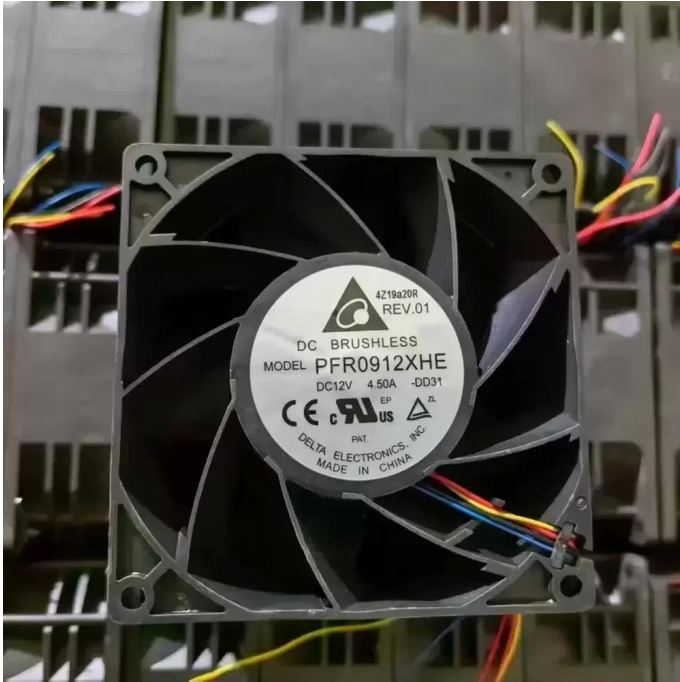


PFR0912XHE-DD31 Delta 12VDC 4.50A 92x38mm Axial Fan Datasheet



Brand: Delta

SKU: [897799137392](#)

Category: Axial & Centrifugal Fans

Price: **\$16.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/pfr0912xhe-dd31-delta-12vdc-4-50a-92x38mm-axial-fan>

Product Description

The Delta PFR0912XHE-DD31 is a high-performance Axial Fan engineered for mission-critical thermal management in dense electronic enclosures. Utilizing advanced DC brushless motor technology and a precision ball bearing architecture, this unit delivers exceptional structural rigidity and operational longevity under continuous load. The aerodynamic impeller design is optimized to overcome high system impedance, maximizing static pressure generation while maintaining efficient airflow throughput. Its robust construction ensures reliability in demanding industrial environments requiring rapid heat dissipation and thermal stability.

Model Number: PFR0912XHE-DD31

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 8.0 - 13.2 VDC

Rated Current: 4.50 A

Power Input: 54.0 W

Rated Speed: 11500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 175.03 CFM (297.3 m³/h / 4.95 m³/min)

Max. Static Pressure: 36.0 mmH₂O (352.8 Pa / 1.417 inH₂O)

Dimensions: 92mm x 92mm x 38mm

Weight: 250 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 71.5 dB-A

Speed Control: PWM (Pulse Width Modulation)

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

Housing Material: PBT Plastic (UL94V-0)

Blade Material: PBT Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Ingress Protection: IP54 (Standard)

Safety Certifications: UL, cUL, TUV, CE

Protection: Locked Rotor Protection, Polarity Protection

Designed for high-impedance environments, the PFR0912XHE-DD31 is extensively utilized in enterprise server racks and telecommunications infrastructure where back-pressure is significant. This cooling solution is ideal for precision cooling in blade servers, RAID storage arrays, and industrial automation equipment. The PFR0912XHE-DD31 ensures thermal stability in power supply units and high-performance computing clusters, effectively mitigating thermal throttling in restricted airflow chassis.

Supplemental Images

