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SK 3318.610

TopTherm chillers

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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 Pump to convey the medium
Benefits	Precise temperature control, based on microprocessor technology Collective fault signal with floating contact One version for two frequencies = international compatibility
Colour	RAL 7035
Supply includes	Condenser with hydrophobic RiNano coating Complete unit ready for connection 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 Cooling output Tw10 Tu32/60 Hz: 0.9 kW
Total cooling output Tw18 / Tu32	Cooling output Tw18 Tu32/50 Hz: 1 kW 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 Cooling output Tw18 Tu35/60 Hz: 1.51 kW
Air throughput (unimpeded air flow)	At 50 Hz: 900 m³/h At 60 Hz: 900 m³/h
Rated operating voltage	230 V, 1~, 50 Hz/60 Hz
Dimensions	Width: 600 mm Height: 400 mm Depth: 455 mm
Temperature control	Microcontroller control (factory setting +20 °C)

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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 Quantity: 0.975 kg Global Warming Potential (GWP): 631 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 At 60 Hz: 6 l/min
Power consumption Pel	At 50 Hz: 0.64 kW At 60 Hz: 0.79 kW
Rated current max.	At 50 Hz: 5.1 A At 60 Hz: 5.6 A
Energy efficiency ratio (EER) 50 Hz 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 Volume: 2.5 l
Packs of	1 pc(s).
Net weight	48 kg
Gross weight	53 kg
CRA risk class	Default (Low Risk)
Customs tariff number	84186900
ETIM 9	EC002516
ETIM 8	EC002516
ECLASS 8.0	27180713

Features

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

Explanations	Declaration of conformity 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 m³/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

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