# V80E12BGA7-07Z88 Nidec 12VDC 1.73A 80x80x38mm Axial Fan Datasheet


**Brand:** Nidec

**SKU:** 758255506347

**Category:** Axial & Centrifugal Fans

**Price:** **$19.99**

**E-mail:** sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/v80e12bga7-07z88-nidec-12vdc-1-73a-80x80x38mm-axial-fan

## Product Description

The Nidec V80E12BGA7-07Z88 is a high-performance Axial Fan engineered for demanding thermal management environments requiring significant structural rigidity and low thermal impedance. Utilizing Nidec's UltraFlo motor technology, this DC-powered unit features a precision-engineered dual ball bearing architecture designed to maintain rotational stability under high static pressure loads. The aerodynamic blade geometry is optimized to maximize laminar flow while minimizing acoustic turbulence, ensuring efficient heat dissipation in high-density electronic enclosures. Its robust construction and integrated electronic protections make it a reliable component for mission-critical industrial cooling applications.

Model Number: V80E12BGA7-07Z88
Brand: Nidec
Product Type: Axial Fan
Rated Voltage: 12VDC
Voltage Range: 7.0 - 13.8 VDC
Rated Current: 1.73 A
Power: 20.76 W
Rated Speed: 8000 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 102.4 CFM (174.0 $m^3/h$)

Max. Static Pressure: 32.5 mm$H_2O$ (318.7 Pa)
Dimensions: 80x80x38mm
Weight: 210g
Life Expectancy: 70,000 Hours at 40°C
Speed Control: PWM Signal
Monitoring Output: Tachometer (FG Signal)
Termination: 4-Wire Lead Wires
Material: UL94V-0 Thermoplastic
Protection: Locked Rotor Protection, Reverse Polarity Protection
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +75°C

This high-output cooling solution is specifically designed for integration into server chassis, telecommunications base stations, and industrial power supply units where the V80E12BGA7-07Z88 provides essential airflow through restrictive heat sinks. The V80E12BGA7-07Z88 is also frequently utilized in medical imaging equipment and automated CNC control cabinets to prevent component overheating during continuous operation cycles.

## Supplemental Images