

# DV12038B12M-P149 AVC 12VDC 120x120x38mm 4-Wire Axial Fan Datasheet



**Brand:** AVC

**SKU:** [930615331622](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$16.99**

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Product Page:

<https://www.equipspares.com/product/dv12038b12m-p149-avc-12vdc-120x120x38mm-4-wire-axial-fan>

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## Product Description

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The AVC DV12038B12M-P149 is a high-capacity DC axial fan engineered for critical thermal management in dense electronic environments. Utilizing a robust DC motor architecture paired with a precision dual ball bearing system, this unit is designed to withstand continuous operation while minimizing frictional wear and extending service life. The aerodynamic impeller profile is specifically calibrated to deliver exceptional volumetric airflow and high static pressure, effectively overcoming the thermal impedance found in tightly packed server chassis and industrial enclosures. The fan features a durable thermoplastic housing that provides necessary structural rigidity, ensuring stability at high rotational speeds. With its 4-wire configuration, it supports precise Pulse Width Modulation (PWM) speed control, allowing for dynamic thermal regulation based on system load.

Model Number: DV12038B12M-P149

Brand: AVC (Asia Vital Components)

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 3.23 A

Power Input: 38.76 W

Rated Speed: 5500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 220.0 CFM (373.8 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

Weight: 380 g

Life Expectancy: 70,000 Hours at 40°C

Termination: 4-Wire (PWM Speed Control + Tachometer)

Connector: Standard 4-Pin Server Header

Housing Material: PBT Thermoplastic (UL94V-0)

Blade Material: PBT Thermoplastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Noise Level: 61.5 dB(A)

Ingress Protection: IP20

Safety Protection: Locked Rotor Protection, Polarity Protection

Certifications: CE, UL, TUV, RoHS

The DV12038B12M-P149 is primarily deployed in enterprise-grade hardware such as rack-mounted servers, blade chassis, and telecommunications base stations where component density restricts natural convection. Due to its high static pressure capabilities, the DV12038B12M-P149 is also frequently utilized in ASIC mining rigs and industrial automation cabinets that require forced air cooling through restrictive filters or heatsinks. Its robust design ensures reliability in 24/7 operational cycles.

## Supplemental Images

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