

FP-108JC-S1B Commonwealth 220/240VAC 92x92x38mm Axial Fan Datasheet



Brand: Commonwealth

SKU: 894700118762

Category: Axial & Centrifugal Fans

Price: **\$22.99**

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Product Page:

<https://www.equipspares.com/product/fp-108jc-s1b-commonwealth-220-240vac-92x92x38mm-axial-fan>

Product Description

The Commonwealth FP-108JC-S1B is a robust AC axial fan engineered for critical thermal management in industrial enclosures and machinery. This unit utilizes a reliable shaded pole induction motor integrated within a precision-cast aluminum alloy housing, ensuring superior structural rigidity and effective heat dissipation. Featuring an aerodynamically optimized impeller composed of UL94V-0 reinforced thermoplastic, the fan delivers consistent airflow while minimizing turbulence-induced noise. The motor assembly is impedance protected to prevent burnout during locked rotor conditions, ensuring long-term reliability and safety. Designed for continuous duty cycles, the FP-108JC-S1B maintains optimal thermal impedance across varying static pressure loads, making it an essential component for maintaining system stability in high-density electronic environments.

Model Number: FP-108JC-S1B

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Product Type: AC Axial Fan

Rated Voltage: 220/240 VAC

Frequency: 50 / 60 Hz

Rated Current: 0.15 / 0.12 A

Input Power: 16 / 13 W

Rated Speed: 2700 / 3100 RPM

Bearing Type: Sleeve Bearing
Max. Air Flow: 37.0 CFM (62.8 m³/h / 1.05 m³/min)
Max. Static Pressure: 5.3 mmH₂O (52 Pa / 0.21 inH₂O)
Dimensions: 92 x 92 x 38 mm
Weight: 450 g
Noise Level: 35 / 40 dBA
Housing Material: Aluminum Alloy (Black Paint)
Impeller Material: Thermoplastic PBT (UL94V-0)
Termination: 2-Pin Terminals
Motor Type: Shaded Pole Induction Motor
Protection: Impedance Protected
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Dielectric Strength: 1500 VAC for 1 minute
Insulation Resistance: >100M Ohm at 500VDC
Mounting Orientation: Vertical or Horizontal

The FP-108JC-S1B is specifically calibrated for deployment in restricted-space industrial applications such as compact server racks, telecommunications cabinets, and power supply units. Its compact 92mm form factor allows for seamless integration into legacy machinery and modern CNC control panels where efficient heat evacuation is paramount. By providing consistent air exchange, the FP-108JC-S1B safeguards sensitive components from thermal throttling, ensuring operational continuity in medical instrumentation and automated manufacturing systems.

Supplemental Images

