145FZY2-S Beideer 220VAC 145mm External Rotor Axial Fan Datasheet

SKU: 862597070917

Category: Axial & Centrifugal Fans

Price: **$26.99**

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Product Page:
https://www.equipspares.com/product/145fzy2-s-beideer-220vac-145mm-external-rotor-axial-fan

Product Description

The Beideer 145FZY2-S is a robust industrial axial fan designed for high-demand thermal regulation in electrical welding equipment and power electronics. Utilizing an advanced external rotor motor architecture, this unit delivers consistent airflow with optimized static pressure capabilities. The construction features a durable double ball bearing system, ensuring reduced frictional coefficients and extended operational service life under continuous loads. Its aerodynamic metal impeller is balanced to minimize vibration and acoustic resonance, while the structural rigidity of the housing maintains alignment during thermal cycling. This 220VAC cooling solution effectively lowers thermal impedance in critical circuitry.

Model Number: 145FZY2-S
Brand: Beideer
Product Type: External Rotor Axial Fan
Rated Voltage: 220V AC
Frequency: 50 Hz
Input Power: 30 W
Rated Current: 0.18 A
Rated Speed: 2600 RPM
Bearing Type: Double Ball Bearing
Max. Air Flow: 205 CFM (348 m^3/h)

Max. Static Pressure: 0.63 inH_2O (157 Pa)
Dimensions: 145mm x 145mm x 60mm
Weight: 0.85 kg
Housing Material: Die-cast Aluminum
Impeller Material: Metal
Life Expectancy: 50,000 Hours at 25°C
Operating Temperature: -10°C to +65°C
Insulation Class: Class B
Noise Level: 62 dBA
Termination: Lead Wires
Ingress Protection: IP44

The 145FZY2-S is engineered specifically for thermal management in industrial environments, serving as a primary cooling component for electric welders and plasma cutters. By maintaining optimal operating temperatures, the 145FZY2-S prevents thermal throttling in power transformers and rectifier bridges. Additionally, this model is widely utilized in control cabinets, ultrasonic equipment, and industrial automation racks where reliable, continuous air exchange is required to protect sensitive electronic components from heat accumulation.

Supplemental Images