

YY17251H48B SNOWFAN 48VDC 0.85A 172x150x51mm Axial Fan Datasheet



Brand: SNOWFAN

SKU: [1006100752416](#)

Category: Axial & Centrifugal Fans

Price: **\$17.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/yy17251h48b-snowfan-48vdc-0-85a-172x150x51mm-axial-fan>

Product Description

The SNOWFAN YY17251H48B is a high-performance DC Axial Fan engineered for critical thermal management in industrial automation and power electronics. Utilizing advanced DC brushless motor technology paired with a robust Dual Ball Bearing architecture, this unit ensures exceptional longevity and operational stability under continuous load. The aerodynamic impeller design is optimized to minimize turbulence while maximizing static pressure, making it ideal for high-impedance airflow paths. Constructed with a die-cast aluminum frame, the YY17251H48B offers superior structural rigidity and effective heat dissipation, significantly lowering the thermal impedance of the system it cools. This model is specifically calibrated for demanding applications requiring reliable forced convection cooling.

Model Number: YY17251H48B

Brand: SNOWFAN (Yongyihao)

Product Type: DC Axial Fan

Rated Voltage: 48V DC

Voltage Range: 28.0 - 56.0 VDC

Rated Current: 0.85 A

Power Consumption: 40.8 W

Rated Speed: 4500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 235.0 CFM (399.2 m³/h)

Max. Static Pressure: 22.5 mmH₂O (220 Pa / 0.88 inH₂O)

Dimensions: 172mm x 150mm x 51mm (Oval Frame)

Weight: 780 g

Noise Level: 58.0 dBA

Frame Material: Aluminum Die-Cast

Impeller Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 50,000 Hours at 40°C

Termination: Lead Wires

Motor Protection: Impedance Protected, Reverse Polarity Protection

Ingress Protection: IP20

Application: Inovance Inverter Replacement, Cabinet Cooling

The YY17251H48B is extensively utilized in industrial power conversion systems, specifically serving as a direct replacement component for Inovance frequency inverters and variable frequency drives (VFDs). Its high static pressure capabilities make the YY17251H48B equally suitable for densely populated server racks, telecommunications cabinets, and CNC control panels where overcoming system resistance is paramount for maintaining optimal operating temperatures.

Supplemental Images

