

# DBPK1238B2M-P015 AVC 12VDC 120x120x38mm 3.60A PWM Axial Fan Datasheet



**Brand:** AVC

**SKU:** 997854313108

**Category:** Axial & Centrifugal Fans

**Price:** **\$18.99**

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Product Page:

<https://www.equipspares.com/product/dbpk1238b2m-p015-avc-12vdc-120x120x38mm-3-60a-pwm-axial-fan>

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## Product Description

The AVC DBPK1238B2M-P015 is a high-performance DC axial fan engineered for mission-critical thermal management in high-density electronic environments. Featuring an advanced aerodynamic impeller design housed within a reinforced thermoplastic frame, this unit optimizes airflow dynamics to minimize thermal impedance across heat sinks and system components. Driven by a high-torque DC motor and supported by a precision dual ball bearing architecture, it ensures exceptional structural rigidity and operational longevity under continuous load. The 4-wire configuration enables precise Pulse Width Modulation (PWM) speed control, allowing for dynamic thermal regulation and acoustic optimization based on real-time system demands. This high-static pressure solution is specifically calibrated for demanding industrial and server-grade cooling applications where reliability is non-negotiable.

Model Number: DBPK1238B2M-P015

Brand: AVC (Asia Vital Components)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 3.60 A

Power Input: 43.2 W

Rated Speed: 5500 RPM (Nominal)

Bearing Type: Dual Ball Bearing

Max. Air Flow: 220.0 CFM (373.78 m<sup>3</sup>/h / 6.23 m<sup>3</sup>/min)

Max. Static Pressure: 28.5 mmH<sub>2</sub>O (279.5 Pa / 1.12 inH<sub>2</sub>O)

Dimensions: 120 x 120 x 38 mm

Frame Material: PBT Thermoplastic (UL94V-0)

Impeller Material: PBT Thermoplastic (UL94V-0)

Termination: 4-Wire Leads with Connector

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

Speed Control: PWM (Pulse Width Modulation)

Ingress Protection: IP54 (Dust Protected)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Life Expectancy: 70,000 Hours at 40°C

Mounting Orientation: Any

The DBPK1238B2M-P015 is frequently deployed in high-performance computing clusters, enterprise server racks, and telecommunications infrastructure where rapid heat dissipation is paramount. Its high static pressure capabilities make the DBPK1238B2M-P015 ideal for forcing air through dense obstructions such as radiator fins, drive cages, and tightly packed industrial enclosures, ensuring component stability during peak operational cycles.

## Supplemental Images

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