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SK 3301.800

Roof-mounted cooling units

State: 2/04/2026 (Source: rittal.com/nz-en)

ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



SK 3301.800 - Roof-mounted cooling units for cooling IT equipment

Active climate control of individual enclosures for heat losses of up to 3 kW. Target temperature-controlled control of the server inlet temperature.



Features

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| Model No. | SK 3301.800 |
| Benefits | Even air distribution in front of the 482.6 mm (19") level |
| Applications | Cooling of IT equipment in IT enclosures sited as stand-alone units in secondary rooms |
| Function principle | <p>The device supports front-to-back air routing typical of IT applications, and regulates the server inlet temperature to the set value</p> <p>The hot waste air from the IT equipment is drawn into the device at the rear of the IT enclosure, cooled, and the cooled air blown back in front of the 482.6 mm (19") level</p> |
| Material | Sheet steel |
| Colour | RAL 7035 |
| Supply includes | <ul style="list-style-type: none">Condenser with hydrophobic RiNano coatingIntegral electric condensate evaporationFully wired ready for connectionDrilling templateAir baffle plateAssembly parts |

Features

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| Total cooling output to DIN EN 14511 | Total cooling output L35 L45: 3,200 W |
| Air throughput (unimpeded air flow) | External circuit: 2,000 m ³ /h Internal circuit: 1,450 m ³ /h |
| Energy efficiency ratio (EER) 50/60 Hz L35 L35 | Refrigeration factor L35 L35 (EER) 50 Hz: 1.6 |
| Rated operating voltage | 230 V, 1~, 50 Hz |
| Rated current max. | At 50 Hz: 10.4 A |
| Type of electrical connection | Plug-in terminal strip |
| Dimensions | Width: 597 mm Height: 417 mm Depth: 895 mm |
| Start-up current max. | At 50 Hz: 36 A |
| Duty cycle | 100 % |
| Temperature control | Control of the server inlet temperature |
| Monitoring | Monitoring of incoming air temperature |
| Permissible operating pressure (p. max.) | 25 bar |
| Pre-fuse | Miniature circuit-breaker/fuse: 16 A |
| Setting range | 20 °C...25 °C |
| Protection category to IEC 60 529 | External circuit IP 20 Internal circuit IP 20 |
| Refrigerant/cooling medium | Refrigerant: R134a Quantity: 1.2 kg Global Warming Potential (GWP): 1,430 |
| Packs of | 1 pc(s). |
| Net weight | 89 kg |
| Gross weight | 98 kg |
| Customs tariff number | 84158200 |
| ETIM 9 | EC000855 |

Features

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|---------------------|---|
| ETIM 8 | EC000855 |
| ECLASS 8.0 | 27180704 |
| Product description | SK Roof-mounted cooling unit, For cooling IT equipment, Control of the server air infeed temperature, WHD: 597x417x895 mm, 230 V, 1~, 50 Hz |

Approvals

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|--------------|---|
| Explanations | Declaration of conformity Declaration of conformity UK |
|--------------|---|

Tender text

IT roof-mounted cooling unit Rittal TopTherm

Model No. 3301.800

The unit supports "front to back" air routing typical of IT applications, and regulates the server inlet temperature to the set value. The hot waste air from the IT equipment is drawn into the unit at the rear of the IT enclosure, cooled, and the cooled air blown back in front of the 482.6 mm (19") level. It is mounted on the roof of the IT enclosure, and cools the air volume inside the enclosure. An air baffle plate for air-routing in front of the 482.6 mm (19") front level is included with the supply.

Technical specifications of the unit:

Useful cooling output to DIN 3168 L25 L35 3000 W

Rated operating voltage 230 V, 1/50 Hz

Power consumption Pel to DIN 3168, L25, L35, 1820 W

Dimensions W x H x D [mm] 597 x 417 x 895

Refrigerant R 134 a

Setting range of the server inlet temperature +20°C to + 25°C

Factory setting: +35 °C

Ambient temperature range: +20°C to +45°C

Temperature control and monitoring via comfort controller with two floating fault signal outlets, door limit switch connection and condensate warning

Connection via plug-in terminal strip

Protection category to EN 60 529/10.91

External circuit IP 20/ Internal circuit IP 20

Weight 96,6 kg

Colour RAL 7035