

RH56M-4DK.6K.1R Ziehl-Abegg 230/400V AC Centrifugal Fan

SKU: RH56M-4DK.6K.1R

Price: \$1,799.89

Categories: Fans

Tags: Ziehl-Abegg

Product Link:

<https://www.electspares.com/product/rh56m-4dk-6k-1r-ziehl-abegg-230-400v-ac-centrifugal-fan/>

Product Description

The Ziehl-Abegg RH56M-4DK.6K.1R is a specialized AC backward-curved centrifugal fan featuring a high-efficiency 570 mm bionic Cpro composite impeller. Engineered for medium-duty industrial applications, this unit balances a lightweight 22 kg design with a robust 4-pole external rotor motor. Supporting dual-voltage (230/400V) configurations, it delivers a precise 1230 RPM at 50Hz with a nominal power input of 0.80 kW. Designed with an IP54 protection rating and high-temperature tolerance up to 70 °C, this fan provides exceptional aerodynamic stability and energy efficiency for modular air handling units and precision cooling systems where weight and airflow performance are critical.

RH56M-4DK.6K.1R Fan Parameters

Manufacturer: Ziehl-Abegg

Model Number: RH56M-4DK.6K.1R

Type: AC backward-curved centrifugal fan

Phase: 3~ (Delta/Star connection)

Nominal Voltage: 230/400 V

Nominal Voltage Range: 220 - 415 VAC

Frequency: 50 Hz

Impeller Size: 570 mm

Weight: 22 kg

[Electrical Data]

Input Power: 0.80 kW (800 W)

Nominal Speed: 1230 RPM

Current Draw: 2.9 A (at 230V Delta) / 3.4 A (at 400V Star)

Motor Protection: Thermal contact (TB)

Insulation Class: F

Termination: Terminal box

[Performance & Acoustics]

Max. Air Flow: 6,768.7 CFM (11,500.0 m³/h / 191.7 m³/min)

Max. Static Pressure: 59.14 mmH₂O (580.0 Pa / 2.33 inH₂O)

Sound Power Level: 78 dB(A)

Number of Blades: 7

Direction of Rotation: Clockwise (viewed toward rotor)

Airflow Direction: Radial

[Materials & Construction]

Housing Material: None (Motorized impeller)

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

Motor Bearing: High-temperature ball bearings

Installation Position: Any

Degree of Protection: IP54

[Reliability & Safety Standards]

Min. Ambient Temperature: -20 °C

Max. Ambient Temperature: 70 °C

Standard Compliance: EN 60034-1, CE

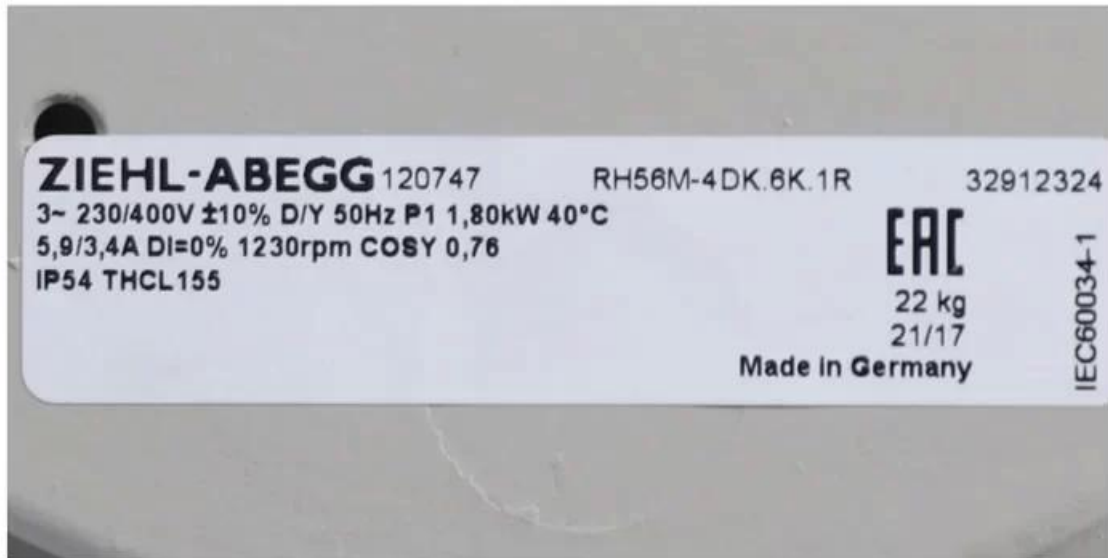
Approval Agency: UL, VDE, EAC, RoHS

Application

The Ziehl-Abegg RH56M-4DK.6K.1R centrifugal fan is used in large-scale HVAC air handling units, data center precision cooling systems, cleanroom ventilation, industrial drying equipment, and modular rooftop cooling units.

Product Images





Scan for product details:

