

# MGT4012WB-W28 Magic 12VDC 40x40x28mm Server Axial Fan Datasheet



**Brand:** Protechnic

**SKU:** [805811049599](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$11.99**

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Product Page:

<https://www.equipspares.com/product/mgt4012wb-w28-magic-12vdc-40x40x28mm-server-axial-fan>

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## Product Description

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The Magic MGT4012WB-W28 is a high-performance DC axial fan engineered for mission-critical thermal management in high-density electronic enclosures. Featuring a robust Dual Ball Bearing architecture, this unit is designed to withstand continuous operation at high rotational speeds while maintaining structural rigidity and minimizing axial vibration. The aerodynamic impeller profile is optimized to generate significant static pressure, allowing it to overcome high thermal impedance in restricted airflow environments such as 1U server racks and industrial inverters. With a powerful 12VDC motor drawing 1.20A, the fan delivers aggressive cooling performance, ensuring rapid heat dissipation for power-dense components.

Model Number: MGT4012WB-W28

Brand: Magic (Protechnic Electric)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 1.20 A

Power Input: 14.40 W

Rated Speed: 18500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 26.50 CFM (45.02 m<sup>3</sup>/h / 0.75 m<sup>3</sup>/min)

Max. Static Pressure: 2.15 inH<sub>2</sub>O (535.5 Pa / 54.61 mmH<sub>2</sub>O)

Dimensions: 40 x 40 x 28 mm

Weight: 52 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 56.0 dB(A)

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Termination: Lead Wires

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP40

Safety Certifications: UL, CE, TUV

This compact yet powerful air mover is specifically utilized in applications where space is limited but heat generation is extreme. The MGT4012WB-W28 is widely adopted in the cooling of variable frequency drives (VFDs), industrial inverters, and high-density server power supplies. Furthermore, the MGT4012WB-W28 is suitable for telecommunications equipment and network switches requiring reliable forced air convection to prevent thermal throttling.

## Supplemental Images

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