

# Tubeaxial Fan

## 40mm × 40mm × 20mm



RoHS  
Compliant



### Mechanical Characteristics

Motor Design	: 2 Phases, 4-poles Brushless DC motor
Bearing System	: Vapo Bearing System
Dimensions	: 40mm × 40mm × 20mm
Materials of Frame	: Thermoplastic PBT of UL94V-0
Materials of Fan Blade	: Thermoplastic PBT of UL94V-0
Direction of Rotation	: Counter-clockwise viewed from front of fan blade
Mounting Holes	: Diameter 4.3mm in 4 holes
Weight	: 31g

### Electric Characteristic

Rated Voltage	: 24V DC
Rated Current	: 50mA/ Max. 58mA
Rated Power Consumption	: 1.2 Watts / Max. 1.4 Watts
Operating Voltage Range	: 8 ~ 27.6V DC
Starting Voltage	: 8V DC (25°C Power ON/OFF)
Operating Temperature	: -10°C to +70°C
Storage Temperature	: -40°C to +70°C

### Performance Characteristic

Rated Speed	: 7200RPM ±15% at rated voltage
Air Flow	: 8.9CFM
Static Pressure	: 0.21 Inch-H2O
Acoustic Noise	: 25.5dB(A)
Insulation Class	: UL Class A
Insulation Resistance	
Plastic Housing	: 500MΩ 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	: 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

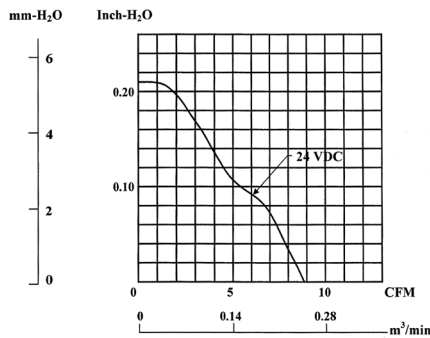
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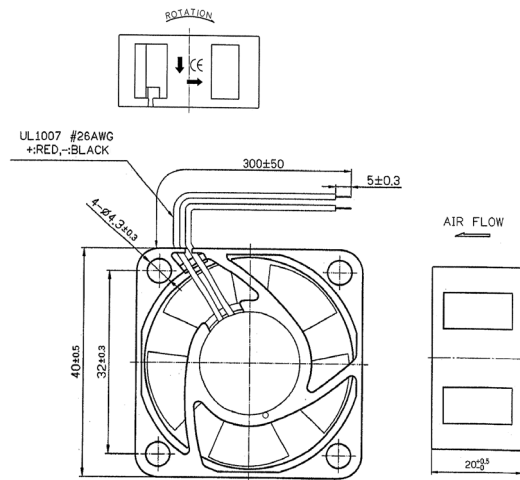


### Performance Curves

#### Static Pressure



### Dimensions



Dimensions : Millimetres

### Part Number Table

Description	Part Number
Tubeaxial Fan, Brushless Motor, 40mm <sup>2</sup> , Vapo Bearing, 24V DC, 8.9CFM, 25.5dBA	MC21681

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