

RE18P-2DK.1E.2R ZIEHL-ABEGG 400/460V AC Centrifugal Fan

SKU: RE18P-2DK.1E.2R

Price: \$1,371.06

Categories: Fans

Tags: Ziehl-Abegg

Product Link:

<https://www.electspares.com/product/re18p-2dk-1e-2r-ziehl-abegg-400-460v-ac-centrifugal-fan/>

Product Description

The ZIEHL-ABEGG RE18P-2DK.1E.2R is a high-performance 400/460VAC three-phase AC Centrifugal Fan with a 180 mm backward-curved aluminum impeller, specifically engineered for mission-critical cooling in Industrial Frequency Converters and specialized power electronics. Driven by a high-torque MK063-2DK.1E.2R external rotor motor with precision ball bearings, this 4.0 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 0.31 / 0.49 / 0.53 kW and a Max. Current Draw of 0.50 / 0.74 / 0.75 A at a rated speed of 2730 / 2970 / 3010 RPM. This High-performance unit features a 7-blade aerodynamic backward-curved aluminum impeller achieving a Max. Air Flow of 640.0 / 720.0 m³/h (376.7 / 423.8 CFM / 10.67 / 12.00 m³/min) and a Max. Static Pressure of 45.89 / 56.08 mmH₂O (450.0 / 550.0 Pa / 1.81 / 2.21 inAq). Featuring a "Made in Germany" robust construction with integrated thermal contacts (TB) for motor protection and moisture protection (P54Z), this IP54-rated fan is optimized for environments requiring high-pressure stability and extreme reliability in compact industrial VFD systems at the end.

RE18P-2DK.1E.2R Fan Parameters

Model Number: RE18P-2DK.1E.2R

Manufacturer: ZIEHL-ABEGG

Motor Model: MK063-2DK.1E.2R

Type: AC Centrifugal Fan (Backward-curved)

Impeller Size: 180 mm

Weight: 4.0 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: 0.50 / 0.74 / 0.75 A

Max. Power Consumption: 0.31 / 0.49 / 0.53 kW

Rated Speed: 2730 / 2970 / 3010 RPM

Power Factor ($\cos \varphi$): 0.89 / 0.95 / 0.91

Max. Air Flow: 376.7 / 423.8 CFM (640.0 / 720.0 m³/h / 10.67 / 12.00 m³/min)

Max. Static Pressure: 45.89 / 56.08 mmH₂O (450.0 / 550.0 Pa / 1.81 / 2.21 inAq)

Working Air Flow: 640.0 / 720.0 m³/h

Static Pressure Increase: 450.0 / 550.0 Pa

Motor Protection: Thermal contact (TB) integrated

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

Degree of Protection: IP54 (Moisture protection Z)

Number of Blades: 7

Direction of Rotation: Clockwise (viewed toward rotor)

Impeller Material: Aluminium

Ambient Temperature (Max.): 60 °C

Min. Operating Temperature: -25 °C

Balancing Quality: G6.3

Sound Power Level: 70.0 / 73.0 dB(A)

Standard Compliance: CE; UL; EAC

Application

The ZIEHL-ABEGG RE18P-2DK.1E.2R centrifugal fan is the primary cooling component for compact industrial frequency converters, high-density power supply modules, and specialized electronic cooling applications requiring high-efficiency airflow and high-pressure stability in 400V-460V three-phase environments.

Product Images



