

# RH50V-ZIK.DG.1R Ziehl-Abegg 1.90kW 380-480V 500mm Centrifugal Fan Datasheet



**Brand:** Ziehl-Abegg

**SKU:** 1007840284238

**Category:** Axial & Centrifugal Fans

**Price:** **\$1,285.99**

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**E-mail:** [sales@equipspares.com](mailto:sales@equipspares.com)

**Web:** <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/rh50v-zik-dg-1r-ziehl-abegg-1-90kw-380-480v-500mm-centrifugal-fan>

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## Product Description

Ziehl-Abegg RH50V-ZIK.DG.1R is a 500 mm diameter centrifugal fan featuring a 1.90 kW ECblue motor, 380-480 V three-phase input, and 8010 m<sup>3</sup>/h airflow capacity. The unit utilizes a high-performance composite impeller with six backward-curved blades designed for low-noise operation and high efficiency. It incorporates an integrated EC controller for precise speed regulation and is housed in a robust assembly with an IP54 protection rating. The external rotor motor design ensures compact dimensions and optimal cooling of the electronics during continuous operation.

RH50V-ZIK.DG.1R Specifications

Model: RH50V-ZIK.DG.1R

Brand: Ziehl-Abegg

Impeller Diameter: 500 mm

Motor Technology: ECblue (External Rotor)

Input Voltage: 3~ 380-480 V AC

Frequency: 50/60 Hz

Rated Power: 1.90 kW

Rated Current: 3.10 - 2.50 A

Nominal Speed: 1650 min<sup>-1</sup>

Max Airflow: 8010 m<sup>3</sup>/h

Number of Blades: 6

Direction of Rotation: Clockwise

Protection Class: IP54

Insulation Class: 155

Impeller Material: High Performance Composite

Operating Temperature: -15 to +40 °C

Control Interface: Integrated EC Controller

Dimensions: 521 x 190 x 303 mm

Weight: 13.00 kg

Certifications: CE, ErP 2015

#### RH50V-ZIK.DG.1R Applications

Primary applications include integration into precision air conditioning units, data center cooling systems, and high-efficiency air handling units. Deployed within cleanroom ventilation modules and industrial heat recovery systems requiring low-noise, high-volume airflow management.

## Supplemental Images

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