

MGT8012YB-W25 Protechnic 12V 0.42A IP68 Waterproof Axial Fan Datasheet



Brand: Protechnic

SKU: 900241708277

Category: Axial & Centrifugal Fans

Price: **\$11.99**

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Product Page:

<https://www.equipspares.com/product/mgt8012yb-w25-protechnic-12v-0-42a-ip68-waterproof-axial-fan>

Product Description

The Protechnic MGT8012YB-W25 is a robust industrial-grade axial fan engineered for high-performance cooling in demanding environments. Distinguished by its IP68 ingress protection rating, this model offers complete resistance against dust and continuous submersion in water, making it a critical component for outdoor and harsh industrial applications. Powered by a 12V DC motor with a current draw of 0.42A, it delivers substantial airflow and static pressure. The unit utilizes a durable double ball bearing system to ensure longevity and stability at high rotational speeds. Additionally, the 4-wire configuration supports PWM speed control, allowing for precise thermal regulation and noise management.

Manufacturer: Protechnic Electric

Model Number: MGT8012YB-W25

Product Type: DC Axial Fan

Rated Voltage: 12V DC

Operating Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.42 A

Power Consumption: 5.04 W

Dimensions: 80 x 80 x 25 mm

Bearing Type: Double Ball Bearing

Rotational Speed: 4500 RPM

Max. Air Flow: 60.00 CFM (101.94 m³/h / 1.70 m³/min)

Max. Static Pressure: 9.00 mmH₂O (88.26 Pa / 0.35 inH₂O)

Noise Level: 44.0 dBA

Ingress Protection: IP68 (Waterproof/Dustproof)

Termination: 4-Wire (PWM Speed Control)

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Life Expectancy: 70,000 Hours at 40°C

Weight: 90 g

This waterproof cooling solution is specifically engineered for applications where environmental resilience is paramount. It is ideally suited for outdoor telecommunications enclosures, marine electronics, and industrial automation systems subject to moisture or wash-down procedures. The high static pressure capabilities make it effective for dense server racks and radiator cooling. Furthermore, the PWM functionality allows the Protechnic MGT8012YB-W25 to integrate seamlessly into computer heatsink assemblies and smart control systems, providing efficient heat dissipation while maintaining optimal acoustic performance under varying loads.

Supplemental Images

