

DBPF1238B8F-Y002 AVC 48VDC 120x120x38mm Aluminum Axial Fan Datasheet



Brand: AVC

SKU: [1007473907842](#)

Category: Axial & Centrifugal Fans

Price: **\$21.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/dbpf1238b8f-y002-avc-48vdc-120x120x38mm-aluminum-axial-fan>

Product Description

The AVC DBPF1238B8F-Y002 is a high-performance DC axial fan engineered for demanding industrial and server cooling environments. Utilizing advanced brushless DC motor technology housed within a robust die-cast aluminum frame, this unit ensures superior structural rigidity and effective thermal management under high-load conditions. The aerodynamic impeller design is optimized to deliver substantial airflow while maintaining static pressure stability, making it ideal for overcoming high system impedance. Equipped with a precision ball bearing system, the DBPF1238B8F-Y002 offers extended operational longevity and reliability. Its 4-wire interface supports precise speed control, allowing for dynamic thermal regulation essential for critical electronic infrastructure.

Model Number: DBPF1238B8F-Y002

Brand: AVC (Asia Vital Components)

Product Type: DC Axial Fan

Rated Voltage: 48 VDC

Voltage Range: 36.0 - 57.0 VDC

Rated Current: 2.60 A

Power: 124.8 W

Rated Speed: 5500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 220.0 CFM (373.8 m³/h / 6.23 m³/min)

Max. Static Pressure: 38.1 mmH₂O (373.6 Pa / 1.50 inH₂O)

Dimensions: 120 x 120 x 38 mm

Weight: 420 g

Life Expectancy: 70,000 Hours at 40°C

Frame Material: Die-Cast Aluminum

Impeller Material: Thermoplastic PBT (UL94V-0)

Termination: 4-Wire Leads

Speed Control: PWM / Tachometer Output

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP54

The DBPF1238B8F-Y002 is specifically designed for high-density server racks and telecommunications enclosures where heat dissipation is critical due to its high static pressure capabilities. Its robust aluminum construction makes it equally suitable for industrial automation equipment, such as CNC machines and heavy-duty welding apparatus, which require consistent cooling in harsh environments. By integrating the DBPF1238B8F-Y002 into these systems, operators ensure reliable thermal regulation for sensitive components, preventing overheating in continuous-duty cycles.

Supplemental Images

