

AFB1224M-21S Delta 24VDC 120x120x25mm Axial Fan Datasheet



Brand: Delta

SKU: [992161473085](#)

Category: Axial & Centrifugal Fans

Price: **\$21.99**

E-mail: sales@equipspares.com

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

Product Page: <https://www.equipspares.com/product/afb1224m-21s-delta-24vdc-120x120x25mm-axial-fan>

Product Description

The Delta AFB1224M-21S is a precision-engineered Axial Fan designed to deliver optimal thermal management in industrial environments. Utilizing advanced DC brushless motor technology and a robust Dual Ball Bearing system, this unit ensures minimized friction and extended operational longevity under continuous load. The aerodynamic impeller design reduces turbulence, optimizing the airflow-to-noise ratio while maintaining structural rigidity against backpressure. Engineered for reliability, the AFB1224M-21S effectively lowers thermal impedance in sensitive electronics, making it a critical component for maintaining system stability in demanding applications requiring consistent air exchange and durability.

Model Number: AFB1224M-21S

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.18 A

Input Power: 4.32 W

Rated Speed: 2200 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 73.45 CFM (124.8 m³/h / 2.08 m³/min)

Max. Static Pressure: 6.92 mmH₂O (67.86 Pa / 0.27 inH₂O)

Dimensions: 120 x 120 x 25 mm

Weight: 198 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 35.5 dB-A

Termination: 3-Wire Leads

Speed Control: Tachometer Output (Frequency Generator)

Housing Material: Plastic (UL94V-0)

Blade Material: Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Ingress Protection: IP20 (Standard)

Safety Certifications: UL, cUL, TUV, CE

The AFB1224M-21S is specifically engineered for critical cooling tasks within industrial automation and power conversion systems. Frequently integrated into variable frequency drives (inverters) and server chassis, the AFB1224M-21S ensures rapid heat dissipation from power transistors and sensitive logic boards. Its robust design also suits telecommunications cabinets and CNC control panels, where consistent airflow is required to prevent thermal throttling and component degradation in 24/7 operational environments.

Supplemental Images

