

MGT4012XB-W48 Magic 12VDC 40x40x28mm Axial Fan Datasheet



Brand: Protechnic

SKU: [805248086041](#)

Category: Axial & Centrifugal Fans

Price: **\$14.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/mgt4012xb-w48-magic-12vdc-40x40x28mm-axial-fan>

Product Description

The Magic MGT4012XB-W48 is a heavy-duty DC axial fan engineered for high-static pressure applications requiring superior airflow density. Utilizing advanced brushless DC motor technology and a robust dual ball bearing architecture, this unit ensures exceptional structural rigidity and longevity under continuous high-speed operation. The aerodynamic impeller design minimizes thermal impedance, making it an optimal solution for tightly packed electronic enclosures where heat dissipation is critical. Its industrial-grade construction supports rigorous duty cycles in demanding environments.

Model Number: MGT4012XB-W48

Brand: Magic (Protechnic Electric)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Operating Voltage Range: 10.8 - 13.2 VDC

Rated Current: 1.40 A

Power Input: 16.8 W

Rated Speed: 23000 RPM (Estimated Class)

Dimensions: 40 x 40 x 28 mm

Bearing Type: Dual Ball Bearing

Max. Air Flow: 28.0 CFM (Estimated)

Max. Static Pressure: 2.80 inH₂O (Estimated)

Noise Level: 58.0 dBA

Termination: 4-Wire (PWM Control / Tachometer Output)

Connector: 4-Pin Server Header

Housing Material: PBT (UL94V-0)

Impeller Material: PBT (UL94V-0)

Operating Temperature: -10 to 70 Degrees Celsius

Life Expectancy: 70,000 Hours at 40 Degrees Celsius

Safety Approval: UL, CUL, TUV, CE

The MGT4012XB-W48 is specifically designed for 1U server racks, high-density storage arrays, and telecommunications equipment requiring forced air cooling against high back pressure. Engineers frequently deploy the MGT4012XB-W48 in precision industrial power supplies and network switches where component density restricts natural convection. Its compact 40mm form factor combined with high rotational speed ensures rapid heat evacuation from heatsinks in mission-critical hardware.

Supplemental Images

