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## SK 3189.340

# Wall-mounted cooling unit Blue e+ outdoor

State: 20.09.2024 (Source: [rittal.com/bg-bg](http://rittal.com/bg-bg))

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FRIEDHELM LOH GROUP



# SK 3189.340 - 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 3189.340                                                                                                                                                                                                                                                                          |
| Design              | wall-mounted<br>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<br>Longer service life of the components inside the enclosure and the cooling unit due to component-friendly cooling<br>Intuitive operation due to touch display and intelligent interfaces |
| Material            | Aluminium AlMg3                                                                                                                                                                                                                                                                      |
| Surface finish      | Powder-coated<br>UV-resistant pure polyester                                                                                                                                                                                                                                         |
| Colour              | RAL 7035                                                                                                                                                                                                                                                                             |

# Features

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|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Supply includes                                                 | Condenser with hydrophobic RiNano coating<br>Integral electric condensate evaporation<br>Fully wired ready for connection (plug-in terminal strip)<br>Mounting frame for universal attachment to outdoor enclosures for external, partial internal and full internal mounting.<br>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: 5 kW<br>Cooling output L35 L35/60 Hz: 5 kW<br>Cooling output L35 L50/50 Hz: 3.62 kW<br>Cooling output L35 L50/60 Hz: 3.62 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                                               | 2,2 kW                                                                                                                                                                                                                                                                                           |
| Power consumption Pel                                           | Power consumption L35 L35/50 Hz: 2.42 kW<br>Power consumption L35 L35/60 Hz: 2.42 kW<br>Power consumption L35 L50/50 Hz: 2.42 kW<br>Power consumption L35 L50/60 Hz: 2.42 kW                                                                                                                     |
| Temperature control                                             | e+ controller (factory setting +35 °C)                                                                                                                                                                                                                                                           |
| Dimensions                                                      | Width: 465 mm<br>Height: 1,640 mm<br>Depth: 360 mm                                                                                                                                                                                                                                               |
| Enclosure dimensions including sealing frame and designer cover | Width: 517 mm<br>Height: 1,692 mm<br>Depth: 360 mm                                                                                                                                                                                                                                               |
| Installation type                                               | Universal installation (external mounting, partial internal mounting, full internal mounting)                                                                                                                                                                                                    |
| IP protection category to IEC 60529                             | with mounting frame: internal circuit IP56<br>without mounting frame: internal circuit IP 54                                                                                                                                                                                                     |

# Features

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|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Protection category NEMA                                    | with mounting frame: UL Type 12/3R/4<br>without mounting frame: UL Type 12/3R                                                             |
| Air throughput (unimpeded air flow)                         | External circuit: 2,300 m <sup>3</sup> /h<br>Internal circuit: 2,300 m <sup>3</sup> /h                                                    |
| Refrigerant/cooling medium                                  | Refrigerant: R134a<br>Quantity: 1.75 kg<br>Global Warming Potential (GWP): 1,430<br>CO <sub>2</sub> equivalent (CO <sub>2</sub> e): 2.5 t |
| Energy efficiency ratio (EER) 50/60 Hz L35 L35              | Refrigeration factor L35 L35 (EER) 50 Hz: 2.07<br>Refrigeration factor L35 L35 (EER) 60 Hz: 2.07                                          |
| To fit                                                      | Enclosure type: Toptec<br>Width: ≥ 800 mm<br>Height: ≥ 1,800 mm                                                                           |
| To fit Model No.                                            | 9888.560                                                                                                                                  |
| 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).                                                                                                                                  |
| Weight/pack                                                 | 72,8 kg                                                                                                                                   |
| Net weight                                                  | 85                                                                                                                                        |
| Gross weight                                                | 89                                                                                                                                        |
| Customs tariff number                                       | 84158200                                                                                                                                  |
| EAN                                                         | 4028177964495                                                                                                                             |
| ETIM 8                                                      | EC000855                                                                                                                                  |

# Features

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| ETIM 7.0 | EC000855 |
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| ECLASS 8.0 | 27180704 |
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# Approvals

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| Approvals | IEC CB<br>UL + C-UL (listed) |
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| Explanations | Declaration of conformity<br>Declaration of conformity - F-gas regulation<br>Declaration of conformity UK |
|--------------|-----------------------------------------------------------------------------------------------------------|

# Tender text

Wall-mounted cooling unit Blue e+ Outdoor

Energy-efficient wall-mounted cooling units Blue e+ Outdoor in the output classes 1500 W to 5000 W.

They offer optimum protection for demanding environments thanks to the high protection class of IP 56 / UL Type 12/3R/4 and the temperature range of -30°C to 60°C.

The cooling unit can be mounted in three mounting types (internal mounting, partial mounting and external mounting), for example on TopTe project solutions.

Cooling output L35 L35 50/60 Hz: 5,0 / 5,0 kW

Cooling output L35 L50 50/60 Hz: 3,62 / 3,62 kW

Power consumption L35 L35 50/60 Hz: 2,42 / 2,42 kW

Power consumption L35 L50 50/60 Hz: 2,42 / 2,42 kW

Rated power input: 2,2 kW

Rated operating voltage: 380-480 V, 3~, 50/60 Hz

Temperature control: e+ controller (factory setting +35 °C)

Dimensions [WxHxD]: 517x1692x360 mm incl. sealing frame and designer cover

Dimensions [WxHxD]: 465x1640x360 mm

To fit: enclosure type Toptec (Width: = 800 mm, Height: = 1800 mm)

Material: Aluminium AlMg3

Surface finish: Powder-coated, UV-resistant pure polyester

Installation type: Universal installation (internal, partial internal and external)

Colour: RAL 7035

Energy efficiency ratio (EER) 50/60 Hz: 2,07 / 2,07

Refrigerant / Quantity: R134a / 1,75 kg

Operating temperature range: -30 °C to 60 °C

Setting range: 20 °C to 50 °C

Storage temperature range: -40 °C to 70 °C

IP protection category to IEC 60 529: with sealing frame (Internal circuit IP 56); without sealing frame (Internal circuit IP 54)

Protection category NEMA: with sealing frame (UL Type 12/3R/4); without sealing frame (UL Type 12/3R)

Weight: 72,8 kg