

RH28C-2DD.3I.CR ZIEHL-ABEGG 400/500V Centrifugal Fan

SKU: RH28C-2DD.3I.CR

Price: \$2,379.46

Categories: Fans

Tags: Ziehl-Abegg

Product Link:

<https://www.electspares.com/product/rh28c-2dd-3i-cr-ziehl-abegg-400-500v-centrifugal-fan/>

Product Description

The ZIEHL-ABEGG RH28C-2DD.3I.CR is a high-capacity 3-phase AC Centrifugal Fan with a 280 mm impeller, specifically engineered for intensive thermal management in industrial frequency converters and power conversion equipment. Driven by a high-torque external rotor motor (MK092) with THCL 155 (Class F) insulation and IP54 protection, this unit features flexible power ratings up to 1.10 kW at 460 V (60 Hz). Operating at a peak rated speed of 3270 RPM, it features a high-performance ZAmid backward-curved impeller meticulously balanced to G 2.5 standards, ensuring a static efficiency of 50.6 %. This 10.10 kg German-engineered unit includes a 65 cm high-quality Li7Y2G-J cable and is UL-recognized, providing maximum reliability and mechanical stability for mission-critical industrial applications at the end.

RH28C-2DD.3I.CR Fan Parameters

Model Number: RH28C-2DD.3I.CR

Manufacturer: ZIEHL-ABEGG (Made in Germany)

Type: 3-Phase AC Centrifugal Fan (Backward-curved)

Designation: Single inlet impeller with backward curved blades

Impeller Size: 280.0 mm

Weight: 10.10 kg

Quality of Bearings: Ball bearing with long-time lubrication

Nominal Voltage: 3~ 400 - 500 VAC $\pm 10\%$ (Δ)

Phase: 3~

Frequency: 50/60 Hz

Rated Performance (50 Hz 400V): 0.66 kW | 1.25 A | 2800 RPM | $\cos \phi$ 0.77 (70 °C)

Rated Performance (60 Hz 400V): 1.00 kW | 1.65 A | 3170 RPM | $\cos \phi$ 0.90 (60 °C)

Rated Performance (60 Hz 460V): 1.10 kW | 1.55 A | 3270 RPM | $\cos \phi$ 0.86 (60 °C)

Max. Air Flow: 1677.4 CFM (2850.0 m³/h)

Max. Static Pressure: 102.0 mmH₂O (1000.0 Pa)

Working Air Flow: 2850.0 m³/h

Static Pressure Increase: 1000.0 Pa

Efficiency Grade (ErP): Nactual = 63.1 (Ntarget = 62 / ErP 2015 compliant)

Efficiency nstatA: 50.6 %

Electrical Connection: Supply cable side, 65 cm

Cable Quality: Li7Y2G-J, 9x 0.82 mm² (AWG18)

Connection Diagram: 1360-106XA

Motor Protection: Thermal contact (Integrated)

Type of Protection: IP54

Thermal Class: Thermal class 155 (Class F)

Balancing: G 2.5

Material Impeller: ZAMid (High-performance composite)

Colour Impeller: Like RAL 5002 (Ultramarine blue)

Painting Impeller: Unpainted

Installation Position: Fitting position H / Vu / Vo

Min. Operating Temperature: -20 °C

Labelling UL/CSA: E111399 ZA-155, MK092-2DK.14.U

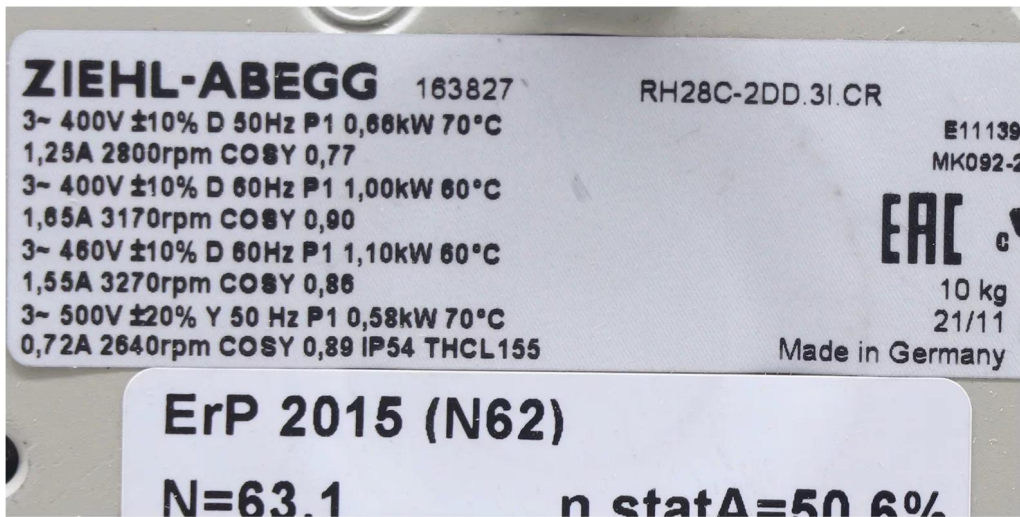
Certification: Motor-Recognized Component (UL)

Application

The ZIEHL-ABEGG RH28C-2DD.3I.CR 3-phase fan is the primary cooling component for heavy-duty industrial frequency converters, power conversion equipment, and modular AHU systems requiring high-efficiency airflow and durability in 400-500V power grids.

Product Images





Scan for product details:

