EFC1748DG Delta 48VDC 1.84A 172x172x51mm Axial Fan Datasheet

Brand: Delta

SKU: 995141906245

Category: Axial & Centrifugal Fans

Price: **$37.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/efc1748dg-delta-48vdc-1-84a-172x172x51mm-axial-fan

Product Description

Delta EFC1748DG is a 48VDC 172x172x51mm Axial Fan optimized for high-density thermal management in industrial environments with extreme system impedance. This heavy-duty cooling solution features a sophisticated dual ball bearing architecture and a high-torque DC motor designed for continuous operation at 1.84A. The aerodynamic impeller is engineered for maximum structural rigidity to maintain stability at high RPMs, effectively reducing thermal impedance in restricted airflow paths. Delivering 110.4W of cooling power, this unit integrates 4-wire PWM speed control for precise thermal regulation, ensuring optimal efficiency in variable frequency drive (VFD) systems and large-scale server deployments.

Model Number: EFC1748DG
Brand: Delta Electronics
Product Type: Axial Fan
Rated Voltage: 48 VDC
Voltage Range: 36.0 - 60.0 VDC
Rated Current: 1.84 A
Power: 110.4 W
Rated Speed: 5500 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 440.9 CFM (12.48 m^3/min)

Max. Static Pressure: 35.8 mmH_2O (351.1 Pa)
Dimensions: 172 x 172 x 51 mm
Weight: 820 g
Life Expectancy: 70,000 Hours at 40°C
Speed Control: PWM Control / Tachometer Output
Termination: 4-Wire Lead Wires
Housing Material: Aluminum Die-Cast
Blade Material: Plastic (UL94V-0)
Operating Temperature: -10 to +70 °C
Storage Temperature: -40 to +75 °C
Protection Features: Locked Rotor Protection, Reverse Polarity Protection

EFC1748DG Applications

1. Industrial VFD Control Cabinets: High static pressure capability allows this replacement fan to overcome the dense internal resistance of high-power frequency converters.
2. 5G Telecom Base Stations: The 48VDC architecture and dual ball bearing longevity provide reliable heat dissipation for outdoor ruggedized enclosures.
3. High-Performance Computing Racks: Ideal for 4U and larger chassis requiring massive CFM throughput to prevent thermal throttling in high-density GPU arrays.

Supplemental Images