

# MGA12012XR-O25 Magic 12VDC 120x120x25mm Axial Fan Datasheet



**Brand:** Protechnic

**SKU:** 805400561001

**Category:** Axial & Centrifugal Fans

**Price:** \$11.99

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Product Page:

<https://www.equipspares.com/product/mga12012xr-o25-magic-12vdc-120x120x25mm-axial-fan>

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## Product Description

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The Magic MGA12012XR-O25 is a precision-engineered Axial Fan designed by Protechnic Electric to deliver superior thermal management in industrial environments. Featuring a robust Dual Ball Bearing architecture, this unit minimizes frictional resistance and extends operational lifespan significantly compared to sleeve bearing alternatives. The aerodynamic blade geometry is optimized to reduce thermal impedance while maintaining structural rigidity under high-speed rotation. This cooling solution is specifically calibrated for high-density electronic enclosures, ensuring reliable heat dissipation and system stability.

Model Number: MGA12012XR-O25

Brand: Magic (Protechnic Electric)

Product Type: Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.52 A

Power Input: 6.24 W

Rated Speed: 2800 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 98.6 CFM (167.5 m<sup>3</sup>/h / 2.79 m<sup>3</sup>/min)

Max. Static Pressure: 7.8 mmH<sub>2</sub>O (76.5 Pa / 0.31 inH<sub>2</sub>O)

Dimensions: 120 x 120 x 25 mm

Weight: 158 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 44.5 dB-A

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Termination: Lead Wires

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP20

Safety Certifications: UL, CUL, TUV, CE

The MGA12012XR-O25 is widely utilized in server chassis and telecommunications cabinets where reliable airflow is critical for system uptime. Its high-performance profile makes it suitable for cooling power supply units, CNC control systems, and medical instrumentation racks. By integrating the MGA12012XR-O25, facility managers and engineers can ensure consistent thermal regulation across sensitive electronic components, preventing overheating in continuous-duty applications.

## Supplemental Images

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