

FN080-SDA.6N.V7P5 ZIEHL-ABEGG 400V 800mm AC Axial Fan

SKU: FN080-SDA.6N.V7P5

Price: \$875.24

Categories: Fans

Tags: Ziehl-Abegg

Product Link:

<https://www.electspares.com/product/fn080-sda-6n-v7p5-ziehl-abegg-400v-800mm-ac-axial-fan/>

Product Description

The ZIEHL-ABEGG FN080-SDA.6N.V7P5 is a high-performance 400VAC three-phase AC Axial Fan featuring 800 mm specialized aerodynamic sickle-shaped aluminum blades and a high-torque 6-pole external rotor motor, specifically engineered for mission-critical cooling in Industrial Frequency Converters and large-scale AHU systems. Driven by a precision-balanced motor with maintenance-free ball bearings and moisture/hot climate protection, this 26.90 kg unit operates at 400 VAC / 50 Hz using a Delta/Star (D/Y) connection to provide dual-speed flexibility, delivering a Max. Power Consumption of 1.90 / 1.10 kW and a Max. Current Draw of 3.90 / 2.00 A at a rated speed of 870 / 630 RPM. This High-performance unit features a 7-blade aerodynamic aluminum impeller achieving a Max. Air Flow of 15170.0 / 12100.0 m³/h (8928.7 / 7121.7 CFM / 252.83 / 201.67 m³/min) and a Max. Static Pressure of 15.30 / 8.16 mmH₂O (150.0 / 80.0 Pa / 0.60 / 0.32 inAq). Featuring a "Made in Germany" robust construction with integrated thermal contacts (TB) for motor protection and moisture/hot climate impregnation, this IP54-rated fan is optimized for environments requiring high reliability and industrial-grade airflow in VFD systems at the end.

FN080-SDA.6N.V7P5 Fan Parameters

Model Number: FN080-SDA.6N.V7P5

Manufacturer: ZIEHL-ABEGG

Article Number: 168784

Type: Axial fan with sickle blades

Impeller Size: 800 mm

Weight: 26.90 kg

Origin: Made in Germany

Bearing Type: Ball bearing (Long-time lubrication)

Phase: 3~

Nominal Voltage: 400 VAC

Voltage Range: 360 - 440 VAC

Connection Type: Delta / Star (D/Y)

Frequency: 50 Hz

Max. Current Draw: 3.90 / 2.00 A

Max. Power Consumption: 1.90 / 1.10 kW

Rated Speed: 870 / 630 RPM

Power Factor (cos ϕ): 0.70

Max. Air Flow: 8928.7 / 7121.7 CFM (15170.0 / 12100.0 m³/h / 252.83 / 201.67 m³/min)

Max. Static Pressure: 15.30 / 8.16 mmH₂O (150.0 / 80.0 Pa / 0.60 / 0.32 inAq)

Working Air Flow: 15170.0 / 12100.0 m³/h

Static Pressure Increase: 150.0 / 80.0 Pa

Motor Protection: Thermal contact (TB) integrated

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

Degree of Protection: IP54

Number of Blades: 7

Direction of Rotation: Clockwise (viewed toward rotor)

Impeller Material: Aluminium

Rotor Material: Aluminium

Ambient Temperature (Max.): 60 °C

Min. Operating Temperature: -40 °C

Standard Compliance: ErP 2015 (η_{statA} : 36.3%); CE

Application

The ZIEHL-ABEGG FN080-SDA.6N.V7P5 axial fan is the primary cooling component for industrial frequency converters, large condensers, and ventilation modules requiring dual-speed airflow and high reliability in 400V three-phase environments.

Product Images





Scan for product details:

