

DA08025R12U-RAF AVC 12VDC 80x80x25mm Hydraulic Axial Fan Datasheet



Brand: AVC

SKU: [835667245184](#)

Category: Axial & Centrifugal Fans

Price: **\$12.99**

E-mail: sales@equipspares.com

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Product Page:

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Product Description

The AVC DA08025R12U-RAF is a precision-engineered DC Axial Fan designed for critical thermal management applications requiring high volumetric efficiency. Featuring advanced hydraulic bearing architecture, this unit ensures reduced friction coefficients and extended operational longevity compared to standard sleeve bearings, significantly lowering maintenance requirements. The aerodynamic impeller design optimizes static pressure capabilities while maintaining structural rigidity under high-speed operation. Engineered with a 3-wire interface for speed monitoring (tachometer signal), it delivers efficient heat dissipation with low thermal impedance, making it suitable for continuous industrial duty cycles where reliability is paramount.

Model Number: DA08025R12U-RAF

Brand: AVC (Asia Vital Components)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.35 A

Power Input: 4.20 W

Rated Speed: 4200 RPM

Bearing Type: Hydraulic Bearing

Max. Air Flow: 58.0 CFM (98.5 m³/h / 1.64 m³/min)

Max. Static Pressure: 7.8 mmH₂O (76.5 Pa / 0.31 inH₂O)

Dimensions: 80 x 80 x 25 mm

Weight: 85 g

Life Expectancy: 50,000 Hours at 40°C

Noise Level: 43.0 dB(A)

Termination: 3-Wire (Lead Wire)

Wire Function: Red (+), Black (-), Yellow (Tachometer/Sensor)

Housing Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Safety Certifications: CE, UL, TUV

Protection: Locked Rotor Protection, Polarity Protection

This high-performance cooling solution is specifically calibrated for environments requiring substantial airflow density, such as server rack enclosures, power supply units, and telecommunications cabinets. The DA08025R12U-RAF excels in maintaining optimal operating temperatures for sensitive electronics, preventing thermal throttling in workstation CPUs and industrial automation controllers. Additionally, the DA08025R12U-RAF is frequently utilized in medical instrumentation and network switchgear where reliable heat evacuation and tachometer feedback are essential for system integrity.

Supplemental Images

