

MGT4012UB-W28J Magic 12VDC 40x40x28mm IP55 Axial Fan Datasheet



Brand: Protechnic

SKU: 856888204265

Category: Axial & Centrifugal Fans

Price: \$17.99

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Product Page:

<https://www.equipspares.com/product/mgt4012ub-w28j-magic-12vdc-40x40x28mm-ip55-axial-fan>

Product Description

The Magic MGT4012UB-W28J is a high-performance industrial axial fan designed for applications demanding extreme airflow density and robust thermal regulation. Engineered with a precision-wound DC motor and a reinforced Dual Ball Bearing system, this unit offers exceptional rotational stability and reduced friction, significantly extending operational life under continuous heavy load. The aerodynamic blade geometry is optimized to generate high static pressure, overcoming the thermal impedance often found in tightly packed electronic enclosures. With an IP55 ingress protection rating, the fan features enhanced resistance to dust and moisture, ensuring structural rigidity and reliability in harsh industrial environments.

Model Number: MGT4012UB-W28J

Brand: Magic (Magic Precision)

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.80 A

Power Consumption: 9.60 W

Rated Speed: 16500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 24.50 CFM (41.6 m³/h)

Max. Static Pressure: 1.85 inH₂O (460 Pa)

Dimensions: 40 x 40 x 28 mm

Ingress Protection: IP55

Noise Level: 56.5 dBA

Housing Material: PBT Synthetic Resin (UL94V-0)

Impeller Material: PBT Synthetic Resin (UL94V-0)

Termination: Lead Wires

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Life Expectancy: 70,000 Hours at 40°C

Mounting Orientation: Any

The MGT4012UB-W28J is engineered for high-density electronic assemblies such as 1U server racks, RAID arrays, and telecommunications switching equipment where space is limited but heat dissipation requirements are critical. Its high static pressure capabilities make it ideal for forcing air through restrictive heatsinks and densely populated PCBs found in medical instrumentation and industrial automation systems. Additionally, the IP55 rating of the MGT4012UB-W28J permits its use in CNC machinery and outdoor utility cabinets, providing reliable cooling performance even in the presence of environmental contaminants.

Supplemental Images

