Temperature	: -40°C to +70°C/66%(RH), high / low temperature test for 24 hours, temperature change: 30°C /hours.

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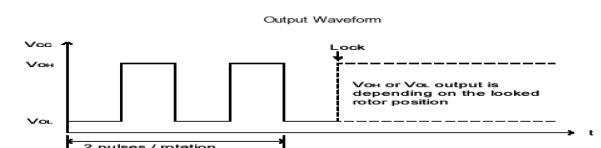
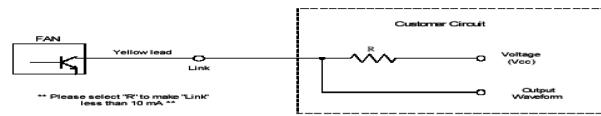
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Outline Dimension

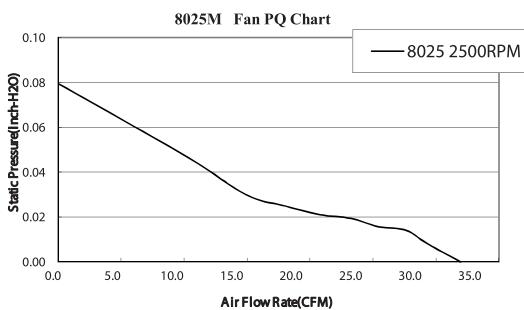


Sensor Circuit System

Speed Sensor / Tachometer (FG/F)



P/Q Performance



	Q(cfm)	Ps (InchH2O)
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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