

# MGT8012XB-W56 Protechnic 12V 3.10A 80x80x56mm DC Axial Fan

**SKU:** MGT8012XB-W56

**Price:** \$38.57

**Categories:** Fans

**Tags:** Protechnic

**Product Link:**

<https://www.electspares.com/product/mgt8012xb-w56-protechnic-12v-3-10a-80x80x56mm-dc-axial-fan/>

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## Product Description

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The Protechnic MGT8012XB-W56 is a high-performance 12 VDC DC Axial Fan with dimensions of 80.0 x 80.0 x 56.0 mm, specifically engineered for extreme thermal management in high-density industrial frequency converters and high-power VFD cooling systems. This dual-rotor unit utilizes a counter-rotating design to achieve an extraordinary static pressure of 105.30 mmH<sub>2</sub>O and a powerful airflow of 89.62 CFM. Driven by a robust brushless DC motor with integrated electronic protection, it provides a substantial Max. Power Consumption of 37.20 W at a Max. Current Draw of 3.10 A. Operating at a rated speed of 12000 RPM, this 315 g unit features a 5-blade precision-engineered impeller and a high-precision dual ball bearing system. Constructed with glass-fiber reinforced PBT plastic, it provides a dependable air-moving solution with a noise level of 73.4 dB(A), ensuring maximum cooling performance and long-term mechanical stability for critical heat extraction in heavy-duty inverters and integrated electrical switchgear systems at the end.

MGT8012XB-W56 Fan Parameters

Model Number: MGT8012XB-W56

Manufacturer: Protechnic

Type: DC Axial Fan (Dual rotor / Counter-rotating)

Dimensions: 80.0 x 80.0 x 56.0 mm (28.0 x 2 mm)

Weight: 315 g

Bearing Type: Dual ball bearing

Nominal Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Max. Power Consumption: 37.20 W

Max. Current Draw: 3.10 A

Rated Speed: 12000 RPM  
Max. Air Flow: 89.62 CFM (152.3 m<sup>3</sup>/h / 2.54 m<sup>3</sup>/min)  
Max. Static Pressure: 105.30 mmH<sub>2</sub>O (1032.6 Pa / 4.15 inH<sub>2</sub>O)  
Working Air Flow: 89.62 CFM (152.3 m<sup>3</sup>/h)  
Static Pressure Increase: 105.30 mmH<sub>2</sub>O (1032.6 Pa)  
Motor Protection: Locked-rotor and reverse polarity protection  
Insulation Class: Class A  
Electrical Hookup: 4 lead wires (PWM control / Speed signal)  
Number of Blades: 5  
Direction of Rotation: Counter-rotating (Dual rotors)  
Airflow Direction: Exhaust over struts  
Housing Material: Glass-fiber reinforced PBT plastic (UL 94V-0)  
Impeller Material: Glass-fiber reinforced PBT plastic (UL 94V-0)  
Operation Mode: S1 (Continuous operation)  
Sound Pressure Level: 73.4 dB(A)  
Service Life (L10): 70,000 h (at 40 °C)  
Operating Temperature: -10 - +70 °C  
Storage Temperature: -40 - +80 °C  
Degree of Protection: IP20  
Standard Compliance: EN 60950-1; CE  
Approval Agency: UL; CUL; TUV; CE

#### Application

The Protechnic MGT8012XB-W56 DC fan is primarily utilized in high-density industrial frequency converters, enterprise-level server racks, and high-power VFD module heat dissipation systems for extreme exhaust and cooling.

## **Product Images**

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Scan for product details:

