

# DC Brushless Fan



RoHS  
Compliant



## Mechanical Characteristic

Motor Design	2 phases, 4-poles Brushless DC motor
Bearing System	Lubricated sleeve bearing system
Dimensions	80mm × 80mm × 25mm
Materials of Frame	Thermoplastic PBT of UL 94V-0
Materials of Fan Blade	Thermoplastic PBT of UL 94v-0
Direction of Rotation	Counter-clockwise viewed from front of fan blade
Mounting Holes	Diameter 4.3mm in 8 holes
Weight	75g

## Electric Characteristic

Rated Voltage	24V DC
Rated Current	49mA
Rated Power Consumption	1.2 Watts
Operating Voltage Range	10V DC to 27.6V DC
Starting Voltage	10V DC (25°C Power On/Off)
Operating Temperature Range	-10°C to + 70°C
Storage Temperature Range	-40°C to + 70°C

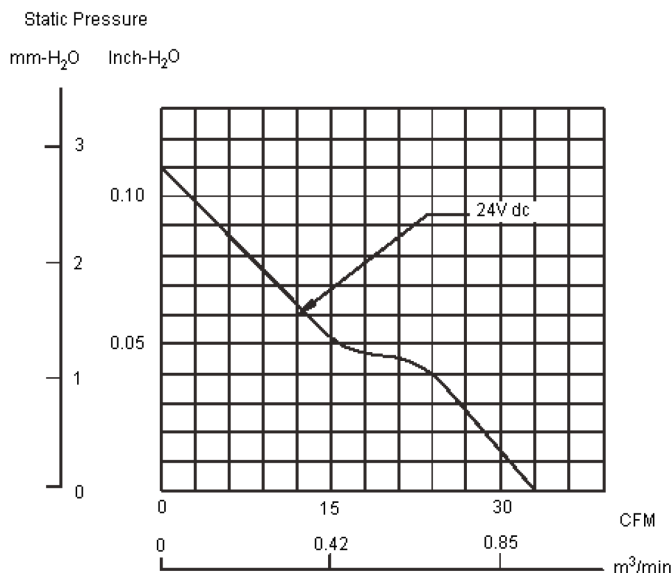
## Performance Characteristic

Rated Speed	2,600 RPM ±10% at rated voltage
Air Flow	33 CFM
Static Pressure	0.11 Inch-H <sub>2</sub> O
Acoustic Noise	28 dB(A)
Insulation Resistance Plastic Housing	10Ω at 500V DC between internal stator and lead wire (+)
Dielectric Strength	Applied 500V AC for one minute or 600V AC for 2 seconds between housing and lead wire (+)
Life Expectancy	50,000 Hours at 40°C, 65% humidity, 90% CL
Protection	Automatic Restart Note: In a situation where the fan is locked by an external force while the electricity is on, an increase in coil temperature will be prevented by temporarily turning off the electrical power to the motor. The fan will automatically restart when the locked rotor condition is released

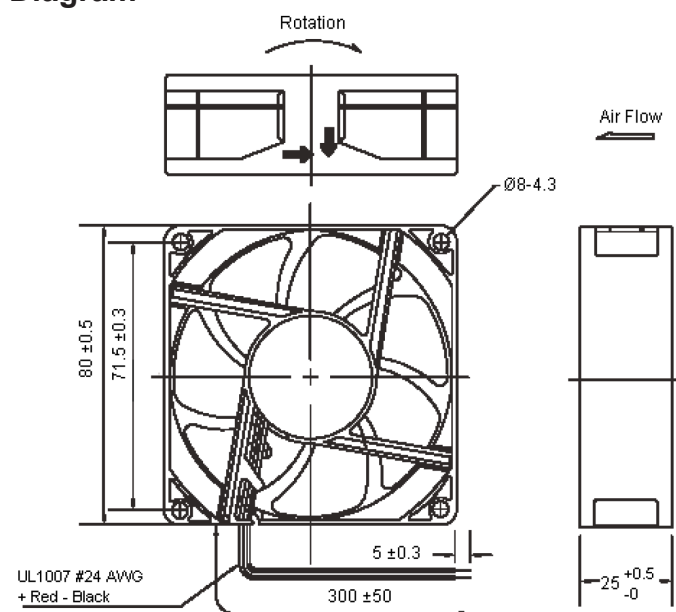
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## Performance Curves



## Diagram



Dimensions : Millimetres

## Part Number Table

Description	Part Number
DC Brushless Fan	MC32896

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