

MGA12012UB-W38 Magic 12VDC 2.20A 120x38mm Axial Fan Datasheet



Brand: Protechnic

SKU: [1042291171531](#)

Category: Axial & Centrifugal Fans

Price: **\$24.29**

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Product Page:

<https://www.equipspares.com/product/mga12012ub-w38-magic-12vdc-2-20a-120x38mm-axial-fan>

Product Description

Magic MGA12012UB-W38 is a 120 x 120 x 38 mm high-performance axial fan operating at 12 VDC with a 2.20 A current draw. The unit features a reinforced PBT plastic impeller and housing rated to UL 94V-0 standards. It utilizes a precision dual ball bearing system to support rotational speeds of 4000 RPM, delivering 192.9 CFM of airflow. The internal brushless DC motor includes polarity protection and auto-restart functionality, interfaced via a 3-wire lead configuration for power and tachometer feedback.

MGA12012UB-W38 Specifications

Model: MGA12012UB-W38

Brand: Magic (Protechnic Electric)

Category: DC Axial Fan

Dimensions: 120 x 120 x 38 mm

Rated Voltage: 12 VDC

Operating Voltage Range: 10.2 to 13.8 VDC

Rated Current: 2.20 A

Input Power: 26.4 W

Rated Speed: 4000 RPM

Maximum Airflow: 192.9 CFM

Static Pressure: 0.571 in H₂O

Noise Level: 57.0 dBA

Bearing Type: Dual Ball Bearing

Material: PBT Thermoplastic (UL 94V-0)

Termination: 3-Wire Lead

Weight: 300 g

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +75 °C

Life Expectancy: 70,000 Hours at 40 °C

Safety Approvals: UL, TUV, CE

MGA12012UB-W38 Applications

Primary applications include integration into industrial drying cabinets, high-density server rack enclosures, and telecommunications base station cooling systems. Deployed within CNC machine control consoles and large-scale power inverter thermal management modules to maintain operational temperatures.

Supplemental Images

