

# PFB1224GHE Delta 24VDC 120x120x38mm PWM Axial Fan Datasheet



**Brand:** Delta

**SKU:** 900020545174

**Category:** Axial & Centrifugal Fans

**Price:** **\$64.99**

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Product Page:

<https://www.equipspares.com/product/pfb1224ghe-delta-24vdc-120x120x38mm-pwm-axial-fan>

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## Product Description

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The Delta Electronics PFB1224GHE is a high-performance DC axial fan engineered for mission-critical thermal management in industrial environments. Utilizing advanced brushless DC motor technology and a precision-balanced blade geometry, this unit delivers exceptional airflow relative to its form factor. The design incorporates a robust Dual Ball Bearing system, ensuring long-term reliability and reduced frictional heat generation, which significantly lowers thermal impedance during continuous operation. Its structural rigidity and aerodynamic efficiency make it an ideal solution for high-static pressure applications requiring sustained cooling performance under variable load conditions.

Model Number: PFB1224GHE

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 1.62 A

Power Consumption: 38.88 W

Rated Speed: 5500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 217.79 CFM (370.0 m<sup>3</sup>/h / 6.17 m<sup>3</sup>/min)

Max. Static Pressure: 27.3 mmH<sub>2</sub>O (267.7 Pa / 1.075 inH<sub>2</sub>O)

Dimensions: 120 x 120 x 38 mm

Weight: 380 g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM / 4-Wire Tachometer Output

Noise Level: 66.5 dB-A

Ingress Protection: IP55 (Optional based on variant)

Housing Material: PBT Plastic (UL94V-0)

Blade Material: PBT Plastic (UL94V-0)

Operating Temperature: -10°C to +60°C

Storage Temperature: -40°C to +70°C

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

Certifications: UL, cUL, TUV, CE

Protection: Locked Rotor Protection, Polarity Protection

The PFB1224GHE is extensively utilized in industrial automation and power electronics, specifically serving as a replacement component for ABB frequency inverters and variable frequency drives (VFDs) where reliable heat dissipation is critical. Beyond drive cooling, the PFB1224GHE is frequently deployed in high-density server racks, telecommunications cabinets, and CNC machinery control panels, providing the necessary static pressure to overcome impedance in tightly packed electronic enclosures.

## Supplemental Images

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