

QR08A-2EM.50.CH ZIEHL-ABEGG 230VAC AC Cross-flow Fan

SKU: QK08A-2EM.50.CH

Price: \$2,657.01

Categories: Fans

Tags: Ziehl-Abegg

Product Link:

<https://www.electspares.com/product/qr08a-2em-50-ch-ziehl-abegg-230vac-ac-cross-flow-fan/>

Product Description

The ZIEHL-ABEGG QR08A-2EM.50.CH is a high-capacity 230VAC Industrial AC Cross-flow Fan with an impeller length of 500 mm and a total length of 537 mm, specifically engineered for uniform tangential air delivery in mission-critical industrial frequency converters and high-end air curtain systems. Driven by a high-torque external rotor motor with integrated thermal protection and THCL130 (Class B) insulation, this unit features a precise Max. Power Consumption of 0.24 kW and a Max. Current Draw of 1.05 A at 230 V AC (50 Hz). Operating at a high rated speed of 2300 RPM, it delivers a powerful, non-turbulent laminar airflow characterized by an efficiency grade of N=28.4 to ensure optimal heat extraction in high-impedance environments. Constructed with a heavy-duty galvanized sheet steel impeller and a rugged die-cast aluminum motor housing featuring precision dual ball bearings, this 5.0 kg German-made unit ensures maximum mechanical stability and long-term performance for integrated industrial applications at the end.

QR08A-2EM.50.CH Fan Parameters

Model Number: QR08A-2EM.50.CH

Manufacturer: ZIEHL-ABEGG (Made in Germany)

Type: AC Cross-flow Fan (Tangential Fan)

Dimensions: 537.0 x 135.0 x 130.0 mm

Impeller Length: 500.0 mm

Weight: 5.0 kg

Bearing Type: Ball bearing

Nominal Voltage: 230VAC

Voltage Range: 207 - 253 VAC (+10%)

Phase: 1~

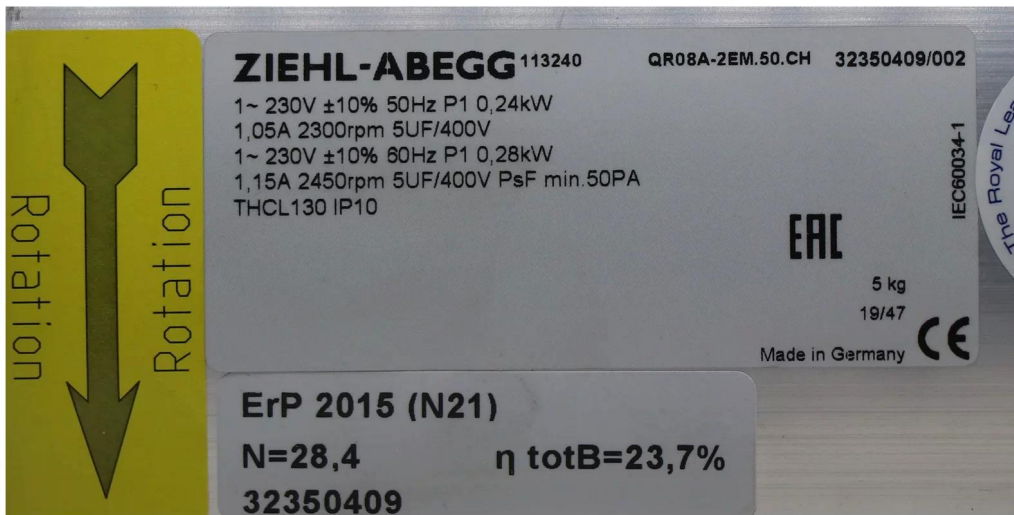
Frequency: 50/60 Hz
Required Capacitor: 5.0 μ F / 400 VDB
Max. Power Consumption (P1): 0.24 kW (at 50 Hz) / 0.28 kW (at 60 Hz)
Max. Current Draw: 1.05 A (at 50 Hz) / 1.15 A (at 60 Hz)
Rated Speed: 2300 RPM (at 50 Hz) / 2450 RPM (at 60 Hz)
Max. Air Flow: 535.6 CFM (910.0 m³/h / 15.17 m³/min)
Max. Static Pressure: 20.4 mmH₂O (200.0 Pa / 0.80 inH₂O)
Working Air Flow: 910.0 m³/h
Static Pressure Increase: 200.0 Pa
Minimum Static Pressure (PsF min): 50.0 Pa
Efficiency Grade (N): 28.4
Overall Efficiency (η totB): 23.7%
Motor Type: External rotor motor
Motor Protection: Integrated thermal protection
Insulation Class: THCL130 (Class B)
Degree of Protection: IP10
Electrical Hookup: Lead wires (4-core cable)
Number of Blades: Multi-blade (Tangential structure)
Direction of Rotation: Clockwise (viewed toward motor)
Impeller Material: Sheet steel, galvanized
Housing Material: Sheet steel / Die-cast aluminum
Operation Mode: S1 (Continuous operation)
Sound Pressure Level: 58.0 dB(A)
Service Life (L10): 40,000 h (at 40 °C)
Operating Temperature: -20 - +60 °C
Storage Temperature: -40 - +80 °C (at 65% RH)
Standard Compliance: ErP 2015; EN 60335-1; CE
Approval Agency: VDE; UL; CCC; ERL

Application

The ZIEHL-ABEGG QR08A-2EM.50.CH cross-flow fan is the primary cooling component for high-power Siemens and ABB frequency converters, professional drying tunnels, and industrial air curtains requiring high-velocity, non-turbulent airflow.

Product Images





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