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SK 3301.800

Roof-mounted cooling units

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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

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	The device 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 device at the rear of the IT enclosure, cooled, and the cooled air blown back in front of the 482.6 mm (19") level
Material	Sheet steel
Colour	RAL 7035
Supply includes	Condenser with hydrophobic RiNano coating Integral electric condensate evaporation Fully wired ready for connection Drilling template Air baffle plate Assembly parts

Features

Total cooling output to DIN EN 14511	Total cooling output L35 L45: 3,200 W
Air throughput (unimpeded air flow)	External circuit: 2,000 m³/h Internal circuit: 1,450 m³/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
CRA risk class	Default (Low Risk)
Customs tariff number	84158200

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Features

ETIM 9	EC000855
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

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

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