

# DC Axial Fan

## Specifications:



Mechanical Characteristic	
Motor design	Single phase, 4-poles Brushless DC motor
Bearing system	Vapo Bearing System
Dimensions	80mm × 80mm × 20mm
Materials of frame	Thermoplastic PBT
Materials of fan blade	Thermoplastic PBT
Direction of rotation	Counter-clockwise viewed from front of fan blade
Mounting holes	Diameter 4.3mm in 8 holes
Weight	85g

Electric Characteristic	
Rated voltage	12V DC
Rated current	285mA / Max. 328mA
Rated power consumption	3.42 Watts / Max. 3.94 Watts
Operating voltage range	6V DC to 12.6V DC
Starting voltage	6V DC (25°C power on/off)
Operating temperature range	-10°C to +70°C
Storage temperature range	-40°C to +70°C

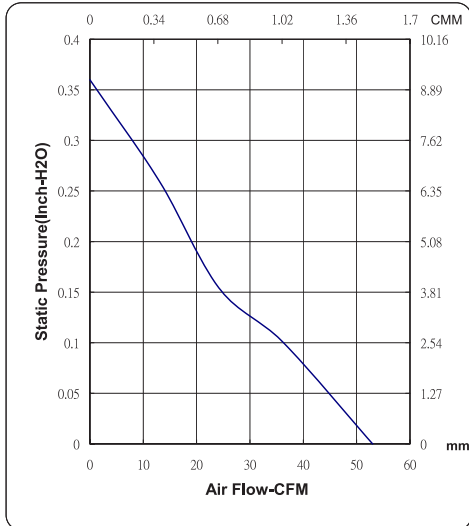
Performance Characteristic	
Rated speed	4,600 RPM ±10% at rated voltage
Air flow	53CFM
Static pressure	0.36"-H <sub>2</sub> O
Acoustic noise	48dB(A)
Insulation resistance plastic housing	10MΩ at 500V DC between internal stator and lead wire(+)
Dielectric strength	Applied AC 500V for one minute or AC 600V for 2 seconds between housing and lead wire (+)
Life expectancy	70,000 Hours at 40°C, 65% Humidity, 90% CL.
Protection	*Automatic Restart
	Polarity Protection

\*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.

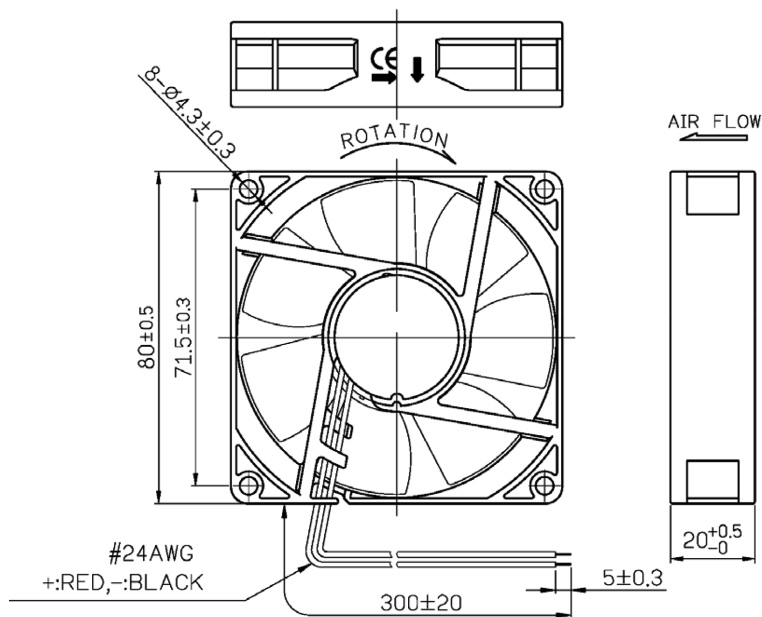
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## Performance Curves



## Dimensions



## Part Number Table

Description	Part Number
DC Axial Fan	MC36372

