

SK 3243.100 Rittal 230VAC 323x323mm IP54 Filter Fan Datasheet



Brand: Rittal

SKU: [825435152505](#)

Category: Axial & Centrifugal Fans

Price: **\$805.99**

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Product Page: <https://www.equipspares.com/product/sk-3243-100-rittal-230vac-323x323mm-ip54-filter-fan>

Product Description

The Rittal SK 3243.100 is a TopTherm Filter Fan unit engineered for high-efficiency enclosure climate control. Utilizing an advanced diagonal fan technology powered by a robust AC motor (OEM reference K2E200-AH05-05), this unit optimizes aerodynamic throughput while maintaining minimal thermal impedance within electrical cabinets. The structural rigidity of the ABS housing ensures durability, while the integrated fiber filter mat provides IP54 ingress protection. Designed for tool-free assembly, the SK 3243.100 balances static pressure capabilities with substantial airflow to dissipate heat loads effectively in industrial environments.

Model Number: SK 3243.100

Brand: Rittal

OEM Fan Model: K2E200-AH05-05 (ebm-papst)

Product Type: TopTherm Filter Fan Unit

Rated Voltage: 230 VAC

Frequency: 50 / 60 Hz

Voltage Range: 207 - 253 VAC

Rated Current: 0.37 A (50Hz) / 0.39 A (60Hz)

Power Consumption: 70 W (50Hz) / 87 W (60Hz)

Rated Speed: 2650 RPM (50Hz) / 2950 RPM (60Hz)

Bearing Type: Ball Bearing

Max. Air Flow (Unimpeded): 323.7 CFM (550 m³/h)

Max. Air Flow (With Filter): 353 CFM (600 m³/h) - Free Blowing
Max. Static Pressure: 1.32 inH₂O (330 Pa) - Fan Motor Capability
Dimensions: 323 x 323 mm (Faceplate)
Installation Depth: 118.5 mm
Cutout Dimensions: 292 x 292 mm
Weight: 3.2 kg
Life Expectancy: 62,500 Hours (at 40°C)
Noise Level: 59 dB(A)
Ingress Protection: IP54 (Standard), IP56 (With Hood)
Housing Material: ABS (Acrylonitrile Butadiene Styrene)
Flammability Rating: UL 94-5VA
Color: RAL 7035 (Light Grey)
Operating Temperature: -30°C to +55°C
Storage Temperature: -30°C to +70°C
Termination: Terminal Strip
Mounting Orientation: Vertical
Filter Mat: Chemical fibre (G3)
Certifications: UR, cUR, CSA, CE, EAC
Protection Features: Miniature Circuit-Breaker/Fuse (4A)

The SK 3243.100 is predominantly utilized in industrial automation enclosures and server rack systems where reliable thermal management is critical for component longevity. By maintaining positive pressure, the SK 3243.100 prevents dust ingress while exhausting waste heat from variable frequency drives, PLCs, and power distribution units. This filter fan is essential for manufacturing plants, telecommunications infrastructure, and CNC control cabinets requiring continuous duty cooling.

Supplemental Images

