

2B09238B48UP134 AVC 48VDC 90x90x38mm PWM Axial Fan Datasheet



Brand: AVC

SKU: 848602777808

Category: Axial & Centrifugal Fans

Price: **\$16.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/2b09238b48up134-avc-48vdc-90x90x38mm-pwm-axial-fan>

Product Description

The AVC 2B09238B48UP134 is a precision-engineered DC Axial Fan designed for mission-critical thermal management in high-density industrial environments. Utilizing advanced DC motor technology and a robust Dual Ball Bearing architecture, this unit minimizes frictional losses while maximizing rotational stability under continuous load. The aerodynamic impeller geometry is optimized to deliver superior static pressure, effectively overcoming high thermal impedance in restricted enclosures. Constructed with high-grade thermoplastic housing to ensure structural rigidity, the 2B09238B48UP134 integrates sophisticated speed control mechanisms to balance airflow performance with energy efficiency, making it an ideal solution for demanding cooling applications requiring reliability and longevity.

Model Number: 2B09238B48UP134

Brand: AVC (Asia Vital Components)

Product Type: DC Axial Fan

Rated Voltage: 48VDC

Voltage Range: 36.0 - 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: 28.5 mmH₂O (279.5 Pa / 1.12 inH₂O)

Dimensions: 90 x 90 x 38 mm

Weight: 220 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 58.5 dB(A)

Speed Control: PWM (Pulse Width Modulation)

Signal Output: Tachometer (Frequency Generator)

Ingress Protection: IP54 (Standard)

Insulation Class: Class A

Housing Material: PBT Thermoplastic (UL94V-0)

Impeller Material: PBT Thermoplastic (UL94V-0)

Termination: 4-Wire Lead with Connector

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Mounting Orientation: Any

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

Certifications: UL, cUL, TUV, CE, RoHS

This high-performance cooling solution is specifically engineered for deployment in enterprise-grade server racks, telecommunications base stations, and precision industrial automation equipment where sustained airflow is critical. The AVC 2B09238B48UP134 excels in environments with high component density, effectively dissipating heat from power supplies and CPU heatsinks. Additionally, the AVC 2B09238B48UP134 is frequently utilized in network switches and storage arrays, ensuring optimal operating temperatures are maintained to prevent thermal throttling and hardware degradation in 24/7 operational cycles.

Supplemental Images

