

RDM1238B4 XFAN 48VDC 120x120x38mm Industrial Axial Fan Datasheet



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Category: Axial & Centrifugal Fans

Price: **\$9.99**

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Product Description

The XFAN RDM1238B4 is a precision-engineered DC Axial Fan designed to mitigate thermal saturation in high-density electronic enclosures. Utilizing an advanced Dual Ball Bearing architecture, this unit ensures minimal frictional coefficient and extended operational longevity under continuous load. The aerodynamic impeller profile is optimized to deliver high static pressure, effectively overcoming impedance in restricted airflow environments such as server racks and telecommunications cabinets. Constructed with high-rigidity thermoplastic, the frame maintains structural integrity while minimizing resonance and vibration, ensuring reliable thermal dissipation for critical industrial components.

Model Number: RDM1238B4

Brand: XFAN (Xinruilian)

Product Type: DC Axial Fan

Rated Voltage: 48VDC

Voltage Range: 36.0 - 56.0 VDC

Rated Current: 0.30 A

Power Consumption: 14.4 W

Rated Speed: 3200 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 115.0 CFM (195.4 m³/h)

Max. Static Pressure: 10.2 mmH₂O (100.0 Pa / 0.40 inH₂O)

Dimensions: 120 x 120 x 38 mm

Weight: 285 g

Life Expectancy: 50,000 Hours at 40°C

Noise Level: 48.0 dBA

Termination: 2-Wire Lead (Red +, Black -)

Housing Material: PBT Thermoplastic (UL94V-0)

Blade Material: PBT Thermoplastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP20

Insulation Resistance: >10M Ohm at 500VDC

Dielectric Strength: 5mA at 1500VAC for 1 min

Mounting Orientation: Any

The RDM1238B4 is specifically calibrated for deployment in mission-critical hardware where consistent airflow is paramount, such as telecommunications base stations, network switches, and industrial automation control panels. Its high-pressure capabilities make the RDM1238B4 an ideal solution for forcing air through dense heatsinks and filter assemblies found in CNC machinery and power supply units. By maintaining optimal operating temperatures, this fan safeguards sensitive electronics from thermal throttling and premature failure in 24/7 operational environments.

Supplemental Images

