

# RH63N-VDK.7M.AR Ziehl-Abegg 400VAC 630mm Centrifugal Fan Datasheet



**Brand:** Ziehl-Abegg

**SKU:** [637349913501](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$2,479.99**

---

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

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

Product Page:

<https://www.equipspares.com/product/rh63n-vdk-7m-ar-ziehl-abegg-400vac-630mm-centrifugal-fan>

---

## Product Description

---

The Ziehl-Abegg RH63N-VDK.7M.AR is a high-efficiency Centrifugal Fan engineered for demanding industrial HVAC applications and precision cooling systems. Featuring an advanced external rotor motor integrated with a backward-curved impeller, this unit optimizes aerodynamic performance while minimizing structural vibration and noise generation. The design incorporates robust thermal impedance characteristics and high structural rigidity, ensuring reliable operation under continuous load. Its precision-balanced assembly reduces bearing stress, extending the operational lifespan in critical precision air conditioning environments. The fan delivers superior airflow dynamics, making it an ideal solution for systems requiring consistent static pressure and thermal regulation.

Model Number: RH63N-VDK.7M.AR

Brand: Ziehl-Abegg

Product Type: Centrifugal Fan (Motorized Impeller)

Rated Voltage: 400 VAC

Voltage Range: 380 - 480 VAC (3-Phase)

Frequency: 50 / 60 Hz

Rated Current: 4.60 A

Power Input: 2.90 kW

Rated Speed: 1260 RPM

Max. Air Flow: 8240 CFM (14000 m<sup>3</sup>/h)

Max. Static Pressure: 3.21 inH<sub>2</sub>O (800 Pa)

Impeller Diameter: 630 mm

Bearing Type: Maintenance-free Ball Bearing

Motor Technology: AC External Rotor

Impeller Design: Backward Curved

Impeller Material: Sheet Aluminium / High-Performance Composite

Ingress Protection: IP54

Insulation Class: F (155°C)

Motor Protection: Thermal Overload Protector (TOP)

Operating Temperature: -20°C to +60°C

Mounting Orientation: Any

Termination: Terminal Box

Weight: 38.5 kg

Compliance: CE, UL, CCC

This cooling module is specifically configured for integration into large-scale climate control systems, including the Hiross precision air conditioning units found in data centers. The RH63N-VDK.7M.AR ensures optimal thermal stability for server racks and telecommunications infrastructure where downtime is not an option. Additionally, the RH63N-VDK.7M.AR is utilized in industrial ventilation, clean room filtration systems, and complex heat exchange units requiring sustained high-volume airflow.

## Supplemental Images

---

