

# FN080-ZIQ.GL.V7P3 ZIEHL-ABEGG 380-480VAC EC Axial Fan

**SKU:** FN080-ZIQ.GL.V7P3

**Price:** \$2,140.43

**Categories:** Fans

**Tags:** Ziehl-Abegg

**Product Link:**

<https://www.electspares.com/product/fn080-ziq-gl-v7p3-ziehl-abegg-380-480vac-ec-axial-fan/>

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## Product Description

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The ZIEHL-ABEGG FN080-ZIQ.GL.V7P3 is a high-performance 380-480VAC three-phase EC Axial Fan featuring 800 mm sickle-shaped aluminum blades and an IE5 efficiency class motor, specifically engineered for mission-critical cooling in Industrial Frequency Converters and large-scale AHU systems. Driven by an intelligent EC external rotor motor with integrated active temperature management and a BASIC-MODBUS controller, this 51.40 kg unit operates within a 380 - 480 VAC range across 50/60 Hz frequencies, delivering a Max. Power Consumption of 3.10 kW and a Max. Current Draw of 4.80 - 3.80 A at a rated speed of 1100 RPM. This High-performance unit features specialized aerodynamic aluminum blades achieves a Max. Air Flow of 18411.0 m<sup>3</sup>/h (10836.4 CFM / 306.85 m<sup>3</sup>/min) and a Max. Static Pressure of 25.49 mmH<sub>2</sub>O (250.0 Pa / 1.00 inAq) at its optimal efficiency point. Featuring a robust RAL 9005 jet black powder-coated bell mouth and RAL 5002 ultramarine blue rotor, this IP55-rated fan incorporates moisture protection and integrated electronic overload protection, optimized for extreme reliability in industrial VFD systems and hot climate environments at the end.

FN080-ZIQ.GL.V7P3 Fan Parameters

Model Number: FN080-ZIQ.GL.V7P3

Manufacturer: ZIEHL-ABEGG

Article Number: 180794

Type: EC Axial Fan (With sickle blades)

Impeller Size: 800 mm

Weight: 51.40 kg

Origin: Made in Germany

Bearing Type: Ball bearing (Long-time lubrication)

Nominal Voltage: 380 - 480 VAC (3~)

Voltage Range: 380 - 480 VAC (+10% / -15%)

Frequency: 50 / 60 Hz

Max. Current Draw: 4.80 - 3.80 A

Max. Power Consumption: 3.10 kW

Rated Speed: 1100 RPM

Efficiency Class: IE5

Control Interface: BASIC-MODBUS (Integrated controller)

Max. Air Flow: 10836.4 CFM (18411.0 m<sup>3</sup>/h / 306.85 m<sup>3</sup>/min)

Max. Static Pressure: 25.49 mmH<sub>2</sub>O (250.0 Pa / 1.00 inAq)

Working Air Flow: 18411.0 m<sup>3</sup>/h

Static Pressure Increase: 250.0 Pa

Motor Protection: Integrated active temperature management

Insulation Class: Thermal class 155 (Class F / THCL 155)

Degree of Protection: IP55

Impeller Material: Aluminium

Rotor Material: Aluminium (RAL 5002 Ultramarine blue)

Housing Material: Bell mouth powder-coated (RAL 9005 Jet black)

Number of Blades: 7 (Sickle-shaped)

Ambient Temperature (Max.): 65 °C

Min. Operating Temperature: -35 °C

Standard Compliance: ErP 2015 ( $\eta_{statA}$ : 48.2%); CE; UL/CSA (E213826)

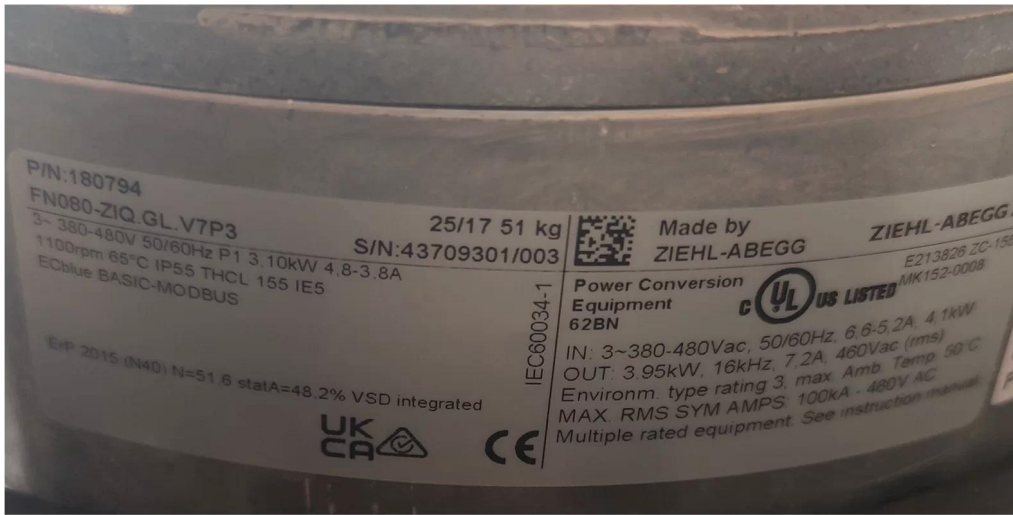
#### Application

The ZIEHL-ABEGG FN080-ZIQ.GL.V7P3 axial fan is the primary cooling component for high-capacity industrial frequency converters, large condenser units, and specialized AHU systems requiring high-efficiency airflow and MODBUS intelligent control in 380V-480V environments.

## Product Images

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Scan for product details:

