

2B12038B48U-P188 AVC 48VDC 120x120x38mm PWM Axial Fan Datasheet



Brand: AVC

SKU: 983544330916

Category: Axial & Centrifugal Fans

Price: \$18.99

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/2b12038b48u-p188-avc-48vdc-120x120x38mm-pwm-axial-fan>

Product Description

The AVC 2B12038B48U-P188 is a high-capacity DC Axial Fan engineered by Asia Vital Components for demanding industrial thermal management applications. Utilizing a precision-machined Dual Ball Bearing architecture, this unit ensures minimal frictional coefficient and exceptional structural rigidity under continuous high-speed operation. The aerodynamic impeller design optimizes static pressure delivery while maintaining substantial airflow throughput, effectively lowering thermal impedance in high-density enclosures. Powered by a robust 48VDC motor with Pulse Width Modulation (PWM) integration, it offers precise speed regulation and enhanced energy efficiency, making it a critical component for systems requiring rigorous thermal dissipation and long-term reliability.

Model Number: 2B12038B48U-P188

Brand: AVC (Asia Vital Components)

Product Type: DC Axial Fan

Rated Voltage: 48VDC

Rated Current: 1.30 A

Power Consumption: 62.4 W

Rated Speed: 5800 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 253 CFM

Dimensions: 120 x 120 x 38 mm

Noise Level: 68 dB(A)

Life Expectancy: 100,000 Hours (at 25°C, 45-85% RH)

Termination: 4-Wire Lead

Connector: 4-Pin Interface

Speed Control: PWM (Pulse Width Modulation), Tachometer Output

Mounting Style: Flange Mount

Application: Industrial Equipment, Server Cooling

This high-static pressure cooling solution is specifically designed for mission-critical environments such as enterprise server racks, telecommunications base stations, and industrial CNC machinery. The 2B12038B48U-P188 excels in removing heat from high-wattage power supplies and dense computing clusters where airflow restriction is a significant challenge. Additionally, the 2B12038B48U-P188 is suitable for water cooling radiator support and specialized medical instrumentation, ensuring stable operating temperatures for sensitive electronic components.

Supplemental Images

