GFM0848DU-00V03 Delta 48VDC 80x80x76mm Dual Motor Axial Fan Datasheet

Brand: Delta

SKU: 896464959398

Category: Axial & Centrifugal Fans

Price: **$19.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/gfm0848du-00v03-delta-48vdc-80x80x76mm-dual-motor-axial-fan

Product Description

The Delta GFM0848DU-00V03 is a high-performance counter-rotating axial fan designed for mission-critical thermal management in high-impedance systems. Utilizing a sophisticated dual-motor architecture, this unit features contra-rotating blade assemblies that significantly enhance static pressure capabilities while minimizing swirl, thereby optimizing airflow directionality. Engineered with precision ball bearings and a structurally rigid thermoplastic frame, the fan ensures long-term reliability under continuous operation. Its advanced aerodynamic profile reduces thermal impedance in dense server environments, making it an ideal solution for applications requiring substantial volumetric airflow against high back-pressure.

Model Number: GFM0848DU-00V03
Brand: Delta Electronics
Product Type: DC Axial Fan (Counter-Rotating)
Rated Voltage: 48 VDC
Voltage Range: 36.0 - 60.0 VDC
Rated Current: 2.80 A
Power Input: 134.4 W
Rated Speed: 9500 / 9000 RPM (Inlet/Outlet)
Bearing Type: Precision Ball Bearing

Max. Air Flow: 168.3 CFM (285.9 m^3/h / 4.76 m^3/min)
Max. Static Pressure: 3.85 inH_2O (958 Pa / 97.7 mmH_2O)
Dimensions: 80 x 80 x 76 mm
Weight: 430 g
Noise Level: 76.5 dB-A
Frame Material: Plastic (UL 94V-0)
Impeller Material: Plastic (UL 94V-0)
Ingress Protection: IP20
Speed Control: PWM (Pulse Width Modulation)
Signal Output: Tachometer (Frequency Generator)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +75°C
Life Expectancy: 70,000 Hours at 40°C
Termination: 4-Wire Leads
Safety Protection: Locked Rotor, Polarity Protection

The GFM0848DU-00V03 is specifically engineered for high-density computing environments, including 2U server racks and blade chassis where back-pressure is a significant constraint. Its robust counter-rotating design makes it suitable for telecommunications base stations and high-performance networking switches requiring rapid heat dissipation. Additionally, the GFM0848DU-00V03 is utilized in industrial automation equipment and precision medical devices where consistent thermal stability is paramount for component longevity and system reliability.

Supplemental Images