GFB0412SHG-5A55 Delta 12VDC 40x48mm Dual Motor Axial Fan Datasheet

Brand: Delta

SKU: 1000118898123

Category: Axial & Centrifugal Fans

Price: **$26.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/gfb0412shg-5a55-delta-12vdc-40x48mm-dual-motor-axial-fan

Product Description

The Delta GFB0412SHG-5A55 is a high-performance Dual Motor Axial Fan designed for applications requiring exceptional static pressure and airflow density. Engineered with advanced DC brushless motor technology, this unit features a counter-rotating blade configuration that significantly enhances aerodynamic efficiency by straightening the airflow and maximizing pressure generation. The robust frame construction ensures structural rigidity under high-speed operation, while the precision ball bearing system minimizes friction and thermal impedance, ensuring longevity in demanding industrial environments.

Model Number: GFB0412SHG-5A55
Brand: Delta Electronics
Product Type: DC Axial Fan (Dual Motor)
Rated Voltage: 12 VDC
Voltage Range: 7.0 - 13.2 VDC
Rated Current: 1.02 A
Power Input: 12.24 W
Rated Speed: 13000 RPM (Inlet) / 11000 RPM (Outlet)
Bearing Type: Precision Ball Bearing
Max. Air Flow: 26.92 CFM (45.73 m^3/h / 0.76 m^3/min)
Max. Static Pressure: 2.26 inH_2O (57.4 mmH_2O / 562 Pa)

Dimensions: 40 x 40 x 48 mm
Weight: 75 g
Noise Level: 62.5 dB-A
Frame Material: Plastic (UL 94V-0)
Blade Material: Plastic (UL 94V-0)
Ingress Protection: IP20
Operating Temperature: -10 to +70 °C
Storage Temperature: -40 to +75 °C
Life Expectancy: 70,000 Hours at 40°C
Termination: 4-Wire Leads (PWM/Tach)
Safety Protection: Locked Rotor Protection, Polarity Protection

The GFB0412SHG-5A55 is specifically engineered for high-density computing environments where space is constrained but cooling requirements are extreme. Commonly deployed in 1U server racks and blade servers, the GFB0412SHG-5A55 overcomes high system impedance to deliver critical airflow to processors and memory modules. Its high static pressure capabilities also make it suitable for telecommunications equipment, compact power supplies, and specialized industrial machinery requiring forced convection cooling in tight enclosures.

Supplemental Images