

EFB1224HHE-BY22 Delta 24VDC 120x38mm Alarm Axial Fan Datasheet



Brand: Delta

SKU: [738427850405](#)

Category: Axial & Centrifugal Fans

Price: **\$20.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/efb1224hhe-by22-delta-24vdc-120x38mm-alarm-axial-fan>

Product Description

The Delta EFB1224HHE-BY22 is a precision-engineered Axial Fan designed for demanding industrial thermal management. Utilizing advanced DC brushless motor technology and a high-durability ball bearing architecture, this unit ensures optimal rotational stability and reduced friction coefficients. The aerodynamic impeller design maximizes airflow efficiency while maintaining structural rigidity under high static pressure conditions. Engineered with a robust thermoplastic housing, it offers superior thermal impedance characteristics, making it suitable for continuous operation in variable environments. The integration of a third-wire alarm signal provides critical feedback for system monitoring and failure prevention.

Model Number: EFB1224HHE-BY22

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.30 A

Power Consumption: 7.20 W

Rated Speed: 2900 RPM

Bearing Type: Maintenance-Free Ball Bearing

Max. Air Flow: 95.0 CFM (2.69 m³/min)

Max. Static Pressure: 7.50 mmH₂O (73.5 Pa / 0.29 inH₂O)

Dimensions: 120 x 120 x 38 mm

Weight: 260 g

Noise Level: 42.0 dB-A

Life Expectancy: 70,000 Hours at 40°C

Frame Material: PBT Thermoplastic (UL94V-0)

Impeller Material: PBT Thermoplastic (UL94V-0)

Ingress Protection: IP50

Insulation Class: Class A

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Termination: 3-Wire Leads (Red +, Black -, Blue Alarm)

Wire Length: 300 mm

Speed Control: Alarm Signal (Locked Rotor)

Safety Certifications: UL, cUL, TUV, CE

This cooling solution is specifically calibrated for high-reliability applications such as industrial inverters and variable frequency drives where consistent thermal dissipation is mandatory. The EFB1224HHE-BY22 excels in server rack enclosures and telecommunications cabinets, providing necessary airflow to prevent component overheating. Additionally, the EFB1224HHE-BY22 is frequently utilized in CNC machinery and power supply units, ensuring operational longevity through effective heat extraction.

Supplemental Images

