RH50E-4DK.6K.1R ZIEHL-ABEGG 380V 1.5kW 500mm Centrifugal Fan Datasheet

Brand: Ziehl-Abegg

SKU: 1039283676900

Category: Axial & Centrifugal Fans

Price: **$848.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/rh50e-4dk-6k-1r-ziehl-abegg-380v-1-5kw-500mm-centrifugal-fan

Product Description

The ZIEHL-ABEGG RH50E-4DK.6K.1R is a high-performance industrial centrifugal fan featuring a 500 mm diameter backward-curved impeller and a nominal power rating of 1.5 kW. This unit operates on a three-phase 380-400 VAC supply, delivering a maximum airflow capacity of 9,000 m3/h and a static pressure capability of 750 Pa. The structural design incorporates a robust aluminum or composite impeller mounted on an external rotor motor, ensuring a compact footprint and efficient heat dissipation. It is built with an IP54 protection rating and Class F insulation, allowing for reliable operation in environments with dust and moisture. The dual-current configuration of 5.0/2.9 A at 50/60 Hz enables optimized electrical consumption while maintaining a consistent rotational speed of 1,300 RPM.

RH50E-4DK.6K.1R Specifications
Model Number: RH50E-4DK.6K.1R
Brand: ZIEHL-ABEGG
Product Category: Centrifugal Fan
Impeller Diameter: 500 mm
Nominal Voltage: 380-400 VAC
Phase: 3-Phase
Frequency: 50/60 Hz
Power Input: 1.5 kW

Rated Current: 5.0/2.9 A
Rotational Speed: 1,300 RPM
Maximum Airflow: 9,000 m3/h
Maximum Static Pressure: 750 Pa
Protection Class: IP54
Insulation Class: F
Operating Temperature Range: -25 to +60 °C
Sound Power Level: 83 dB(A)
Weight: 22 kg
Impeller Type: Backward-curved
Motor Type: External rotor motor
Material: Aluminum/Composite impeller
Certifications: CE, UL, RoHS

RH50E-4DK.6K.1R Applications

Primary applications include integration into precision air conditioning units, high-voltage frequency inverter cabinets, and industrial HVAC air handling systems. Deployed within CNC machine tool cooling circuits, telecommunications base station thermal management, and large-scale server room ventilation arrays.

Supplemental Images