

# PFR0612XHE-CF1U Delta 12VDC 60x60x38mm PWM Axial Fan Datasheet



**Brand:** Delta

**SKU:** [916605634375](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$12.99**

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Product Page:

<https://www.equipspares.com/product/pfr0612xhe-cf1u-delta-12vdc-60x60x38mm-pwm-axial-fan>

## Product Description

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The Delta PFR0612XHE-CF1U is a high-static pressure DC Axial Fan engineered for mission-critical thermal management applications requiring extreme airflow density. Operating at a rated voltage of 12VDC with a significant current draw of 3.30A, this unit leverages a robust dual ball bearing architecture to ensure rotational stability and minimize frictional heat generation under continuous high-speed operation. The 60x60x38mm frame houses a precision-balanced impeller designed to overcome significant system impedance, delivering exceptional static pressure capabilities. Its structural rigidity and advanced motor commutation electronics make it ideal for densely packed enclosures where thermal impedance must be aggressively mitigated.

Model Number: PFR0612XHE-CF1U

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 8.0 - 13.2 VDC

Rated Current: 3.30 A

Power Consumption: 39.60 W

Rated Speed: 16500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 72.5 CFM (123.1 m<sup>3</sup>/h / 2.05 m<sup>3</sup>/min)

Max. Static Pressure: 2.85 inH<sub>2</sub>O (72.4 mmH<sub>2</sub>O / 710 Pa)

Dimensions: 60x60x38mm

Weight: 130 g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM (Pulse Width Modulation)

Signal Output: 4-Wire (Tachometer/FG)

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Ingress Protection: IP51 (Standard)

Safety Certifications: UL, cUL, TUV, CE

Protection: Locked Rotor, Reverse Polarity

The PFR0612XHE-CF1U is specifically deployed in high-density server racks and blade chassis where back-pressure is a significant factor. Telecom infrastructure and 1U/2U power supply units frequently utilize the PFR0612XHE-CF1U to maintain optimal operating temperatures for sensitive semiconductors. Additionally, this model is suitable for industrial automation equipment and precision cooling in CNC machinery where compact, high-velocity airflow is required to dissipate heat from concentrated sources.

## Supplemental Images

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