

PFR0612XHE-SP00 Delta 12VDC 3.30A 60x60x38mm Axial Fan Datasheet



Brand: Delta

SKU: [866053893045](#)

Category: Axial & Centrifugal Fans

Price: **\$21.99**

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Product Description

Delta PFR0612XHE-SP00 is a 12VDC 60x60x38mm Axial Fan optimized for high-density thermal management in environments with extreme system impedance. This high-pressure cooling solution utilizes a brushless DC motor architecture paired with precision dual ball bearings to ensure structural rigidity and long-term reliability under continuous duty cycles. The aerodynamic impeller design is engineered to maximize static pressure, making it ideal for overcoming the airflow resistance found in tightly packed server enclosures and industrial frequency converters. Operating at a rated current of 3.30A and reaching speeds up to 16500 RPM, this unit delivers a massive 62.23 CFM of airflow while maintaining precise control via its 4-wire PWM speed regulation interface.

Model Number: PFR0612XHE-SP00

Brand: Delta Electronics

Product Type: Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 3.30 A

Power: 39.6 W

Rated Speed: 16500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 62.23 CFM (1.76 m³/min)

Max. Static Pressure: 41.18 mmH₂O (1.621 inH₂O)

Dimensions: 60 x 60 x 38 mm

Weight: 130 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 67.5 dB(A)

Speed Control: PWM Control / Tachometer Output

Termination: 4-Lead Wires

Housing Material: Plastic (UL 94V-0)

Blade Material: Plastic (UL 94V-0)

Operating Temperature: -10 to +60 °C

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

PFR0612XHE-SP00 Applications

1. VFD Control Cabinets: High static pressure capability allows for efficient heat dissipation through dense internal components and filter media in industrial frequency converters.
2. 1U/2U Rackmount Servers: The 38mm depth and high RPM profile provide the necessary force to drive air through restricted heat sinks and high-impedance chassis layouts.
3. Telecom Base Stations: Robust dual ball bearing construction ensures 24/7 operational stability in ruggedized outdoor enclosures requiring high-velocity active cooling." cooling.

Supplemental Images

