

DC Axial Fan

60mm×60mm×25mm

multicomp^{PRO}

RoHS
Compliant



Specification

Rated Voltage	: 24V DC
Operating Voltage	: 10V DC to 27.6V DC
Starting Voltage	: 10V DC (Power On/Off at 25°C)
Rated Current (Avg.)	: 0.107 / Max. 0.124A
Rated Power (Avg.)	: 2.57W / Max. 2.98W
Safety Power Consumption	: 3W
Rated Speed	: 7500 rpm ±15% in Free Air at Rated Voltage
Airflow At Zero Static Pressure	: Nominal 36 / Min. 25.3 CFM
Static Pressure At Zero Airflow	: Nominal 0.56 / Min. 0.44 Inch-H ₂ O
Acoustical Noise (Avg.)	: Nominal 41.7 / Max. 46.8 dB(A)
Insulation Type	: UL Class A
Insulation Resistance	: 10mΩ Min. At 500V DC 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	: 65 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

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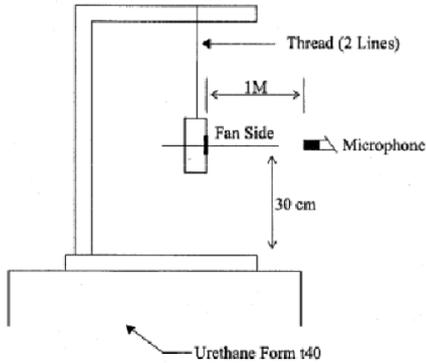
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Note: Acoustical Noise

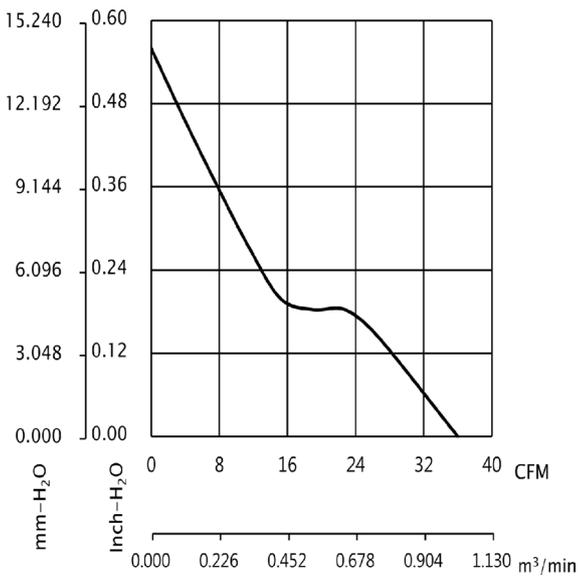
Measured In A Semi-Anechoic Chamber With Background Noise Level Below 15dB(A).



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	Ø5	JISB1122 Type 2

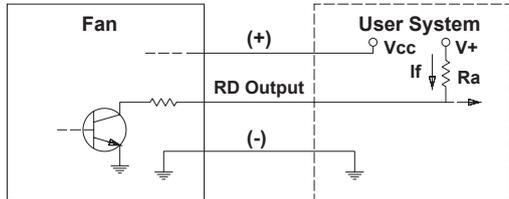
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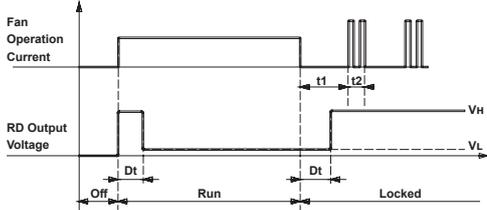
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Rotation Detector (RD) Signal



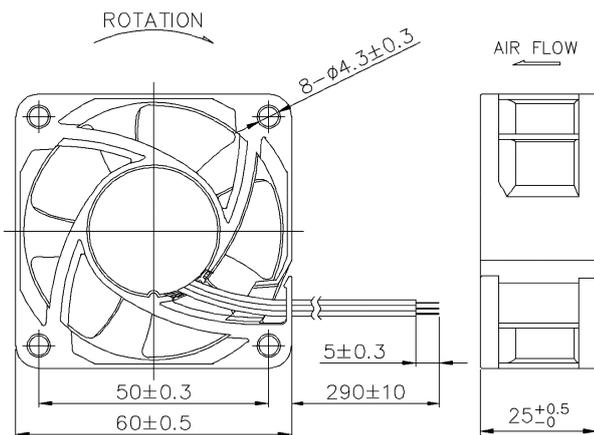
$*Ra \geq V^+ / If \text{ (max)}$



Electrical Characteristics: (at Ta = 25°C Vcc =Rated Volt.)

Parameter	Ratings			Unit
	Min.	Typ.	Max.	
RD Supply Voltage(V ⁺)	-	-	27.6	V
RD Output Current (If)	-	-	5	mA
RD Output (VL)	-	-	0.8	V
RD Output (VH)	-	V ⁺	-	V
RD Output Delay Time (Dt)	-	1	-	Second
Ratio(=t1/t2)	-	12	-	-

Diagram



NOTE:
 1.LEAD WIRE: UL1007 #26AWG
 RED WIRE-----(+)
 BLACK WIRE-----(-)
 WHITE WIRE----- (RD)
 2.FRAME TYPE: FLANGE

Part Number Table

Description	Part Number
DC Axial Fan, High Speed, 24V DC, 60mm × 60mm × 25mm	MPPF60252B1-10000-F99

Dimensions : Millimetres

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