

# W40S12BUB5-07T08 Nidec 12VDC 0.53A 40x40x28mm Axial Fan Datasheet



**Brand:** Nidec

**SKU:** [709018017718](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$18.99**

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Product Page:

<https://www.equipspares.com/product/w40s12bub5-07t08-nidec-12vdc-0-53a-40x40x28mm-axial-fan>

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## Product Description

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Nidec W40S12BUB5-07T08 is a 12VDC 40x40x28mm Axial Fan optimized for high-density server environments and thermal management in constrained spaces. Utilizing advanced DC brushless motor technology and a dual ball bearing architecture, this unit is engineered for maximum structural rigidity and minimal thermal impedance. Operating at a high-velocity 18,000 RPM, it delivers exceptional static pressure to overcome the airflow resistance of packed heat sinks. With a rated current of 0.53A, it balances power consumption with extreme cooling performance, ensuring long-term reliability in 24/7 industrial applications where heat dissipation is critical for component longevity.

Model Number: W40S12BUB5-07T08

Brand: Nidec

Product Type: Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.53 A

Power: 6.36 W

Rated Speed: 18000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 21.5 CFM (0.61 m<sup>3</sup>/min)

Max. Static Pressure: 1.15 inH<sub>2</sub>O (286 Pa)

Dimensions: 40 x 40 x 28 mm

Weight: 55 g

Life Expectancy: 70,000 hours at 40 °C

Speed Control: PWM (Pulse Width Modulation)

Termination: 4-pin Server Connector

Housing Material: Plastic (UL94V-0)

Blade Material: Plastic (UL94V-0)

Operating Temperature: -10 to +70 °C

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

#### W40S12BUB5-07T08 Applications

1. 1U/2U Rackmount Servers: High static pressure allows for efficient heat extraction through dense drive arrays and processor heatsinks.
2. Network Switches and Routers: Compact 40mm footprint fits standard chassis heights while providing the necessary CFM for high-speed packet processing chips.
3. Cryptocurrency Mining Rigs: Ideal replacement fan for specialized ASIC cooling modules requiring high-RPM airflow to prevent thermal throttling.

## Supplemental Images

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