PFR0612DHE-DG1D Delta 12VDC 60x60x38mm PWM Axial Fan Datasheet

Brand: Delta

SKU: 799355093752

Category: Axial & Centrifugal Fans

Price: **$16.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/pfr0612dhe-dg1d-delta-12vdc-60x60x38mm-pwm-axial-fan

Product Description

The Delta PFR0612DHE-DG1D is a high-performance DC Axial Fan engineered for mission-critical thermal management in dense electronic enclosures. Utilizing advanced aerodynamic blade geometry and a robust dual ball bearing architecture, this unit delivers exceptional airflow relative to its compact 60mm footprint. The motor assembly features precise 4-wire PWM control, allowing for dynamic speed modulation to optimize the balance between thermal impedance reduction and acoustic performance. Its structural rigidity and high rotational speed make it ideal for overcoming significant system resistance in industrial and server environments.

Model Number: PFR0612DHE-DG1D
Brand: Delta
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Rated Current: 2.00 A
Power Consumption: 24.00 W
Rated Speed: 14500 RPM ±5%
Max. Air Flow: 65.98 CFM (1.868 m^3/min)
Max. Static Pressure: 63.56 mmH_2O (2.502 inH_2O)
Noise Level: 63.3 dB-A
Bearing Type: Dual Ball Bearing

Dimensions: 60 x 60 x 38 mm
Speed Control: PWM (Pulse Width Modulation)
Signal Output: Tachometer (Speed Sensor)
Termination: 4-Wire Lead
Operating Temperature: -20°C to +70°C
Life Expectancy: 60000 Hours (25°C, 45-85% RH)
Frame Material: Industrial Grade Plastic (UL94V-0)
Blade Material: Industrial Grade Plastic (UL94V-0)

The PFR0612DHE-DG1D is specifically calibrated for high-impedance applications such as industrial frequency inverters and high-density server racks where backpressure is a critical factor. Due to its substantial airflow capabilities, the PFR0612DHE-DG1D is also frequently utilized in automotive electric vehicle modifications and custom cooling solutions requiring aggressive heat dissipation. Its robust design ensures reliability in telecommunications equipment and precision CNC machinery control units.

Supplemental Images