

MGA12012ZB-O25 Protechnic 12V 120x120x25mm DC Axial Fan

SKU: MGA12012ZB-O25

Price: \$16.99

Categories: Fans

Tags: Protechnic

Product Link:

<https://www.electspares.com/product/mga12012zb-o25-protechnic-12v-120x120x25mm-dc-axial-fan/>

Product Description

The Protechnic MGA12012ZB-O25 is an ultra-high-performance 12V DC Axial Fan with dimensions of 120 x 120 x 25 mm, specifically engineered for mission-critical cooling in high-density servers, industrial VFD systems, and telecommunications enclosures. Driven by a specialized DC motor with reinforced double ball bearings, this heavy-duty unit operates on a 12 VDC supply delivering a Max. Power Consumption of 10.8 W and a Max. Current Draw of 0.9 A at a rated speed of 3300 RPM. This High-performance unit is optimized to overcome massive system impedance, providing a Max. Air Flow of 117.8 CFM (200.1 m³/h / 3.34 m³/min) and a Max. Static Pressure of 7.9 mmH₂O (77.5 Pa / 0.31 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.

MGA12012ZB-O25 Fan Parameters

Model Number: MGA12012ZB-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: 0.9 A

Max. Power Consumption: 10.8 W

Rated Speed: 3300 RPM

Max. Air Flow: 117.8 CFM (200.1 m³/h / 3.34 m³/min)
Max. Static Pressure: 7.9 mmH₂O (77.5 Pa / 0.31 inAq)
Working Air Flow: 200.1 m³/h
Static Pressure Increase: 77.5 Pa
Noise Level: 46.5 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 MGA12012ZB-O25 fan is the primary cooling component for high-end server chassis, industrial frequency converters, and heavy-duty power supplies requiring ultra-high static pressure and high-volume airflow.

Product Images







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