

# SJ2509HA2 San Ju 220-240VAC 254x89mm High Temp Axial Fan Datasheet



SKU: [906165312817](#)

Category: Axial & Centrifugal Fans

Price: **\$111.99**

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E-mail: [sales@equipspares.com](mailto:sales@equipspares.com)

Web: <https://www.equipspares.com>

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Product Page:

<https://www.equipspares.com/product/sj2509ha2-san-ju-220-240vac-254x89mm-high-temp-axial-fan>

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## Product Description

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The San Ju SJ2509HA2 is a robust AC Axial Fan engineered for demanding industrial environments requiring superior thermal management and structural rigidity. This unit utilizes an advanced AC induction motor architecture designed to minimize thermal impedance while maintaining consistent torque delivery across 50/60Hz frequencies. Constructed with a high-density aluminum die-cast frame, the fan ensures exceptional dimensional stability under thermal stress, making it ideal for high-temperature applications. The aerodynamic impeller design optimizes airflow efficiency, reducing turbulence and operational noise while maximizing static pressure capabilities. Its durable ball bearing system supports prolonged continuous operation, ensuring reliability in critical cooling infrastructures where consistent air exchange is paramount for system stability and component longevity.

Model Number: SJ2509HA2

Brand: San Ju

Product Type: AC Axial Fan

Rated Voltage: 220-240 VAC

Frequency: 50/60 Hz

Rated Current: 0.45 A

Input Power: 65 W

Rated Speed: 2600 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 550.0 CFM (934.5 m<sup>3</sup>/h)

Max. Static Pressure: 12.5 mmH<sub>2</sub>O (122.5 Pa / 0.49 inH<sub>2</sub>O)

Dimensions: 254 x 254 x 89 mm

Weight: 2.2 kg

Frame Material: Aluminum Die-Cast (Black Coating)

Blade Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -20°C to +80°C

Storage Temperature: -40°C to +80°C

Termination: Lead Wires

Insulation Resistance: > 100M Ohm at 500V DC

Dielectric Strength: 1500 VAC for 1 Minute

Life Expectancy: 50,000 Hours at 25°C

Mounting Orientation: Any

Ingress Protection: IP44

Motor Protection: Impedance Protected

The SJ2509HA2 is frequently deployed in large-scale industrial machinery and electrical cabinet cooling systems where high static pressure is required to overcome system resistance. Common implementations include server rack ventilation, heavy-duty welding machines, and power distribution units that generate significant heat loads. The SJ2509HA2 also serves effectively in HVAC auxiliary systems, heat exchangers, and CNC control panels, providing reliable air movement to prevent component overheating in continuous-duty manufacturing environments.

## Supplemental Images

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