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## SK 3318.610 TopTherm chillers

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FRIEDHELM LOH GROUP



# SK 3318.610 - TopTherm chillers 1 - 4 kW

Roof-mounted and stand-alone TopTherm chillers are both flexible and compact. They provide for economical chilling of a central cooling water supply for air/water heat exchangers or the like. With nano-coated condenser as standard.

## Features

|  |   |
|--|---|
| Model No.  | SK 3318.610   |
| Design   | Compact, modular layout of the refrigeration components<br>Pump to convey the medium  |
| Benefits   | Precise temperature control, based on microprocessor technology<br>Collective fault signal with floating contact<br>One version for two frequencies = international compatibility |
| Colour   | RAL 7035  |
| Supply includes                                  | Condenser with hydrophobic RiNano coating<br>Complete unit ready for connection<br>Multilingual documentation including functional diagram and wiring plans                       |
| Protection category to IEC 60 529                | IP 44 (electrics)   |
| Total cooling output Tw10 / Tu32                 | Cooling output Tw10 Tu32/50 Hz: 0.8 kW<br>Cooling output Tw10 Tu32/60 Hz: 0.9 kW  |
| Total cooling output Tw18 / Tu32                 | Cooling output Tw18 Tu32/50 Hz: 1 kW<br>Cooling output Tw18 Tu32/60 Hz: 1.1 kW  |
| Total cooling output to DIN EN 14511 Tw18 / Tu35 | Cooling output Tw18 Tu35/50 Hz: 1.1 kW<br>Cooling output Tw18 Tu35/60 Hz: 1.51 kW   |
| Air throughput (unimpeded air flow)              | At 50 Hz: 900 m <sup>3</sup> /h<br>At 60 Hz: 900 m <sup>3</sup> /h  |
| Rated operating voltage                          | 230 V, 1~, 50 Hz/60 Hz  |
| Dimensions                                       | Width: 600 mm<br>Height: 400 mm<br>Depth: 455 mm  |
| Temperature control                              | Microcontroller control (factory setting +20 °C)  |

# Features

|   |   |
|---|---|
| Operating temperature range                                   | 10 °C...43 °C   |
| Operating temperature range of cooling medium                 | 10 °C: 30 °C  |
| Temperature hysteresis  | ± 2 K   |
| Refrigerant/cooling medium                                    | Refrigerant: R-513A<br>Quantity: 0.975 kg<br>Global Warming Potential (GWP): 631<br>CO2 equivalent (CO2e): 0.61 t |
| Pump pressure   | At 50 Hz: 2.5 bar   |
| Volumetric flow (cooling medium)                              | At 50 Hz: 3.5 l/min<br>At 60 Hz: 6 l/min  |
| Power consumption Pel   | At 50 Hz: 0.64 kW<br>At 60 Hz: 0.79 kW  |
| Rated current max.  | At 50 Hz: 5.1 A<br>At 60 Hz: 5.6 A  |
| Energy efficiency ratio (EER) 50 Hz<br>Tw18/Tu35 DIN EN 14511 | 1.7   |
| Water circuit   | hermetically open   |
| Water connections   | G ½" internal thread  |
| Number of cooling circuits                                    | 1   |
| Tank  | Material: PP plastic<br>Volume: 2.5 l   |
| Packs of  | 1 pc(s).  |
| Net weight  | 48 kg   |
| Gross weight  | 53 kg   |
| Customs tariff number   | 84186900  |
| ETIM 9  | EC002516  |
| ETIM 8  | EC002516  |
| ECLASS 8.0  | 27180713  |

# Features

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|                     |   |
|---------------------|---|
| Product description | SK Chiller TopTherm, Stand alone, open, 1.1/1.51 kW, 230 V, 1~, 50/60 Hz, WHD: 600 x 400 x 430 mm |
|---------------------|---|

# Approvals

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|              |   |
|--------------|---|
| Explanations | Declaration of conformity<br>Declaration of conformity - F-gas regulation |
|--------------|---|

# Tender text

Total cooling output at TW 18 °C / TU 35°C, 50/60 Hz 1.1/1.51 kw

Air throughput unimpeded airflow: 900 m<sup>3</sup>/h

Rated operating voltage: 230 V, 50/60 Hz, 1~

Dimensions [W x H x D]: 600 x 400 x 455

Refrigerant: R-513A / 975 g

Temperature range ambience (Tu): 10°C to 43°C

Temperature range liquid medium (Tw): 10°C to 30°C

Temperature control: Microcontroller control

Factory setting: 20°C

Water connections: 1/2" (internal thread)

Protection category to EN 60 529/10.91: IP 44

Weight: 48 kg

Colour: RAL 7035