

FP-108CX-S1-B Commonwealth 220/240VAC 162x150x38mm AC Axial Fan Datasheet



Brand: Commonwealth

SKU: 919094809096

Category: Axial & Centrifugal Fans

Price: \$47.99

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/fp-108cx-s1-b-commonwealth-220-240vac-162x150x38mm-ac-axial-fan>

Product Description

The Commonwealth FP-108CX-S1-B is a robust AC Axial Fan engineered for critical thermal management in industrial environments. Featuring a durable aluminum die-cast frame and a UL94V-0 thermoplastic impeller, this unit ensures structural rigidity and optimal aerodynamic performance under continuous operation. The motor utilizes a reliable sleeve bearing architecture designed to balance operational longevity with cost-efficiency. With an impedance-protected shaded pole motor design, the fan offers resilience against electrical fluctuations while delivering consistent airflow. Its elliptical form factor allows for versatile integration into space-constrained enclosures, minimizing thermal impedance in high-density electronic cabinets and machinery.

Model Number: FP-108CX-S1-B

Brand: Commonwealth

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: Sleeve Bearing

Max. Air Flow: 190 / 235 CFM (5.38 / 6.65 m³/min)
Max. Static Pressure: 14.0 / 17.3 mmH₂O (137 / 169 Pa)
Dimensions: 162mm x 150mm x 38mm
Noise Level: 50 / 55 dBA
Frame Material: Aluminum Alloy Die-Cast
Impeller Material: PBT Thermoplastic (UL94V-0)
Motor Type: Shaded Pole Induction Motor
Termination: Terminals
Operating Temperature: -10°C to +70°C
Insulation Resistance: >100M Ohm at 500VDC
Dielectric Strength: 1500VAC for 1 Minute
Protection: Impedance Protected
Weight: 840 g

Designed for rigorous industrial applications, the FP-108CX-S1-B excels in ventilating server racks, telecommunication cabinets, and automation control panels. Its oval profile makes it particularly suitable for retrofitting into legacy machinery or CNC equipment where standard square frames may not fit. The FP-108CX-S1-B provides reliable heat dissipation for power supplies and instrumentation, ensuring continuous operation in manufacturing facilities and data centers.

Supplemental Images

