AFB0424SHB Delta 24VDC 40x40x15mm 0.18A Axial Fan Datasheet

Brand: Delta

SKU: 989313104422

Category: Axial & Centrifugal Fans

Price: **$12.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/afb0424shb-delta-24vdc-40x40x15mm-0-18a-axial-fan

Product Description

The Delta AFB0424SHB is a precision-engineered DC axial fan designed for high-density thermal management applications requiring superior airflow-to-size ratios. Featuring an advanced brushless DC motor architecture paired with a durable dual ball bearing system, this unit ensures minimal friction and extended operational longevity under continuous load. The aerodynamic impeller design optimizes airflow while maintaining structural rigidity, effectively reducing thermal impedance in compact enclosures. Engineered for reliability, the AFB0424SHB delivers consistent static pressure performance, making it an ideal solution for critical industrial, automation, and telecommunications cooling requirements where component stability is paramount.

Model Number: AFB0424SHB
Brand: Delta Electronics
Product Type: DC Axial Fan
Rated Voltage: 24 VDC
Voltage Range: 14.0 - 27.6 VDC
Rated Current: 0.18 A
Power Input: 4.32 W
Rated Speed: 11000 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 14.83 CFM (25.20 m^3/h / 0.42 m^3/min)

Max. Static Pressure: 13.97 mmH_2O (137.0 Pa / 0.55 inH_2O)
Dimensions: 40 x 40 x 15 mm
Weight: 33.0 g (1.16 oz)
Life Expectancy: 70,000 Hours at 40°C
Noise Level: 45.0 dB-A
Ingress Protection: IP55 (Optional Configuration)
Insulation Class: Class A
Housing Material: PBT Plastic (UL 94V-0)
Impeller Material: PBT Plastic (UL 94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +75°C
Termination: 4-Wire Leads (Red +, Black -, Blue/Yellow Signal)
Safety Protection: Electronic Locked Rotor Protection
Certifications: UL, cUL, TUV, CE

The Delta AFB0424SHB is extensively utilized in compact electronic assemblies requiring efficient heat dissipation, such as variable frequency drives (VFDs), industrial power supply units, and high-density server chassis. Its robust construction allows the AFB0424SHB to operate reliably in telecommunications equipment and network switches where continuous airflow is critical for preventing thermal throttling. Additionally, this model serves as a vital cooling component in medical instrumentation and automated CNC control modules, ensuring optimal operating temperatures are maintained in demanding environments.

Supplemental Images