

# 4850Z ebm-papst 230VAC 120mm Metal Housing Axial Fan Datasheet



**Brand:** ebmpapst

**SKU:** 993563356432

**Category:** Axial & Centrifugal Fans

**Price:** **\$35.99**

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Product Page:

<https://www.equipspares.com/product/4850z-ebm-papst-230vac-120mm-metal-housing-axial-fan>

## Product Description

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The ebm-papst 4850Z is a robust AC Axial Fan designed for demanding industrial thermal management applications. Engineered with a durable all-metal housing and high-precision ball bearing architecture, this unit ensures exceptional structural rigidity and longevity under continuous operation. The motor assembly operates efficiently at 230VAC, delivering optimized airflow with minimal thermal impedance. Its aerodynamic blade design reduces turbulence while maintaining consistent static pressure, making it suitable for high-density electronic enclosures. The 4850Z integrates advanced impedance protection to prevent motor burnout, ensuring reliability in critical cooling systems where stable operating temperatures are paramount for component preservation.

Model Number: 4850Z

Brand: ebm-papst

Product Type: AC Axial Fan

Rated Voltage: 230 VAC

Frequency: 50 / 60 Hz

Voltage Range: 207 - 253 VAC

Rated Current: 0.08 / 0.07 A (80 / 70 mA)

Power Consumption: 13 / 12 W

Rated Speed: 1700 / 1800 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 61.8 CFM (105 m<sup>3</sup>/h)

Max. Static Pressure: 4.0 mmH<sub>2</sub>O (39 Pa / 0.16 inH<sub>2</sub>O)

Dimensions: 119 x 119 x 38 mm

Weight: 0.54 kg

Housing Material: Metal

Impeller Material: Sheet Steel

Life Expectancy: 60,000 hrs @ 40°C

Operating Temperature: -10°C to +65°C

Storage Temperature: -40°C to +80°C

Noise Level: 30 / 32 dB(A)

Termination: 2 Flat Plugs 2.8 x 0.5 mm

Motor Protection: Impedance Protected

Insulation Class: E

Mounting Orientation: Any

Certifications: VDE, CSA, UL, CE

The 4850Z is specifically engineered for critical cooling in industrial automation and power conversion systems. Frequently utilized within variable frequency drives (VFDs) and heavy-duty inverters, this fan ensures optimal thermal regulation for sensitive power electronics. The 4850Z also serves as a reliable cooling solution for server cabinets, telecommunications infrastructure, and CNC machinery control panels, where consistent airflow is required to prevent thermal throttling and extend equipment service life.

## Supplemental Images

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