

MGA8012ZB-O25 PROTECHNIC 12VDC 80x80x25mm Axial Fan Datasheet



Brand: Protechnic

SKU: [802245699811](#)

Category: Axial & Centrifugal Fans

Price: **\$14.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/mga8012zb-o25-protechnic-12vdc-80x80x25mm-axial-fan>

Product Description

The PROTECHNIC MGA8012ZB-O25 is a high-performance DC Axial Fan engineered for critical thermal management in appliance and industrial environments. Utilizing a robust Double Ball Bearing architecture, this unit is designed to withstand elevated operating temperatures while maintaining structural rigidity and minimizing frictional wear over extended lifecycles. The aerodynamic impeller profile is optimized to deliver high static pressure and volumetric airflow, effectively reducing thermal impedance in enclosed chassis. Powered by a 12VDC brushless motor, the fan ensures consistent rotational stability and reliability, making it an essential component for systems requiring sustained heat dissipation and durability.

Model Number: MGA8012ZB-O25

Brand: PROTECHNIC (MAGIC)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.54 A

Power Consumption: 6.48 W

Rated Speed: 4500 RPM ($\pm 10\%$)

Bearing Type: Double Ball Bearing

Max. Air Flow: 62.0 CFM (105.3 m³/h)

Max. Static Pressure: 7.8 mmH₂O (76.5 Pa)

Dimensions: 80 x 80 x 25 mm

Weight: 85 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 44.5 dB(A)

Housing Material: PBT Plastic (UL94V-0)

Blade Material: PBT Plastic (UL94V-0)

Termination: 2-Wire Lead

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Mounting Orientation: Any

Motor Protection: Impedance Protected, Reverse Polarity

The MGA8012ZB-O25 is specifically configured for high-demand applications such as household dryers, where efficient heat extraction is vital for appliance longevity and safety. Its high-torque motor and durable bearing system allow the MGA8012ZB-O25 to operate reliably in the warm, humid environments typical of laundry appliances. Additionally, this model is widely utilized in industrial power supplies, server rack ventilation, and electronic cabinet cooling, providing the necessary airflow to maintain optimal operating temperatures for sensitive electronic components.

Supplemental Images

