

GFM0412SS-08-FX8 Delta 12VDC 40x40x56mm Dual Rotor Axial Fan Datasheet



Brand: Delta

SKU: 953859294694

Category: Axial & Centrifugal Fans

Price: \$17.99

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Product Page:

<https://www.equipspares.com/product/gfm0412ss-08-fx8-delta-12vdc-40x40x56mm-dual-rotor-axial-fan>

Product Description

The Delta GFM0412SS-08-FX8 is a high-performance counter-rotating DC axial fan engineered for applications requiring extreme static pressure and volumetric airflow. Utilizing advanced brushless DC motor technology with a dual-rotor architecture, this unit maximizes aerodynamic efficiency by straightening the airflow path and overcoming high system impedance. The robust frame houses precision dual ball bearings, ensuring structural rigidity and prolonged operational stability under high-speed conditions. Designed for thermal management in dense environments, the GFM0412SS-08-FX8 delivers exceptional cooling performance while maintaining reliability in demanding industrial and agricultural setups.

Model Number: GFM0412SS-08-FX8

Brand: Delta Electronics

Product Type: DC Axial Fan (Counter-Rotating)

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 4.50 A

Power: 54.0 W

Rated Speed: 19500 RPM (Inlet) / 17500 RPM (Outlet)

Bearing Type: Dual Ball Bearing

Max. Air Flow: 32.5 CFM (55.2 m³/h / 0.92 m³/min)

Max. Static Pressure: 3.50 inH₂O (871 Pa / 88.9 mmH₂O)

Dimensions: 40x40x56mm

Weight: 85 g

Life Expectancy: 70000 hrs at 40°C

Speed Control: PWM / Tachometer Output

Housing Material: PBT Plastic (UL94V-0)

Blade Material: PBT Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Termination: Lead Wires with Connector

Ingress Protection: IP55

Safety Protection: Locked Rotor Protection; Reverse Polarity Protection

Mounting Orientation: Any

The GFM0412SS-08-FX8 is specifically optimized for high-impedance airflow scenarios, making it an ideal solution for agricultural drone spreaders like the XAG series where compact, high-thrust cooling is mandatory. Beyond agricultural robotics, the GFM0412SS-08-FX8 is frequently deployed in 1U server racks, high-density telecommunications equipment, and precision CNC machinery requiring forced convection in confined spaces. Its dual-motor design ensures that critical components remain within safe thermal operating limits even during peak load operations.

Supplemental Images

