

FZY150C04-D KAKU 380V 30W 148x54mm AC Axial Fan

SKU: FZY150C04-D

Price: \$26.28

Categories: Fans

Tags: KAKU

Product Link:

<https://www.electspares.com/product/fzy150c04-d-kaku-380v-30w-148x54mm-ac-axial-fan/>

Product Description

The KAKU FZY150C04-D is a high-performance 380 V industrial 3-phase AC axial fan with an impeller size of 150 mm and dimensions of 148 x 148 x 54 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 30 W power input (at 50 Hz) or 27 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 compact industrial machinery and electrical control suites, it utilizes a 54 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 a 3-wire lead 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.

FZY150C04-D Fan Parameters

Manufacturer: KAKU

Model Number: FZY150C04-D

Series: FZY Series

Fan Size: 150 mm

Dimensions: 148 x 148 x 54 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: 900 g

[Electrical Data]

Input Power: 30 W (50 Hz) / 27 W (60 Hz)

Nominal Current: 0.07 A (50 Hz) / 0.06 A (60 Hz)

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

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

Motor Protection: Thermal impedance protected

Insulation Class: Class B

Termination: 3-Lead wires

[Performance & Acoustics]

Max. Air Flow: 216.0 CFM (367.0 m³/h / 6.12 m³/min)

Max. Static Pressure: 7.87 mmH₂O (77.2 Pa / 0.31 inH₂O)

Sound Pressure Level: 62 dB(A) (50 Hz) / 65 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 FZY150C04-D axial fan is used in electric welding machines, ultrasonic cleaners, small frequency inverters, power distribution cabinets, and medical laboratory equipment.

Product Images









Scan for product details:

