

PFB0824DHE-W52 Delta 24VDC 1.63A 80x80x38mm Axial Fan Datasheet



Brand: Delta

SKU: [758990410864](#)

Category: Axial & Centrifugal Fans

Price: **\$16.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/pfb0824dhe-w52-delta-24vdc-1-63a-80x80x38mm-axial-fan>

Product Description

The Delta PFB0824DHE-W52 is a high-density DC axial fan engineered for mission-critical thermal management where structural rigidity and low thermal impedance are paramount. Utilizing a brushless DC motor architecture, this unit incorporates a dual ball bearing system designed to withstand high radial loads and maintain rotational stability at extreme velocities. The aerodynamic impeller geometry is optimized to maximize static pressure, ensuring efficient airflow through high-resistance heat sinks and densely packed electronic enclosures. Its robust PBT thermoplastic housing meets UL94V-0 flammability standards, providing a durable chassis for industrial-grade deployment.

Model Number: PFB0824DHE-W52

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 14.0 - 26.4 VDC

Rated Current: 1.63A

Power: 39.12W

Rated Speed: 9000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 132.56 CFM (3.753 m³/min)

Max. Static Pressure: 51.17 mmH₂O (2.014 inH₂O)

Noise Level: 65.0 dB-A

Dimensions: 80x80x38mm

Weight: 200g

Life Expectancy: 70,000 Hours at 40C

Speed Control: PWM Signal

Output: Tachometer / Frequency Generator

Termination: 4-Lead Wires

Housing Material: Plastic (UL94V-0)

Blade Material: Plastic (UL94V-0)

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

Operating Temperature: -10C to +60C

Storage Temperature: -40C to +70C

Insulation Class: Class A

The Delta PFB0824DHE-W52 is specifically designed for high-performance computing environments and industrial automation systems. Given its significant static pressure capabilities, the PFB0824DHE-W52 is frequently integrated into 2U server chassis, telecommunications base stations, and high-speed network switches. The PFB0824DHE-W52 also serves as a critical cooling component in power supply units and medical diagnostic equipment where rapid heat dissipation is required to maintain system integrity.

Supplemental Images

