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SK 3335.870 TopTherm chillers

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FRIEDHELM LOH GROUP



SK 3335.870 - TopTherm chillers 8 – 25 kW

TopTherm chillers in a TS enclosure with a small footprint, perfect for integrating into an enclosure suite. Their modular design and dual-frequency compatibility make them extremely flexible. They also offer convenient servicing and protection against icing to ensure a high level of reliability.

Features

Model No.	SK 3335.870
Benefits	Modular design Small footprint Convenient servicing High reliability thanks to icing protection One version for two frequencies = international compatibility Fast availability, because the basic platform is available off the shelf
Colour	RAL 7035
Supply includes	Fully wired unit ready for connection with side panels and door 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: 20.8 kW Cooling output Tw10 Tu32/60 Hz: 23.8 kW
Total cooling output Tw18 / Tu32	Cooling output Tw18 Tu32/50 Hz: 25 kW Cooling output Tw18 Tu32/60 Hz: 27.6 kW
Rated operating voltage	400 V, 3~, 50 Hz 460 V, 3~, 60 Hz
Dimensions	Width: 1,205 mm Height: 2,140 mm Depth: 605 mm
Pump capacity (at 2.5 bar/50 Hz)	50 l/min
Pump capacity (at 2.5 bar/60 Hz)	85 l/min
Note	For 3335.880 and 3335.890, two metal filters are required

Features

Temperature control	Microcontroller control (factory setting +18 °C, differential value control also possible)
Operating temperature range	10 °C...43 °C
Operating temperature range of cooling medium	10 °C...25 °C
Temperature hysteresis	± 2 K
Refrigerant/cooling medium	Refrigerant: R410A Quantity: 4 kg Global Warming Potential (GWP): 2,088 CO2 equivalent (CO2e): 8.35 t
Power consumption Pel	At 50 Hz: 11.4 kW At 60 Hz: 13.9 kW
Rated current max.	At 50 Hz: 22.8 A At 60 Hz: 23.8 A
Water connections	G 1" internal thread
Number of cooling circuits	1
Tank	Volume: 150 l
Packs of	1 pc(s).
Weight/pack	374 kg
Net weight	370
Gross weight	390
Customs tariff number	84186900
EAN	4028177690073
ETIM 7.0	EC002516
ECLASS 8.0	27180713

Approvals

Explanations	Declaration of conformity
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Tender text

TopTherm chiller in TS enclosure

TopTherm chillers in TS enclosures with minimal floor space may be integrated perfectly into a bayed enclosure suite. Their modular design and the one-version for two frequencies concept make them very flexible. In addition they offer a high level of service-friendliness and reliability due to icing protection.

Total cooling capacity TW: 10 °C/TU= 32°C and 50 Hz:
20.8 kw

Total cooling capacity TW: 10 °C/TU= 32°C and 60 Hz:
23.8 kw

Total cooling capacity TW: 18 °C/TU= 32°C and 50 Hz:
25.0 kw

Total cooling capacity TW: 18 °C/TU= 32°C and 60 Hz:
27.6 kw

Pump capacity: 2.5 bar 50 Hz: 50l/min

Pump capacity: 2.5 bar 60 Hz: 85l/min

Power consumption: 50 Hz: 11.4 kW

Power consumption: 60 Hz: 13.9 kW

Rated operating voltage: 400-460 V, 50/60 Hz

Dimensions:[W x H x D] 1205 x 2140 x 605

Refrigerant: R410a

Temperature range: Ambience 10°C to 43°C

Temperature range: Setting range 10°C to 25°C

Temperature controle : Microcontroller control
factory setting 35°C

Protection category to EN 60 529/10.91 : IP 44

Weight: 374 kg

Colour: RAL 7035