

FN091-ZKQ.GG.V5P1 Ziehl-Abegg 380-480VAC 910mm ECblue Axial Fan Datasheet



Brand: Ziehl-Abegg

SKU: 807279401475

Category: Axial & Centrifugal Fans

Price: **\$579.99**

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Product Page:

<https://www.equipspares.com/product/fn091-zkq-gg-v5p1-ziehl-abegg-380-480vac-910mm-ecblue-axial-fan>

Product Description

The Ziehl-Abegg FN091-ZKQ.GG.V5P1 is a premium industrial axial fan engineered for high-demand HVAC and refrigeration systems. Utilizing advanced ECblue motor technology, this unit delivers superior energy efficiency and precise speed control via MODBUS or 0-10V signals. The aerodynamic profile features the signature FE2owlet blade design, which significantly reduces noise generation while optimizing airflow and static pressure capabilities. Constructed with robust materials to withstand harsh environments, the fan ensures low thermal impedance and exceptional structural rigidity. Its integrated electronics provide comprehensive protection, making it a reliable solution for critical cooling infrastructure requiring consistent performance and longevity.

Model Number: FN091-ZKQ.GG.V5P1

Brand: Ziehl-Abegg

Product Type: Axial Fan

Motor Technology: ECblue (Electronically Commutated)

Blade Design: FE2owlet (Sickle-shaped)

Rated Voltage: 400 VAC

Voltage Range: 380 - 480 VAC

Frequency: 50/60 Hz

Phase: 3-Phase
Blade Diameter: 910 mm
Airflow Direction: V (Suction over stator)
Rated Speed: 1200 RPM
Power Input: 3.1 kW
Current Draw: 4.8 A
Max. Air Flow: 16480 CFM (28000 m³/h)
Max. Static Pressure: 0.88 inH₂O (220 Pa)
IP Rating: IP55
Insulation Class: F
Permissible Ambient Temperature: -35°C to +70°C
Control Interface: 0-10V, PWM, MODBUS-RTU
Bearing Type: Maintenance-free Ball Bearings
Blade Material: Aluminum, coated
Guard Grille: Ring grille, plastic coated black
Weight: 42.5 kg
Certifications: UL, CE, ErP 2015
Protection: Over-temperature, Phase failure, Locked rotor
Life Expectancy: L10 > 40,000 hours

Designed for large-scale industrial applications, the FN091-ZKQ.GG.V5P1 excels in condenser units, blast freezers, and complex ventilation systems. Facility managers rely on the FN091-ZKQ.GG.V5P1 for cooling towers and heat exchangers where energy efficiency and acoustic performance are paramount. Its robust design also suits agricultural ventilation and data center cooling arrays.

Supplemental Images

