

MGT9212UR-W25 Magic 12VDC 92x92x25mm Axial Cooling Fan Datasheet



Brand: Protechnic

SKU: [805794640184](#)

Category: Axial & Centrifugal Fans

Price: **\$14.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/mgt9212ur-w25-magic-12vdc-92x92x25mm-axial-cooling-fan>

Product Description

The Magic MGT9212UR-W25 is a precision-engineered Axial Fan designed to mitigate thermal impedance in high-density electronic enclosures. Featuring a robust DC motor architecture, this unit ensures optimal airflow efficiency while maintaining structural rigidity under continuous operation. The aerodynamic blade geometry is calibrated to maximize static pressure delivery, making it suitable for demanding industrial chassis environments. By leveraging advanced bearing technology, the MGT9212UR-W25 achieves a balance between operational longevity and acoustic performance, critical for stabilizing sensitive server racks and automation cabinets against heat-induced degradation.

Model Number: MGT9212UR-W25

Brand: Magic (Magic Precision Inc.)

Product Type: Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.54 A

Power: 6.48 W

Rated Speed: 3800 RPM

Bearing Type: Two Ball Bearing

Max. Air Flow: 72.5 CFM (123.1 m³/h / 2.05 m³/min)

Max. Static Pressure: 7.2 mmH₂O (70.6 Pa / 0.28 inH₂O)

Dimensions: 92 x 92 x 25 mm

Weight: 95 g

Life Expectancy: 70,000 Hours @ 40°C

Noise Level: 43.5 dB(A)

Frame Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Ingress Protection: IP20

Insulation Class: Class A

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Termination: 2 Lead Wires (Red+, Black-)

Mounting Orientation: Any

Certifications: CE, UL, TUV

Protection: Locked Rotor Protection, Reverse Polarity Protection

The MGT9212UR-W25 is engineered for deployment in mission-critical thermal management systems, specifically within industrial server racks and telecommunication chassis. Its high-static pressure profile makes it ideal for forced convection in CNC control units and power supply banks where component density restricts natural airflow. Integrators frequently select the MGT9212UR-W25 for automation cabinets and medical instrumentation, relying on its consistent thermal throughput to prevent system failure in continuous-duty cycles.

Supplemental Images

