# Axial Fan for Raspberry Pi 4 Power Hat Case







### **Mechanical Characteristic**

Motor Design : Single phase, 4-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 3.2mm in 3 holes

Weight : 6g

### **Electric Characteristic**

Rated Voltage : 5V DC

Rated Current : 112mA / Max. 124mA
Rated Power Consumption : 0.56 Watts / Max. 0.62 Watts

Safety Power Consumption : 0.72 Watts

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 : 9100 RPM ±15% at rated voltage

Air Flow : 4.9 CFM

Static Pressure : 0.17 Inch - H<sub>2</sub>O / Min. 0.14 Inch - H<sub>2</sub>O

Acoustic Noise : 23.6dB(A) / Max. 28.3dB(A)

Insulation Class : UL Class A

Insulation Resistance

Plastic Housing :  $10M\Omega$  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

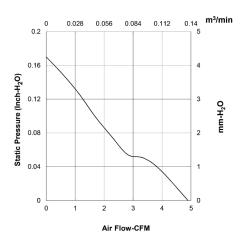
Note: The motor will shut down when rotor was locked, then auto restart within 10 seconds

Polarity Protection

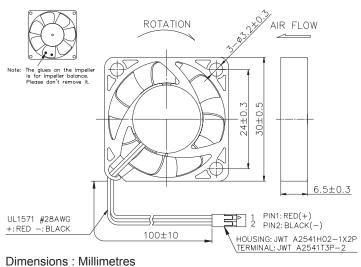
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### **Performance Curves**



## **Diagram**



### **Part Number Table**

Description	Part Number
Axial Fan, Vapo Bearing, 5V for Raspberry Pi 4 Power Hat Case	MP001243

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