

# FP-108CX-S1B Commonwealth 220/240VAC 172x150x38mm Axial Fan Datasheet



**Brand:** Commonwealth

**SKU:** [953479539635](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$42.99**

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Product Page:

<https://www.equipspares.com/product/fp-108cx-s1b-commonwealth-220-240vac-172x150x38mm-axial-fan>

## Product Description

The Commonwealth FP-108CX-S1B is a robust AC Axial Fan engineered for high-demand industrial thermal management applications. Utilizing a precision Ball Bearing architecture, this unit ensures minimal frictional resistance and extended operational service life under continuous loads. The aerodynamic impeller is housed within a die-cast aluminum frame, providing superior structural rigidity and effective heat dissipation. Designed for 220/240VAC operation, the motor assembly features impedance protection to prevent burnout, optimizing thermal impedance and ensuring reliability in volatile electrical environments. This fan delivers consistent airflow performance essential for maintaining system stability in critical machinery, balancing high static pressure with efficient volumetric air movement.

Model Number: FP-108CX-S1B

Brand: Commonwealth (CIC)

Product Type: AC Axial Fan

Rated Voltage: 220/240 VAC

Frequency: 50/60 Hz

Rated Current: 0.18 / 0.16 A

Power Input: 27 / 24 W

Rated Speed: 2900 / 3300 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 190 / 235 CFM (322.8 / 399.2 m<sup>3</sup>/h)

Max. Static Pressure: 16.5 / 21.0 mmH<sub>2</sub>O (161.8 / 205.9 Pa / 0.65 / 0.83 inH<sub>2</sub>O)

Dimensions: 172 x 150 x 38 mm

Weight: 840 g

Housing Material: Die-Cast Aluminum

Impeller Material: Thermoplastic PBT (UL94V-0)

Noise Level: 50 / 55 dBA

Motor Type: Capacitor Induction Motor

Ingress Protection: IP20 (Standard)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Termination: Terminal / Lead Wire

Mounting Orientation: Any

The FP-108CX-S1B is specifically calibrated for integration into industrial enclosures where space and airflow efficiency are paramount. Common deployment scenarios include server rack cooling systems, telecommunications cabinets, and power supply units requiring consistent thermal regulation. The FP-108CX-S1B also serves effectively in CNC machinery control panels and medical instrumentation, ensuring critical components remain within safe operating temperature ranges to prevent thermal throttling or hardware failure.

## Supplemental Images

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