

# FP-108EX Commonwealth 230VAC 172x150x51mm AC Axial Fan Datasheet



**Brand:** Commonwealth

**SKU:** 738285763700

**Category:** Axial & Centrifugal Fans

**Price:** **\$31.99**

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

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

Product Page:

<https://www.equipspares.com/product/fp-108ex-commonwealth-230vac-172x150x51mm-ac-axial-fan>

## Product Description

The Commonwealth FP-108EX is a robust AC axial fan engineered for high-static pressure industrial environments requiring consistent thermal management. Utilizing a capacitor-run induction motor architecture paired with a precision ball bearing system, this unit ensures minimal friction and extended operational longevity under continuous load. The aerodynamic impeller design is housed within a die-cast aluminum frame, providing superior structural rigidity and effective heat dissipation. Designed for 230VAC operation, the fan optimizes airflow efficiency while maintaining a stable thermal impedance profile, making it suitable for critical cooling applications where reliability and durability are paramount.

Model Number: FP-108EX

Brand: Commonwealth (CIC)

Product Type: AC Axial Fan

Rated Voltage: 230 VAC

Voltage Range: 220 - 240 VAC

Frequency: 50/60 Hz

Rated Current: 0.29 A

Power: 35 W

Rated Speed: 2900 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 225.0 CFM (382.2 m<sup>3</sup>/h / 6.37 m<sup>3</sup>/min)  
Max. Static Pressure: 18.0 mmH<sub>2</sub>O (176.5 Pa / 0.71 inH<sub>2</sub>O)  
Dimensions: 172mm x 150mm x 51mm  
Frame Material: Aluminum Die-Cast (Black Paint)  
Impeller Material: PBT Thermoplastic (UL94V-0)  
Noise Level: 55 dBA  
Termination: Lead Wires / Terminals  
Operating Temperature: -20°C to +70°C  
Storage Temperature: -40°C to +80°C  
Life Expectancy: 50,000 Hours at 25°C  
Motor Type: Capacitor-Run Induction Motor  
Protection: Impedance Protected  
Insulation Resistance: 10M Ohm at 500VDC  
Dielectric Strength: 1500VAC for 1 Minute  
Weight: 940 g

The FP-108EX is specifically designed for demanding industrial applications such as server cabinet ventilation, large-scale power supply cooling, and CNC machinery heat dissipation. Its robust construction allows for integration into welding machines and telecommunications infrastructure where consistent airflow is critical. The FP-108EX maintains optimal operating temperatures in enclosed electronics racks, preventing thermal throttling and ensuring system stability in automation control panels and medical instrumentation.

## Supplemental Images

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