

MGT9224MB-W32-IP68 Protechnic 24V 92x92x32mm DC Axial Fan

SKU: MGT9224MB-W32-IP68

Price: \$28.64

Categories: Fans

Tags: Protechnic

Product Link:

<https://www.electspares.com/product/mgt9224mb-w32-ip68-protechnic-24v-92x92x32mm-dc-axial-fan/>

Product Description

The Protechnic MGT9224MB-W32-IP68 is a high-performance 24 V DC Axial Fan with dimensions of 92 x 92 x 32 mm, specifically engineered for critical thermal management in harsh outdoor environments and heavy-duty industrial systems requiring IP68-rated protection. Driven by a high-efficiency electronically commutated motor with fully encapsulated electronics and integrated auto-restart protection, this unit features a precise Max. Power Consumption of 5.04 W and a Max. Current Draw of 0.21 A at 24 V DC. Operating at a peak rated speed of 3600 RPM with advanced PWM speed control, it provides a powerful air delivery of 114.5 m³/h (67.38 CFM) to ensure optimal heat extraction in high-density electronic environments. Constructed with a glass-fiber reinforced PBT plastic housing and a high-static pressure impeller featuring precision dual ball bearings, this 168 g unit ensures maximum cooling performance and long-term mechanical stability for integrated industrial switchgear systems at the end.

MGT9224MB-W32-IP68 Fan Parameters

Model Number: MGT9224MB-W32-IP68

Manufacturer: Protechnic

Type: DC Axial Fan (High Static Pressure & IP68)

Dimensions: 92.0 x 92.0 x 32.0 mm

Weight: 168 g

Bearing Type: Ball bearing

Nominal Voltage: 24 V DC

Voltage Range: 14.0 - 27.6 V DC

Max. Power Consumption: 5.04 W

Max. Current Draw: 0.21 A (210 mA)

Rated Speed: 3600 RPM

Max. Air Flow: 67.38 CFM (114.5 m³/h / 1.91 m³/min)

Max. Static Pressure: 8.43 mmH₂O (82.67 Pa / 0.33 inH₂O)

Working Air Flow: 114.5 m³/h

Static Pressure Increase: 82.67 Pa

Degree of Protection: IP68 (Vacuum Encapsulated Motor)

Motor Protection: Auto-restart and reverse polarity protection

Insulation Class: Class A

Insulation Resistance: Over 10 MΩ at DC 500 V (between frame and terminal)

Dielectric Strength: 5 mA Max. at AC 500 V for 1 minute

Electrical Hookup: 4 lead wires (Red: +UB, Black: GND, Yellow: FG, Blue: PWM)

Wire Length: 300 mm (24 AWG)

Number of Blades: 7 (High-pitch design)

Direction of Rotation: Counter-clockwise (viewed toward rotor)

Airflow Direction: Exhaust over struts

Housing Material: Glass-fiber reinforced PBT plastic (UL 94V-0)

Impeller Material: Glass-fiber reinforced PBT plastic (UL 94V-0)

Operation Mode: S1 (Continuous operation)

Sound Pressure Level: 41.0 dB(A)

Service Life (L10): 70,000 h (at 40 °C)

Operating Temperature: -10 - +70 °C

Storage Temperature: -40 - +80 °C (at 65% RH)

Standard Compliance: UL507; CE; RoHS

Approval Agency: UL; CUL; TUV; CE

Application

The Protechnic MGT9224MB-W32-IP68 fan is the primary cooling component for outdoor telecommunication cabinets, solar inverters, and high-power industrial power supplies requiring IP68-rated protection and precise PWM thermal control.

Product Images



Scan for product details:

