

# RG28P-4DK.6F.1R ZIEHL-ABEGG 230/400V AC Centrifugal Blower

**SKU:** RG28P-4DK.6F.1R

**Price:** \$2,375.56

**Categories:** Fans

**Tags:** Ziehl-Abegg

**Product Link:**

<https://www.electspares.com/product/rg28p-4dk-6f-1r-ziehl-abegg-230-400v-ac-centrifugal-blower/>

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## Product Description

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The ZIEHL-ABEGG RG28P-4DK.6F.1R is a high-performance 230/400/460VAC three-phase AC Centrifugal Blower with a 280 mm impeller integrated into a heavy-duty scroll housing, specifically engineered for mission-critical cooling in Industrial Frequency Converters and specialized AHU systems. Driven by a high-torque external rotor motor with precision ball bearings, this 26.0 kg unit operates within a 230 - 460 VAC range across 50/60 Hz frequencies using a Delta/Star (D/Y) connection, delivering a Max. Power Consumption of 1.50 / 1.65 / 1.85 kW and a Max. Current Draw of 4.4/2.6 / 4.7/2.7 / 4.7/2.7 A at a rated speed of 1310 / 1530 / 1600 RPM. This High-performance unit features a specialized aerodynamic impeller within a galvanized steel housing achieving a Max. Air Flow of 3850.0 / 4280.0 m<sup>3</sup>/h (2266.0 / 2519.1 CFM / 64.17 / 71.33 m<sup>3</sup>/min) and a Max. Static Pressure of 122.37 / 152.96 mmH<sub>2</sub>O (1200.0 / 1500.0 Pa / 4.82 / 6.02 inAq). Featuring a robust construction with integrated thermal contacts (TB) for motor protection and a critical Min. Static Pressure requirement (PsF min. 370 Pa) at 60 Hz, this IP54-rated blower is optimized for environments requiring extreme high-pressure stability and long-term reliability in industrial VFD systems at the end.

RG28P-4DK.6F.1R Fan Parameters

Model Number: RG28P-4DK.6F.1R

Manufacturer: ZIEHL-ABEGG

Type: AC Centrifugal Blower (With scroll housing)

Impeller Size: 280 mm

Weight: 26.0 kg

Bearing Type: Ball bearing

Nominal Voltage: 230 / 400 / 460 VAC (3~)

Voltage Range: 230 - 460 VAC (±10%)

Connection Type: Delta / Star (D/Y)

Frequency: 50 / 60 / 60 Hz

Max. Current Draw: 4.4/2.6 / 4.7/2.7 / 4.7/2.7 A

Max. Power Consumption: 1.50 / 1.65 / 1.85 kW

Rated Speed: 1310 / 1530 / 1600 RPM

Power Factor (cos  $\phi$ ): 0.83 / 0.88 / 0.86

Max. Air Flow: 2266.0 / 2519.1 CFM (3850.0 / 4280.0 m<sup>3</sup>/h / 64.17 / 71.33 m<sup>3</sup>/min)

Max. Static Pressure: 122.37 / 152.96 mmH<sub>2</sub>O (1200.0 / 1500.0 Pa / 4.82 / 6.02 inAq)

Working Air Flow: 3850.0 / 4280.0 m<sup>3</sup>/h

Static Pressure Increase: 1200.0 / 1500.0 Pa

Min. Static Pressure (PsF min.): 30.0 / 370.0 / 370.0 Pa

Motor Protection: Thermal contact (TB) integrated

Insulation Class: Thermal class 155 (Class F)

Degree of Protection: IP54

Direction of Rotation: Clockwise (viewed toward rotor)

Impeller Material: Galvanized sheet steel

Housing Material: Galvanized sheet steel scroll

Ambient Temperature (Max.): 40 °C

Sound Pressure Level: 74.0 / 78.0 dB(A)

Standard Compliance: CE; UL; EAC

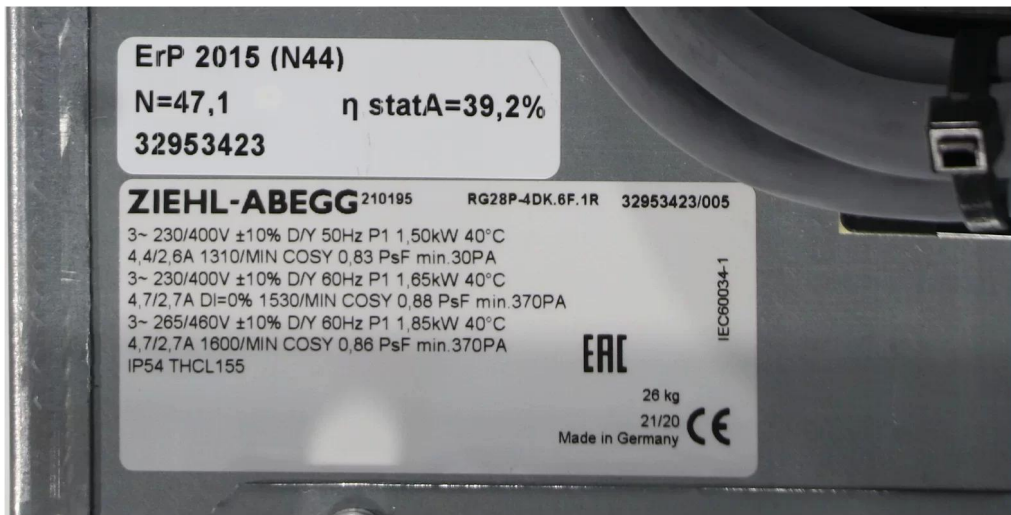
#### Application

The ZIEHL-ABEGG RG28P-4DK.6F.1R centrifugal blower is the primary cooling component for high-power industrial frequency converters, specialized AHU systems, and heavy-duty ventilation modules requiring extreme airflow and high-pressure stability in 230V-460V three-phase environments.

## Product Images

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Scan for product details:

