

# FZY2004-D KAKU 380V 2800RPM 56W 210mm AC Axial Fan

**SKU:** FZY2004-D

**Price:** \$37.14

**Categories:** Fans

**Tags:** KAKU

**Product Link:**

<https://www.electspares.com/product/fzy2004-d-kaku-380v-2800rpm-56w-210mm-ac-axial-fan/>

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## Product Description

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The KAKU FZY2004-D is a high-performance 380 V industrial 3-phase AC axial fan with dimensions of 210 x 206 x 73 mm and an impeller size of 200 mm, purpose-built to deliver elite-level thermal cooling in high-resistance airflow paths. This unit features a heavy-duty external rotor motor capable of sustaining a 56 W power input (at both 50 Hz and 60 Hz) to drive its specialized high-velocity impeller at speeds of 2800 RPM or 3200 RPM respectively. Engineered specifically for air displacement in heavy-duty machinery and industrial power suites, it utilizes a 73 mm deep reinforced housing to provide balanced pressure and airflow for mission-critical hardware. The mechanical design relies on precision maintenance-free ball bearings and a black-painted rotor to ensure reliable continuous operation across an ambient temperature range of -30 °C to 70 °C. Featuring a robust 3-phase electrical interface with lead wire termination and an IP54 protection rating, this fan is a critical component for welding machines, frequency converters, and power distribution systems where long-term reliability and high aerodynamic efficiency are mandatory.

FZY2004-D Fan Parameters

Manufacturer: KAKU

Model Number: FZY2004-D

Series: FZY Series

Fan Size: 200 mm

Dimensions: 210 x 206 x 73 mm

Type: AC Axial Fan (3-Phase)

Bearing Type: Ball Bearing

Nominal Voltage: 380 VAC

Voltage Range: 340 - 420 VAC

Frequency: 50/60 Hz

Weight: 1350 g

[Electrical Data]

Input Power: 56 W (50 Hz) / 56 W (60 Hz)

Nominal Current: 0.13 A (50 Hz) / 0.12 A (60 Hz)

Nominal Speed: 2800 RPM (50 Hz) / 3200 RPM (60 Hz)

Motor Design: AC External Rotor Motor (3-Phase)

Motor Protection: Thermal impedance protected

Insulation Class: Class B

Termination: Lead wires

[Performance & Acoustics]

Max. Air Flow: 571.0 CFM (970.1 m<sup>3</sup>/h / 16.17 m<sup>3</sup>/min)

Max. Static Pressure: 23.11 mmH<sub>2</sub>O (226.6 Pa / 0.91 inH<sub>2</sub>O)

Sound Pressure Level: 65 dB(A) (50 Hz) / 70 dB(A) (60 Hz)

Number of Blades: 6

Direction of Rotation: Clockwise (Viewed toward rotor)

Airflow Direction: Exhaust over struts

Mode of Operation: S1 (Continuous operation)

[Materials & Construction]

Housing Material: Sheet steel, painted black

Impeller Material: Sheet steel, painted black

Rotor Surface: Painted black

Installation Position: Any

Degree of Protection: IP54

[Reliability & Safety Standards]

Min. Ambient Temperature: -30 °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: CCC, CE

Application

The KAKU FZY2004-D axial fan is used in electric welding machines, industrial refrigeration units, ultrasonic cleaning equipment, power distribution cabinets, and factory automation cooling systems.

## **Product Images**

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Scan for product details:

