

# DESA0938B2M-P001 AVC 12VDC 90x90x38mm Axial Fan Datasheet



**Brand:** AVC

**SKU:** [864894688457](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$19.99**

---

**E-mail:** [sales@equipspares.com](mailto:sales@equipspares.com)

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

---

Product Page:

<https://www.equipspares.com/product/desa0938b2m-p001-avc-12vdc-90x90x38mm-axial-fan>

---

## Product Description

---

AVC DESA0938B2M-P001 is a 12VDC 90x90x38mm Axial Fan optimized for high-density thermal management in environments with significant system impedance. This unit features a sophisticated brushless DC motor architecture paired with a precision dual ball bearing system to ensure structural rigidity and extended service life under continuous operation. The aerodynamic impeller design is engineered to maximize static pressure, effectively overcoming the resistance of tightly packed electronic components. Operating at a rated current of 0.75A, this fan delivers high-velocity airflow while maintaining precise thermal regulation via its integrated 4-wire PWM speed control interface, allowing for dynamic RPM adjustments based on real-time cooling requirements.

Model Number: DESA0938B2M-P001

Brand: AVC

Product Type: Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.75 A

Power: 9.0 W

Rated Speed: 4500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 92.45 CFM (157.1 m<sup>3</sup>/h)

Max. Static Pressure: 14.80 mmH<sub>2</sub>O (145.1 Pa)

Dimensions: 90 x 90 x 38 mm

Weight: 195 g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM (Pulse Width Modulation)

Monitoring Output: Tachometer / Signal Output

Termination: 4-Wire Lead Wires

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Insulation Class: Class A

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +75 °C

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

Certifications: UL, TUV, CE, RoHS

DESA0938B2M-P001 Applications

1. 2U Rackmount Servers: The 38mm depth and high static pressure profile make it an ideal replacement fan for overcoming the high impedance of densely populated server chassis.
2. Industrial Power Supplies: Optimized for cooling high-wattage SMPS units where consistent airflow is required to prevent thermal throttling of power semiconductors.
3. Telecommunications Base Stations: The dual ball bearing architecture provides the necessary reliability for remote outdoor enclosures requiring 24/7 thermal stabilization.

## Supplemental Images

---

