

XRF-12038BM XIN RUI FENG 24VDC 120x120x38mm Axial Fan Datasheet



SKU: [954672099815](#)

Category: Axial & Centrifugal Fans

Price: **\$7.99**

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Product Page:

<https://www.equipspares.com/product/xrf-12038bm-xin-rui-feng-24vdc-120x120x38mm-axial-fan>

Product Description

The XIN RUI FENG XRF-12038BM is a precision-engineered Axial Fan designed for high-demand thermal management in industrial electronics. Utilizing advanced DC motor technology, this unit optimizes torque delivery while minimizing electromagnetic interference. The rotor assembly is supported by a robust bearing architecture, ensuring long-term structural rigidity and a reduced friction coefficient under continuous operation. Its aerodynamic impeller design maximizes static pressure capabilities, effectively overcoming high thermal impedance within dense inverter chassis and server enclosures. The housing is constructed to withstand rigorous environmental conditions, maintaining dimensional stability and airflow efficiency throughout its service life.

Model Number: XRF-12038BM

Brand: XIN RUI FENG

Product Type: Axial Fan

Rated Voltage: 24VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.50 A

Power Input: 12.0 W

Rated Speed: 2800 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 105.0 CFM (178.4 m³/h / 2.97 m³/min)

Max. Static Pressure: 8.50 mmH₂O (83.36 Pa / 0.33 inH₂O)

Dimensions: 120 x 120 x 38 mm

Weight: 280 g

Noise Level: 45.0 dB(A)

Frame Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 50,000 Hours at 40°C

Termination: 2-Wire Lead

Ingress Protection: IP20

This cooling solution is specifically engineered for critical industrial equipment requiring reliable heat dissipation. The XRF-12038BM is frequently integrated into variable frequency drive (VFD) inverters, ensuring power electronics remain within safe thermal operating limits. Additionally, the XRF-12038BM serves as a primary cooling component in server racks, telecommunication cabinets, and automated CNC machinery control panels where consistent airflow is paramount for system longevity.

Supplemental Images

