MGA12012UB-O38 Protechnic 12V 2.20A 120mm DC Axial Fan

SKU: MGA12012UB-O38

Price: $13.89

Categories: Fans

Tags: Protechnic

Product Link:
https://www.elecspares.com/product/mga12012ub-o38-protechnic-12v-2-20a-120mm-dc-axial-fan/

Product Description

The Protechnic MGA12012UB-O38 is a high-performance DC Axial Fan with dimensions of 120 x 120 x 38 mm. Operating at a nominal voltage of 12 V (5.0 V to 13.8 V range), this ultra-high-speed cooling fan is engineered by Protechnic Electric to deliver exceptional airflow of 192.90 CFM (approx. 327.7 m³/h). Featuring a dual ball bearing system and a reinforced PBT frame, it is designed for heavy-duty industrial cooling. This model is specifically optimized for high-resistance environments such as server racks, industrial telecommunications, and high-power workstations where maximum static pressure and reliability are mandatory for critical heat dissipation.

MGA12012UB-O38 Fan Parameters
Manufacturer: Protechnic
Model Number: MGA12012UB-O38
Dimensions: 120 x 120 x 38 mm
Nominal Voltage: 12 VDC
Operating Voltage Range: 5.0 to 13.8 VDC
Start-up Voltage: 5.0 VDC (at 25 °C)
Rated Current: 2.20 A (Max: 2.50 A)
Rated Power: 26.40 W
Rated Speed: 4000 RPM (±10%)
Max. Airflow: 192.90 CFM (327.7 m³/h)
Max. Static Pressure: 0.571 inAq (14.5 mmH2O)
Noise Level: 57.0 dB(A) (Max: 60.0 dB(A))
Weight: 300 g
Impeller Size: 112 mm

Termination: 2 Wire Leads
Bearing Type: Dual Ball Bearings
Housing Material: UL 94V-0 PBT (30% Glass Fiber)
Impeller Material: UL 94V-0 PBT (30% Glass Fiber)
Rotation Direction: Counter-Clockwise (viewed from rotor side)
Insulation Resistance: Min. 10 MΩ at 500 VDC (between frame and (+) terminal)
Dielectric Strength: 5 mA max at 600 VAC 50 Hz 1 second
Operating Temperature: -10 °C to +70 °C
Operating Humidity: 5% to 90% RH
Life Expectancy (L10): 70,000 hours at 40 °C
Safety Protections: Locked rotor protection, Polarity protection
Approvals: UL, CUL, TUV, CE, RoHS compliant

Application
The MGA12012UB-O38 is specialized for high-density cooling environments where airflow must overcome significant resistance from densely packed components or thick dust filters. Its primary application areas include enterprise-level server enclosures, telecommunication base stations, and high-wattage power supply units (PSU). The fan's robust construction and ultra-high speed provide the necessary cooling capacity for large industrial frequency converters and high-performance laboratory equipment. With its extended life expectancy and high-temperature stability, it ensures continuous operation in mission-critical systems that require consistent and powerful thermal management.

Product Images


Protechnic
MGA12012UB-O38
12V 2.20A series A
PROTECHNIC ELECTRIC
MADE IN CHINA

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