

GFM0612ES-03 Delta 12VDC 60x60x56mm 11A Dual Rotor Axial Fan Datasheet



Brand: Delta

SKU: 900327191765

Category: Axial & Centrifugal Fans

Price: \$16.99

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Product Page:

<https://www.equipspares.com/product/gfm0612es-03-delta-12vdc-60x60x56mm-11a-dual-rotor-axial-fan>

Product Description

The Delta GFM0612ES-03 is a specialized counter-rotating axial fan module designed for extreme static pressure requirements and high-impedance airflow environments. Integrating two independent motors within a single 60x60x56mm frame, this unit utilizes advanced DC brushless motor technology to drive contra-rotating impellers, significantly mitigating air turbulence and maximizing flow efficiency. The aerodynamic design features a high-density blade configuration optimized for overcoming substantial system resistance. Engineered with precision dual ball bearings, the GFM0612ES-03 ensures structural rigidity and thermal stability under high-load operations, making it a critical component for thermal management in high-density electronic enclosures requiring rapid heat dissipation and sustained reliability.

Model Number: GFM0612ES-03

Brand: Delta Electronics

Product Type: Counter-Rotating Axial Fan

Rated Voltage: 12VDC

Operating Voltage Range: 10.5 - 13.2 VDC

Rated Current: 11.0 A

Power Consumption: 132.0 W

Rated Speed (Front): 24000 RPM \pm 10%

Rated Speed (Rear): 22000 RPM \pm 10%

Bearing Type: Dual Ball Bearing

Dimensions: 60 x 60 x 56 mm

Speed Control: PWM (Pulse Width Modulation)

Wire Configuration: 4-Wire (Red/Orange: +12V, Black/Brown: GND, Blue/Green: PWM)

Motor Architecture: Dual DC Brushless Motors

Aerodynamic Design: Contra-Rotating Impellers

Housing Material: Reinforced Plastic (UL94V-0)

Impeller Material: Reinforced Plastic (UL94V-0)

Mounting Orientation: Any

Termination: Lead Wires

The GFM0612ES-03 is engineered for mission-critical environments where standard cooling solutions fail to penetrate high-density component clusters. Primarily utilized in enterprise-grade server racks and blade chassis, this unit provides the necessary static pressure to force air through tightly packed heatsinks and drive cages. Additionally, the GFM0612ES-03 is frequently adapted for DIY electric supercharger projects and CNC spindle cooling due to its immense airflow capabilities. Its robust construction allows it to operate reliably in telecom base stations and industrial automation equipment, ensuring the GFM0612ES-03 maintains optimal thermal envelopes for sensitive electronics.

Supplemental Images

