

PFR0612XHE-BK95 Delta 12VDC 60x60x38mm High Airflow Fan Datasheet



Brand: Delta

SKU: 940526585163

Category: Axial & Centrifugal Fans

Price: \$3.99

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Product Page:

<https://www.equipspares.com/product/pfr0612xhe-bk95-delta-12vdc-60x60x38mm-high-airflow-fan>

Product Description

The Delta PFR0612XHE-BK95 is an ultra-high-performance DC axial fan engineered for extreme thermal management applications requiring significant static pressure and airflow density. Built upon a robust brushless DC motor architecture and supported by a precision dual ball bearing system, this unit is designed to withstand high rotational speeds and continuous duty cycles while maintaining structural rigidity. The aerodynamic impeller geometry is specifically optimized to overcome high system impedance, making it a critical component for cooling high-density electronics where standard fans fail to penetrate thermal resistance. Its industrial-grade construction ensures reliability and efficient heat dissipation in the most demanding environments.

Model Number: PFR0612XHE-BK95

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 3.30 A

Input Power: 39.60 W

Rated Speed: 16500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 67.85 CFM (115.3 m³/h / 1.92 m³/min)

Max. Static Pressure: 71.54 mmH₂O (701.6 Pa / 2.81 inH₂O)

Dimensions: 60 x 60 x 38 mm

Noise Level: 66.5 dB-A

Frame Material: PBT Thermoplastic (UL94V-0)

Impeller Material: PBT Thermoplastic (UL94V-0)

Termination: 4-Wire Leads with Connector

Control Feature: PWM Speed Control

Signal Output: Tachometer (Frequency Generator)

Operating Temperature: -10°C to +70°C

Life Expectancy: 70,000 Hours (40°C)

Ingress Protection: IP Rating Available upon request

Net Weight: 130 g

The PFR0612XHE-BK95 is primarily utilized in high-performance computing environments, such as 1U server racks and blade chassis, where overcoming high static pressure is mandatory for effective cooling. Additionally, due to its immense airflow capabilities, the PFR0612XHE-BK95 is a popular choice for industrial machinery, telecommunications power supplies, and specialized aftermarket modifications like electric motorcycle controller cooling or DIY ventilation projects requiring compact yet powerful air movement.

Supplemental Images

