

AFB1248HE-R00 Delta 48VDC 120x120x38mm DC Axial Fan Datasheet



Brand: Delta

SKU: [1000874141113](#)

Category: Axial & Centrifugal Fans

Price: **\$25.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/afb1248he-r00-delta-48vdc-120x120x38mm-dc-axial-fan>

Product Description

The Delta AFB1248HE-R00 is a precision-engineered DC Axial Fan designed for critical thermal management in industrial environments. Utilizing advanced dual ball bearing architecture, this unit ensures long-term structural rigidity and operational stability under continuous load. The aerodynamic impeller design optimizes airflow efficiency while minimizing thermal impedance, making it suitable for high-static pressure applications. The integrated R00 rotation detector sensor provides real-time feedback on fan status, enhancing system reliability. Constructed with UL94V-0 rated thermoplastic, the housing offers robust protection against environmental stressors, ensuring consistent performance in demanding server and telecommunication infrastructures.

Model Number: AFB1248HE-R00

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 48 VDC

Voltage Range: 28.0 - 56.0 VDC

Rated Current: 0.18 A

Power: 8.64 W

Rated Speed: 2600 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 105.94 CFM (180.0 m³/h / 3.00 m³/min)

Max. Static Pressure: 9.00 mmH₂O (88.26 Pa / 0.35 inH₂O)

Dimensions: 120 x 120 x 38 mm

Weight: 256 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 41.0 dBA

Sensor Type: R00 (Rotation Detector / Locked Rotor)

Termination: 3-Wire Leads

Housing Material: Plastic (UL 94V-0)

Impeller Material: Plastic (UL 94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Insulation Resistance: 10 Megohms min at 500 VDC

Dielectric Strength: 500 VAC for 1 minute

Protection: Polarity Protection, Locked Rotor Protection

The AFB1248HE-R00 is engineered for high-density electronic enclosures requiring reliable forced convection cooling. Common deployment scenarios include rack-mounted server chassis, industrial automation control panels, and telecommunication base stations where continuous uptime is mandatory. The AFB1248HE-R00 effectively dissipates heat from power supply units and CNC machinery, ensuring component longevity by maintaining optimal operating temperatures within restricted spaces.

Supplemental Images

