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## **Wall-mounted cooling unit Blue e+ Total cooling output 1.6 - 5.8 kW – SK 3188.940**

Date : Aug 18, 2021

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FRIEDHELM LOH GROUP



# Wall-mounted cooling unit Blue e+ Total cooling output 1.6 - 5.8 kW – SK 3188.940

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## Product description

|                                          |                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Benefits:                                | Average 75% energy savings thanks to speed-regulated components and heat pipe technology<br>Suitable for international use due to a unique multi-voltage capability<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:                                | Sheet steel                                                                                                                                                                                                                                                                                                                                                     |
| Colour:                                  | RAL 7035                                                                                                                                                                                                                                                                                                                                                        |
| Protection category<br>IP to IEC 60 529: | Internal circuit IP 55                                                                                                                                                                                                                                                                                                                                          |
| Supply includes:                         | Nano-coated condenser<br>Integral electric condensate evaporation<br>Assembly parts<br>Fully wired ready for connection (plug-in terminal strip)                                                                                                                                                                                                                |
| Note:                                    | Please observe the mounting instructions.<br>Firmware can be updated using the RiDiag III software (3159.300)<br>Full installation not possible                                                                                                                                                                                                                 |
| 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.                                                                                     |

## Product description

|          |              |
|----------|--------------|
| Variant: | wall-mounted |
|----------|--------------|

|                                                          |                                                                                                                                                                                                   |
|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Total cooling output to DIN EN 14511:</b>             | L 35 L 35 at 50 Hz: 4.2 kW<br>L 35 L 35 at 60 Hz: 4.2 kW<br>L 35 L 50 at 50 Hz: 3.02 kW<br>L 35 L 50 at 60 Hz: 3.02 kW                                                                            |
| <b>Rated power input:</b>                                | 1.3 kW                                                                                                                                                                                            |
| <b>Air throughput (unimpeded air flow):</b>              | External circuit: 2300 m³/h<br>Internal circuit: 2300 m³/h                                                                                                                                        |
| <b>Rated operating voltage:</b>                          | 380 V - 480 V, 3~, 50 Hz/60 Hz                                                                                                                                                                    |
| <b>Dimensions:</b>                                       | Width: 450 mm<br>Height: 1600 mm<br>Depth: 393 mm                                                                                                                                                 |
| <b>Temperature control:</b>                              | e+ controller (factory setting +35 °C)                                                                                                                                                            |
| <b>Temperature range:</b>                                | Bearing: -40 °C...+70 °C<br>Operation (environment): -20 °C...+60 °C<br>Heat pipe active mode: -20 °C...+45 °C<br>Compressor system active mode: +3 °C...+60 °C<br>Setting range: +20 °C...+50 °C |
| <b>Refrigerant/cooling medium:</b>                       | Refrigerant: R134a<br>Quantity: 1.75 kg<br>Global Warming Potential (GWP): 1430<br>CO <sub>2</sub> equivalent (CO <sub>2</sub> e): 2.5 t                                                          |
| <b>Power consumption P<sub>el</sub>:</b>                 | L 35 L 35 at 50 Hz: 1.21 kW<br>L 35 L 35 at 60 Hz: 1.21 kW<br>L 35 L 50 at 50 Hz: 1.28 kW<br>L 35 L 50 at 60 Hz: 1.28 kW                                                                          |
| <b>Permissible operating pressure (p. max.):</b>         | 24 bar                                                                                                                                                                                            |
| <b>Seasonal energy efficiency ratio (SEER) 50/60 Hz:</b> | 8.1                                                                                                                                                                                               |
| <b>eCl@ss 8.0/8.1:</b>                                   | 27180704                                                                                                                                                                                          |
| <b>Energy efficiency ratio (EER) 50/60 Hz L35 L35:</b>   | 3,46 / 3,46                                                                                                                                                                                       |
| <b>Packs of:</b>                                         | 1 pc(s).                                                                                                                                                                                          |
| <b>Weight/pack:</b>                                      | 72.4 kg                                                                                                                                                                                           |
| <b>EAN:</b>                                              | 4028177709591                                                                                                                                                                                     |
| <b>Customs tariff</b>                                    | 84158200                                                                                                                                                                                          |

|                             |                                                                                                               |
|-----------------------------|---------------------------------------------------------------------------------------------------------------|
| <b>number:</b>              |                                                                                                               |
| <b>ETIM 7.0:</b>            | EC000855                                                                                                      |
| <b>ETIM 6.0:</b>            | EC000855                                                                                                      |
| <b>eCl@ss 8.0/8.1:</b>      | 27180704                                                                                                      |
| <b>eCl@ss 6.0/6.1:</b>      | 27180704                                                                                                      |
| <b>Product description:</b> | SK cooling unit Blue e+, wall-mounted, 4.2 kW, 380-480 V, 3~, 50-60 Hz, Sheet steel, WHD: 450 x 1600 x 393 mm |
| <b>Approvals</b>            |                                                                                                               |
| <b>Approvals:</b>           | Approval overview<br>CCC exception letter<br>UL + C-UL<br>UL + C-UL - FTTA                                    |
| <b>Certificates:</b>        | EAC                                                                                                           |
| <b>Declarations:</b>        | Declaration of conformity<br>Declaration of conformity - F-gas regulation<br>FCC                              |