

# PFR0612DHE-CAB1 Delta 12VDC 2.00A 60x60x38mm Axial Fan Datasheet



**Brand:** Delta

**SKU:** 1011675681784

**Category:** Axial & Centrifugal Fans

**Price:** \$17.99

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Product Page:

<https://www.equipspares.com/product/pfr0612dhe-cab1-delta-12vdc-2-00a-60x60x38mm-axial-fan>

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## Product Description

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The Delta PFR0612DHE-CAB1 is a high-performance axial fan engineered for mission-critical thermal management in dense server environments. Utilizing advanced DC brushless motor technology and a precision ball bearing architecture, this unit ensures optimal rotational stability and minimized friction under high-load conditions. The aerodynamic impeller design is specifically optimized to overcome high system impedance, delivering substantial static pressure to penetrate dense heatsink fins. Its robust frame construction enhances structural rigidity, reducing vibration-induced noise while maintaining consistent airflow performance essential for maintaining low thermal impedance in enterprise hardware.

Model Number: PFR0612DHE-CAB1

Brand: Delta Electronics

OEM Part Number: R27NJ

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 2.00 A

Power Consumption: 24.00 W

Rated Speed: 12000 RPM (Nominal)

Bearing Type: Dual Ball Bearing

Max. Air Flow: 67.85 CFM (115.2 m<sup>3</sup>/h)  
Max. Static Pressure: 2.25 inH<sub>2</sub>O (560 Pa / 57.1 mmH<sub>2</sub>O)  
Dimensions: 60 x 60 x 38 mm  
Weight: 130 g  
Life Expectancy: 70,000 Hours at 40°C  
Speed Control: PWM (Pulse Width Modulation)  
Signal Output: Tachometer (Frequency Generator)  
Termination: 4-Wire with Dell Proprietary Connector  
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: IP20  
Noise Level: 64.5 dB-A  
Safety Certifications: UL, cUL, TUV, CE  
Protection: Locked Rotor Protection, Polarity Protection

This cooling solution is specifically configured for integration into enterprise-grade server chassis, including the Dell PowerEdge R530 and R530XD systems. The PFR0612DHE-CAB1 provides the necessary airflow to dissipate heat generated by high-performance processors and redundant power supplies within 1U and 2U rackmount configurations. Beyond specific OEM replacements, the PFR0612DHE-CAB1 is suitable for custom industrial cooling arrays, telecommunications equipment, and high-density storage clusters where reliable, high-pressure air movement is required to prevent thermal throttling and ensure hardware longevity.

## Supplemental Images

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