

MGA4012WB-W28 Protechnic 12VDC 40x40x28mm Axial Fan Datasheet



Brand: Protechnic

SKU: [805672398030](#)

Category: Axial & Centrifugal Fans

Price: **\$2.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/mga4012wb-w28-protechnic-12vdc-40x40x28mm-axial-fan>

Product Description

The Protechnic MGA4012WB-W28 is a high-performance DC Axial Fan engineered for thermal management in dense electronic enclosures and amplifier systems. Utilizing advanced DC brushless motor technology, this unit delivers exceptional rotational stability and torque, ensuring consistent airflow even under high back-pressure conditions. The bearing architecture features precision Dual Ball Bearings, chosen for their superior structural rigidity and longevity, significantly reducing thermal impedance over extended operational cycles. Its aerodynamic blade design is optimized to maximize volumetric efficiency while maintaining mechanical durability, making it an ideal solution for mission-critical industrial applications requiring reliable heat dissipation.

Model Number: MGA4012WB-W28

Brand: Protechnic (Magic)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 1.20 A

Power: 14.4 W

Rated Speed: 16000 RPM (Reference)

Bearing Type: Dual Ball Bearing

Max. Air Flow: 26.5 CFM (45.0 m³/h / 0.75 m³/min)

Max. Static Pressure: 28.5 mmH₂O (279 Pa / 1.12 inH₂O)

Dimensions: 40 x 40 x 28 mm

Weight: 45 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 54.0 dB(A)

Frame Material: PBT (UL94V-0)

Impeller Material: PBT (UL94V-0)

Termination: Lead Wires

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Protection: Locked Rotor Protection, Polarity Protection

The MGA4012WB-W28 is specifically designed for high-density applications such as rack-mounted power amplifiers, 1U server chassis, and telecommunications equipment where space is limited but heat generation is high. Its compact 40mm form factor allows for seamless integration into tight cooling channels, providing the necessary static pressure to force air through dense heatsinks and component arrays. Industrial technicians rely on the MGA4012WB-W28 for maintenance and repair of precision electronics, ensuring optimal operating temperatures are maintained to prevent thermal throttling and component failure in continuous-duty environments.

Supplemental Images

