

# KA1225-3000D24B KAKU 24V 0.29A 120x120x25mm DC Axial Fan

**SKU:** KA1225-3000D24B

**Price:** \$16.99

**Categories:** Fans

**Tags:** KAKU

**Product Link:**

<https://www.electspares.com/product/ka1225-3000d24b-kaku-24v-0-29a-120x120x25mm-dc-axial-fan/>

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## Product Description

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The KAKU KA1225-3000D24B is a high-performance 24 V industrial axial fan with dimensions of 120 x 120 x 25 mm, purpose-built to deliver elite-level thermal cooling in high-resistance airflow paths. This unit features a heavy-duty brushless DC motor capable of sustaining a 6.96 W power input to drive its specialized high-velocity impeller at a consistent 3000 RPM. Engineered specifically for air displacement in standard-profile enclosures, it utilizes a 25 mm housing to provide superior static pressure for localized hot-spot cooling in mission-critical hardware. The mechanical design relies on precision maintenance-free ball bearings and a fiberglass-reinforced PBT housing to ensure stable operation in demanding industrial environments. Featuring a robust 2-wire electrical interface for direct power connection, this fan is a critical component for industrial control cabinets, telecommunications racks, and high-capacity power supplies where reliability and standard form-factor compatibility are mandatory.

KA1225-3000D24B Fan Parameters

Manufacturer: KAKU

Model Number: KA1225-3000D24B

Series: KA1225 Series

Industry Size Code: 12025

Type: DC Axial Fan

Bearing Type: Ball Bearing

Nominal Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Starting Voltage: 12 VDC

Dimensions: 120 x 120 x 25 mm

Weight: 146 g

[Electrical Data]

Input Power: 6.96 W

Nominal Current: 0.29 A

Max. Current: 0.38 A (Startup surge)

Nominal Speed: 3000 RPM

Motor Design: Brushless DC Motor

Signal Output: None (2-Wire configuration)

Motor Protection: Polarity protection, Locked rotor protection

Insulation Class: Class A

Insulation Resistance: >10M ohm at 500 VDC

Termination: 2-Lead wires (UL1007, AWG 24)

[Performance & Acoustics]

Max. Air Flow: 108.0 CFM (183.5 m<sup>3</sup>/h / 3.06 m<sup>3</sup>/min)

Max. Static Pressure: 9.18 mmH<sub>2</sub>O (90.0 Pa / 0.36 inH<sub>2</sub>O)

Sound Pressure Level: 45 dB(A)

Number of Blades: 7

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

Airflow Direction: Exhaust over struts

Mode of Operation: S1 (Continuous operation)

[Materials & Construction]

Frame Material: Plastic (PBT reinforced with glass fiber, UL94V-0)

Impeller Material: Plastic (PBT reinforced with glass fiber, UL94V-0)

Installation Position: Any

Degree of Protection: IP20

[Reliability & Safety Standards]

Min. Ambient Temperature: -10 °C

Max. Ambient Temperature: 70 °C

Storage Temperature: -40 °C - 75 °C

Life Expectancy: 50,000 hours at 40 °C

Standard Compliance: UL, CE, RoHS

Approval Agency: UL, CUL, CE

Application

The KAKU KA1225-3000D24B axial fan is used in industrial control cabinets, server enclosures, power supply units, automation machinery, and telecommunications equipment.

## Product Images

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Scan for product details:

