

# W40S12BS4A5-07A043 Nidec 12VDC 40x40x28mm Axial Fan Datasheet



**Brand:** Nidec

**SKU:** [1029044405218](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$14.99**

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**E-mail:** [sales@equipspares.com](mailto:sales@equipspares.com)

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

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Product Page:

<https://www.equipspares.com/product/w40s12bs4a5-07a043-nidec-12vdc-40x40x28mm-axial-fan>

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## Product Description

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The Nidec W40S12BS4A5-07A043 is a high-performance 40x40x28mm axial fan designed for demanding industrial cooling applications. Operating at a rated 12VDC with a current draw of 0.73A, this UltraFlo series fan delivers exceptional airflow and static pressure within a compact form factor. It features a robust dual ball bearing system for extended life expectancy and reliable 24/7 operation. The 4-wire configuration supports precise speed control via PWM, making it an ideal solution for thermal management in server chassis and power supplies. This industrial-grade cooling fan ensures efficient heat dissipation for sensitive electronic components requiring consistent 12VDC power delivery.

Model Number: W40S12BS4A5-07A043

Brand: Nidec

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.73A

Power: 8.76W

Rated Speed: 16500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 24.5 CFM (41.6 m<sup>3</sup>/h / 0.69 m<sup>3</sup>/min)

Max. Static Pressure: 35.0 mmH<sub>2</sub>O (343.2 Pa / 1.38 inH<sub>2</sub>O)

Dimensions: 40x40x28mm

Weight: 52g

Life Expectancy: 70,000 Hours

Speed Control: 4-Wire PWM

Signal Output: Tachometer / FG Signal

Termination: 4-Pin Lead Wires

Housing Material: PBT Plastic (UL94V-0)

Blade Material: PBT Plastic (UL94V-0)

Operating Temperature: -10C to +70C

Storage Temperature: -40C to +75C

Protection: Locked Rotor Protection, Reverse Polarity Protection

The Nidec W40S12BS4A5-07A043 is primarily utilized in high-density server racks and network switches where space is limited but thermal demands are high. Its compact 40mm profile allows the W40S12BS4A5-07A043 to be integrated into power supply units (PSUs) and industrial workstations to prevent overheating. Additionally, it is frequently found in medical imaging equipment and telecommunications hardware that requires precise PWM speed modulation for acoustic and thermal optimization.

## Supplemental Images

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