

MGA4012XB-O28 Magic 12VDC 40x40x28mm DC Cooling Fan Datasheet



Brand: Protechnic

SKU: [805813569099](#)

Category: Axial & Centrifugal Fans

Price: **\$14.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/mga4012xb-o28-magic-12vdc-40x40x28mm-dc-cooling-fan>

Product Description

The Magic MGA4012XB-O28 is a high-efficiency DC Axial Fan engineered for critical thermal management in compact electronic enclosures. Utilizing advanced Dual Ball Bearing architecture, this unit ensures exceptional rotational stability and longevity under continuous operation, significantly outperforming sleeve bearing alternatives in high-temperature environments. The aerodynamic impeller design optimizes airflow while maintaining structural rigidity, effectively reducing thermal impedance in high-density hardware. Designed with a robust PBT frame, the MGA4012XB-O28 delivers reliable cooling performance, making it an ideal component for industrial instrumentation and power amplification systems requiring sustained heat dissipation and consistent static pressure.

Model Number: MGA4012XB-O28

Brand: Magic (Yongli)

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.25 A

Power Consumption: 3.00 W

Rated Speed: 9500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 14.5 CFM (24.6 m³/h / 0.41 m³/min)
Max. Static Pressure: 9.65 mmH₂O (94.6 Pa / 0.38 inH₂O)
Dimensions: 40 x 40 x 28 mm
Weight: 45 g
Life Expectancy: 70,000 Hours at 40°C
Housing Material: PBT Plastic (UL94V-0)
Impeller Material: PBT Plastic (UL94V-0)
Noise Level: 38.5 dB(A)
Termination: Lead Wires
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Mounting Orientation: Any

The MGA4012XB-O28 is specifically engineered for high-density electronic applications where space is constrained but airflow requirements are substantial. Common deployment scenarios include 1U server rack cooling, power amplifier heat dissipation, and network switch ventilation. The MGA4012XB-O28 is also frequently utilized in industrial automation control panels, CNC machinery electronics, and compact medical devices, ensuring critical components remain within safe operating temperature ranges to prevent thermal throttling or hardware failure.

Supplemental Images

