

MGT9212HR-W25B Protechnic 92x25mm 12VDC 0.25A 4-Wire Fan Datasheet



Brand: Protechnic

SKU: [1046639590108](#)

Category: Axial & Centrifugal Fans

Price: **\$21.79**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/mgt9212hr-w25b-protechnic-92x25mm-12vdc-0-25a-4-wire-fan>

Product Description

Protechnic MGT9212HR-W25B 92 x 92 x 25 mm 12 VDC 0.25 A 52.5 CFM axial cooling fan. This unit features a high-performance dual ball bearing system housed within a glass-fiber reinforced PBT plastic frame and 7-blade impeller, both rated UL 94V-0 for flame retardancy. The brushless DC motor incorporates a 4-wire interface supporting pulse width modulation (PWM) for variable speed control and a frequency generator (FG) signal for tachometer monitoring. The mechanical design is optimized for high static pressure and long-term operational stability in vertical or horizontal orientations.

MGT9212HR-W25B Specifications

Model: MGT9212HR-W25B

Brand: Protechnic Electric

Frame Size: 92 x 92 x 25 mm

Rated Voltage: 12 VDC

Operating Voltage: 7.0 to 13.8 VDC

Rated Current: 0.25 A

Input Power: 3.0 W

Rated Speed: 2850 RPM

Maximum Airflow: 52.5 CFM

Static Pressure: 3.81 mmH₂O

Noise Level: 34.0 dBA

Bearing Type: Dual Ball Bearing

Interface: 4-wire (Red: +, Black: -, Yellow: FG, Blue: PWM)

Material: PBT Thermoplastic (UL 94V-0)

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +70 °C

Life Expectancy: 70,000 hours at 40 °C

Weight: 95 g

Safety Certifications: UL, TUV, CE

MGT9212HR-W25B Applications

Primary applications include integration into server rack chassis, desktop CPU heatsinks, and industrial power supply units. Deployed within telecommunications switching equipment and medical diagnostic imaging systems requiring active thermal regulation via PWM feedback loops.

Supplemental Images

