

# DB04028B12U AVC 12VDC 40x40x28mm 0.96A Axial Fan Datasheet



**Brand:** AVC

**SKU:** [993928066360](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$6.99**

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Product Page:

<https://www.equipspares.com/product/db04028b12u-avc-12vdc-40x40x28mm-0-96a-axial-fan>

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## Product Description

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The AVC DB04028B12U is a high-performance DC axial fan engineered for density-critical applications requiring exceptional static pressure and airflow throughput. Utilizing advanced brushless DC motor technology paired with a robust dual ball bearing architecture, this unit ensures superior structural rigidity and reduced thermal impedance during continuous high-speed operation. The aerodynamic impeller is precision-molded to optimize air intake and exhaust efficiency, effectively overcoming high system impedance in restricted enclosures. Integrated Pulse Width Modulation (PWM) control allows for dynamic speed regulation, enabling precise thermal management and energy efficiency in demanding industrial and enterprise computing environments.

Model Number: DB04028B12U

Brand: AVC (Asia Vital Components)

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 0.96 A

Power Input: 11.52 W

Rated Speed: 13000 RPM (Nominal)

Bearing Type: Dual Ball Bearing

Max. Air Flow: 24.8 CFM (42.1 m<sup>3</sup>/h / 0.70 m<sup>3</sup>/min)

Max. Static Pressure: 1.95 inH<sub>2</sub>O (485 Pa / 49.5 mmH<sub>2</sub>O)

Dimensions: 40 x 40 x 28 mm

Weight: 48 g

Life Expectancy: 70,000 Hours @ 40°C

Speed Control: 4-Wire PWM (Pulse Width Modulation)

Termination: 4-Pin 2510 Motherboard Connector

Wire Configuration: Red (+), Black (-), Yellow (Sensor), Blue (PWM)

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP40

Safety Certifications: CE, TUV, UL, CUL

This compact high-static pressure fan is specifically designed for 1U server chassis and high-density blade servers where space is limited and airflow resistance is high. The DB04028B12U is ideal for cooling RAID cards, power supply units, and high-performance heatsinks within telecommunications infrastructure. Furthermore, the DB04028B12U serves as a critical component in industrial automation equipment and compact medical devices, ensuring reliable thermal dissipation for sensitive electronics under heavy load conditions.

## Supplemental Images

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