

AFB1548EH-CA02 Delta 48VDC 172x150x51mm 4-Wire Axial Fan Datasheet



Brand: Delta

SKU: 970121418387

Category: Axial & Centrifugal Fans

Price: \$85.99

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/afb1548eh-ca02-delta-48vdc-172x150x51mm-4-wire-axial-fan>

Product Description

The Delta AFB1548EH-CA02 is a robust DC axial fan engineered for demanding industrial thermal management applications. Utilizing advanced DC motor technology and a precision dual ball bearing architecture, this unit ensures exceptional structural rigidity and longevity under continuous high-load operation. The 172x150x51mm aluminum die-cast housing provides superior thermal impedance characteristics and durability against environmental stressors. Designed with optimized impeller aerodynamics, the AFB1548EH-CA02 delivers high static pressure and airflow capabilities, making it ideal for high-density electronic enclosures. Its 4-wire configuration supports precise speed control, enhancing energy efficiency while maintaining critical system stability in harsh operational environments.

Model Number: AFB1548EH-CA02

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 48 VDC

Voltage Range: 28.0 - 56.0 VDC

Rated Current: 2.00 A

Power: 96.00 W

Rated Speed: 4800 RPM

Max. Air Flow: 325.5 CFM (553.0 m³/h / 9.21 m³/min)

Max. Static Pressure: 28.5 mmH₂O (279.5 Pa / 1.12 inH₂O)

Dimensions: 172 x 150 x 51 mm

Frame Style: Oval (Side Cut)

Weight: 800 g

Bearing Type: Dual Ball Bearing

Housing Material: Aluminum Die-Cast

Impeller Material: Plastic UL94V-0

Termination: 4-Wire (Lead Wires)

Speed Control: PWM / Tachometer Output

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +75 °C

Life Expectancy: 70,000 Hours @ 40°C

Origin: Thailand

The AFB1548EH-CA02 is specifically calibrated for high-impedance applications requiring substantial airflow and pressure to overcome system resistance. Common deployments include industrial control chassis, telecommunications server racks, and high-power supply units where thermal dissipation is critical. The AFB1548EH-CA02 excels in CNC machinery and medical instrumentation cooling, ensuring reliable performance in 24/7 operational cycles.

Supplemental Images

