

DA12038B12UR Yimeng 12VDC 120x120x38mm 1.50A Axial Fan Datasheet



SKU: [749011033788](#)

Category: Axial & Centrifugal Fans

Price: **\$9.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/da12038b12ur-yimeng-12vdc-120x120x38mm-1-50a-axial-fan>

Product Description

The Yimeng DA12038B12UR is a robust DC Axial Fan engineered for high-static pressure environments requiring aggressive thermal management. Utilizing advanced DC motor technology coupled with a precision dual ball bearing architecture, this unit ensures minimized friction and extended operational longevity under continuous load. The aerodynamic impeller design is optimized to reduce turbulence while maximizing volumetric airflow, effectively lowering thermal impedance in dense electronic enclosures. Constructed with structural rigidity in mind, the frame resists vibrational stress, making it ideal for industrial inverters and server chassis. The 1.50A current rating indicates a high-torque motor configuration capable of overcoming significant system resistance.

Model Number: DA12038B12UR

Brand: Yimeng

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 1.50 A

Power: 18.0 W

Rated Speed: 4500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 190.0 CFM (322.8 m³/h / 5.38 m³/min)

Max. Static Pressure: 18.5 mmH₂O (181.4 Pa / 0.73 inH₂O)

Dimensions: 120 x 120 x 38 mm

Weight: 320 g

Life Expectancy: 70,000 Hours @ 40°C

Speed Control: 3-Wire (Tachometer/Frequency Generator)

Ingress Protection: IP20

Insulation Class: Class A

Noise Level: 58.0 dBA

Housing Material: PBT Thermoplastic (UL94V-0)

Impeller Material: PBT Thermoplastic (UL94V-0)

Termination: 3 Lead Wires (Red +, Black -, White Signal)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Mounting Orientation: Any

This high-performance cooling solution is specifically deployed in demanding industrial applications such as variable frequency drive (VFD) inverters, high-density server racks, and telecommunications base stations. The DA12038B12UR excels in forcing air through tightly packed components where static pressure is critical to prevent thermal throttling. Additionally, the DA12038B12UR is frequently utilized in CNC machinery control cabinets and medical instrumentation power supplies, ensuring reliable heat dissipation during continuous duty cycles.

Supplemental Images

