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SK 3489.340

Wall-mounted cooling unit Blue e+ outdoor

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FRIEDHELM LOH GROUP



SK 3489.340 - Wall-mounted cooling unit Blue e+ outdoor

1.5 kW – 5.0 kW

Energy-efficient Blue e+ outdoor wall-mounted cooling units in output categories ranging from 1500 W to 5000 W. With their high protection category of IP 56 / UL type 12/3R/4 and a temperature range of -30 °C to 60 °C, they provide optimum protection in challenging environments. The cooling unit can be mounted in three different ways (external mounting, partial internal mounting and full internal mounting), for example on Toptec project solutions.



Features

Model No.	SK 3489.340
Design	wall-mounted Outdoor
Product description	The energy-efficient wall-mounted cooling unit Blue e+ Outdoor can be used worldwide, thanks to its multi-voltage capability, and is suitable for use with Toptec project solutions, for example.
Benefits	Average 75% energy savings thanks to speed-regulated components and heat pipe technology Longer service life of the components inside the enclosure and the cooling unit due to component-friendly cooling Intuitive operation due to touch display and intelligent interfaces
Product modification	The cover for the connection box to protect the electrical connection to the cooling unit has not been included with the supply since the start of 2024. Covers 3355.200 and 3355.210 can be ordered as optional accessories.
Material	Aluminium AlMg3
Surface finish	Powder-coated UV-resistant pure polyester

Features

Colour	RAL 7035
Supply includes	Condenser with hydrophobic RiNano coating Integral electric condensate evaporation Fully wired ready for connection (plug-in terminal strip) Mounting frame for universal attachment to outdoor enclosures for external, partial internal and full internal mounting. Assembly parts
Options	For remote monitoring and networking of cooling units and chillers in the Blue e+ generation, please use the IoT interface (Model No. 3124.300). Increase machine availability and process reliability with remote monitoring of device data, statuses and system messages.
Total cooling output to DIN EN 14511	Cooling output L35 L35/50 Hz: 4.55 kW Cooling output L35 L35/60 Hz: 4.55 kW Cooling output L35 L50/50 Hz: 2.85 kW Cooling output L35 L50/60 Hz: 2.85 kW
Rated operating voltage	380 V - 480 V, 3~, 50 Hz/60 Hz
Note	By downloading the software, a contract is concluded between the contractual partner and Rittal for the free use of the software in accordance with these licence conditions.
Note on Model No.	Tolerance: 380 V -10% (342 V) and 480 V +5% (509 V)
Rated power input	2.35 kW
Power consumption Pel	Power consumption L35 L35/50 Hz: 2.35 kW Power consumption L35 L35/60 Hz: 2.35 kW Power consumption L35 L50/50 Hz: 1.7 kW Power consumption L35 L50/60 Hz: 1.7 kW
Temperature control	e+ controller (factory setting +35 °C)
Dimensions	Width: 465 mm Height: 1,640 mm Depth: 360 mm
Enclosure dimensions including sealing frame and designer cover	Width: 517 mm Height: 1,692 mm Depth: 360 mm
Installation type	Universal installation (external mounting, partial internal mounting, full internal mounting)

Features

IP protection category to IEC 60529	with mounting frame: internal circuit IP56 without mounting frame: internal circuit IP 54
Protection category NEMA	with mounting frame: UL Type 12/3R/4 without mounting frame: UL Type 12/3R
Air throughput (unimpeded air flow)	External circuit: 2,300 m ³ /h Internal circuit: 2,300 m ³ /h
Refrigerant/cooling medium	Refrigerant: R-1234yf Quantity: 1.76 kg Refrigerant quantity in compression system: 1.04 kg Refrigerant quantity in heat pipe system: 0.72 kg Global Warming Potential (GWP): 0.5 CO2 equivalent (CO2e): 0 t
Energy efficiency ratio (EER) 50/60 Hz L35 L35	Refrigeration factor L35 L35 (EER) 50 Hz: 1.94 Refrigeration factor L35 L35 (EER) 60 Hz: 1.94
To fit	Enclosure type: Toptec Width: ≥ 800 mm Height: ≥ 1,800 mm
To fit Model No.	9782.828 9783.888
Setting range	20 °C...50 °C
Operating temperature range	-30 °C...60 °C
Operating temperature range of refrigerant circuit (active)	3 °C...60 °C
Heat pipe operating temperature range	-30 °C...45 °C
Storage temperature range	-40 °C...70 °C
Permissible operating pressure (p. max.)	2.4
Noise level	71 dB(A)
Packs of	1 pc(s).
Net weight	85 kg
Gross weight	89 kg

Features

PCF per pack (cradle-to-gate)	522.24 kg CO2 eq (Cat B)
Note on PCF category	Category B: PCF value (cradle-to-gate) based on the product weight, approximately calculated and self-declared
Customs tariff number	84158200
ECLASS 8.0	27180704
Product description	SK Blue e+ Outdoor cooling unit, wall-mounted, 4.55 kW, R-1234yf, 380-480 V, 3~, 50-60 Hz, aluminium, WHD: 465 x 1640 x 360 mm

Approvals

Explanations	Declaration of conformity Declaration of conformity - F-gas regulation PCF-declaration
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