

MGA6012MS-A25 MAGIC 12VDC 60x60x25mm Axial Fan Datasheet



Brand: Protechnic

SKU: [805148923944](#)

Category: Axial & Centrifugal Fans

Price: **\$14.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/mga6012ms-a25-magic-12vdc-60x60x25mm-axial-fan>

Product Description

The MAGIC MGA6012MS-A25 is a precision-engineered DC Axial Fan designed to optimize airflow dynamics within compact industrial chassis systems. Built upon a robust DC brushless motor platform, this component minimizes thermal impedance through efficient heat extraction, ensuring operational stability for sensitive electronics. The fan features a specialized aerodynamic impeller geometry that balances static pressure with airflow volume, reducing turbulence and acoustic resonance. Its structural rigidity is reinforced by a high-grade PBT housing, providing durability against mechanical stress. Designed for continuous duty, the MGA6012MS-A25 incorporates a reliable bearing architecture that ensures consistent rotational velocity and facilitates effective thermal management in restricted-space environments.

Model Number: MGA6012MS-A25

Brand: MAGIC (Protechnic Electric)

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.13 A

Power: 1.56 W

Rated Speed: 3800 RPM

Bearing Type: Sleeve Bearing

Max. Air Flow: 20.5 CFM (34.8 m³/h / 0.58 m³/min)
Max. Static Pressure: 3.56 mmH₂O (34.9 Pa / 0.14 inH₂O)
Dimensions: 60x60x25mm
Weight: 55 g
Life Expectancy: 30,000 Hours @ 40°C
Noise Level: 28.5 dB(A)
Frame Material: Glass Fiber Reinforced PBT (UL94V-0)
Impeller Material: Glass Fiber Reinforced PBT (UL94V-0)
Termination: 2-Wire Lead (Red +, Black -)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Ingress Protection: IP20
Insulation Resistance: >10M Ohm at 500VDC
Dielectric Strength: 500VAC for 1 Minute
Mounting Orientation: Any

The MGA6012MS-A25 is frequently deployed in power conversion systems, specifically functioning as a critical cooling component for industrial power inverters and heater units. Its compact form factor allows for seamless integration into the ventilation shrouds of warm air blowers, ensuring heating elements do not exceed thermal thresholds. Furthermore, the MGA6012MS-A25 is utilized in auxiliary cooling for telecommunications equipment and server rack power supplies, where maintaining moderate static pressure is essential for overcoming system impedance.

Supplemental Images

