

V60E12BS1B5-07A024 Nidec 1.60A 12VDC 60x60x38mm Axial Fan Datasheet



Brand: Nidec

SKU: [742809469920](#)

Category: Axial & Centrifugal Fans

Price: **\$17.99**

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Product Page:

<https://www.equipspares.com/product/v60e12bs1b5-07a024-nidec-1-60a-12vdc-60x60x38mm-axial-fan>

Product Description

The Nidec V60E12BS1B5-07A024 is a high-performance DC Axial Fan engineered for demanding thermal management applications within the industrial and server sectors. Part of the renowned UltraFlo series, this unit utilizes advanced aerodynamic blade geometry to deliver exceptional airflow relative to its compact 60mm footprint. The motor assembly features a robust dual ball bearing architecture, ensuring reduced friction, enhanced structural rigidity, and extended longevity under high-speed operation. Designed with a 4-wire interface, it supports precise speed modulation via PWM, optimizing the balance between thermal impedance reduction and acoustic output. Its construction meets rigorous industrial standards, making it suitable for continuous duty cycles in critical electronic enclosures requiring high static pressure capabilities.

Model Number: V60E12BS1B5-07A024

Brand: Nidec

Series: UltraFlo

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Operating Voltage Range: 7.0 - 13.2 VDC

Rated Current: 1.60 A

Input Power: 19.2 W

Rated Speed: 11500 RPM

Max. Air Flow: 67.3 CFM (114.34 m³/h / 1.90 m³/min)

Max. Static Pressure: 480 Pa (48.95 mmH₂O / 1.93 inH₂O)

Noise Level: 58.5 dB(A)

Bearing Type: Dual Ball Bearing

Dimensions: 60 x 60 x 38 mm

Weight: 130 g

Termination: 4-Wire (Lead Wires)

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

Housing Material: PBT Plastic (UL94V-0)

Blade Material: PA66 Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 70,000 Hours at 40°C

Ingress Protection: IP40

Safety Certifications: UL, cUL, TUV, CE

This cooling solution is specifically optimized for high-density electronic environments such as 2U server racks and telecommunications equipment. The V60E12BS1B5-07A024 excels in forcing air through restrictive chassis zones where high static pressure is required to overcome impedance from heatsinks and dense cabling. Additionally, the V60E12BS1B5-07A024 is frequently utilized in precision industrial machinery, power supply units, and network switchgear, providing reliable thermal dissipation to prevent component throttling and ensure system stability.

Supplemental Images

