

MGA12012MR-O25 Protechnic 12V 120x120x25mm DC Axial Fan

SKU: MGA12012MR-O25

Price: \$9.99

Categories: Fans

Tags: Protechnic

Product Link:

<https://www.electspares.com/product/mga12012mr-o25-protechnic-12v-120x120x25mm-dc-axial-fan/>

Product Description

The Protechnic MGA12012MR-O25 is a high-performance 12V DC Axial Fan with dimensions of 120 x 120 x 25 mm, specifically engineered for mission-critical cooling in industrial power supplies, telecommunications racks, and high-density electronic enclosures. Driven by a specialized DC motor with reinforced dual ball bearings, this heavy-duty unit operates on a 12 VDC supply delivering a Max. Power Consumption of 4.56 W and a Max. Current Draw of 0.38 A at a rated speed of 2400 RPM. This High-performance unit is optimized to overcome significant system impedance, providing a Max. Air Flow of 84.8 CFM (144.1 m³/h / 2.40 m³/min) and a Max. Static Pressure of 3.45 mmH₂O (33.8 Pa / 0.136 inAq). Featuring a 7-blade high-pressure impeller and rugged UL 94V-0 plastic construction, this 120 mm unit ensures high operational reliability and an extended service life of 70,000 hours in intense thermal environments at the end.

MGA12012MR-O25 Fan Parameters

Model Number: MGA12012MR-O25

Manufacturer: Protechnic

Type: DC Axial Fan

Dimensions: 120 x 120 x 25 mm

Weight: 154 g

Bearing Type: Two Ball Bearing

Nominal Voltage: 12 VDC

Nominal Voltage Range: 7.0 - 13.8 VDC

Max. Current Draw: 0.38 A

Max. Power Consumption: 4.56 W

Rated Speed: 2400 RPM

Max. Air Flow: 84.8 CFM (144.1 m³/h / 2.40 m³/min)

Max. Static Pressure: 3.45 mmH₂O (33.8 Pa / 0.136 inAq)

Working Air Flow: 144.1 m³/h

Static Pressure Increase: 33.8 Pa

Noise Level: 37.4 dB(A)

Number of Blades: 7

Connection: 2-Wire (Red +, Black -; UL1007 AWG#24)

Technical Features: Dual ball bearing high-speed design

Motor Protection: Locked-rotor protection; Polarity protection

Insulation Class: "A"

Degree of Protection: IP51

Protection Class: III

Impeller Material: UL 94V-0 Plastic

Housing Material: UL 94V-0 Plastic

Direction of Rotation: Counter-clockwise (viewed from rotor)

Installation Position: Any

Mode: S1

Service Life (L10): 70,000 h (at 40 °C)

Ambient Temperature (Max.): 70 °C

Min. Operating Temperature: -10 °C

Standard Compliance: UL; TUV; CE

Approval: UL; CUL; TUV; CE

Application

The Protechnic MGA12012MR-O25 fan is the primary cooling component for industrial power units, server chassis, and network equipment requiring high-volume airflow and reliable heat dissipation.

Product Images







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