

RD25S-4EW.4I.DL ZIEHL-ABEGG 230V AC Centrifugal Blower

SKU: RD25S-4EW.4I.DL

Price: \$2,975.84

Categories: Fans

Tags: Ziehl-Abegg

Product Link:

<https://www.electspares.com/product/rd25s-4ew-4i-dl-ziehl-abegg-230v-ac-centrifugal-blower/>

Product Description

The ZIEHL-ABEGG RD25S-4EW.4I.DL is a high-performance 230VAC single-phase AC Centrifugal Blower with dual 250 mm forward-curved impellers integrated into a heavy-duty double-inlet scroll housing, specifically engineered for mission-critical cooling in Industrial Frequency Converters and specialized AHU systems. Driven by a high-torque external rotor motor with precision ball bearings, this 14.5 kg unit operates within a 230VAC range across 50/60 Hz frequencies, delivering a Max. Power Consumption of 0.66 / 0.71 kW and a Max. Current Draw of 3.00 / 3.00 A at a rated speed of 880 / 1200 RPM. This High-performance unit features a specialized dual-impeller design within a galvanized steel housing achieving a Max. Air Flow of 2650.0 / 3150.0 m³/h (1559.7 / 1854.0 CFM / 44.17 / 52.50 m³/min) and a Max. Static Pressure of 35.69 / 48.95 mmH₂O (350.0 / 480.0 Pa / 1.41 / 1.93 inAq). Featuring a "Made in Germany" robust construction with integrated thermal contacts (TB) for motor protection and a critical Min. Static Pressure requirement (PsF min. 250 Pa) at 60 Hz to prevent motor overload, this IP54-rated blower is optimized for environments requiring high-volume airflow and high-pressure stability in industrial VFD systems at the end.

RD25S-4EW.4I.DL Fan Parameters

Model Number: RD25S-4EW.4I.DL

Manufacturer: ZIEHL-ABEGG

Motor Model: MK106-4EW.4I.DL

Type: AC Centrifugal Blower (Double inlet with scroll housing)

Impeller Size: 250 mm

Weight: 14.5 kg

Origin: Made in Germany

Bearing Type: Ball bearing (Long-time lubrication)

Nominal Voltage: 230 VAC

Voltage Range: 230 VAC (+10% / -10%)

Frequency: 50 / 60 Hz

Max. Current Draw: 3.00 / 3.00 A

Max. Power Consumption: 0.66 / 0.71 kW

Rated Speed: 880 / 1200 RPM

Capacitance Required: 10.0 μ F / 400 V

Min. Static Pressure (PsF min.): 0.0 / 250.0 Pa

Max. Air Flow: 1559.7 / 1854.0 CFM (2650.0 / 3150.0 m³/h / 44.17 / 52.50 m³/min)

Max. Static Pressure: 35.69 / 48.95 mmH₂O (350.0 / 480.0 Pa / 1.41 / 1.93 inAq)

Working Air Flow: 2650.0 / 3150.0 m³/h

Static Pressure Increase: 350.0 / 480.0 Pa

Motor Protection: Thermal contact (TB) integrated

Insulation Class: Thermal class 155 (Class F / THCL 155)

Degree of Protection: IP54

Direction of Rotation: Clockwise (viewed toward rotor)

Impeller Material: Galvanized sheet steel

Housing Material: Galvanized sheet steel double-inlet scroll

Ambient Temperature (Max.): 40 °C

Min. Operating Temperature: -20 °C

Balancing Quality: G6.3

Electrical Hookup: Lead wires (7-core cable, 45 cm)

Sound Power Level: 74.0 / 78.0 dB(A)

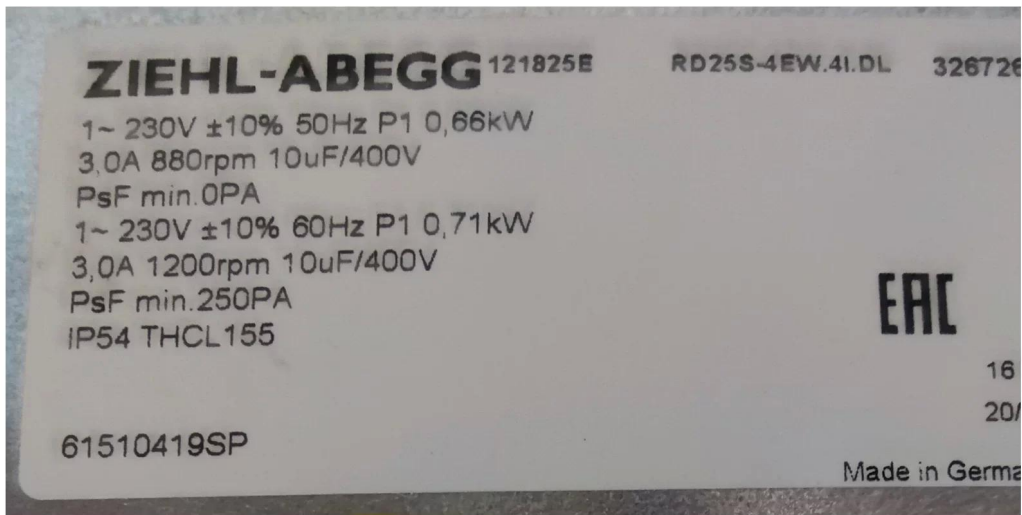
Standard Compliance: CE; UL; EAC; ErP 2015

Application

The ZIEHL-ABEGG RD25S-4EW.4I.DL centrifugal blower is the primary cooling component for industrial frequency converters, cabinet ventilation, and AHU units requiring high-volume airflow and high-pressure stability in 230VAC single-phase environments.

Product Images





Scan for product details:

