

KA1238HA2BML/FS KAKU 230V 120mm AC Fan with Failure Alarm

SKU: KA1238HA2BML/FS

Price: \$64.28

Categories: Fans

Tags: KAKU

Product Link:

<https://www.electspares.com/product/ka1238ha2bml-fs-kaku-230v-120mm-ac-fan-with-failure-alarm/>

Product Description

The KAKU KA1238HA2BML/FS is a high-performance 230 V industrial AC axial fan with dimensions of 120 x 120 x 38 mm, integrated with the FS120B/C Failure Alarm system. This unit is purpose-built to deliver elite-level thermal cooling in high-resistance airflow paths while providing real-time monitoring of fan operation. It features a heavy-duty shaded-pole motor capable of sustaining a 21 W power input (at 50 Hz) or 18 W (at 60 Hz) to drive its specialized high-velocity impeller at speeds of 2700 RPM or 3100 RPM respectively. Engineered specifically for air displacement in mission-critical hardware environments, it utilizes a 38 mm deep die-cast aluminum housing and the FS120B/C electronic alarm module to provide balanced pressure and immediate notification of rotation failure. The mechanical design relies on precision maintenance-free ball bearings and a black-painted frame to ensure reliable continuous operation across an ambient temperature range of -20 °C to 70 °C. Featuring a robust lead wire interface and thermal impedance protection, this fan is a critical component for industrial control cabinets, server racks, and high-security power systems where long-term reliability and active status monitoring are mandatory.

KA1238HA2BML/FS Fan Parameters

Manufacturer: KAKU

Fan Model Number: KA1238HA2BML/FS

Alarm Model Number: FS120B/C

Series: KA Series (Monitor Integrated)

Industry Size Code: 12038

Type: AC Axial Fan with Failure Alarm

Bearing Type: Ball Bearing

Nominal Voltage: 230 VAC

Voltage Range: 220 - 240 VAC

Frequency: 50/60 Hz

Weight: 460 g

[Electrical Data]

Input Power: 21 W (50 Hz) / 18 W (60 Hz)

Nominal Current: 0.13 A (50 Hz) / 0.11 A (60 Hz)

Nominal Speed: 2700 RPM (50 Hz) / 3100 RPM (60 Hz)

Motor Design: Shaded-Pole Induction Motor

Alarm Function: Built-in failure detection (FS120B/C)

Motor Protection: Thermal impedance protected

Insulation Class: Class B

Termination: Lead wires

[Performance & Acoustics]

Max. Air Flow: 100.0 CFM (170.0 m³/h / 2.83 m³/min)

Max. Static Pressure: 8.64 mmH₂O (84.7 Pa / 0.34 inH₂O)

Sound Pressure Level: 45 dB(A) (50 Hz) / 51 dB(A) (60 Hz)

Number of Blades: 5

Direction of Rotation: Counter-clockwise (Viewed toward rotor)

Airflow Direction: Intake over struts

Mode of Operation: S1 (Continuous operation)

[Materials & Construction]

Frame Material: Die-cast aluminum, painted black

Impeller Material: Thermoplastic PBT (UL94V-0)

Alarm Module: Integrated electronic sensor

Installation Position: Any

Degree of Protection: IP20

[Reliability & Safety Standards]

Min. Ambient Temperature: -20 °C

Max. Ambient Temperature: 70 °C

Storage Temperature: -40 °C - 80 °C

Life Expectancy: 50,000 hours at 40 °C

Standard Compliance: CE, RoHS

Approval Agency: UL, TUV, CE

Application

The KAKU KA1238HA2BML/FS axial fan is used in high-security industrial control cabinets, data center server racks, telecommunications base stations, medical equipment ventilation, and uninterruptible power supplies (UPS).

Product Images









Scan for product details:

