MGT12024UB-W38 Protechnic 24VDC 1.30A 120x120x38mm Axial Fan Datasheet

Brand: Protechnic

SKU: 1040442496706

Category: Axial & Centrifugal Fans

Price: **$21.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/mgt12024ub-w38-protechnic-24vdc-1-30a-120x120x38mm-axial-fan

Product Description

The Protechnic MGT12024UB-W38 is a high-performance industrial axial fan measuring 120 x 120 x 38 mm, engineered for high-density thermal management requiring a 24 VDC nominal supply and 1.30 A current draw. This unit features a robust dual ball bearing system and a 4-pole motor capable of reaching 4000 RPM to deliver a significant airflow of 193 CFM against a static pressure of 14.5 mmAq. Constructed with a UL 94V-0 rated plastic frame and impeller, the fan utilizes a 4-wire interface supporting PWM speed control and tachometer output for precise thermal regulation. Its internal mechanism is designed for a service life of 50,000 hours at 25 °C, maintaining operational stability within a temperature range of -10 to 70 °C.

MGT12024UB-W38 Specifications
Model Number: MGT12024UB-W38
Brand: Protechnic (MAGIC)
Dimensions: 120 x 120 x 38 mm
Nominal Voltage: 24 VDC
Operating Voltage Range: 14.0 to 27.6 VDC
Rated Current: 1.30 A
Rated Power: 31.2 W
Rated Speed: 4000 RPM

Maximum Airflow: 193 CFM (5.46 m³/min)
Maximum Static Pressure: 14.5 mmAq (0.57 inH2O)
Noise Level: 57 dBA
Bearing Type: Dual Ball Bearing
Interface: 4-wire (Positive, Negative, Tachometer, PWM)
Frame Material: Thermoplastic PBT (UL 94V-0)
Impeller Material: Thermoplastic PBT (UL 94V-0)
Operating Temperature: -10 to 70 °C
Storage Temperature: -40 to 70 °C
Expected Life: 50,000 hours at 25 °C
Weight: 300 g
Safety Approvals: UL, TUV, CE

MGT12024UB-W38 Applications

Primary applications include integration into industrial server enclosures, telecommunication base station cooling racks, high-capacity power supply units, and CNC machine tool control cabinets. Deployed within frequency converters and automated industrial inverter systems to maintain thermal equilibrium in high-load electronic environments.

Supplemental Images