

XA1238B48H XA-CAJ 48VDC 120x120x38mm IP68 Waterproof Axial Fan Datasheet



SKU: [681430123936](#)

Category: Axial & Centrifugal Fans

Price: **\$20.99**

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Product Page:

<https://www.equipspares.com/product/xa1238b48h-xa-caj-48vdc-120x120x38mm-ip68-waterproof-axial-fan>

Product Description

The XA-CAJ XA1238B48H is a robust Axial Fan designed for critical thermal management in harsh industrial environments. Engineered with a 48VDC motor and a fully encapsulated stator, this unit achieves an IP68 ingress protection rating, making it impervious to dust and continuous submersion in water. The fan features a high-static pressure impeller housed within a rigid thermoplastic frame, optimizing aerodynamic efficiency while minimizing turbulence-induced noise. Utilizing a precision bearing system, the XA1238B48H ensures exceptional longevity and stable operation, delivering consistent airflow performance essential for maintaining thermal equilibrium in high-moisture applications.

Model Number: XA1238B48H

Brand: XA-CAJ

Product Type: Axial Fan

Rated Voltage: 48 VDC

Voltage Range: 38.0 - 56.0 VDC

Rated Current: 0.18 A

Input Power: 8.64 W

Rated Speed: 2800 RPM

Bearing Type: Dual Ball Bearing

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

Max. Static Pressure: 8.10 mmH₂O (79.4 Pa / 0.32 inH₂O)

Dimensions: 120 x 120 x 38 mm

Ingress Protection: IP68 (Glue Filled)

Noise Level: 44.5 dBA

Housing Material: PBT Thermoplastic (UL94V-0)

Impeller Material: PBT Thermoplastic (UL94V-0)

Termination: 2-Wire Leads

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 50,000 Hours @ 40°C

The XA1238B48H is engineered for direct integration into industrial humidification systems and outdoor electronic enclosures where water resistance is paramount. This cooling solution is widely utilized in telecom base stations, agricultural ventilation, and marine instrumentation panels. By providing reliable airflow under wet conditions, the XA1238B48H prevents thermal throttling in power inverters and ensures the continuous operation of misting equipment and heavy-duty servers exposed to environmental elements.