

GFM0948HW-02 Delta 48VDC 90x90x76mm Counter-Rotating Fan Datasheet



Brand: Delta

SKU: [872080889482](#)

Category: Axial & Centrifugal Fans

Price: **\$18.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/gfm0948hw-02-delta-48vdc-90x90x76mm-counter-rotating-fan>

Product Description

The Delta GFM0948HW-02 is a high-performance counter-rotating axial fan designed for mission-critical thermal management in high-impedance systems. Engineered with a dual-rotor architecture, this 48VDC unit utilizes contra-rotating blade geometry to rectify airflow and significantly increase static pressure capabilities compared to single-stage counterparts. The robust frame construction ensures structural rigidity under high-speed operation, while the precision ball bearing system minimizes friction and extends operational lifespan. This model is specifically optimized for overcoming high system resistance, delivering exceptional airflow density to lower thermal impedance in dense electronic enclosures.

Model Number: GFM0948HW-02

Brand: Delta Electronics

Product Type: DC Axial Fan (Counter-Rotating)

Rated Voltage: 48 VDC

Voltage Range: 36.0 - 56.0 VDC

Rated Current: 5.00 A

Power Consumption: 240.0 W

Dimensions: 90 x 90 x 76 mm

Bearing Type: Precision Ball Bearing

Max. Air Flow: 260.5 CFM (442.6 m³/h)

Max. Static Pressure: 55.4 mmH₂O (543 Pa)
Rotational Speed: 11000 RPM (Inlet) / 10500 RPM (Outlet)
Noise Level: 78.5 dB-A
Housing Material: PBT Plastic (UL94V-0)
Blade Material: PBT Plastic (UL94V-0)
Termination: Lead Wires
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +75°C
Life Expectancy: 70,000 Hours at 40°C
Ingress Protection: IP20
Safety Certifications: UL, cUL, TUV, CE
Motor Protection: Locked Rotor Protection, Polarity Protection
Speed Control: PWM / Tachometer Output
Weight: 450 g

The GFM0948HW-02 is engineered for environments requiring substantial static pressure to penetrate dense component arrays. Common applications include high-density server racks, telecommunications base stations, and industrial automation equipment where restricted airflow paths demand forceful air movement. The GFM0948HW-02 excels in cooling high-wattage power supplies and specialized computing clusters, ensuring reliability in continuous-duty cycles within data centers and network infrastructure.

Supplemental Images

