

YWF4E-300S Weiguang 220VAC 300mm Industrial Axial Fan Datasheet



Brand: Weiguang

SKU: 1009464165094

Category: Axial & Centrifugal Fans

Price: \$181.99

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Product Page:

<https://www.equipspares.com/product/ywf4e-300s-weiguang-220vac-300mm-industrial-axial-fan>

Product Description

The Weiguang YWF4E-300S is a robust industrial axial fan engineered for high-efficiency thermal management in cold chain and HVAC applications. Utilizing an advanced single-phase external rotor motor architecture, this unit delivers superior aerodynamic performance with optimized static pressure capabilities. The design features a 4-pole induction motor configuration that ensures consistent torque delivery and operational stability under continuous load. Constructed with high-grade steel blades and a durable safety grid, the fan minimizes structural resonance while maximizing airflow throughput. Its thermal impedance characteristics are managed via an integrated capacitor-run system, ensuring longevity and reliability in demanding environments requiring precise temperature regulation.

Model Number: YWF4E-300S

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Product Type: Axial Fan (External Rotor)

Rated Voltage: 220VAC

Frequency: 50Hz

Rated Current: 0.42 A

Input Power: 85 W

Rated Speed: 1380 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 971 CFM (1650 m³/h)
Blade Diameter: 300mm
Direction of Airflow: Suction (S)
Motor Type: Single Phase Capacitor Run
Number of Poles: 4
Capacitance: 3μF / 450V
Noise Level: 60 dBA
Ingress Protection: IP54
Insulation Class: Class F
Operating Temperature: -30°C to +60°C
Material: Coated Steel (Blades and Rotor)
Guard Type: Steel Wire Safety Grid
Weight: 3.5 kg
Certifications: CE, CCC, ISO9001
Life Expectancy: 30,000 Hours

The YWF4E-300S is specifically designed for critical cooling applications within the refrigeration and HVAC sectors. It is widely deployed in commercial cold storage units, evaporators, and condensing units where reliable heat dissipation is paramount. Additionally, the YWF4E-300S serves effectively in industrial ventilation systems, heat pumps, and air chillers, ensuring optimal operating temperatures for sensitive machinery. Its robust construction makes it suitable for outdoor condensing units and workshop ventilation, providing consistent airflow to maintain system efficiency and prevent thermal overload in continuous-duty cycles.

Supplemental Images

