

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

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

Price: \$2,486.13

Categories: Fans

Tags: Ziehl-Abegg

Product Link:

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

Product Description

The Ziehl-Abegg RH56M-6DK.6K.1R is a professional-grade AC backward-curved centrifugal fan featuring the bionic Cpro composite impeller for optimized aerodynamic efficiency and silent operation. This 560 mm unit is equipped with a versatile three-phase external rotor motor that supports dual-voltage configurations (230V/400V) and dual-frequency operation (50/60 Hz). Delivering a nominal 0.63 kW at 900 RPM (50 Hz), it is specifically engineered for high-temperature environments, maintaining operational stability up to 70 °C. Its IP54-rated construction and high-performance blue composite blades ensure long-term durability and energy-efficient performance in specialized air handling units and industrial heat exhaustion systems.

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

Manufacturer: Ziehl-Abegg

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

Type: AC backward-curved centrifugal fan

Phase: 3~

Nominal Voltage (50 Hz): 230/400 V (Delta/Star)

Nominal Voltage (60 Hz): 265/460 V (Delta/Star)

Frequency: 50/60 Hz

Impeller Size: 560 mm

Weight: 26.5 kg

[Electrical Data]

Input Power (50 Hz): 0.63 kW

Input Power (60 Hz): 1.05 kW

Nominal Speed (50 Hz): 900 RPM

Nominal Speed (60 Hz): 1060 RPM

Current Draw (50 Hz): 2.5/1.45 A

Current Draw (60 Hz): 3.2/1.85 A

Motor Protection: Thermal contact (TB)

Insulation Class: F

Termination: Terminal box

[Performance & Acoustics]

Max. Air Flow (50 Hz): 5,297.2 CFM (9,000.0 m³/h / 150.0 m³/min)

Max. Static Pressure (50 Hz): 35.69 mmH₂O (350.0 Pa / 1.41 inH₂O)

Sound Power Level: 71 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-6DK.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:

