

KA2072-4000D24B KAKU 24V 6.2A 208x208x72mm DC Axial Fan

SKU: KA2072-4000D24B

Price: \$199.99

Categories: Fans

Tags: KAKU

Product Link:

<https://www.electspares.com/product/ka2072-4000d24b-kaku-24v-6-2a-208x208x72mm-dc-axial-fan/>

Product Description

The KAKU KA2072-4000D24B is an ultra-high-performance 24 V industrial axial fan with dimensions of 208 x 208 x 72 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 150 W power input to drive its specialized 5-blade high-velocity impeller at a consistent 4000 RPM. Engineered specifically for massive air displacement in large-scale industrial systems, it utilizes a 72 mm deep housing to provide extreme static pressure and high-volume throughput for mission-critical hardware. The mechanical design relies on precision high-durability ball bearings and a robust housing to ensure stable operation in the most demanding heavy-duty environments. Featuring a simplified 2-wire electrical interface for direct power connection, this fan is a critical component for large industrial machinery, outdoor telecommunications heat exchangers, and high-capacity power conversion systems where maximum airflow and extreme cooling capacity are mandatory.

KA2072-4000D24B Fan Parameters

Manufacturer: KAKU

Model Number: KA2072-4000D24B

Series: KA2072 High-Power Series

Industry Size Code: 20872

Type: DC Axial Fan

Bearing Type: Ball Bearing

Nominal Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Starting Voltage: 12 VDC

Dimensions: 208 x 208 x 72 mm

Weight: 1500 g

[Electrical Data]

Input Power: 150 W

Nominal Current: 6.2 A

Max. Current: 8.5 A (Peak startup current)

Nominal Speed: 4000 RPM (Tolerance $\pm 10\%$)

Motor Design: Brushless DC Motor

Signal Output: None (2-Wire configuration)

Motor Protection: Locked Rotor Protection, Polarity Protection

Insulation Class: Class B

Insulation Resistance: >10M ohm at 500 VDC

Dielectric Strength: 1500 VAC for 1 minute

Termination: 2-Lead wires (UL1015, AWG 18, Red/Black)

[Performance & Acoustics]

Max. Air Flow: 916 CFM (1556.3 m³/h / 25.94 m³/min)

Max. Static Pressure: 33.78 mmH₂O (331.1 Pa / 1.33 inH₂O)

Sound Pressure Level: 80 dB(A) (Measured at 1 m)

Number of Blades: 5

Direction of Rotation: Clockwise (Viewed toward rotor)

Airflow Direction: Intake over struts (Exhaust toward label)

Mode of Operation: S1 (Continuous operation)

[Materials & Construction]

Frame Material: Die-cast Aluminum (Powder coated)

Impeller Material: Metal or Glass fiber reinforced plastic (UL94V-0)

Installation Position: Any

Degree of Protection: IP55

[Reliability & Safety Standards]

Min. Ambient Temperature: -20 °C

Max. Ambient Temperature: 70 °C

Storage Temperature: -40 °C - 80 °C

Life Expectancy (L10): 50,000 hours at 40 °C

Standard Compliance: UL, CE, RoHS

Approval Agency: UL, CUL, CE

Application

The KAKU KA2072-4000D24B axial fan is used in large industrial control cabinets, telecommunications base station heat exchangers, high-capacity UPS systems, renewable energy inverters, and heavy-duty factory automation machinery.

Product Images







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