

RF22P-2DK.3F.5R ZIEHL-ABEGG 400/460V AC Centrifugal Fan

SKU: RF22P-2DK.3F.5R

Price: \$3,112.63

Categories: Fans

Tags: Ziehl-Abegg

Product Link:

<https://www.electspares.com/product/RF22P-2DK-3F-5R-ziehl-abegg-400-460v-ac-centrifugal-fan/>

Product Description

The ZIEHL-ABEGG RF22P-2DK.3F.5R is a high-performance 400/460VAC three-phase AC Centrifugal Fan with a 225 mm backward-curved aluminum impeller, specifically engineered for mission-critical cooling in Industrial Frequency Converters and specialized power electronics. Driven by a high-torque external rotor motor with precision ball bearings, this 5.2 kg unit operates within a 400 - 460 VAC range across 50/60 Hz frequencies using a Star (Y) connection, delivering a Max. Power Consumption of 0.49 / 0.61 / 0.76 kW and a Max. Current Draw of 0.80 / 1.10 / 1.10 A at a rated speed of 2320 / 2230 / 2550 RPM. This High-performance unit features a specialized aerodynamic 7-blade aluminum impeller achieving a Max. Air Flow of 1150.0 / 1380.0 m³/h (676.8 / 812.2 CFM / 19.17 / 23.00 m³/min) and a Max. Static Pressure of 122.37 / 163.15 mmH₂O (1200.0 / 1600.0 Pa / 4.82 / 6.42 inAq). Featuring a robust construction with integrated thermal contacts (TB) for motor protection and a critical Min. Static Pressure requirement (PsF min. 620 Pa) at 460VAC 60Hz, this IP54-rated fan is optimized for environments requiring extreme high-pressure stability and long-term reliability in industrial VFD systems at the end.

RF22P-2DK.3F.5R Fan Parameters

Model Number: RF22P-2DK.3F.5R

Manufacturer: ZIEHL-ABEGG

Article Number: 142603E

Production Code: U750115001

Type: AC Centrifugal Fan (Backward-curved)

Impeller Size: 225 mm

Weight: 5.2 kg

Origin: Made in Germany

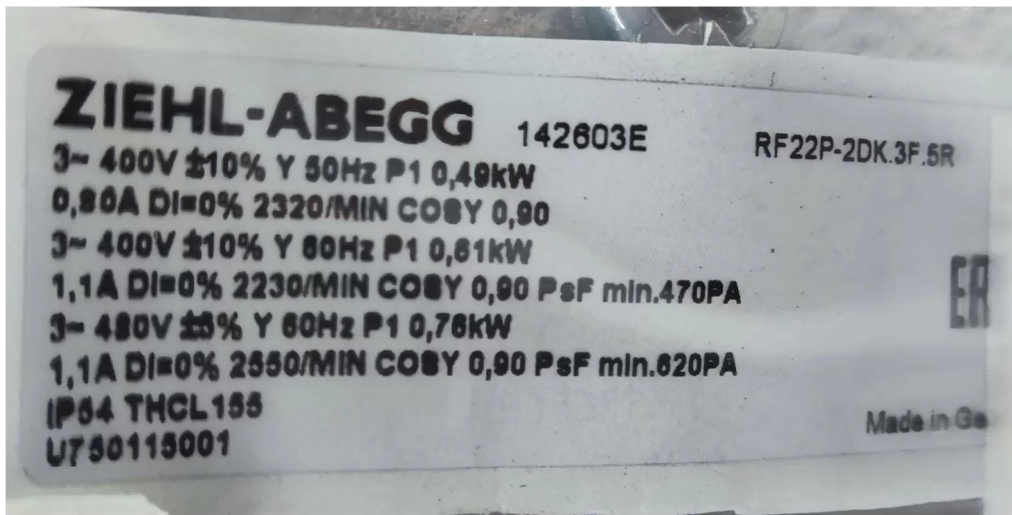
Bearing Type: Ball bearing
Nominal Voltage: 400 / 460 VAC (3~)
Voltage Range: 400 / 460 VAC ($\pm 10\%$)
Connection Type: Star (Y)
Frequency: 50 / 60 / 60 Hz
Max. Current Draw: 0.80 / 1.10 / 1.10 A
Max. Power Consumption: 0.49 / 0.61 / 0.76 kW
Rated Speed: 2320 / 2230 / 2550 RPM
Min. Static Pressure (PsF min.): 0.0 / 470.0 / 620.0 Pa
Max. Air Flow: 676.8 / 812.2 CFM (1150.0 / 1380.0 m³/h / 19.17 / 23.00 m³/min)
Max. Static Pressure: 122.37 / 163.15 mmH₂O (1200.0 / 1600.0 Pa / 4.82 / 6.42 inAq)
Working Air Flow: 1150.0 / 1380.0 m³/h
Static Pressure Increase: 1200.0 / 1600.0 Pa
Motor Protection: Thermal contact (TB) integrated
Insulation Class: Thermal class 155 (Class F / THCL 155)
Degree of Protection: IP54
Number of Blades: 7
Direction of Rotation: Clockwise (viewed toward rotor)
Impeller Material: Aluminium
Ambient Temperature (Max.): 40 °C
Min. Operating Temperature: -20 °C
Balancing Quality: G6.3
Standard Compliance: CE; UL; EAC

Application

The ZIEHL-ABEGG RF22P-2DK.3F.5R centrifugal fan is the primary cooling component for high-power industrial frequency converters, specialized AHU systems, and high-pressure ventilation modules requiring extreme airflow and pressure stability in 400V-460V three-phase environments.

Product Images





Scan for product details:

