

W2E200-HH86-01 ebm-papst 115VAC 225x80mm Axial Fan Datasheet



Brand: ebmpapst

SKU: 927837391973

Category: Axial & Centrifugal Fans

Price: **\$158.99**

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Product Page:

<https://www.equipspares.com/product/w2e200-hh86-01-ebm-papst-115vac-225x80mm-axial-fan>

Product Description

The ebm-papst W2E200-HH86-01 is a robust AC Axial Fan engineered for high-demand industrial thermal management and ventilation systems. Featuring an advanced external rotor motor design, this unit optimizes aerodynamic efficiency while maintaining exceptional structural rigidity through its die-cast aluminum housing. The seven-blade sheet steel impeller is precision-balanced to minimize vibration and acoustic noise, ensuring reliable operation under continuous loads. Designed with a durable ball bearing system, the W2E200-HH86-01 delivers consistent airflow performance, effectively reducing thermal impedance in critical electronic enclosures and machinery. Its rugged construction meets stringent industrial standards for longevity, making it an ideal solution for environments requiring sustained high-volume air movement.

Model Number: W2E200-HH86-01

Brand: ebm-papst

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: 544.4 CFM (925 m³/h / 15.4 m³/min)
Max. Static Pressure: 0.62 inH₂O (155 Pa / 15.8 mmH₂O)
Dimensions: 225 x 225 x 80 mm
Weight: 2.1 kg
Housing Material: Die-cast Aluminum
Impeller Material: Sheet Steel, Black Coated
Motor Type: M2E068-BF External Rotor
Motor Protection: Thermal Overload Protector (TOP)
Operating Temperature: -25°C to +65°C
Insulation Class: B
Ingress Protection: IP44
Life Expectancy: > 30,000 Hours
Phase: Single Phase
Mounting Orientation: Any

The W2E200-HH86-01 is extensively utilized in industrial automation and telecommunications infrastructure where reliable heat dissipation is paramount. Common deployments include large-scale server racks, control cabinet cooling, and variable frequency drive (VFD) ventilation systems. The robust design of the W2E200-HH86-01 also makes it suitable for medical imaging equipment, welding machines, and heavy-duty HVAC air handling units, ensuring critical components remain within safe operating temperature ranges during continuous duty cycles.

Supplemental Images

