

# DS08025B24UPT03 AVC 24VDC 0.40A 80x80x25mm Axial Fan Datasheet



**Brand:** AVC

**SKU:** [1030410783199](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$16.99**

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Product Page:

<https://www.equipspares.com/product/ds08025b24upt03-avc-24vdc-0-40a-80x80x25mm-axial-fan>

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## Product Description

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The AVC DS08025B24UPT03 is a 24VDC 80x80x25mm Axial Fan optimized for high-density thermal management in industrial automation and power electronics. This unit features a sophisticated DC brushless motor architecture paired with a precision-engineered dual ball bearing system, ensuring low thermal impedance and high structural rigidity under continuous duty cycles. Operating at a rated current of 0.40A, the fan delivers significant static pressure to overcome the resistance of tightly packed internal components. The integrated 4-wire PWM (Pulse Width Modulation) interface allows for dynamic speed control, optimizing the balance between acoustic output and cooling efficiency. Its robust UL94V-0 plastic housing and impeller are designed to maintain aerodynamic stability even at peak RPMs, making it a reliable solution for critical system cooling.

Model Number: DS08025B24UPT03

Brand: AVC

Product Type: Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.40 A

Power: 9.6 W

Rated Speed: 4500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 58.5 CFM (99.4 m<sup>3</sup>/h)

Max. Static Pressure: 9.20 mmH<sub>2</sub>O (90.2 Pa)

Dimensions: 80 x 80 x 25 mm

Weight: 85 g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: 4-Wire PWM (Pulse Width Modulation)

Signal Output: Tachometer / FG Signal

Housing Material: UL94V-0 Reinforced Plastic

Blade Material: UL94V-0 Reinforced Plastic

Termination: 4-Lead Wires

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +75 °C

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

Certifications: CE, TUV, UL Recognized

#### DS08025B24UPT03 Applications

1. Variable Frequency Drives (VFD): The high static pressure and 24VDC compatibility make it an ideal replacement fan for cooling IGBT modules and internal heat sinks in industrial motor controllers.
2. 2U Rackmount Chassis: The 80mm form factor and PWM speed control allow for precise thermal regulation in high-density server environments where overcoming system impedance is critical.
3. Industrial Power Supplies: Optimized for continuous operation in enclosed SMPS units where dual ball bearings provide the necessary longevity and resistance to mounting orientation constraints.

## Supplemental Images

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