

MGA6012MB-A15 Magic 12VDC 60x60x15mm Axial Fan Datasheet



Brand: Protechnic

SKU: [805691863651](#)

Category: Axial & Centrifugal Fans

Price: **\$14.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/mga6012mb-a15-magic-12vdc-60x60x15mm-axial-fan>

Product Description

The Magic MGA6012MB-A15 is a precision-engineered DC Axial Fan designed to mitigate thermal impedance in compact industrial enclosures and heating units. Utilizing an advanced Dual Ball Bearing architecture, this unit ensures superior rotational stability and structural rigidity under continuous operation, significantly outperforming sleeve bearing alternatives in high-temperature environments. The motor assembly features high-efficiency electromagnetic commutation, driving the thermoplastic impeller to deliver optimal static pressure relative to its slim 15mm profile. This aerodynamic design balances airflow dynamics with acoustic performance, making it a critical component for maintaining thermal equilibrium in sensitive electronic assemblies.

Model Number: MGA6012MB-A15

Brand: Magic (Protechnic)

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.18 A

Power Consumption: 2.16 W

Rated Speed: 4200 RPM $\pm 10\%$

Bearing Type: Dual Ball Bearing

Max. Air Flow: 20.5 CFM (34.8 m³/h / 0.58 m³/min)

Max. Static Pressure: 3.8 mmH₂O (37.2 Pa / 0.15 inH₂O)

Dimensions: 60 x 60 x 15 mm

Weight: 45 g

Life Expectancy: 70,000 Hours @ 40°C

Noise Level: 32.0 dB(A)

Frame Material: PBT Thermoplastic (UL94V-0)

Impeller Material: PBT Thermoplastic (UL94V-0)

Ingress Protection: IP20

Insulation Class: Class A

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Termination: Lead Wires (Red +, Black -)

Certification: CE, UL, TUV, RoHS

Engineered for versatility, the MGA6012MB-A15 serves as a primary cooling solution for chassis ventilation and compact heater units requiring sustained airflow. Its robust design allows for seamless integration into server racks, power supply units, and industrial automation control panels where vertical space is constrained. By actively dissipating heat, the MGA6012MB-A15 protects critical components from thermal throttling, ensuring system reliability in medical devices, telecommunications equipment, and warm air blower systems.

Supplemental Images

