

YWF2E-250 Hangda 220VAC 250mm External Rotor Axial Fan Datasheet



SKU: 906062665627

Category: Axial & Centrifugal Fans

Price: \$109.99

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Product Page:

<https://www.equipspares.com/product/ywf2e-250-hangda-220vac-250mm-external-rotor-axial-fan>

Product Description

The Hangda YWF2E-250 is a precision-engineered External Rotor Axial Fan designed for high-efficiency thermal management in rigorous industrial environments. Utilizing advanced external rotor motor technology, this unit delivers superior torque characteristics and compact structural rigidity compared to conventional internal rotor designs. The aerodynamic impeller profile is optimized to minimize turbulence while maximizing volumetric flow, achieving a substantial 1800 m³/h at a rated speed of 2550 RPM. Engineered with robust insulation and thermal impedance properties, the YWF2E-250 ensures reliable continuous operation under demanding load conditions. Its integrated design facilitates efficient heat dissipation, making it a critical component for systems requiring stable static pressure and high-velocity air exchange.

Model Number: YWF2E-250

Brand: Hangda

Product Type: External Rotor Axial Fan

Rated Voltage: 220VAC

Frequency: 50Hz

Rated Current: 0.53 A

Power Input: 115 W

Rated Speed: 2550 RPM

Max. Air Flow: 1059.4 CFM (1800 m³/h)

Max. Static Pressure: 19.37 mmH₂O (190 Pa / 0.76 inH₂O)

Impeller Diameter: 250mm

Motor Type: Single Phase Asynchronous External Rotor

Bearing Type: Ball Bearing

Material: Coated Steel

Phase: Single Phase

Capacitor: Integrated/Required

Operating Temperature: -30°C to +60°C

Mounting Orientation: Any

Ingress Protection: IP54

Insulation Class: Class F

Life Expectancy: >30,000 Hours

The YWF2E-250 is extensively utilized in industrial ventilation and refrigeration sectors, providing critical airflow for condensers, evaporators, and heat exchangers. Its robust construction makes the YWF2E-250 ideal for installation in cold storage units, industrial exhaust systems, and heavy-duty welding machine cooling. Additionally, this model serves effectively in telecommunication cabinet ventilation and general factory air circulation, ensuring equipment remains within optimal thermal operating limits.

Supplemental Images

