

# FN045-4EK.2F.V7P2 ZIEHL-ABEGG 230V AC Axial Fan 450mm

**SKU:** FN045-4EK.2F.V7P2

**Price:** \$266.96

**Categories:** Fans

**Tags:** Ziehl-Abegg

**Product Link:**

<https://www.electspares.com/product/fn045-4ek-2f-v7p2-ziehl-abegg-230v-ac-axial-fan-450mm/>

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## Product Description

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The ZIEHL-ABEGG FN045-4EK.2F.V7P2 is a High-Performance AC Axial Fan with Sickle Blades and a fan diameter of 450 mm. It operates on 1~230 V $\pm$ 10% at 50 Hz, consuming 390 W Input Power with a Rated Current of 1.75 A. The fan achieves a Rated Speed of 1,290 RPM and delivers an Airflow of 5,700 m<sup>3</sup>/h (3,354.5 CFM) at free air delivery. It generates a Max Static Pressure of 100 Pa (0.40 inAq) and has an IP54 protection rating with a Thermal Class THCL155. This unit is designed for condenser cooling and HVAC systems where high airflow and robust environmental protection are critical.

FN045-4EK.2F.V7P2 Fan Parameters

Model: FN045-4EK.2F.V7P2

Manufacturer: ZIEHL-ABEGG

Type: AC Axial Fan (Sickle Blade)

Fan Diameter: 450 mm

Bearing Type: Ball Bearing (with long-time lubrication)

Airflow Direction: Suction

Nominal Voltage: 230 VAC

Frequency: 50 Hz

Phase: 1~

Rated Current: 1.75 A

Starting Current (I): 3.60 A

Current Increase ( $\Delta$ I): 10 %

Rated Input: 390 W

Rated Speed: 1,290 RPM

Airflow (Max. Free Air): 5,700 m<sup>3</sup>/h (3,354.5 CFM)

Max. Static Pressure (PsF max.): 100 Pa (0.40 inAq)  
Sound Power Level (LWA5): 72.0 dB/A  
Thermal Class: THCL155  
Max. Ambient Temperature: 55 °C  
Min. Operating Temperature: -25 °C  
Mass: 6.60 kg  
Degree of Protection: IP54  
Motor Protection: Thermal Contact (Internally Wired)  
Capacitor: 7.0 µF/400 V  
Connection: Terminal Box K05  
Number of Blades: 7  
Blade Material: High Performance Composite Material

#### Application

The FN045-4EK.2F.V7P2 is an industrial Axial Fan with high volume air moving capability, designed to provide efficient cooling for high-power systems. Typical applications include air conditioning and ventilation systems, commercial refrigeration condenser units, and industrial heat exchangers where high airflow and environmental resistance are necessary.

## **Product Images**

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