

V60E12BS2F5-07T061 Nidec 12VDC 3.00A 60x60x38mm Axial Fan Datasheet



Brand: Nidec

SKU: 823904711683

Category: Axial & Centrifugal Fans

Price: \$28.99

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Product Description

The Nidec V60E12BS2F5-07T061 is a high-performance Axial Fan engineered for mission-critical thermal management within dense electronic enclosures. Part of the distinguished UltraFlo series, this unit features an advanced aerodynamic impeller design that maximizes airflow throughput while maintaining exceptional structural rigidity under high-velocity rotation. The motor assembly is driven by a robust 12VDC architecture, drawing 3.00A to generate significant static pressure, making it ideal for overcoming high system impedance. Utilizing Nidec's precision bearing technology, the fan ensures reduced thermal impedance and long-term operational reliability. The chassis is constructed to meet rigorous industrial standards, providing a durable solution for applications requiring rapid heat dissipation and continuous duty cycles.

Model Number: V60E12BS2F5-07T061

Brand: Nidec

Product Type: DC Axial Fan

Series: UltraFlo

Rated Voltage: 12VDC

Operating Voltage Range: 10.2 - 13.8 VDC

Rated Current: 3.00 A

Input Power: 36.0 W

Rated Speed: 14500 RPM

Max. Air Flow: 68.5 CFM (116.4 m³/h / 1.94 m³/min)

Max. Static Pressure: 2.85 inH₂O (710 Pa / 72.4 mmH₂O)

Bearing Type: Dual Ball Bearing

Dimensions: 60 x 60 x 38 mm

Frame Material: Reinforced PBT (UL94V-0)

Impeller Material: Reinforced PBT (UL94V-0)

Termination: 4-Wire Leads

Speed Control: PWM (Pulse Width Modulation)

Signal Output: Tachometer (FG Signal)

Ingress Protection: IP20

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Noise Level: 64.5 dB(A)

Weight: 130 g

Life Expectancy: 70,000 Hours at 40°C

This heavy-duty cooling component is specifically designed for integration into high-density server racks and enterprise computing hardware. The V60E12BS2F5-07T061 is particularly effective in 1U and 2U chassis configurations where back-pressure is significant due to tightly packed components and heatsinks. Furthermore, the V60E12BS2F5-07T061 is widely deployed in telecommunications infrastructure, network switches, and industrial automation equipment, ensuring critical systems remain within safe thermal operating limits.

Supplemental Images

