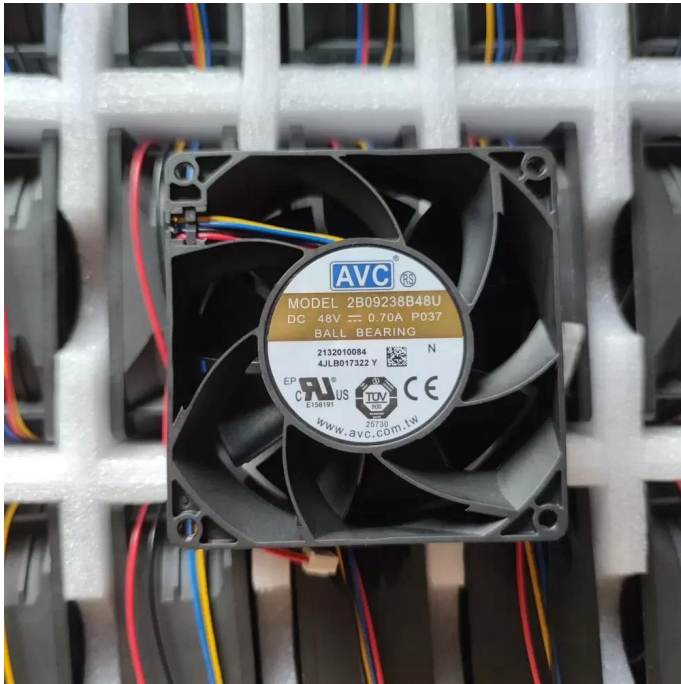


2B09238B48U-P037 AVC 48VDC 92x92x38mm PWM Axial Fan Datasheet



Brand: AVC

SKU: [820291852796](#)

Category: Axial & Centrifugal Fans

Price: **\$16.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/2b09238b48u-p037-avc-48vdc-92x92x38mm-pwm-axial-fan>

Product Description

The AVC 2B09238B48U-P037 is a precision-engineered DC axial fan designed for high-impedance thermal management systems requiring substantial airflow and pressure. Utilizing advanced dual ball bearing architecture, this unit ensures long-term operational stability and reduced friction under continuous load conditions. The aerodynamic impeller geometry is optimized to deliver high static pressure, making it ideal for overcoming resistance in dense enclosure environments. Constructed with a robust thermoplastic frame, the 2B09238B48U-P037 maintains structural rigidity while minimizing vibration-induced noise. Its 4-wire PWM configuration allows for dynamic speed regulation, optimizing the balance between thermal dissipation and acoustic performance in demanding industrial applications.

Model Number: 2B09238B48U-P037

Brand: AVC (Asia Vital Components)

Product Type: DC Axial Fan

Rated Voltage: 48VDC

Voltage Range: 28.0 - 56.0 VDC

Rated Current: 0.70 A

Power Input: 33.6 W

Rated Speed: 6000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 130.5 CFM (221.7 m³/h / 3.69 m³/min)

Max. Static Pressure: 24.8 mmH₂O (243.2 Pa / 0.97 inH₂O)

Dimensions: 92x92x38mm

Weight: 210 g

Noise Level: 58.5 dBA

Life Expectancy: 70,000 Hours at 40°C

Termination: 4-Wire (Red +, Black -, Yellow Tach, Blue PWM)

Speed Control: PWM / Tachometer Output

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP40

Safety Approvals: CE, UL, TUV

The 2B09238B48U-P037 is specifically engineered for critical cooling tasks within industrial inverters, frequency converters, and high-density server racks. Its high static pressure capabilities allow it to force air effectively through restrictive heatsinks and tightly packed electronic components found in telecommunications equipment. Maintenance engineers frequently deploy the 2B09238B48U-P037 in network switches and power supply units where reliability is paramount. Additionally, this model serves as a robust thermal solution for CNC machinery control panels, ensuring consistent operation by preventing thermal throttling in sensitive processing units.

Supplemental Images

