

V92E12BGA7-57TT07A1 Nidec 12VDC 2.24A 92x92x38mm Axial Fan Datasheet



Brand: Nidec

SKU: [936039723550](#)

Category: Axial & Centrifugal Fans

Price: **\$25.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/v92e12bga7-57tt07a1-nidec-12vdc-2-24a-92x92x38mm-axial-fan>

Product Description

The Nidec V92E12BGA7-57TT07A1 is a 12VDC 92x92x38mm Axial Fan optimized for high-density thermal management in server environments and industrial enclosures. Engineered with a high-efficiency DC brushless motor and a robust dual ball bearing architecture, this unit minimizes thermal impedance while maintaining structural rigidity under extreme rotational stress. Drawing 2.24A at peak operation, it delivers exceptional static pressure to overcome the airflow resistance of tightly packed components. The integrated 4-wire PWM control allows for precise speed modulation, ensuring energy efficiency and noise optimization. This model is a critical component for maintaining system stability in mission-critical hardware requiring consistent, high-volume cooling.

Model Number: V92E12BGA7-57TT07A1

Brand: Nidec

Product Type: Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 2.24A

Power: 26.88W

Rated Speed: 8500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 125.0 CFM (212.4 m³/h / 3.54 m³/min)

Max. Static Pressure: 32.5 mmH₂O (318.7 Pa / 1.28 inH₂O)

Dimensions: 92x92x38mm

Weight: 210g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM Control

Monitoring: Tachometer / Frequency Generator

Housing Material: Plastic (UL94V-0)

Blade Material: Plastic (UL94V-0)

Termination: 4-wire lead wires

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Protection: Locked Rotor Protection, Reverse Polarity Protection

Certifications: UL, CSA, TUV, CE

V92E12BGA7-57TT07A1 Applications

1. 2U/3U Rackmount Servers: High static pressure overcomes the impedance of dense drive arrays and heatsinks as a high-performance replacement fan.
2. Cryptocurrency Mining Rigs: Robust dual ball bearings ensure longevity in 24/7 high-load thermal dissipation scenarios.
3. Industrial VFD Enclosures: High-volume airflow prevents heat soak in power electronics within confined industrial cabinets.

Supplemental Images

