

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

SKU: FN080-SDS.6N.V7P5

Price: \$832.81

Categories: Fans

Tags: Ziehl-Abegg

Product Link:

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

Product Description

The ZIEHL-ABEGG FN080-SDS.6N.V7P5 is a high-performance 400VAC three-phase AC Axial Fan featuring 800 mm 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, this 34.00 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 / 830 RPM. This High-performance unit features a specialized aerodynamic 7-blade aluminum impeller achieving a Max. Air Flow of 16200.0 / 14800.0 m³/h (9534.7 / 8710.6 CFM / 270.00 / 246.67 m³/min) and a Max. Static Pressure of 15.30 / 12.24 mmH₂O (150.0 / 120.0 Pa / 0.60 / 0.48 inAq). Featuring a "Made in Germany" robust construction with integrated thermal contacts (TB) for motor protection, this IP54-rated fan is optimized for environments requiring large-volume airflow and high reliability in industrial VFD systems at the end.

FN080-SDS.6N.V7P5 Fan Parameters

Model Number: FN080-SDS.6N.V7P5

Manufacturer: ZIEHL-ABEGG

Type: AC Axial Fan (Sickle blades)

Impeller Size: 800 mm

Weight: 34.00 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 / 830 RPM

Starting Current Ratio (IA/IN): 3.2 / 1.1

Max. Air Flow: 9534.7 / 8710.6 CFM (16200.0 / 14800.0 m³/h / 270.00 / 246.67 m³/min)

Max. Static Pressure: 15.30 / 12.24 mmH₂O (150.0 / 120.0 Pa / 0.60 / 0.48 inAq)

Working Air Flow: 16200.0 / 14800.0 m³/h

Static Pressure Increase: 150.0 / 120.0 Pa

Motor Protection: Thermal contact (TB) integrated (250V / 2.5A)

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

Ambient Temperature (Max.): 60 °C

Min. Operating Temperature: -40 °C

Balancing Quality: G6.3

Electrical Hookup: Terminal box (Integrated)

Standard Compliance: ErP 2015; CE; UL; EAC

Application

The ZIEHL-ABEGG FN080-SDS.6N.V7P5 axial fan is the primary cooling component for industrial frequency converters, large condensers, and heat exchangers requiring quiet, high-volume airflow and dual-speed operation in 400V three-phase environments.

Product Images





Scan for product details:

