

RoHS
Compliant



Specification

Rated Voltage	: 12V DC
Operating Voltage	: 4.5V DC to 13.8V DC
Starting Voltage	: 4.5V DC (Power On/Off At 25°C)
Rated Current (Avg.)	: 0.09 / Max. 0.104A
Rated Power (Avg.)	: 1.08 / Max. 1.25W
Safety Power Consumption	: 1.46W
Rated Speed	: 2700 rpm $\pm$ 10% In Free Air At Rated Voltage
Airflow At Zero Static Pressure	: Nominal 45 / Min. 44.4 CFM
Static Pressure At Zero Airflow	: Nominal 0.15 / Min. 0.11 Inch-H ₂ O
Acoustical Noise (Avg.)	: Nominal 32 / Max. 37.9 dB(A)
Insulation Type	: UL Class A
Insulation Resistance	: 10m Ω Min. At 500V DC Between Frame And (+) Terminal
Dielectric Strength)	: 5mA Max. At AC 500V AC 50/60Hz One Minute Between Frame And (+) Terminal
Life Expectancy	: 70,000 Hours At 40°C With 15-65% RH.
Direction Of Rotation	: Counter-Clockwise From Blade Side

Mechanical

Bearing System	: Precise Ball Bearing System
Materials of Frame	: Thermoplastic PBT of UL 94V-0
Materials of Fan Blade	: Thermoplastic PBT of UL 94V-0
Weight	: 92 Grams

Environmental

Operating Temperature Range	: -10°C to +70°C
Storage Temperature Range	: -40°C to +70°C
Operating Humidity Range	: 5 to 90% RH
Storage Humidity Range	: 5 to 95% RH

Protection

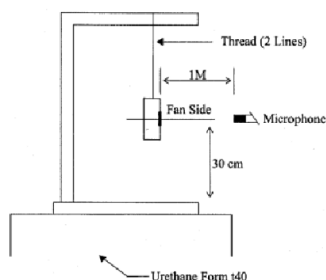
- Automatic Restart

Note: The Motor Will Shut Down When Rotor Was Locked, Then Auto Restart Within 10 Seconds.

- Polarity Protection

Note: Acoustical Noise

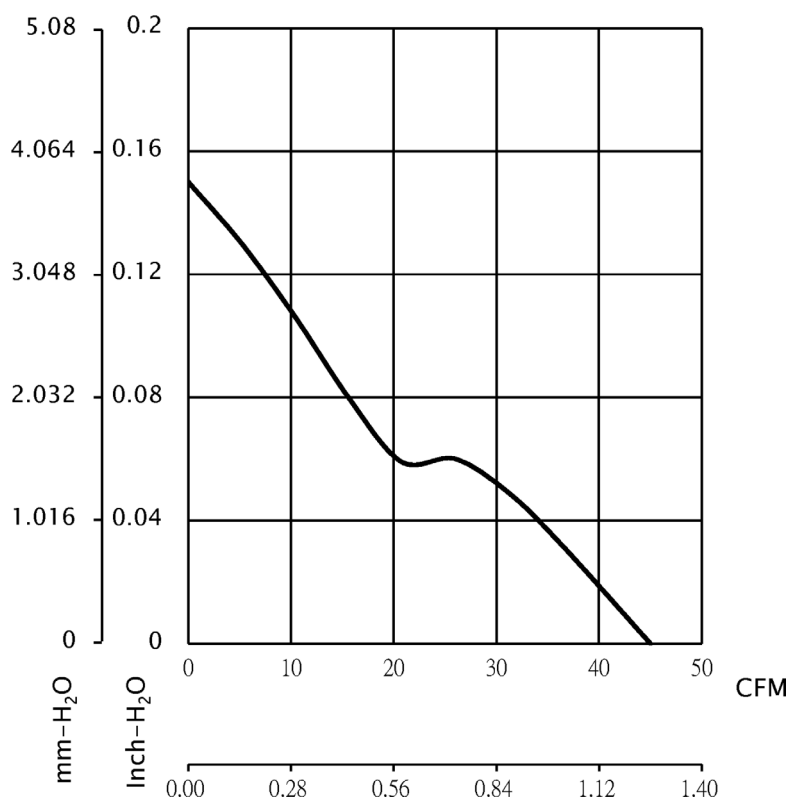
Measured In A Semi-Anechoic Chamber With Background Noise Level Below 15dB(A).



1 Meter From Microphone To Fan Intake

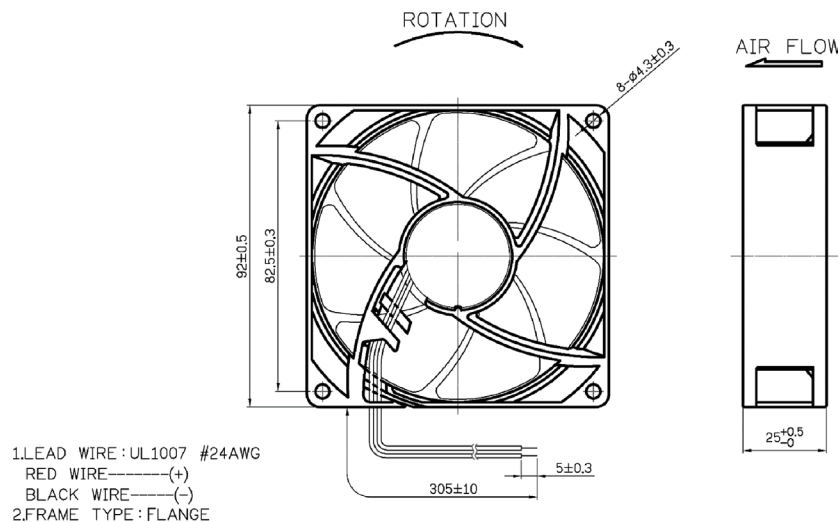
The Fan Is Running In Free Air Under Shaft Horizontal Condition With The Microphone At Distance Of One Meter From The Fan Intake.

Air Flow & Static Pressure Curve



Dimensions

Screw Type (Pan Head)	Torque	Screw Spec.	
		Size	Standard
Machine Screw	3~4 kgf-cm	M4	JISB1111-1974
Self-Tapping Screw	<6 kgf-cm	Φ5	JISB1122 Type 2



Part Number Table

Description	Part Number
DC Axial Fan, Medium Speed, 12V DC, 92mm × 92mm × 25mm	MPEF92251B2-10000-A99

Dimensions : Millimetres

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