

W2E200-HK86-01 ebmpapst 115VAC 225x225x80mm Axial Fan Datasheet



Brand: ebmpapst

SKU: 1001071362523

Category: Axial & Centrifugal Fans

Price: **\$385.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/w2e200-hk86-01-ebmpapst-115vac-225x225x80mm-axial-fan>

Product Description

The ebmpapst W2E200-HK86-01 is a robust AC axial fan engineered for demanding industrial thermal management and high-static pressure applications. Utilizing an advanced external rotor motor design, this unit integrates the motor directly into the sheet steel impeller hub, optimizing compactness and rotational inertia for rapid acceleration. The system features a precision ball bearing architecture, ensuring long-term operational stability and significantly reduced thermal impedance under continuous load conditions. Constructed with a rugged die-cast aluminum housing, the W2E200-HK86-01 offers superior structural rigidity and vibration damping properties. Its aerodynamic profile is calibrated to deliver high-volume airflow while maintaining efficiency across both 50Hz and 60Hz frequencies, making it a critical component for maintaining thermal equilibrium in high-density electronic enclosures and industrial machinery.

Model Number: W2E200-HK86-01

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Product Type: AC Axial Fan

Rated Voltage: 115 VAC

Frequency: 50 / 60 Hz

Rated Current: 0.58 / 0.70 A

Power Consumption: 64 / 80 W

Rated Speed: 2550 / 2800 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 600.3 CFM (1020 m³/h / 17.0 m³/min)

Max. Static Pressure: 15.0 mmH₂O (147 Pa / 0.59 inH₂O)

Dimensions: 225 x 225 x 80 mm

Weight: 2.4 kg

Housing Material: Die-cast Aluminum

Impeller Material: Sheet Steel, coated in black

Motor Type: M2E068-BF

Motor Protection: Thermal Overload Protector (TOP) wired internally

Ingress Protection: IP44

Insulation Class: Class B

Operating Temperature: -25°C to +75°C

Mounting Orientation: Any

Electrical Connection: Terminal Block / Lead Wires

Capacitor: Integrated / Required (Included)

Life Expectancy: > 40,000 Hours at 40°C

Noise Level: 59 / 61 dB(A)

Certifications: CE, UL, CSA, VDE

Direction of Rotation: Counter-clockwise seen on rotor

The W2E200-HK86-01 is extensively utilized in industrial environments requiring reliable heat dissipation, such as large-scale server racks, telecommunications base stations, and power inverters. Its robust construction makes it ideal for CNC machinery control panels, welding equipment, and medical diagnostic devices where consistent airflow is paramount. By integrating the W2E200-HK86-01 into ventilation systems, operators ensure optimal operating temperatures for sensitive electronics, preventing thermal throttling and extending component lifespan in continuous-duty applications.

Supplemental Images

