MGT12048XB-O38 Magic 48VDC 120x120x38mm Brushless Axial Fan Datasheet

Brand: Protechnic

SKU: 781935861257

Category: Axial & Centrifugal Fans

Price: **$16.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/mgt12048xb-o38-magic-48vdc-120x120x38mm-brushless-axial-fan

Product Description

The Magic MGT12048XB-O38 is a high-performance Axial Fan designed for critical industrial thermal management. Engineered with a brushless DC motor, this unit significantly reduces thermal impedance by maintaining consistent airflow across high-density components. The structural rigidity of its PBT housing ensures minimal resonance and vibration during operation, while the precision-engineered dual ball bearing architecture provides superior mechanical longevity. This fan is optimized for environments requiring high static pressure and reliable volumetric flow. With integrated protection features and a robust aerodynamic profile, the MGT12048XB-O38 delivers exceptional thermal management efficiency for sensitive electronic systems and heavy-duty industrial hardware.

Model Number: MGT12048XB-O38
Brand: Magic
Product Type: Axial Fan
Rated Voltage: 48VDC
Voltage Range: 28.0 - 56.0 VDC
Rated Current: 0.27A
Power: 12.96W
Rated Speed: 3100 RPM

Bearing Type: Dual Ball Bearing
Max. Air Flow: 115.00 CFM (195.38 m^3/h / 3.26 m^3/min)
Max. Static Pressure: 10.50 mmH_2O (102.97 Pa / 0.41 inH_2O)
Dimensions: 120x120x38mm
Weight: 290g
Life Expectancy: 70,000 Hours
Housing Material: UL94V-0 PBT
Blade Material: UL94V-0 PBT
Termination: 2-Lead Wires
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +75°C
Insulation Class: Class A
Protection Features: Locked Rotor Protection, Reverse Polarity Protection
Certifications: CE, TUV, UL, RoHS

The MGT12048XB-O38 is extensively utilized in telecommunications base stations and high-density server racks where heat dissipation is paramount. Its high-pressure output makes the MGT12048XB-O38 an ideal choice for cooling industrial power supplies, frequency converters, and automated control systems. Additionally, this model is frequently integrated into medical imaging equipment and CNC machinery to ensure stable performance under continuous load conditions.

Supplemental Images