

A2175-HBT.TC.GN Sunon 220-240V 172x150x51mm AC Axial Fan

SKU: A2175-HBT.TC.GN

Price: \$18.29

Categories: Fans

Tags: SUNON

Product Link:

<https://www.electspares.com/product/a2175-hbt-tc-gn-sunon-220-240v-172x150x51mm-ac-axial-fan/>

Product Description

The Sunon A2175-HBT.TC.GN is a high-performance 172 mm AC axial fan with a nominal voltage of 220-240 VAC and dimensions of 172 x 150 x 51 mm, engineered for robust thermal management in large-scale industrial enclosures. Powered by a reliable Alveolate motor with a power consumption of 25/26 W, this unit features a heavy-duty dual ball bearing system designed for long-term mechanical stability. The TC designation indicates an integrated thermal cutout protector, providing advanced motor protection by preventing overheating. With a rated speed of up to 3200 RPM, it delivers a massive airflow of 239 CFM and a significant static pressure of 0.69 inH₂O. Constructed with a premium die-cast aluminum frame and UL 94V-0 polycarbonate blades, this 908 g fan provides a dependable and powerful ventilation solution for server racks, industrial power supplies, and telecommunications cabinets at the end.

A2175-HBT.TC.GN Fan Parameters

Model Number: A2175-HBT.TC.GN

Manufacturer: Sunon

Series: Alveolate Series

Type: AC Axial Fan

Size: 172 mm

Dimensions: 172 x 150 x 51 mm

Weight: 908 g

Bearing Type: Ball bearing

Nominal Voltage: 220-240 VAC

Voltage Range: 150 - 250 VAC

Frequency: 50 / 60 Hz

Power Consumption: 25 W (@ 50 Hz) / 26 W (@ 60 Hz)

Nominal Current: 0.11 A (@ 50 Hz) / 0.11 A (@ 60 Hz)
Speed: 2800 RPM (@ 50 Hz) / 3200 RPM (@ 60 Hz)
Max. Air Flow: 62.23 CFM (105.7 m³/h / 1.76 m³/min)
Max. Static Pressure: 9.81 mmH₂O (96.24 Pa / 0.39 inH₂O)
Actual Air Flow: 203 CFM (50 Hz) / 239 CFM (60 Hz)
Actual Static Pressure: 0.62 inH₂O (50 Hz) / 0.69 inH₂O (60 Hz)
Sound Pressure Level: 51 dB(A) (@ 50 Hz) / 58 dB(A) (@ 60 Hz)
Motor Design: Alveolate motor
Motor Protection: Thermal cutout (TC); Automatic restart
Insulation Resistance: 500 Megohms minimum at 500 VDC
Dielectric Strength: 1800 VAC for one second
Electrical Hookup: 2 Terminals (T)
Number of Blades: 5
Direction of Rotation: Clockwise, viewed from front of fan blade
Airflow Direction: Toward label side
Impeller Material: PC (UL 94V-0)
Housing Material: Die-cast aluminum
Installation Position: Any
Degree of Protection: IP20
Operating Temperature: -10 - +70 °C
Storage Temperature: -40 - +70 °C
Service Life (L10 @ 40 °C): 50000 h
Standard Compliance: RoHS; UL/CUR/TUV/CE/UKCA
Approval Agency: UL, TUV, CUR

Application

The Sunon A2175-HBT.TC.GN AC fan is primarily utilized in industrial equipment cabinets, large power supply units, telecommunications base stations, and commercial ventilation systems.

Product Images









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