

MGT4012WB-W28D Protechnic 12VDC 1.20A 40x40x28mm Axial Fan Datasheet



Brand: Protechnic

SKU: [1047150337581](#)

Category: Axial & Centrifugal Fans

Price: **\$22.79**

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Product Page:

<https://www.equipspares.com/product/mgt4012wb-w28d-protechnic-12vdc-1-20a-40x40x28mm-axial-fan>

Product Description

Protechnic MGT4012WB-W28D 40 x 40 x 28 mm 12 VDC 1.20 A axial fan features a high-tensile metal housing and dual ball bearing assembly. The unit utilizes a 14.4 W brushless motor capable of high-velocity rotation at 22,000 RPM to achieve a maximum static pressure of 66.55 mmH₂O. The mechanical design includes a 4-wire interface for PWM control and frequency generator output, ensuring precise thermal regulation through a PBT UL 94V-0 rated impeller.

MGT4012WB-W28D Specifications

Model: MGT4012WB-W28D

Brand: Protechnic Electric

Category: DC Axial Fan

Dimensions: 40 x 40 x 28 mm

Rated Voltage: 12 VDC

Operating Voltage Range: 5.0 to 13.8 VDC

Rated Current: 1.20 A

Rated Power: 14.4 W

Rated Speed: 22,000 RPM

Maximum Airflow: 28.64 CFM

Maximum Static Pressure: 66.55 mmH₂O

Noise Level: 62.6 dBA

Bearing Type: Dual Ball Bearing

Housing Material: Metal / Aluminum Alloy

Impeller Material: Plastic PBT (UL 94V-0)

Termination: 4-wire lead (PWM, Tachometer)

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +70 °C

Life Expectancy: 70,000 hours at 40 °C

Safety Protection: Locked Rotor Protection, Reverse Polarity Protection

MGT4012WB-W28D Applications

Primary applications include integration into 1U/2U rackmount servers, high-density blade chassis, and enterprise-grade network switches. Deployed within industrial power supply units and telecommunications base stations requiring concentrated thermal management for high-wattage components.

Supplemental Images

