

KA1238X-3200D24B RD-H KAKU 24VDC 120x120x38mm Axial Fan Datasheet



Brand: KAKU

SKU: [703398362474](#)

Category: Axial & Centrifugal Fans

Price: **\$32.99**

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Product Page:

<https://www.equipspares.com/product/ka1238x-3200d24b-rd-h-kaku-24vdc-120x120x38mm-axial-fan>

Product Description

The KAKU KA1238X-3200D24B RD-H is a precision-engineered DC Axial Fan designed for critical thermal management in industrial environments. Utilizing advanced DC motor technology and a robust dual ball bearing architecture, this unit ensures minimal friction and extended operational longevity under continuous load. The aerodynamic impeller design optimizes airflow efficiency while maintaining structural rigidity, effectively reducing thermal impedance within high-density enclosures. Featuring a specialized 3-wire configuration with a Rotation Detection (RD) alarm signal, it provides real-time status monitoring to prevent system failure. The housing is constructed from durable thermoplastic, offering superior resistance to environmental stressors while delivering consistent cooling performance for sensitive electronic components.

Model Number: KA1238X-3200D24B RD-H

Brand: KAKU

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 20.4 - 27.6 VDC

Rated Current: 0.50 A

Input Power: 12.0 W

Rated Speed: 3200 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 105.0 CFM (178.4 m³/h / 2.97 m³/min)
Max. Static Pressure: 8.2 mmH₂O (80.4 Pa / 0.32 inH₂O)
Dimensions: 120 x 120 x 38 mm
Weight: 270 g
Life Expectancy: 50,000 Hours at 25°C
Noise Level: 45.0 dB(A)
Housing Material: Thermoplastic PBT (UL94V-0)
Impeller Material: Thermoplastic PBT (UL94V-0)
Termination: 3-Wire Lead (Red, Black, Yellow)
Signal Output: RD Signal (Rotation Detector / Alarm)
Wire Configuration: Red (+), Black (-), Yellow (Alarm)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Ingress Protection: IP20
Safety Certifications: CE, RoHS
Mounting Orientation: Any

Designed for high-reliability industrial applications, the KA1238X-3200D24B RD-H is frequently deployed in variable frequency drive (VFD) inverters and heavy-duty power supply units where consistent thermal dissipation is mandatory. Its robust construction makes it ideal for server rack cooling, CNC machinery control panels, and telecommunications infrastructure requiring active fault monitoring. The KA1238X-3200D24B RD-H ensures operational stability in automation systems by preventing overheating through its integrated alarm signaling, allowing for immediate maintenance intervention during fan failure events.

Supplemental Images

