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SK 3301.800

Roof-Mounted Cooling Units

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SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



SK 3301.800 - Roof-Mounted Cooling Units for cooling IT equipment

Active cooling of free-standing enclosures for up to 3 kW heat dissipation. Setpoint-dependent control of the server intake air 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	<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	Carbon steel
Color	RAL 7035
Supply includes	<ul style="list-style-type: none">Condenser with hydrophobic RiNano coatingIntegral electric condensate evaporationWired ready for connectionDrilling templateAir Baffle PlateAssembly components

Features

Total cooling output to DIN EN 14511	Total cooling output L35 L45: 3,200 W Total cooling output L35 L45: 10,919 BTU/h
Air throughput (unimpeded air flow)	External circuit: 2,000 m ³ /h Internal circuit: 1,450 m ³ /h External circuit: 1,177.2 cfm Internal circuit: 853.4 cfm
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 connection (electrical)	Plug-in terminal strip
Dimensions	Width: 597 mm Height: 417 mm Depth: 895 mm Width: 23.5 " Height: 16.4 " Depth: 35.2 "
Start-up current (max.)	At 50 Hz: 36 A
Duty cycle	100 %
Temperature control	Control of the server inlet temperature
Monitoring	Air intake temperature monitoring
Permissible operating pressure (p. max.)	25 bar 362.6 PSI
Pre-fuse	Miniature circuit-breaker/fuse: 16 A
Setting range	20 °C...25 °C 68 °F...77 °F
Protection category IP to EN 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 Refrigerant: R134a Quantity: 2.6 lb.

Features

Packaging unit	1 pc(s).
Net weight	89 kg
Gross weight	98 kg
Customs tariff number	84158200
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
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