

FB056-6EK.4I.V4P ZIEHL-ABEGG 230V 560mm AC Axial Fan

SKU: FB056-6EK.4I.V4P

Price: \$479.69

Categories: Fans

Tags: Ziehl-Abegg

Product Link:

<https://www.electspares.com/product/fb056-6ek-4i-v4p-ziehl-abegg-230v-560mm-ac-axial-fan/>

Product Description

The ZIEHL-ABEGG FB056-6EK.4I.V4P is a high-performance 230VAC single-phase AC Axial Fan featuring 560 mm specialized aerodynamic sickle-shaped aluminum sheet blades and a high-torque 6-pole external rotor motor, specifically engineered for mission-critical cooling in Industrial Frequency Converters and specialized AHU systems. Driven by a precision-balanced motor with maintenance-free ball bearings and moisture/hot climate protection, this 12.20 kg unit operates at 230 VAC / 50 Hz using a permanent split capacitor connection, delivering a Max. Power Consumption of 0.37 kW and a Max. Current Draw of 1.70 A at a rated speed of 900 RPM. This High-performance unit features a 4-blade aluminum impeller achieving a Max. Air Flow of 8100.0 m³/h (4767.5 CFM / 135.00 m³/min) and a Max. Static Pressure of 7.14 mmH₂O (70.0 Pa / 0.28 inAq). Featuring a "Made in Germany" robust construction with integrated thermal contacts (TB) for motor protection and high-grade L-TI-0596 powder coating (RAL 9005), this IP54-rated fan is optimized for environments requiring high reliability and quiet operation in industrial VFD systems at the end.

FB056-6EK.4I.V4P Fan Parameters

Model Number: FB056-6EK.4I.V4P

Manufacturer: ZIEHL-ABEGG

Type: Axial fan with sheet blades

Impeller Size: 560 mm

Weight: 12.20 kg

Origin: Made in Germany

Bearing Type: Ball bearing (Long-time lubrication)

Phase: 1~

Nominal Voltage: 230 VAC

Voltage Range: 207 - 253 VAC

Connection Type: Capacitor (1360-104XA)

Frequency: 50 Hz

Capacitance: 8.0 μ F / 400 V

Max. Current Draw: 1.70 A

Max. Power Consumption: 0.37 kW

Rated Speed: 900 RPM

Power Factor (cos ϕ): 0.95

Max. Air Flow: 4767.5 CFM (8100.0 m³/h / 135.00 m³/min)

Max. Static Pressure: 7.14 mmH₂O (70.0 Pa / 0.28 inAq)

Working Air Flow: 8100.0 m³/h

Static Pressure Increase: 70.0 Pa

Motor Protection: Thermal contact (TB) integrated

Insulation Class: Thermal class 155 (Class F / THCL 155)

Degree of Protection: IP54

Number of Blades: 4

Direction of Rotation: Clockwise (viewed toward rotor)

Impeller Material: Aluminium

Rotor Material: Aluminium

Ambient Temperature (Max.): 65 °C

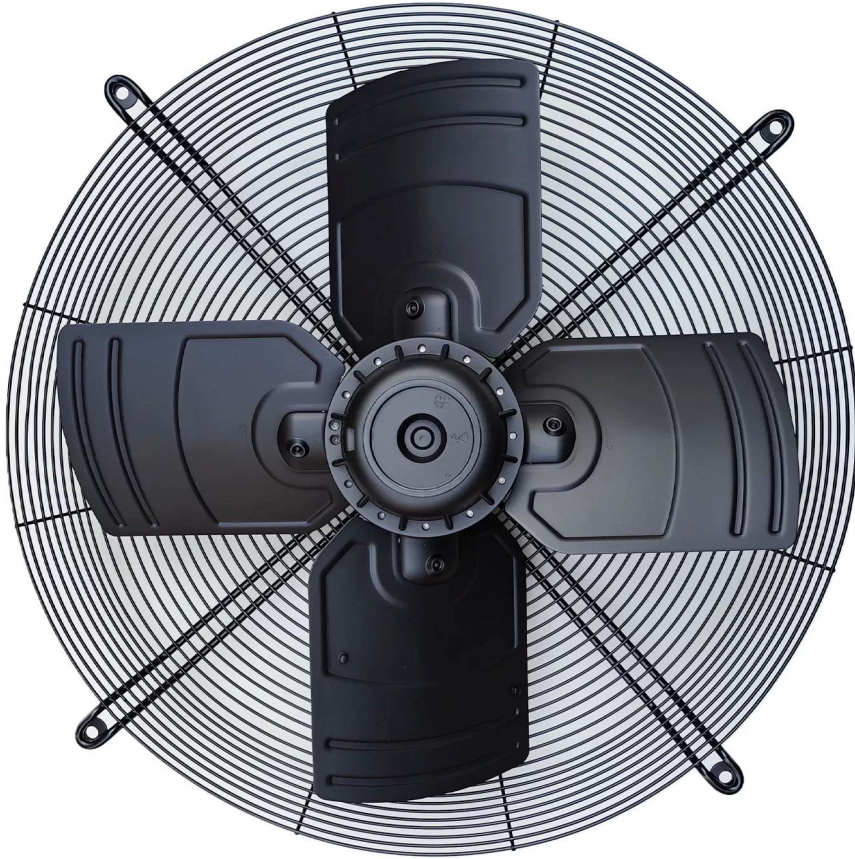
Min. Operating Temperature: -25 °C

Standard Compliance: ErP 2013 (η statA: 28.7%); CE

Application

The ZIEHL-ABEGG FB056-6EK.4I.V4P axial fan is the primary cooling component for industrial frequency converters, cabinet ventilation units, and heat exchangers requiring low-noise airflow and reliable performance in 230V single-phase environments.

Product Images





Scan for product details:

