

RH28M-2DK.3F.1R ZIEHL-ABEGG 400V AC Centrifugal Fan

SKU: RH28M-2DK.3F.1R

Price: \$735.67

Categories: Fans

Tags: Ziehl-Abegg

Product Link:

<https://www.electspares.com/product/rh28m-2dk-3f-1r-ziehl-abegg-400v-ac-centrifugal-fan/>

Product Description

The ZIEHL-ABEGG RH28M-2DK.3F.1R is a high-performance 400VAC three-phase AC Centrifugal Fan featuring a 280 mm high-efficiency Cpro composite impeller, specifically engineered for mission-critical cooling in Industrial Frequency Converters and specialized AHU systems. Driven by a high-torque 2-pole external rotor motor with maintenance-free ball bearings, this 7.00 kg unit operates at 400/460 VAC across 50/60 Hz frequencies, delivering a Max. Power Consumption of 0.53 / 0.86 kW and a Max. Current Draw of 0.95 / 1.25 A at a rated speed of 2750 / 3220 RPM. This High-performance unit features a 7-blade aerodynamic Cpro impeller achieving a Max. Air Flow of 2450.0 / 2880.0 m³/h (1441.9 / 1695.0 CFM / 40.83 / 48.00 m³/min) and a Max. Static Pressure of 81.57 / 112.16 mmH₂O (800.0 / 1100.0 Pa / 3.21 / 4.42 inAq). Featuring a "Made in Germany" robust construction with integrated thermal contacts (TB) for motor protection, this IP10-rated fan is optimized for environments requiring high pressure stability and extreme reliability in industrial VFD systems at the end.

RH28M-2DK.3F.1R Fan Parameters

Model Number: RH28M-2DK.3F.1R

Manufacturer: ZIEHL-ABEGG

Type: AC Centrifugal Fan (Backward-curved)

Impeller Size: 280 mm

Weight: 7.00 kg

Origin: Made in Germany

Bearing Type: Ball bearing (Long-time lubrication)

Phase: 3~

Nominal Voltage: 400 / 460 VAC

Voltage Range: 360 - 506 VAC

Connection Type: Delta / Star (D/Y)

Frequency: 50 / 60 Hz

Max. Current Draw: 0.95 / 1.25 A

Max. Power Consumption: 0.53 / 0.86 kW

Rated Speed: 2750 / 3220 RPM

Max. Air Flow: 1441.9 / 1695.0 CFM (2450.0 / 2880.0 m³/h / 40.83 / 48.00 m³/min)

Max. Static Pressure: 81.57 / 112.16 mmH₂O (800.0 / 1100.0 Pa / 3.21 / 4.42 inAq)

Working Air Flow: 2450.0 / 2880.0 m³/h

Static Pressure Increase: 800.0 / 1100.0 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: Cpro Zamid (High-performance composite material)

Ambient Temperature (Max.): 70 / 50 °C

Min. Operating Temperature: -20 °C

Balancing Quality: G6.3

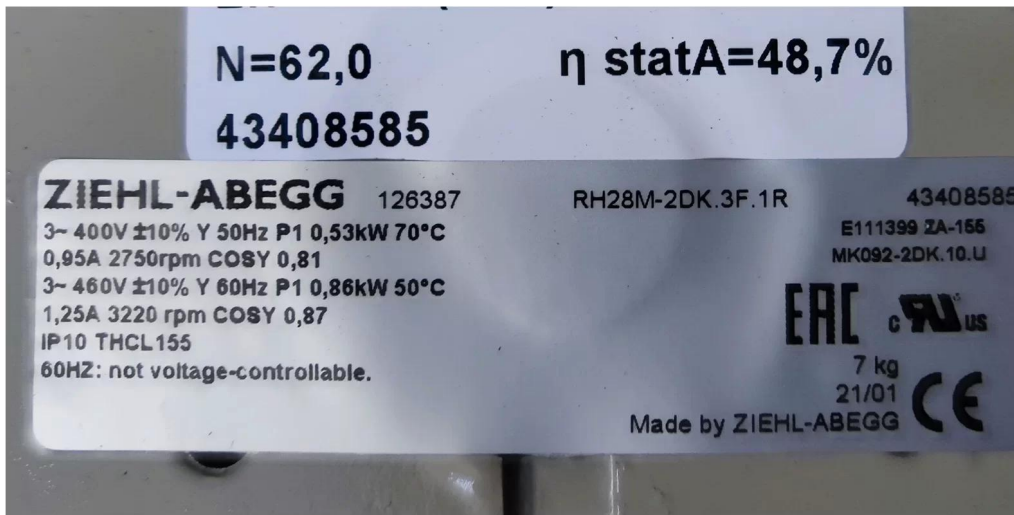
Standard Compliance: CE; UL; EAC; ErP 2015

Application

The ZIEHL-ABEGG RH28M-2DK.3F.1R centrifugal fan is the primary cooling component for industrial frequency converters, cabinet ventilation units, and high-efficiency heat exchangers requiring multi-frequency pressure stability in 400V/460V three-phase environments.

Product Images





Scan for product details:

