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## **TopTherm chillers 1 - 6 kW – SK 3319.600**

Date : May 25, 2018

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FRIEDHELM LOH GROUP



# TopTherm chillers 1 - 6 kW – SK 3319.600

created: 25.05.2018 build on [www.rittal.com/us-en](http://www.rittal.com/us-en)



## Product description

|                                                  |                                                                                                                                                                                   |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Version:</b>                                  | Compact, modular layout of the refrigeration components<br>Nano-coated condenser<br>Pump to convey the medium                                                                     |
| <b>Benefits:</b>                                 | Precise temperature control, based on microprocessor technology<br>Collective fault signal with floating contact<br>One version for two frequencies = international compatibility |
| <b>Color:</b>                                    | RAL 7035                                                                                                                                                                          |
| <b>Protection category<br/>IP to IEC 60 529:</b> | IP 44 (electronics)                                                                                                                                                               |
| <b>Supply includes:</b>                          | Complete unit ready for connection<br>Multilingual documentation including functional diagram and wiring plans                                                                    |
| <b>Note:</b>                                     | For 3334.660, two metal filters are required.                                                                                                                                     |

## Product features

|                                                 |                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Total cooling output:</b>                    | With T <sub>sub-W</sub> / T <sub>sub-U</sub> = 10°C / 32°C and 50 Hz: 1.2 kW (4094 BTU)<br>With T <sub>sub-W</sub> / T <sub>sub-U</sub> = 10°C / 32°C and 60 Hz: 1.3 kW (4435 BTU)<br>With T <sub>sub-W</sub> / T <sub>sub-U</sub> = 18°C / 32°C and 50 Hz: 1.5 kW (5118 BTU)<br>With T <sub>sub-W</sub> / T <sub>sub-U</sub> = 18°C / 32°C and 60 Hz: 1.7 kW (5800 BTU) |
| <b>Air throughput<br/>(unimpeded air flow):</b> | At 50 Hz: 900 ft <sup>3</sup> /min (900 ft <sup>3</sup> /min)<br>At 60 Hz: 900 ft <sup>3</sup> /min (900 ft <sup>3</sup> /min)                                                                                                                                                                                                                                           |
| <b>Rated operating<br/>voltage:</b>             | 230 V, 1~, 50 Hz/60 Hz                                                                                                                                                                                                                                                                                                                                                   |

|                                    |                                                                                                                                                   |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Dimensions:</b>                 | Height: 400 mm (16 ")<br>Width: 600 mm (24 ")<br>Depth: 430 mm (17 ")                                                                             |
| <b>Temperature control:</b>        | Microcontroller Control (factory setting +20°C)                                                                                                   |
| <b>Temperature range:</b>          | Operation (environment): +10°C...+43°C<br>Liquid media: +10°C...+30°C                                                                             |
| <b>Temperature hysteresis:</b>     | ± 2 K                                                                                                                                             |
| <b>Refrigerant/cooling medium:</b> | Refrigerant: R134a<br>Quantity: 975 g (34.4 oz)<br>Global Warming Potential (GWP): 1430<br>CO <sub>2</sub> equivalent (CO <sub>2</sub> e): 1.39 t |
| <b>Rated power P<sub>el</sub>:</b> | At 50 Hz: 0.86 kW<br>At 60 Hz: 0.99 kW                                                                                                            |
| <b>Rated current (max.):</b>       | At 50 Hz: 5.7 A<br>At 60 Hz: 5.6 A                                                                                                                |
| <b>Water circuit:</b>              | Pressure-sealed                                                                                                                                   |
| <b>Water connections:</b>          | G ½" internal thread                                                                                                                              |
| <b>Number of cooling circuits:</b> | 1                                                                                                                                                 |
| <b>Packaging unit:</b>             | 1 pc(s).                                                                                                                                          |
| <b>Weight/packaging unit:</b>      | 51 kg                                                                                                                                             |
| <b>EAN:</b>                        | 4028177351158                                                                                                                                     |
| <b>Customs tariff number:</b>      | 84186900                                                                                                                                          |
| <b>ETIM 6.0:</b>                   | EC002516                                                                                                                                          |
| <b>ETIM 5.0:</b>                   | EC002516                                                                                                                                          |
| <b>eCl@ss 8.0/8.1:</b>             | 27180713                                                                                                                                          |
| <b>eCl@ss 7.0/7.1:</b>             | 27180713                                                                                                                                          |
| <b>eCl@ss 6.0/6.1:</b>             | 27180713                                                                                                                                          |
| <b>eCl@ss 5.1/5.1.4:</b>           | 27180713                                                                                                                                          |
| <b>Product description</b>         | SK Chiller TopTherm, Stand alone, Pressure-sealed, 1.5/1.7 kW, 230 V, 1~, 50/60 Hz, WHD:                                                          |

(long): 600 x 400 x 430 mm

## Approvals

**Approvals:** Approval overview

**Certificates:** EAC

**Declarations:** Declaration of conformity