

# FN071-SDK.6F.V7P1 ZIEHL-ABEGG 400V 710mm AC Axial Fan

**SKU:** FN071-SDK.6F.V7P1

**Price:** \$784.25

**Categories:** Fans

**Tags:** Ziehl-Abegg

**Product Link:**

<https://www.electspares.com/product/fn071-sdk-6f-v7p1-ziehl-abegg-400v-710mm-ac-axial-fan/>

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## Product Description

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The ZIEHL-ABEGG FN071-SDK.6F.V7P1 is a specialized 400 V 3-Phase Industrial Axial Fan with a 710 mm blade diameter, engineered to comply with the JB/T 6411 standard for high-reliability ventilation. Driven by a high-efficiency MK137-8DK.10.L 8-pole external rotor asynchronous motor with THCL 155 (Class F) insulation and IP54 protection, this unit is optimized for 60 Hz operation. It features a dual-speed Delta/Star ( $\Delta$ /Y) configuration, delivering a precise Power Consumption of 940 W at 900 RPM (Delta) and 620 W at 690 RPM (Star), while maintaining a static pressure of up to 161 Pa. Constructed with premium sickle-shaped aluminum blades and a 26.00 kg heavy-duty frame with moisture and hot climate protection, this German-engineered unit ensures exceptional acoustic performance, ranging from 69 to 78 dB, and long-term mechanical stability for mission-critical industrial applications at the end.

FN071-SDK.6F.V7P1 Fan Parameters

Model Number: FN071-SDK.6F.V7P1

Manufacturer: ZIEHL-ABEGG (Made in Germany)

Motor Model: MK137-8DK.10.L (3-Phase Asynchronous)

Standard Compliance: JB/T 6411

Type: 3-Phase AC Axial Fan (Sickle blades)

Blade Diameter: 710.0 mm

Weight: 26.00 kg

Nominal Voltage: 3~ 400 VAC ( $\Delta$  / Y)

Phase: 3~

Frequency: 60 Hz

Rated Performance (Delta  $\Delta$ ): 940 W | 1.70 A | 900 RPM | 78 dB | 6000 m<sup>3</sup>/h

Rated Performance (Star Y): 620 W | 1.05 A | 690 RPM | 69 dB | 4000 m<sup>3</sup>/h

Max. Air Flow: 3531.5 CFM (6000.0 m<sup>3</sup>/h)

Max. Static Pressure: 16.42 mmH<sub>2</sub>O (161.0 Pa / 0.65 inH<sub>2</sub>O)

Working Air Flow: 6000.0 m<sup>3</sup>/h

Static Pressure Increase: 161.0 Pa (Delta) / 87.0 Pa (Star)

Efficiency Grade (ErP): Nactual = 44.9 (Ntarget = 40 / ErP 2015 compliant)

Efficiency nstatA: 38.1 %

Electrical Connection: Terminal box K62-40 (Mounted on Stator)

Connection Diagram: 1360-108XA

Motor Protection: Thermal contact (Integrated)

Type of Protection: IP54

Thermal Class: THCL 155 (Class F)

Impregnation: Moisture and hot climate protection

Material Blades: Aluminium (Unpainted)

Material Rotor: Aluminium (Unpainted)

Guard Grille Type: Ring grille

Motor Suspension: Powder-coated RAL 9005 (Jet black)

Hardware: All connecting elements in stainless steel

Fitting Position: H / Vu / Vo

Min. Operating Temperature: -40 °C

Max. Ambient Temperature: 70 °C

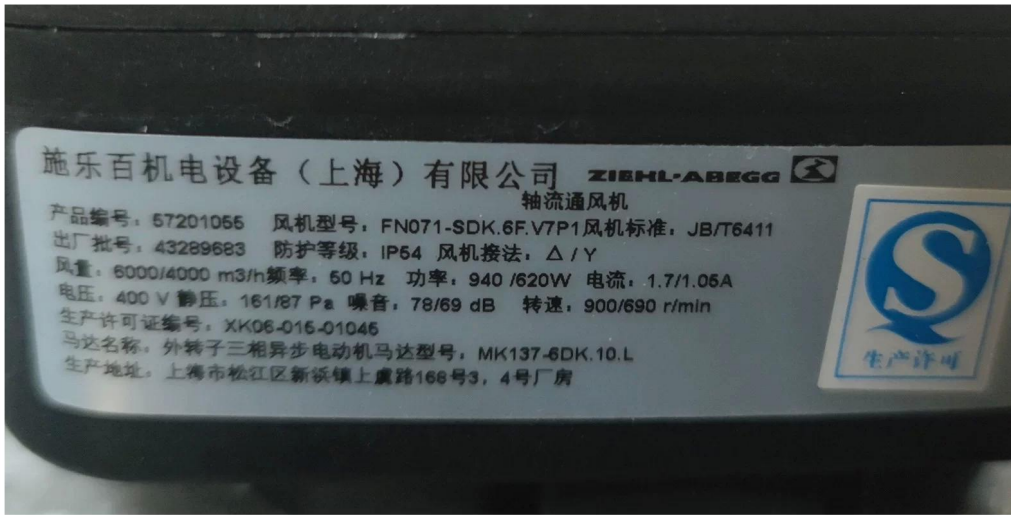
#### Application

The ZIEHL-ABEGG FN071-SDK.6F.V7P1 axial fan is the primary cooling component for heavy-duty refrigeration condensers and industrial HVAC systems operating on 60 Hz power grids, requiring precise dual-speed control and high resistance to hot and humid climates.

## Product Images

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Scan for product details:

