

2B09238B24H-P083 AVC 24VDC 92x92x38mm Axial Fan Datasheet



Brand: AVC

SKU: [814959096917](#)

Category: Axial & Centrifugal Fans

Price: **\$18.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/2b09238b24h-p083-avc-24vdc-92x92x38mm-axial-fan>

Product Description

AVC 2B09238B24H-P083 is a 24VDC 92x92x38mm Axial Fan optimized for high-impedance thermal management in industrial power electronics. This unit features a high-torque DC brushless motor with dual ball bearing architecture, ensuring structural rigidity and extended service life under continuous duty cycles. The aerodynamic impeller design is engineered to minimize thermal impedance in densely packed enclosures. Operating at 0.75A with a rated power of 18W, this fan delivers significant static pressure to overcome the resistance of fine-mesh filters and heat sink fins, making it a critical component for maintaining system stability in high-demand environments.

Model Number: 2B09238B24H-P083

Brand: AVC

Product Type: Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.75 A

Power: 18.0 W

Rated Speed: 6500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 115.3 CFM

Max. Static Pressure: 18.2 mmH₂O

Dimensions: 92 x 92 x 38 mm

Weight: 195 g

Life Expectancy: 70,000 Hours at 40 C

Speed Control: PWM Signal Control

Feedback: Tachometer / Frequency Generator

Termination: 4-Wire Lead Wires

Housing Material: Plastic (UL94V-0)

Blade Material: Plastic (UL94V-0)

Operating Temperature: -10 to +70 C

Protection: Locked Rotor Protection, Reverse Polarity Protection

2B09238B24H-P083 Applications

1. VFD Control Cabinets: High static pressure capability allows for efficient heat dissipation through the restrictive heat sinks of variable frequency drives.
2. 3U Rackmount Servers: The 38mm depth and high RPM profile provide the necessary CFM to maintain airflow across high-density processor arrays.
3. Industrial Power Supplies: Ideal as a replacement fan for heavy-duty SMPS units where high-velocity cooling is required to prevent thermal throttling.
4. Telecom Base Stations: Ruggedized dual-ball bearing construction ensures reliability in remote outdoor enclosures with high ambient temperature fluctuations.

Supplemental Images

