

FFB1224EH-AR04 Delta 24VDC 120x120x38mm Axial Fan Datasheet



Brand: Delta

SKU: 756540218756

Category: Axial & Centrifugal Fans

Price: \$17.99

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Product Description

The Delta FFB1224EH-AR04 is a high-performance industrial axial fan engineered for extreme thermal management. Operating at a rated 24VDC with a robust 1.50A current draw, this 120x38mm unit delivers a massive airflow of 150.33 CFM and a static pressure of 0.489 inH₂O. Equipped with a precision dual ball bearing system and a 3-wire configuration featuring a Lock Rotor Sensor (R04), it ensures long-term reliability (70,000 hours) and safety in high-density electronic environments. The glass-fiber reinforced plastic construction (UL 94V-0) provides structural integrity under high-speed 4000 RPM operation while maintaining a noise profile of 56.4 dB(A).

FFB1224EH-AR04 Specifications

Model Number: FFB1224EH-AR04

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 14.0 - 26.4VDC

Rated Current: 1.50A (Label) / 0.63A (Standard)

Power Consumption: 36.0W (Max)

Rated Speed: 4000 RPM

Max Airflow: 150.33 CFM (4.257 m³/min)

Max Static Pressure: 0.489 inH₂O (12.43 mmH₂O)

Noise Level: 56.4 dB(A)

Bearing Type: Dual Ball Bearing

Dimensions: 120 x 120 x 38 mm

Weight: 205g

Material Frame: Plastic (UL 94V-0)

Material Impeller: Plastic (UL 94V-0)

Life Expectancy: 70,000 Hours @ 40°C

Signal Output: R04 (Lock Rotor Sensor / Alarm)

Termination: 3-Wire Lead Wires

Operating Temperature: -10°C to +60°C

FFB1224EH-AR04 Applications

1. Industrial Frequency Converters: Provides high-velocity cooling for power modules and heat sinks in variable frequency drives (VFD).
2. 2U/3U Server Enclosures: High static pressure overcomes internal resistance in densely packed rack-mount hardware.
3. Telecom Power Supplies: Reliable 24V operation for outdoor base station rectifiers and battery cooling systems.
4. Industrial Automation: Essential for cooling control cabinets where high-volume air exchange is required to prevent component derating.

Supplemental Images

