

# AFB0848L Delta 48VDC 80x80x25mm 0.09A Axial Cooling Fan Datasheet



**Brand:** Delta

**SKU:** [739155134371](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$14.99**

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Product Page:

<https://www.equipspares.com/product/afb0848l-delta-48vdc-80x80x25mm-0-09a-axial-cooling-fan>

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## Product Description

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The Delta AFB0848L is a precision-engineered DC Axial Fan designed for critical thermal management in industrial electronics and power conversion systems. Utilizing advanced Dual Ball Bearing architecture, this unit ensures minimal friction and extended operational longevity, significantly outperforming sleeve bearing alternatives in continuous-duty cycles. The aerodynamic impeller design optimizes airflow efficiency while maintaining low acoustic noise, making it ideal for environments requiring a balance between thermal impedance reduction and quiet operation. Constructed with high-rigidity UL94V-0 PBT material, the fan offers robust structural integrity against vibration and thermal stress, ensuring reliable performance in demanding 48VDC applications.

Model Number: AFB0848L

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 48 VDC

Voltage Range: 28.0 - 56.0 VDC

Rated Current: 0.09 A

Input Power: 4.32 W

Rated Speed: 2400 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 30.02 CFM (51.0 m<sup>3</sup>/h / 0.85 m<sup>3</sup>/min)

Max. Static Pressure: 2.95 mmH<sub>2</sub>O (28.9 Pa / 0.116 inH<sub>2</sub>O)

Noise Level: 28.0 dB-A

Dimensions: 80 x 80 x 25.4 mm

Weight: 80 g (0.18 lb)

Frame Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Termination: 2 Lead Wires (Red/Black)

Ingress Protection: IP20

Insulation Class: Class A

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +75 °C

Life Expectancy: 70,000 Hours at 40°C

Safety Certifications: UL, cUL, TUV, CE

Protection: Locked Rotor Protection, Polarity Protection

The AFB0848L is specifically engineered for high-reliability applications such as variable frequency drive (VFD) inverters and industrial power supplies where consistent cooling is mandatory. Its 48VDC operating voltage makes it a staple in telecommunications infrastructure and server rack cooling solutions where stable thermal regulation is paramount. Integrators frequently deploy the AFB0848L in CNC machinery control panels and medical instrumentation, relying on its durable bearing system to prevent overheating in enclosed electronic chassis.

## Supplemental Images

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