RH63M-6DK.6N.1R Ziehl-Abegg 400VAC 630mm Centrifugal Fan Datasheet

Brand: Ziehl-Abegg

SKU: 899466822454

Category: Axial & Centrifugal Fans

Price: **$1,781.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/rh63m-6dk-6n-1r-ziehl-abegg-400vac-630mm-centrifugal-fan

Product Description

The Ziehl-Abegg RH63M-6DK.6N.1R is a high-efficiency centrifugal fan designed for demanding industrial thermal management. Featuring an external rotor motor integrated directly into the impeller, this unit optimizes aerodynamic performance while minimizing structural footprint. The backward-curved impeller geometry reduces turbulence and noise generation, ensuring stable airflow under high back-pressure conditions. Constructed with precision ball bearings and robust insulation, the motor ensures low thermal impedance and exceptional longevity. This motorized impeller solution delivers reliable operation in harsh environments, maintaining structural rigidity and consistent cooling performance for critical infrastructure.

Model Number: RH63M-6DK.6N.1R
Brand: Ziehl-Abegg
Product Type: Centrifugal Fan (Motorized Impeller)
Rated Voltage: 400VAC (3-Phase)
Voltage Range: 380 - 480 VAC
Frequency: 50/60 Hz
Rated Current: 5.50 A (Delta) / 3.20 A (Star)
Power Input: 2.90 kW
Rated Speed: 890 RPM
Bearing Type: Maintenance-free Ball Bearings

Max. Air Flow: 8240 CFM (14000 m^3/h)
Max. Static Pressure: 2.36 inH_2O (590 Pa)
Impeller Diameter: 630mm
Weight: 34.5 kg
Life Expectancy: 40,000 Hours at 40°C
Motor Type: AC External Rotor Motor
Impeller Material: Sheet Aluminium (Welded)
Ingress Protection: IP54
Insulation Class: F (155°C)
Motor Protection: Thermal Contact (TK)
Operating Temperature: -20°C to +60°C
Mounting Orientation: Any (Shaft Horizontal or Vertical)
Number of Blades: 7 Backward Curved Blades
Capacitor: None (3-Phase)
Compliance: CE, UL, CCC
Connection: Terminal Box

This heavy-duty air movement solution is engineered for large-scale industrial applications requiring substantial static pressure. Primary deployments include cooling systems for high-power frequency inverters and variable frequency drives (VFDs) where the RH63M-6DK.6N.1R ensures optimal thermal regulation. Additionally, the RH63M-6DK.6N.1R is widely utilized in central air handling units, clean room technology, and transformer cooling, providing consistent airflow to prevent component overheating in continuous-duty cycles.

Supplemental Images


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