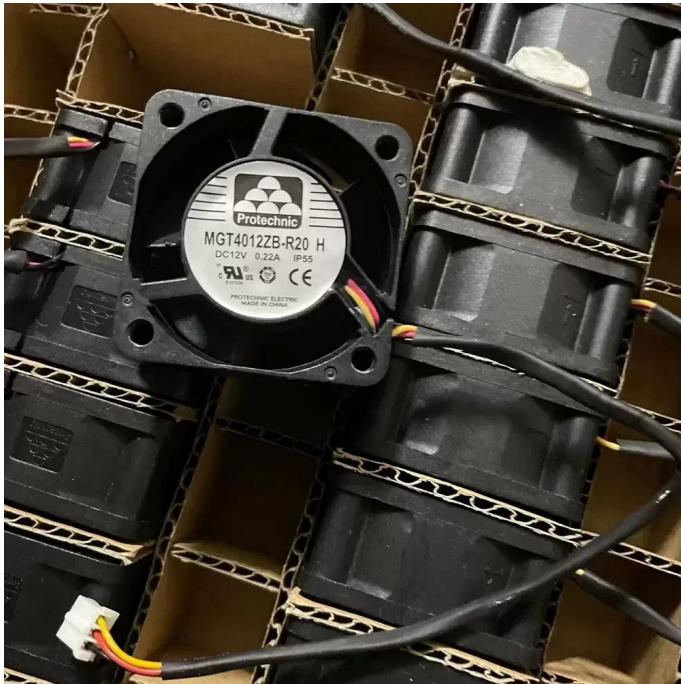


MGT4012ZB-R20H Protechnic 12VDC 40x40x20mm IP55 Axial Fan Datasheet



Brand: Protechnic

SKU: 975865635353

Category: Axial & Centrifugal Fans

Price: **\$11.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/mgt4012zb-r20h-protechnic-12vdc-40x40x20mm-ip55-axial-fan>

Product Description

The Protechnic MGT4012ZB-R20H is a DC axial fan engineered for demanding industrial environments requiring compact thermal management solutions. Utilizing advanced brushless DC motor technology, this unit minimizes thermal impedance while maintaining exceptional structural rigidity through its reinforced PBT housing. The aerodynamic impeller design is optimized for high static pressure efficiency, ensuring consistent airflow in restricted enclosures. Featuring an IP55 ingress protection rating, the MGT4012ZB-R20H offers superior resistance against dust and moisture, making it ideal for outdoor or harsh indoor applications. Its sophisticated bearing architecture ensures long-term operational stability and reduced mechanical wear under continuous duty cycles, providing reliable performance in mission-critical systems.

Model Number: MGT4012ZB-R20H

Brand: Protechnic

Product Type: Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.22A

Power: 2.64W

Rated Speed: 8500 RPM

Bearing Type: Two Ball Bearing

Max. Air Flow: 10.5 CFM (17.8 m³/h / 0.30 m³/min)

Max. Static Pressure: 9.5 mmH₂O (93.1 Pa / 0.37 inH₂O)

Dimensions: 40x40x20mm

Weight: 35g

Life Expectancy: 70,000 Hours at 40°C

Ingress Protection: IP55

Insulation Class: Class A

Noise Level: 36.5 dB(A)

Housing Material: Plastic (UL94V-0)

Blade Material: Plastic (UL94V-0)

Termination: 3 Lead Wires

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

Certifications: CE, TUV, UL

The MGT4012ZB-R20H is specifically designed for integration into high-density server racks and telecommunications equipment where space is at a premium. Due to its IP55 rating, the MGT4012ZB-R20H is also frequently utilized in outdoor power supplies and industrial CNC control cabinets that require protection from environmental contaminants. Its robust construction makes it suitable for medical diagnostic devices and specialized laboratory instrumentation requiring reliable localized cooling for the MGT4012ZB-R20H.

Supplemental Images

