

V60E12BS1M3-07 Nidec 12VDC 60x60x38mm 20550RPM Axial Fan Datasheet



Brand: Nidec

SKU: 914699493272

Category: Axial & Centrifugal Fans

Price: \$12.99

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Product Page:

<https://www.equipspares.com/product/v60e12bs1m3-07-nidec-12vdc-60x60x38mm-20550rpm-axial-fan>

Product Description

The Nidec V60E12BS1M3-07 is a high-static pressure axial fan designed for mission-critical thermal management within the renowned UltraFlo series. Engineered with advanced DC motor technology and a precision dual ball bearing architecture, this unit ensures exceptional rotational stability and longevity under continuous high-speed operation. The aerodynamic blade geometry is optimized to minimize thermal impedance while maximizing airflow throughput, making it ideal for high-density server environments where back pressure is a significant factor. Its robust housing provides superior structural rigidity, effectively mitigating vibration-induced noise and mechanical stress. With a rated speed of 20,550 RPM, this component delivers aggressive cooling performance, ensuring optimal operating temperatures for sensitive electronic components in demanding industrial and enterprise applications.

Model Number: V60E12BS1M3-07

Brand: Nidec

Series: UltraFlo

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 2.39 A

Power Consumption: 28.68 W

Rated Speed: 20550 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 68.50 CFM (116.38 m³/h)

Max. Static Pressure: 2.45 inH₂O (610 Pa)

Dimensions: 60 x 60 x 38 mm

Noise Level: 64.0 dB(A)

Termination: 4-Wire / 4-Pin Connector

Wire Length: 40 mm

Speed Control: PWM (Pulse Width Modulation)

Signal Output: Tachometer (Frequency Generator)

Housing Material: PBT Plastic (UL94V-0)

Blade Material: PBT Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Mounting Orientation: Any

Ingress Protection: IP20

Weight: 130 g

The V60E12BS1M3-07 is specifically engineered for high-impedance environments such as 1U and 2U server racks where overcoming system resistance is critical for heat dissipation. Its compact yet powerful design makes it a staple in enterprise computing clusters, blade servers, and high-performance storage arrays requiring substantial static pressure. Additionally, the V60E12BS1M3-07 serves effectively in industrial automation equipment and telecommunications infrastructure, providing reliable forced convection cooling to prevent thermal throttling in densely packed electronic enclosures.

Supplemental Images

