

MGA4012UB-O20 Protechnic 12V 40x40x20mm DC Axial Fan

SKU: MGA4012UB-O20

Price: \$9.99

Categories: Fans

Tags: Protechnic

Product Link:

<https://www.electspares.com/product/mga4012ub-o20-protechnic-12v-40x40x20mm-dc-axial-fan/>

Product Description

The Protechnic MGA4012UB-O20 is an ultra-high-performance 12V DC Axial Fan with dimensions of 40 x 40 x 20 mm, specifically engineered for mission-critical cooling in high-density 1U servers, network switches, and telecommunications modules. Driven by a high-efficiency DC motor with reinforced dual ball bearings, this heavy-duty unit operates on a 12 VDC supply delivering a Max. Power Consumption of 3.6 W and a Max. Current Draw of 0.30 A at a rated speed of 13000 RPM. This High-performance unit is optimized to overcome extreme system impedance in space-constrained environments, providing a Max. Air Flow of 16.16 CFM (27.5 m³/h / 0.46 m³/min) and a Max. Static Pressure of 28.8 mmH₂O (282.4 Pa / 1.13 inAq). Featuring a 5-blade high-velocity impeller and rugged UL 94V-0 plastic construction, this 40 mm unit ensures maximum heat dissipation and an extended service life of 70,000 hours in continuous industrial environments at the end.

MGA4012UB-O20 Fan Parameters

Model Number: MGA4012UB-O20

Manufacturer: Protechnic

Type: DC Axial Fan

Dimensions: 40 x 40 x 20 mm

Weight: 32 g

Bearing Type: Two Ball Bearing

Nominal Voltage: 12 VDC

Nominal Voltage Range: 7.0 - 13.8 VDC

Max. Current Draw: 0.30 A

Max. Power Consumption: 3.6 W

Rated Speed: 13000 RPM

Max. Air Flow: 16.16 CFM (27.5 m³/h / 0.46 m³/min)
Max. Static Pressure: 28.8 mmH₂O (282.4 Pa / 1.13 inAq)
Working Air Flow: 27.5 m³/h
Static Pressure Increase: 282.4 Pa
Noise Level: 46.0 dB(A)
Number of Blades: 5
Connection: 2-Wire (Red +, Black -; UL1007 AWG#26)
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 MGA4012UB-O20 fan is the primary cooling component for 1U server chassis, high-performance network switches, and compact power modules requiring extreme static pressure and reliable airflow.

Product Images







Scan for product details:

