

RE22P-2DK.3F.5R Ziehl-Abegg 400V AC Centrifugal Fan

SKU: RE22P-2DK.3F.5R

Price: \$1,389.67

Categories: Fans

Tags: Ziehl-Abegg

Product Link:

<https://www.electspares.com/product/re22p-2dk-3f-5r-ziehl-abegg-400v-ac-centrifugal-fan/>

Product Description

The Ziehl-Abegg RE22P-2DK.3F.5R is a high-performance AC backward-curved centrifugal fan featuring the advanced bionic Cpro composite impeller. Driven by a powerful 3-phase external rotor motor, this 225 mm unit is engineered for versatile industrial applications, supporting wide voltage and frequency ranges including 400V 50/60Hz and 480V 60Hz. With a robust 7 kg construction and IP54 protection, it is designed to deliver intense static pressure—up to 620 Pa at 480V—making it ideal for overcoming high system resistance in dense electronic enclosures and industrial ventilation. Its maintenance-free ball bearing system and high-temperature tolerance up to 70 °C ensure reliable S1 continuous operation in demanding thermal management environments.

RE22P-2DK.3F.5R Fan Parameters

Manufacturer: Ziehl-Abegg

Model Number: RE22P-2DK.3F.5R

Type: AC backward-curved centrifugal fan (Plug Fan)

Phase: 3~

Nominal Voltage: 400 V / 480 V

Nominal Voltage Range: 380 - 480 VAC

Frequency: 50/60 Hz

Impeller Size: 225 mm

Weight: 7 kg

[Electrical Data]

Input Power (400V 50Hz): 0.49 kW (490 W)

Input Power (400V 60Hz): 0.61 kW (610 W)

Input Power (480V 60Hz): 0.76 kW (760 W)

Nominal Speed (400V 50Hz): 2320 RPM

Nominal Speed (400V 60Hz): 2230 RPM

Nominal Speed (480V 60Hz): 2550 RPM

Current Draw (400V 50Hz): 0.80 A

Current Draw (400V 60Hz): 1.1 A

Current Draw (480V 60Hz): 1.1 A

Motor Protection: Thermal contact (TB)

Insulation Class: F (155 °C)

Termination: Terminal box (IP54)

[Performance & Acoustics]

Max. Air Flow: 62.23 CFM (105.7 m³/h / 1.76 m³/min)

Max. Static Pressure (400V 60Hz): 47.93 mmH₂O (470.0 Pa / 1.89 inH₂O)

Max. Static Pressure (480V 60Hz): 63.22 mmH₂O (620.0 Pa / 2.49 inH₂O)

Sound Power Level: 74 dB(A)

Number of Blades: 7 (Cpro profile)

Direction of Rotation: Clockwise (viewed toward rotor)

Airflow Direction: Radial discharge

[Materials & Construction]

Housing Material: None (Motorized impeller)

Impeller Material: High-performance composite material (Cpro Blue)

Motor Bearing: High-temperature maintenance-free ball bearings

Installation Position: Any

Degree of Protection: IP54

[Reliability & Safety Standards]

Min. Ambient Temperature: -20 °C

Max. Ambient Temperature: 70 °C

Operation Mode: S1 (Continuous operation)

Standard Compliance: EN 60034-1, CE

Approval Agency: UL, VDE, EAC, RoHS

Application

The Ziehl-Abegg RE22P-2DK.3F.5R centrifugal fan is used in high-density electronic cabinet cooling, industrial heat exchangers, laboratory fume hoods, small-scale air handling units, and precision air conditioning systems.

Product Images







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