

# MGT12024ZB-W38 Magic 24VDC 120x120x38mm PWM Axial Fan Datasheet



**Brand:** Protechnic

**SKU:** [901817261674](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$19.99**

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Product Page:

<https://www.equipspares.com/product/mgt12024zb-w38-magic-24vdc-120x120x38mm-pwm-axial-fan>

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## Product Description

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The Magic MGT12024ZB-W38 is a robust industrial Axial Fan engineered for high-static pressure environments requiring aggressive thermal dissipation. Utilizing advanced DC motor technology and a durable dual ball bearing architecture, this unit ensures structural rigidity and prolonged operational lifespan under continuous load. The aerodynamic impeller design minimizes turbulence while maximizing volumetric efficiency, effectively reducing thermal impedance in high-density electronic enclosures. With integrated Pulse Width Modulation (PWM) signal capabilities, it offers precise speed regulation, optimizing the balance between acoustic signature and cooling performance for critical infrastructure.

Model Number: MGT12024ZB-W38

Brand: Magic (Yongli)

Product Type: Axial Fan

Rated Voltage: 24VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 1.62 A

Power: 38.88 W

Rated Speed: 6000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 210.5 CFM (357.6 m<sup>3</sup>/h / 5.96 m<sup>3</sup>/min)

Max. Static Pressure: 24.8 mmH<sub>2</sub>O (243.2 Pa / 0.97 inH<sub>2</sub>O)

Dimensions: 120 x 120 x 38 mm

Weight: 360 g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: 4-Wire PWM

Ingress Protection: IP54 (Standard Industrial)

Insulation Class: Class A

Noise Level: 64.0 dBA

Housing Material: PBT Plastic (UL94V-0)

Blade Material: PBT Plastic (UL94V-0)

Termination: 4-Wire Lead with Connector

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Mounting Orientation: Any

Safety Certifications: CE, UL, TUV

This high-performance cooling solution is specifically designed for demanding applications such as server rack enclosures, telecommunications base stations, and industrial CNC machinery where heat flux is substantial. The MGT12024ZB-W38 excels in forcing air through restrictive heatsinks and tightly packed component arrays, ensuring system stability. Furthermore, the MGT12024ZB-W38 is frequently utilized in power supply units and medical instrumentation requiring reliable, continuous airflow to prevent thermal throttling and component degradation.

## Supplemental Images

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