

MGA6012ZB-O25 MAGIC 12VDC 60x60x25mm High Airflow Axial Fan Datasheet



Brand: Protechnic

SKU: 805557799290

Category: Axial & Centrifugal Fans

Price: **\$11.99**

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Product Page:

<https://www.equipspares.com/product/mga6012zb-o25-magic-12vdc-60x60x25mm-high-airflow-axial-fan>

Product Description

The MAGIC MGA6012ZB-O25 is a high-efficiency DC Axial Fan engineered for mission-critical applications requiring superior thermal impedance management and consistent airflow delivery. Built upon a rugged DC brushless motor platform and supported by a precision Dual Ball Bearing architecture, this cooling solution offers exceptional rotational stability and a minimized friction coefficient, ensuring reliability over extended duty cycles. The aerodynamic impeller geometry is optimized to generate significant static pressure while maintaining structural rigidity, making it an ideal choice for high-density industrial electronics and compact enclosures where heat dissipation is paramount.

Model Number: MGA6012ZB-O25

Brand: MAGIC

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.31 A

Power: 3.72 W

Rated Speed: 6000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 28.5 CFM (48.4 m³/h / 0.81 m³/min)
Max. Static Pressure: 7.62 mmH₂O (74.7 Pa / 0.30 inH₂O)
Dimensions: 60x60x25 mm
Weight: 65 g
Life Expectancy: 70000 Hours at 40°C
Noise Level: 38.5 dB(A)
Housing Material: PBT Thermoplastic (UL94V-0)
Impeller Material: PBT Thermoplastic (UL94V-0)
Ingress Protection: IP40
Insulation Class: Class A
Termination: 2-Wire Lead
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Mounting Orientation: Any

The MGA6012ZB-O25 is specifically designed for integration into demanding industrial environments such as server rack enclosures, network switchgear, and CNC machinery control panels. Due to its high static pressure capabilities, the MGA6012ZB-O25 effectively forces air through dense component arrays and heatsinks found in medical power supplies and telecommunication base stations, preventing thermal saturation and ensuring continuous equipment uptime.

Supplemental Images

