

B4020B12H AVC 12VDC 40x40x20mm Axial Fan Datasheet



Brand: AVC

SKU: [895911970234](#)

Category: Axial & Centrifugal Fans

Price: **\$9.99**

E-mail: sales@equipspares.com

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

Product Page: <https://www.equipspares.com/product/b4020b12h-avc-12vdc-40x40x20mm-axial-fan>

Product Description

The AVC B4020B12H is a precision-engineered DC Axial Fan designed for high-density thermal management applications requiring reliable airflow in compact spaces. Featuring a robust Dual Ball Bearing architecture, this unit ensures minimized friction and extended operational longevity under continuous load conditions. The aerodynamic impeller design optimizes airflow while maintaining structural rigidity, effectively reducing thermal impedance in compact electronic enclosures. Engineered for reliability, the B4020B12H utilizes advanced motor technology to deliver consistent performance, making it an ideal solution for critical cooling requirements where space constraints and durability are paramount.

Model Number: B4020B12H

Brand: AVC (Asia Vital Components)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.18 A

Power Consumption: 2.16 W

Rated Speed: 7500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 9.50 CFM (16.14 m³/h / 0.27 m³/min)

Max. Static Pressure: 6.80 mmH₂O (66.68 Pa / 0.27 inH₂O)

Dimensions: 40x40x20mm

Weight: 28 g

Life Expectancy: 70,000 Hours @ 40°C

Termination: 3-Wire (Lead Wire)

Speed Control: Tachometer Output (FG Signal)

Housing Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Noise Level: 32.0 dB(A)

The B4020B12H is frequently utilized in compact industrial electronics and telecommunications equipment requiring efficient heat dissipation. Its compact form factor allows for seamless integration into 1U server racks, network switches, and small-scale power supplies where internal clearance is limited. Additionally, the B4020B12H serves as a critical component in medical instrumentation and CNC control modules, ensuring stable operating temperatures for sensitive components.

Supplemental Images

