W2E250-HJ52-06 ebm-papst 115VAC 280x280x80mm Axial Fan Datasheet

Brand: ebmpapst

SKU: 869668523695

Category: Axial & Centrifugal Fans

Price: **$437.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/w2e250-hj52-06-ebm-papst-115vac-280x280x80mm-axial-fan

Product Description

The ebm-papst W2E250-HJ52-06 is a robust AC Axial Fan engineered for high-static pressure industrial environments. Featuring an advanced external rotor motor integrated into a die-cast aluminum housing, this unit ensures superior structural rigidity and thermal impedance management. The aerodynamic impeller design, constructed from coated sheet steel, optimizes airflow efficiency while minimizing acoustic resonance. Equipped with a precision ball bearing system, the W2E250-HJ52-06 delivers consistent performance and extended operational life under continuous duty cycles, making it a critical component for thermal regulation in demanding electrical systems.

Model Number: W2E250-HJ52-06
Brand: ebm-papst
Product Type: AC Axial Fan
Rated Voltage: 115 VAC
Frequency: 50 / 60 Hz
Voltage Range: 100 - 130 VAC
Rated Current: 1.10 A
Power Input: 126 W
Rated Speed: 2600 RPM
Bearing Type: Ball Bearing

Max. Air Flow: 1147 CFM (1950 m^3/h)
Max. Static Pressure: 0.56 inH_2O (140 Pa)
Dimensions: 280x280x80mm
Weight: 2.5 kg
Housing Material: Die-Cast Aluminum
Impeller Material: Sheet Steel, Black Coated
Motor Type: External Rotor AC Motor
Ingress Protection: IP44
Insulation Class: Class B
Operating Temperature: -25°C to +70°C
Life Expectancy: 40,000 Hours (40°C)
Termination: Terminal Block
Capacitor: 10 µF / 220 V (Integrated/Required)
Direction of Rotation: Counter-clockwise (seen on rotor)
Mounting Orientation: Any
Certifications: CE, UL, CSA, VDE

The W2E250-HJ52-06 is specifically designed for high-load thermal management applications requiring substantial airflow and reliability. Common deployment scenarios include large-scale server rack cooling, industrial control cabinet ventilation, and heat exchanger systems where consistent static pressure is vital. The W2E250-HJ52-06 also serves effectively in variable frequency drive (VFD) cooling and photovoltaic inverter systems, ensuring critical components remain within safe operating temperature ranges to prevent thermal throttling or failure.

Supplemental Images