

SK3139.100 Rittal 230VAC 400x133x400mm Roof-mounted Fan

SKU: SK3139.100

Price: \$771.67

Categories: Fans

Tags: Rittal

Product Link:

<https://www.electspares.com/product/sk3139-100-rittal-230vac-400x133x400mm-roof-mounted-fan/>

Product Description

The Rittal SK3139.100 is a high-performance TopTherm roof-mounted fan unit with a nominal voltage of 230 VAC and external dimensions of 400 x 133 x 400 mm, specifically engineered for high-protection air extraction in electrical enclosures and server racks. Driven by a high-efficiency radial capacitor motor with a power consumption of 51 W at 50 Hz and 62 W at 60 Hz, this unit features a heavy-duty ball bearing system designed for long-term mechanical stability with a service life of up to 69,000 hours. Its advanced aerodynamic design delivers an unimpeded air throughput of 500 m³/h, which remains a robust 474 m³/h even when equipped with the integrated pleated filter for enhanced filtration. Constructed with a durable RAL 7035 light grey housing and featuring an innovative clamping attachment for flexible installation from inside or outside, this 5.16 kg unit provides a dependable and energy-efficient cooling solution with IP54 protection and NEMA 12 rating for industrial power distribution, telecommunications hubs, and automated control infrastructure at the end.

SK3139.100 Fan Parameters

Model Number: SK3139.100

Manufacturer: Rittal (ebmpapst OEM)

Series: TopTherm Roof-mounted fans

Design: Roof-mounted

Type: AC Radial Fan

Dimensions: 400 x 133 x 400 mm

Installation Depth: 34.6 mm

Mounting Cut-out: 258 x 258 mm

Weight: 5.16 kg

Bearing Type: Ball bearing

Nominal Voltage: 230 VAC (Single-phase)

Voltage Range: 220 - 240 VAC

Frequency: 50 / 60 Hz

Power Consumption: 51 W (50 Hz) / 62 W (60 Hz)

Nominal Current: 0.23 A (50 Hz) / 0.27 A (60 Hz)

Max. Air Flow: 62.23 CFM (105.7 m³/h / 1.76 m³/min)

Max. Static Pressure: 9.81 mmH₂O (96.24 Pa / 0.39 inH₂O)

Air Throughput (Unimpeded): 500 m³/h (50 Hz) / 525 m³/h (60 Hz)

Air Throughput (With Filter): 474 m³/h (50 Hz) / 514 m³/h (60 Hz)

Service Life (L10 @ 40 °C): 69,000 h (50 Hz) / 67,600 h (60 Hz)

Noise Level: 52 dB(A) (50 Hz) / 54 dB(A) (60 Hz)

Motor Design: AC capacitor motor

Motor Protection: Miniature circuit-breaker/fuse: 3 A (Pre-fuse)

Electrical Hookup: Terminal strips

Airflow Direction: V (Exhaust over struts)

Colour: RAL 7035 (Light grey)

Included Accessories: Complete unit ready to install, pleated filter

Degree of Protection: IP 54 (including pleated filter); IP 21 (without filter)

Protection Category NEMA: NEMA 12

Operating Temperature: -20 - +55 °C

Storage Temperature: -40 - +70 °C

Standard Compliance: EN 60529; CE; UKCA

Approval Agency: CSA; KC; TÜV; UL + C-UL; UR + C-UR

Application

The Rittal SK3139.100 fan is primarily utilized in electrical enclosure roof cooling units, server rack heat extraction, and industrial switchgear ventilation.

Product Images









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