

# FB045-4EK.4F.V4P Ziehl-Abegg 230VAC 450mm Axial Fan Datasheet



**Brand:** Ziehl-Abegg

**SKU:** [853724255539](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$714.99**

---

**E-mail:** [sales@equipspares.com](mailto:sales@equipspares.com)

**Web:** <https://www.equipspares.com>

---

Product Page:

<https://www.equipspares.com/product/fb045-4ek-4f-v4p-ziehl-abegg-230vac-450mm-axial-fan>

---

## Product Description

---

The Ziehl-Abegg FB045-4EK.4F.V4P is a high-efficiency industrial axial fan designed for critical thermal management and ventilation tasks. Utilizing a robust AC external rotor motor, this unit features aerodynamically optimized sheet aluminium blades that ensure superior airflow delivery with reduced acoustic signatures. The fan's construction prioritizes structural rigidity and thermal stability, incorporating advanced insulation materials to withstand rigorous operating conditions. Engineered for longevity, the motor design minimizes thermal impedance and vibration, making it an ideal solution for continuous duty cycles in harsh environments. This model exemplifies precision engineering, balancing power consumption with maximum volumetric output.

Model Number: FB045-4EK.4F.V4P

Brand: Ziehl-Abegg

Product Type: Axial Fan

Motor Technology: AC External Rotor

Rated Voltage: 230 VAC

Frequency: 50 / 60 Hz

Phase: 1~

Blade Diameter: 450 mm

Rated Current: 1.15 A

Power Input: 250 W

Rated Speed: 1360 RPM

Max. Air Flow: 3296 CFM (5600 m<sup>3</sup>/h)

Max. Static Pressure: 0.48 inH<sub>2</sub>O (120 Pa)

Capacitor: 6 µF / 400 VDB

Bearing Type: Ball Bearing

Ingress Protection: IP54

Insulation Class: THCL 155

Blade Material: Sheet Aluminium (Pressed)

Guard Grille: Coated Steel

Operating Temperature: -40°C to +65°C

Mounting Orientation: Any

Weight: 6.8 kg

Motor Protection: Thermal Overload Protector (TOP)

Certifications: CE, UL, CCC

Life Expectancy: >40,000 Hours @ 40°C

The FB045-4EK.4F.V4P is widely utilized in commercial refrigeration condensers, evaporators, and large-scale HVAC systems requiring dependable air movement. Additionally, the FB045-4EK.4F.V4P serves effectively in agricultural ventilation setups, transformer cooling arrays, and industrial heat exchangers where consistent performance is mandatory for equipment safety.

## Supplemental Images

---

