

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.)	: 0.071 / Max. 0.082A
Rated Power (Avg.)	: 0.86W / Max. 0.99W
Safety Power Consumption	: 1W
Rated Speed	: 2800 rpm ±15% In Free Air At Rated Voltage
Airflow At Zero Static Pressure	: Nominal 30 / Min. 23.9 CFM
Static Pressure At Zero Airflow	: Nominal 0.11 / Min. 0.09 Inch-H <sub>2</sub> O
Acoustical Noise (Avg.)	: Nominal 26.5/ Max. 30.8 dB(A)
Insulation Type	: UL Class A
Insulation Resistance	: 10m Ω Min. At 500V DC Between Frame And (+) Terminal
Life Expectancy	: 60,000 Hours At 40°C With 15-65% RH.
Direction Of Rotation	: Counter-Clockwise From Blade Side

## Mechanical

Bearing System	: Vapo Ball Bearing System
Materials of Frame	: Thermoplastic PBT of UL 94V-0
Materials of Fan Blade	: Thermoplastic PBT of UL 94V-0
Weight	: 67 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

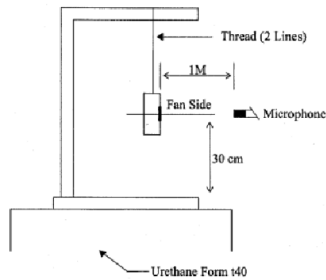
## Protection

- Automatic Restart

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

- Polarity Protection

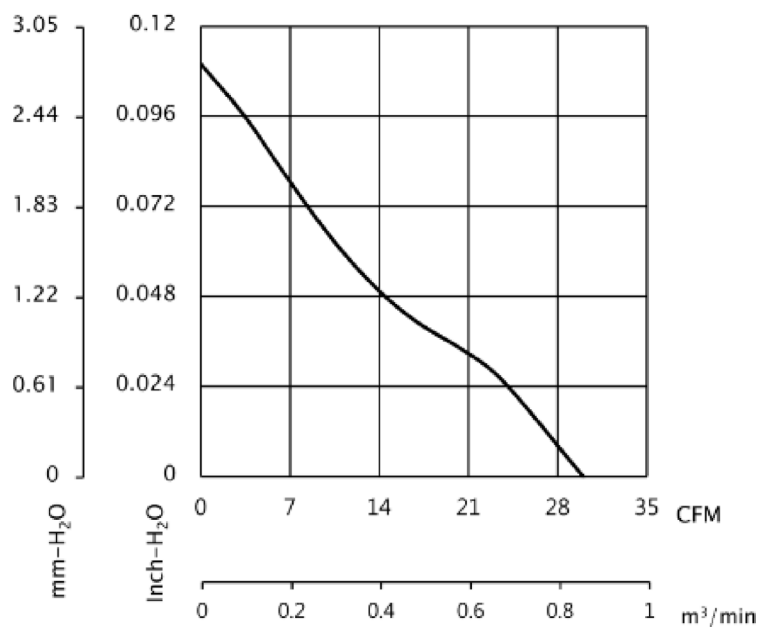
Note: Acoustical Noise  
Measured In A Semi-Anechoic Chamber With Background Noise Level  
Below 15dB(A).



1 Meter From Microphone To Fan Intake

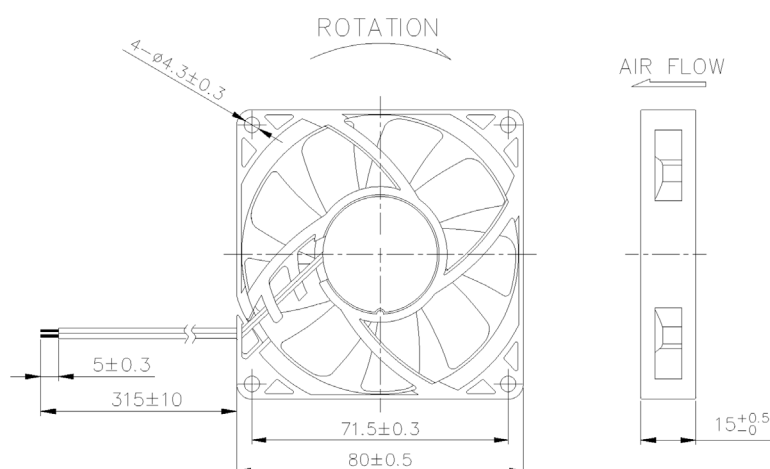
The Fan Is Running In Free Air Under Shaft Horizontal Condition With The Microphone At Distance Of One Meter From The Fan Intake.

## 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	5~6 kgf-cm	Φ5	JISB1122 Type 2



### NOTE:

1. LEAD WIRE: UL1007 #24AWG  
RED WIRE-----(+)  
BLACK WIRE-----(-)
2. FRAME TYPE: RIB

## Part Number Table

Description	Part Number
DC Axial Fan, 12V DC, 80mm × 80mm × 15mm	MPMF80151V3-10000-A99

Dimensions : Millimetres

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