

FN080-SDS.6N.V7P5 Ziehl-Abegg 400VAC 800mm Axial Fan Datasheet



Brand: Ziehl-Abegg

SKU: [895847069899](#)

Category: Axial & Centrifugal Fans

Price: **\$1,200.99**

E-mail: sales@equipspares.com

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Product Page:

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

Product Description

The Ziehl-Abegg FN080-SDS.6N.V7P5 is a high-efficiency AC axial fan engineered for demanding industrial ventilation and HVAC applications. Featuring an advanced external rotor motor integrated with a 7-blade sickle-shaped impeller, this unit optimizes aerodynamic performance while minimizing acoustic noise generation through bionic design principles. The robust construction ensures structural rigidity and superior thermal impedance management, making it ideal for continuous operation in harsh environments. Its optimized blade geometry reduces turbulence, enhancing airflow delivery and static pressure capabilities. This German-manufactured component represents the pinnacle of air movement technology, offering reliable thermal regulation for critical infrastructure.

Model Number: FN080-SDS.6N.V7P5

Brand: Ziehl-Abegg

Product Type: AC Axial Fan

Rated Voltage: 400 VAC

Voltage Range: 380 - 480 VAC

Phase: 3-Phase

Frequency: 50 / 60 Hz

Motor Technology: AC External Rotor Motor

Impeller Diameter: 800mm

Number of Blades: 7
Blade Design: Sickle-shaped (Profiled)
Bearing Type: Ball Bearing
Rated Speed: 880 - 920 RPM
Power Input: 1.8 kW
Current Draw: 3.5 A
Max. Air Flow: 14125 CFM (24000 m³/h / 400 m³/min)
Max. Static Pressure: 18.35 mmH₂O (180 Pa / 0.72 inH₂O)
Ingress Protection: IP54
Insulation Class: THCL 155
Operating Temperature: -40°C to +70°C
Material: Die-cast Aluminum Rotor, Coated Steel Blades
Mounting Orientation: Any
Guard Grille: Optional
Thermal Protection: Thermal Overload Protector (TOP)
Compliance: CE, ErP
Origin: Germany
Condition: New, Unused

The FN080-SDS.6N.V7P5 is extensively utilized in large-scale climate control systems, specifically within condenser units, cooling towers, and industrial heat exchangers where high-volume air movement is critical. Facility managers rely on the FN080-SDS.6N.V7P5 for agricultural ventilation, transformer cooling, and refrigeration plants due to its durability and efficiency. Additionally, this model serves as a core component in commercial HVAC rooftop units and process cooling applications requiring consistent thermal dissipation.

Supplemental Images

