

MGT8012VB-W38H Protechnic 12VDC 2.80A 80x80x38mm Axial Fan Datasheet



Brand: Protechnic

SKU: [1047579689667](#)

Category: Axial & Centrifugal Fans

Price: **\$22.86**

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Product Page:

<https://www.equipspares.com/product/mgt8012vb-w38h-protechnic-12vdc-2-80a-80x80x38mm-axial-fan>

Product Description

Protechnic MGT8012VB-W38H is a high-performance axial fan measuring 80 x 80 x 38 mm, engineered for high-density thermal management with a 12 VDC nominal voltage and 2.80 A current draw. The unit features a dual ball bearing system and a robust PBT thermoplastic housing and impeller rated to UL 94V-0 flammability standards. It utilizes a 4-wire interface for precise PWM speed control and tachometer feedback, delivering a maximum rotational speed of 10,000 RPM and an airflow capacity of 137.5 CFM. The internal motor includes locked rotor protection and polarity reversal safeguards, while the assembly is rated IP 55 for resistance against dust and water ingress.

MGT8012VB-W38H Specifications

Model: MGT8012VB-W38H

Brand: Protechnic

Category: DC Axial Fan

Dimensions: 80 x 80 x 38 mm

Rated Voltage: 12 VDC

Operating Voltage: 7.0 to 13.2 VDC

Rated Current: 2.80 A

Rated Power: 33.6 W

Rated Speed: 10,000 RPM

Maximum Airflow: 137.5 CFM

Static Pressure: 1.25 inH₂O

Noise Level: 65.7 dB-A

Bearing Type: Dual Ball Bearing

Ingress Protection: IP 55

Material: PBT Plastic (UL 94V-0)

Interface: 4-wire (PWM, FG, VCC, GND)

Weight: 189 g

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +70 °C

Safety Certifications: UL, TUV, CE

MGT8012VB-W38H Applications

Primary applications include integration into enterprise-grade server chassis, high-wattage industrial power supplies, and telecommunications base station cooling systems. Deployed within CNC machine control cabinets and network switch enclosures requiring high static pressure for dense component cooling.

Supplemental Images

