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SK 3319.610

TopTherm chillers

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ENCLOSURES | POWER DISTRIBUTION | CLIMATE CONTROL | IT INFRASTRUCTURE | SOFTWARE & SERVICES

FRIEDHELM LOH GROUP

SK 3319.610 - TopTherm chillers 3412.1 - 13,648 BTU/h

TopTherm chillers in roof-mounted or stand-alone versions are flexible and compact. They offer centralized and efficient cooling of the cooling water and supply air/water heat exchangers and other devices. With nano-coated condenser as standard.

Features

Model No.	SK 3319.610
Version	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
Color	RAL 7035
Supply includes	Condenser with hydrophobic RiNano coating Complete unit ready for connection Multilingual documentation including functional diagram and wiring plans
Protection category IP to EN 60 529	IP 44 (electrics)
Total cooling output Tw10 / Tu32	Cooling output Tw10 Tu32/50 Hz: 1.2 kW Cooling output Tw10 Tu32/60 Hz: 1.3 kW Cooling output Tw10 Tu32/50 Hz: 4,095 BTU/h Cooling output Tw10 Tu32/60 Hz: 4,436 BTU/h
Total cooling output Tw18 / Tu32	Cooling output Tw18 Tu32/50 Hz: 1.5 kW Cooling output Tw18 Tu32/60 Hz: 1.7 kW Cooling output Tw18 Tu32/50 Hz: 5,118 BTU/h Cooling output Tw18 Tu32/60 Hz: 5,801 BTU/h
Total cooling output to DIN EN 14511 Tw18 / Tu35	Cooling output Tw18 Tu35/50 Hz: 1.7 kW Cooling output Tw18 Tu35/60 Hz: 1.9 kW
Air throughput (unimpeded air flow)	At 50 Hz: 900 m³/h At 60 Hz: 900 m³/h At 50 Hz: 529.7 cfm At 60 Hz: 529.7 cfm

Features

Rated operating voltage	230 V, 1~, 50 Hz/60 Hz
Dimensions	Width: 600 mm Height: 400 mm Depth: 455 mm Width: 23.6 ″ Height: 15.7 ″ Depth: 17.9 ″
Temperature control	Microcontroller control (factory setting +20 °C)
Operating temperature range	10 °C...43 °C 50 °F...109 °F
Operating temperature range of cooling medium	10 °C...30 °C 50 °F...86 °F
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 Refrigerant: R-513A Quantity: 2.1 lb.
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
Rated power Pel	At 50 Hz: 0.86 kW At 60 Hz: 1.07 kW
Rated current max.	At 50 Hz: 5.7 A At 60 Hz: 5.6 A
Refrigeration factor (EER) 50 Hz Tw18 / Tu35 DIN EN 14511	1.77
Water circuit	hermetically open
Water connections	G ½" internal thread
Number of cooling circuits	1
Tank	Material: Plastic PP Volume: 2.5 l

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Features

Packaging unit	1 pc(s).
Net weight	51 kg
Gross weight	56 kg
CRA risk class	Default (Low Risk)
Customs tariff number	84186900
ETIM 9	EC002516
ETIM 8	EC002516
ECLASS 8.0	27180713
Product description	SK Chiller TopTherm, Stand alone, open, 5800/6483 BTU/h, 230 V, 1~, 50/60 Hz, WHD: 600 x 400 x 430 mm

Approvals

Explanations	Declaration of conformity Declaration of conformity - F-gas regulation