

# Motor Fan



## Specifications

### Mechanical Characteristic

Motor Design	: Single phase, 8-poles Brushless DC motor
Bearing System	: Vapo Bearing System
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	: 2.5mm in 3 Holes
Weight	: 5.5 g

### Electric Characteristic

Rated Voltage	: 5V DC
Rated Current	: 155mA / Max. 179mA
Rated Power Consumption	: 0.78W / Max. 0.90W
Operating Voltage Range	: 2.5V DC to 6V DC
Starting Voltage	: 2.5V DC (25°C Power ON/OFF)
Operating Temperature Range	: -10°C to + 70°C
Storage Temperature Range	: -40°C to + 70°C

### Performance Characteristic

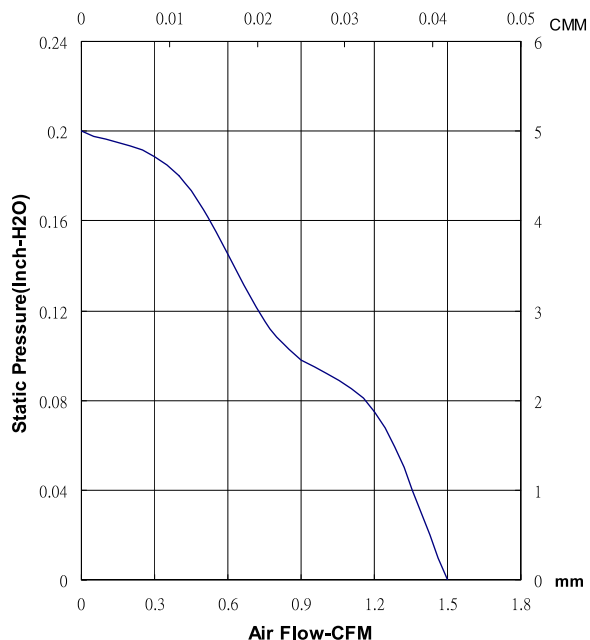
Rated Speed	: 14,000 RPM $\pm$ 20% at rated Voltage
Air Flow	: 1.5 CFM
Static Pressure	: 0.2 Inch - H <sub>2</sub> O
Acoustic Noise	: 20dB (A)
Insulation Class	: UL Class A
Insulation Resistance	: 500M $\Omega$ at 500V DC between internal stator and lead wire (+)
Plastic Housing	
Dielectric Strength	: Applied AC 500V for one minute or AC 600V for 2 Seconds between housing and lead wire (+)
Life Expectancy	: 60,000 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.

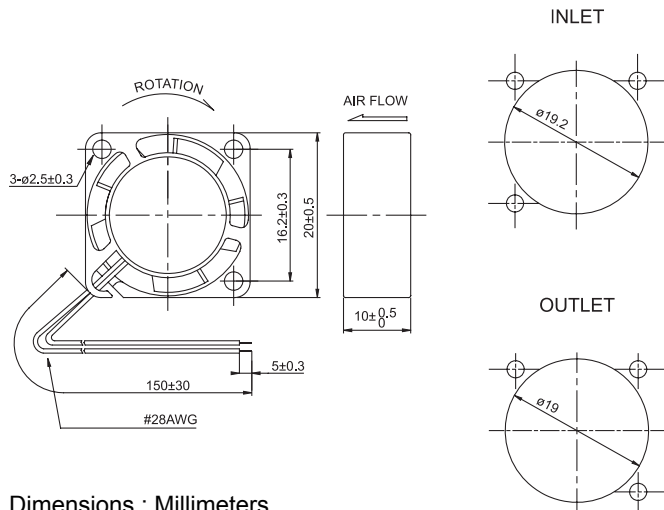
# Motor Fan



## Performance Curves



## Dimensions



Dimensions : Millimeters

## Part Number Table

Description	Part Number
Motor Fan, 20mm × 20mm × 10mm	MC33873

