

DS08025R24U-003 AVC 24VDC 0.40A 80x80x25mm Axial Fan Datasheet



Brand: AVC

SKU: [902150209724](#)

Category: Axial & Centrifugal Fans

Price: **\$18.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/ds08025r24u-003-avc-24vdc-0-40a-80x80x25mm-axial-fan>

Product Description

AVC DS08025R24U-003 is a 24VDC 80x80x25mm Axial Fan optimized for high-density thermal management in industrial power electronics. Engineered with advanced DC brushless motor technology and a specialized hydraulic bearing architecture, this unit minimizes thermal impedance while maintaining structural rigidity under continuous duty cycles. The aerodynamic impeller design is specifically tuned to deliver a robust 0.40A current draw at peak performance, achieving a rated speed of 4500 RPM to overcome significant static pressure within cramped enclosures. This model is an essential component for maintaining system stability, providing a maximum airflow of 52.5 CFM to ensure critical components remain within safe operating temperatures.

Model Number: DS08025R24U-003

Brand: AVC

Product Type: DC 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: Hydraulic Bearing

Max. Air Flow: 52.5 CFM (89.2 m³/h / 1.49 m³/min)

Max. Static Pressure: 8.2 mmH₂O (80.4 Pa / 0.32 inH₂O)

Dimensions: 80 x 80 x 25 mm

Weight: 85 g

Life Expectancy: 50,000 Hours at 40°C

Noise Level: 42.5 dB(A)

Housing Material: Plastic (UL94V-0)

Blade Material: Plastic (UL94V-0)

Termination: 3-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, RoHS

DS08025R24U-003 Applications

1. VFD Inverter Cooling: Engineered to overcome the high system impedance of frequency converters, serving as a high-reliability replacement fan for internal power module ventilation.
2. Industrial Power Supplies: The hydraulic bearing system provides the low-vibration stability required for sensitive switch-mode power supply (SMPS) environments.
3. 2U Rackmount Chassis: Compact 80mm form factor with high static pressure capability makes it ideal for dense server enclosures requiring targeted airflow over heat sinks.

Supplemental Images

