

RoHS
Compliant



Specification

Rated Voltage	: 12V DC
Operating Voltage	: 10.2V DC to 13.2V DC
Starting Voltage	: 10.2V DC (Power On/Off at 25°C)
Rated Current (AVG.)	: 0.51 / MAX. 0.587 A
Rated Power (AVG.)	: 6.12 / MAX. 7.05 W
Safety Power Consumption	: 7.05W
Rated Speed	: 17600 RPM \pm 10% IN Free Air at Rated Voltage
Airflow at Zero Static Pressure	: Nominal 24.9 / MIN. 21.9 CFM
Static Pressure at Zero Airflow	: Nominal 2.05 / MIN. 1.62 inch-H ₂ O
Acoustical Noise (AVG.)	: Nominal 56 / MAX. 63.7 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 50/60 Hz 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	: Precision Ball Bearing System
Materials of Frame	: Thermoplastic PBT of UL 94V-0
Materials of Fan Blade	: Thermoplastic PBT of UL 94V-0
Weight	: 42 Grams

Environmental

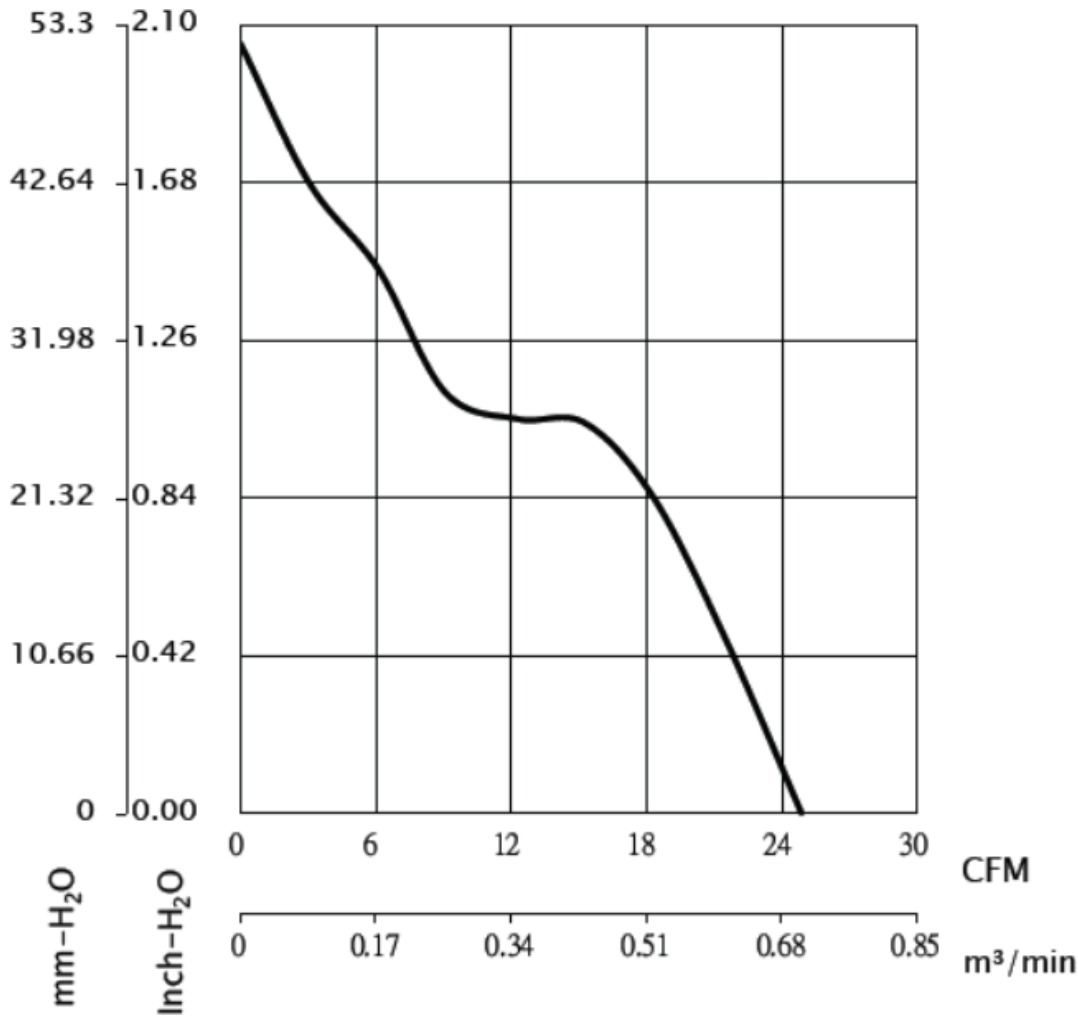
Operating Temperature Range	: -10°C to +70°C
Storage Temperature Range	: -40°C to +70°C
Operating Humidity Range	: 5 to 90% RH
Storage Humidity Range	: 5 to 95% RH

Protection

- Automatic Restart
- Polarity Protection

Note: The Motor will shut down when rotor was locked, then auto restart within 10 seconds.

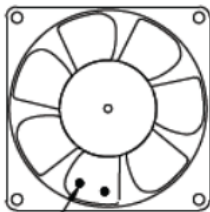
Air Flow & Static Pressure Curve



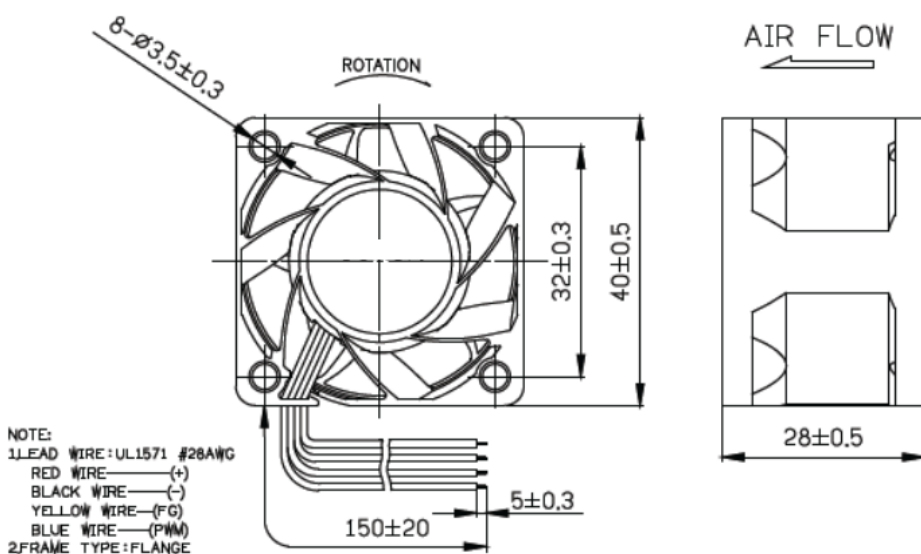
Dimensions

Screw Type (Pan Head)	Torque	Screw Spec.	
		Size	Standard
Machine Screw	1~2 kgf-cm	M3	JISB1111-1974

DC Axial Fan



Note: The glues on the impeller is for impeller balance. Please don't remove it.



Dimensions : Millimetres

Part Number Table

Description	Part Number
DC Axial Fan, 40mm × 28mm, 12V DC	MP-PF40281B1-10000-S9H

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