

KA1238-3500D24B KAKU 24VDC 120x120x38mm Alarm Axial Fan Datasheet



Brand: KAKU

SKU: [876509019696](#)

Category: Axial & Centrifugal Fans

Price: **\$32.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/ka1238-3500d24b-kaku-24vdc-120x120x38mm-alarm-axial-fan>

Product Description

The KAKU KA1238-3500D24B is a DC Axial Fan engineered for rigorous thermal management in industrial enclosures and electronic systems. This unit utilizes a precision Ball Bearing architecture to ensure rotational stability and extended operational longevity under continuous load conditions. Featuring a robust thermoplastic PBT frame and impeller (UL94V-0), the design optimizes aerodynamic throughput while maintaining structural rigidity against vibration. The motor assembly operates at a rated 24VDC with a current draw of 0.39A, delivering efficient airflow with reduced thermal impedance. Integrated with a 3-wire alarm signal system, it provides critical status feedback for system monitoring, making it a reliable component for maintaining optimal operating temperatures in sensitive electronic environments requiring consistent active cooling.

Model Number: KA1238-3500D24B

Brand: KAKU

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.39 A

Power Consumption: 9.36 W

Rated Speed: 3500 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 120.0 CFM (203.8 m³/h / 3.39 m³/min)

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

Dimensions: 120 x 120 x 38 mm

Weight: 260 g

Life Expectancy: 50,000 Hours at 25°C

Noise Level: 45.0 dBA

Frame Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Termination: 3-Wire Leads (with Alarm Signal)

Signal Output: Alarm / Locked Rotor Sensor

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP20

Insulation Resistance: > 10M Ohms at 500VDC

Dielectric Strength: 500VAC for 1 Minute

Motor Protection: Impedance Protected, Reverse Polarity Protection

Mounting Orientation: Any

The KA1238-3500D24B is extensively utilized in high-density server racks and telecommunication cabinets where consistent airflow is paramount for hardware preservation. Its robust profile fits standard ventilation cutouts in industrial automation panels and CNC control units, effectively dissipating heat generated by power supplies and drives. Additionally, the KA1238-3500D24B serves as a critical cooling solution in medical instrumentation and network switchgear, ensuring system reliability through continuous thermal regulation.

Supplemental Images

