

EFB1548XHG-5L58 Delta 48VDC 1.65A 172x150x51mm Axial Fan Datasheet



Brand: Delta

SKU: [920732380183](#)

Category: Axial & Centrifugal Fans

Price: **\$29.99**

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Product Page:

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Product Description

The Delta EFB1548XHG-5L58 is a robust DC Axial Fan engineered for critical thermal management in high-impedance environments. Utilizing advanced brushless DC motor technology and a precision dual ball bearing architecture, this unit ensures exceptional longevity and rotational stability under continuous load. The aerodynamic design features a die-cast aluminum frame coupled with a UL94V-0 reinforced plastic impeller, optimizing static pressure delivery while maintaining structural rigidity. Designed for heavy-duty applications, the fan effectively mitigates thermal buildup through efficient airflow dynamics. Its construction minimizes vibration and thermal impedance, making it a reliable solution for industrial systems requiring sustained high-performance cooling.

Model Number: EFB1548XHG-5L58

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 48 VDC

Voltage Range: 28.0 - 56.0 VDC

Rated Current: 1.65 A

Power Consumption: 79.2 W

Rated Speed: 4300 RPM

Bearing Type: Maintenance-Free Dual Ball Bearing

Max. Air Flow: 325.0 CFM (552.1 m³/h / 9.20 m³/min)

Max. Static Pressure: 26.5 mmH₂O (260 Pa / 1.04 inH₂O)

Dimensions: 172mm x 150mm x 51mm

Weight: 840 g

Frame Material: Die-Cast Aluminum

Impeller Material: Thermoplastic PBT (UL94V-0)

Noise Level: 63.0 dB-A

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Life Expectancy: 70,000 Hours at 40°C

Ingress Protection: IP55 (Optional)

Termination: Lead Wires

Safety Certifications: UL, cUL, TUV, CE

Motor Protection: Polarity Protection, Locked Rotor Protection

The EFB1548XHG-5L58 is specifically calibrated for high-density electronic enclosures where reliable heat dissipation is paramount. Common deployment scenarios include enterprise server racks, telecommunications base stations, and industrial automation control panels. The high static pressure capabilities of the EFB1548XHG-5L58 make it ideal for forcing air through tightly packed components and restrictive filters in CNC machinery and power supply units, ensuring operational stability in demanding thermal environments.

Supplemental Images

