

PFR0612XHE-9M1D Delta 12VDC 60x60x38mm PWM Axial Fan Datasheet



Brand: Delta

SKU: [895124907846](#)

Category: Axial & Centrifugal Fans

Price: **\$12.99**

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Product Page:

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Product Description

The Delta PFR0612XHE-9M1D is a high-performance DC axial fan engineered for critical thermal management applications requiring exceptional static pressure and airflow density. Utilizing advanced DC brushless motor technology paired with a precision dual ball bearing system, this unit ensures long-term reliability and reduced frictional wear under continuous operation. The 60mm frame design incorporates optimized blade geometry to maximize aerodynamic efficiency while maintaining structural rigidity at high rotational speeds. This model effectively lowers thermal impedance in dense electronic enclosures, delivering robust cooling performance characterized by its substantial power rating and precise PWM speed control capabilities.

Model Number: PFR0612XHE-9M1D

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 8.0 - 13.2 VDC

Rated Current: 3.30 A

Power Input: 39.60 W

Rated Speed: 16500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 67.85 CFM (115.2 m³/h / 1.92 m³/min)

Max. Static Pressure: 71.12 mmH₂O (697.4 Pa / 2.80 inH₂O)

Dimensions: 60 x 60 x 38 mm

Weight: 130 g

Noise Level: 65.0 dB-A

Speed Control: PWM (Pulse Width Modulation)

Termination: 4-Wire Lead (Red +, Black -, Blue PWM, Yellow Tach)

Ingress Protection: IP51

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +75 °C

Life Expectancy: 70,000 Hours (40°C)

Safety Certifications: UL, cUL, TUV, CE

The PFR0612XHE-9M1D is specifically designed for high-impedance environments such as 1U server racks, telecommunications base stations, and precision medical instrumentation where back-pressure resistance is paramount. Its compact yet powerful form factor allows the PFR0612XHE-9M1D to integrate seamlessly into forced-air cooling systems for power supplies, ASIC miners, and industrial automation equipment, ensuring component stability during peak processing loads.

Supplemental Images

