

A2259-HBT.TC.GN SUNON 230VAC 254x89mm Axial Fan Datasheet



Brand: SUNON

SKU: 740022649178

Category: Axial & Centrifugal Fans

Price: \$84.99

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Product Page: <https://www.equipspares.com/product/a2259-hbt-tc-gn-sunon-230vac-254x89mm-axial-fan>

Product Description

SUNON A2259-HBT.TC.GN is a 230VAC 254x89mm Axial Fan optimized for high-capacity thermal management in industrial enclosures. This AC-powered unit features a robust ball bearing architecture and an Alveolate motor design to minimize thermal impedance and ensure structural rigidity under continuous operation. Engineered for heavy-duty cooling, it delivers a rated speed of up to 2100 RPM and consumes 60 W of power, making it ideal for overcoming high static pressure in dense environments. The integrated thermal cutoff (TC) provides an essential safety layer against overheating, ensuring long-term reliability in mission-critical systems requiring consistent airflow and heat dissipation.

Model Number: A2259-HBT.TC.GN

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Product Type: AC Axial Fan

Rated Voltage: 230 VDC

Voltage Range: 220.0 - 240.0 VAC

Frequency: 50/60 Hz

Rated Current: 0.24 / 0.23 A

Power: 56 / 60 W

Rated Speed: 1900 / 2100 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 600.0 CFM (1019.4 m³/h / 16.99 m³/min)

Max. Static Pressure: 14.0 mmH₂O (137.3 Pa / 0.55 inH₂O)

Dimensions: 254 x 254 x 89 mm

Weight: 2000 g

Life Expectancy: 50000 hours

Noise Level: 50 / 52 dB(A)

Housing Material: Die-Cast Aluminum

Blade Material: Thermoplastic PBT (UL94V-0)

Termination: Terminals

Protection: Thermal Cutoff

Operating Temperature: -10 to +70 °C

Insulation Class: Class B

Certifications: UL, TUV, CE

A2259-HBT.TC.GN Applications

1. Industrial Control Cabinets: High-volume airflow effectively manages the thermal load of VFDs and PLCs in large-scale automation panels.
2. Server Room Ventilation: Ideal as a replacement fan for exhaust systems in high-density rack environments where overcoming system impedance is critical.
3. Commercial Refrigeration: The robust aluminum construction and thermal protection provide reliability in condenser cooling applications.

Supplemental Images

