THB1724BG-ZST Delta 24VDC 172x51mm 8.40A Axial Fan Datasheet

Brand: Delta

SKU: 1000466079776

Category: Axial & Centrifugal Fans

Price: **$344.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/thb1724bg-zst-delta-24vdc-172x51mm-8-40a-axial-fan

Product Description

The Delta THB1724BG-ZST is a high-capacity DC axial fan engineered for critical thermal management in industrial power electronics. Featuring a robust brushless DC motor and a precision dual ball bearing architecture, this unit is designed to deliver exceptional static pressure and volumetric airflow under high-impedance conditions. The aerodynamic impeller geometry is optimized to reduce turbulence while maintaining structural rigidity at high rotational speeds, ensuring consistent cooling performance. With a significant power rating, this fan effectively lowers thermal impedance in high-density enclosures, providing reliable operation for mission-critical hardware.

Model Number: THB1724BG-ZST
Brand: Delta Electronics
Product Type: DC Axial Fan
Rated Voltage: 24 VDC
Operating Voltage Range: 18.0 - 27.6 VDC
Rated Current: 8.40 A
Input Power: 201.6 W
Dimensions: 172 mm x 51 mm
Bearing Type: Ball Bearing
Max. Air Flow: 530.0 CFM (900.5 m^3/h)

Max. Static Pressure: 1.45 inH_2O (361 Pa)
Speed: 6000 RPM
Noise Level: 72.0 dB-A
Frame Material: Aluminum Die-Cast
Blade Material: Thermoplastic UL94V-0
Ingress Protection: IP55
Termination: 4-Wire Leads
Operating Temperature: -10°C to +70°C
Life Expectancy: 70,000 Hours (40°C)
Target Application: ABB ACS880 R9 Inverter

The THB1724BG-ZST is primarily utilized in high-power industrial drive systems, specifically serving as the dedicated cooling solution for the ABB ACS880 R9 variable frequency drives. Beyond this specific application, the THB1724BG-ZST is suitable for cooling large-scale server racks, renewable energy inverters, and heavy-duty telecommunications equipment where rapid heat dissipation is required to prevent thermal throttling. Its high-pressure capabilities make it ideal for forcing air through dense component arrays in CNC machinery and power conversion modules.

Supplemental Images