

# DBTA0420B2H-P040 AVC 12VDC 40x40x20mm PWM Axial Fan Datasheet



**Brand:** AVC

**SKU:** [1014455028278](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$14.99**

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Product Page:

<https://www.equipspares.com/product/dbta0420b2h-p040-avc-12vdc-40x40x20mm-pwm-axial-fan>

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## Product Description

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The AVC DBTA0420B2H-P040 is a high-velocity DC axial fan engineered for critical thermal management in dense electronic assemblies. Utilizing advanced DC motor technology coupled with a high-precision dual ball bearing architecture, this unit ensures exceptional rotational stability and prolonged operational lifespan under continuous load. The aerodynamic design of the impeller minimizes turbulence while maximizing static pressure delivery, effectively reducing thermal impedance in restricted enclosures. Featuring Pulse Width Modulation (PWM) signal integration, it allows for dynamic speed regulation, optimizing the balance between acoustic performance and cooling efficiency for sophisticated industrial and computing applications.

Model Number: DBTA0420B2H-P040

Brand: AVC (Asia Vital Components)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.38 A

Power: 4.56 W

Rated Speed: 14450 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 18.2 CFM (30.9 m<sup>3</sup>/h)

Max. Static Pressure: 16.5 mmH<sub>2</sub>O (161.8 Pa)

Dimensions: 40 x 40 x 20 mm

Noise Level: 34.5 dBA

Speed Control: PWM (Pulse Width Modulation)

Termination: 4-Wire Lead

Life Expectancy: 70,000 Hours at 40°C

Operating Temperature: -10°C to +70°C

Material: PBT (UL94V-0)

Application: Server/Northbridge Cooling

The DBTA0420B2H-P040 is specifically designed for high-density computing environments, making it an ideal solution for cooling Northbridge chipsets and compact server components where space is at a premium. Its high rotational speed and static pressure capabilities allow the DBTA0420B2H-P040 to effectively penetrate dense heatsink fins found in 1U rackmount servers, industrial automation controllers, and precision medical instrumentation. Additionally, the PWM functionality renders it suitable for dynamic thermal loads in telecommunications equipment and network switches.

## Supplemental Images

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