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## SK 3334.600 TopTherm chillers

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FRIEDHELM LOH GROUP



# SK 3334.600 - 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 3334.600
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: 3.9 kW Cooling output Tw10 Tu32/60 Hz: 4.7 kW
Total cooling output Tw18 / Tu32	Cooling output Tw18 Tu32/50 Hz: 4.5 kW Cooling output Tw18 Tu32/60 Hz: 5.4 kW
Total cooling output to DIN EN 14511 Tw18 / Tu35	Cooling output Tw18 Tu35/50 Hz: 4.8 kW Cooling output Tw18 Tu35/60 Hz: 5.6 kW
Air throughput (unimpeded air flow)	At 50 Hz: 1,785 m <sup>3</sup> /h At 60 Hz: 1,785 m <sup>3</sup> /h
Rated operating voltage	400 V, 3~, 50 Hz 460 V, 3~, 60 Hz
Dimensions	Width: 602 mm Height: 676 mm Depth: 645 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 Quantity: 1.5 kg Global Warming Potential (GWP): 631 CO2 equivalent (CO2e): 0.94 t
Volumetric flow (cooling medium)	At 50 Hz: 20 l/min
Power consumption Pel	At 50 Hz: 2.38 kW At 60 Hz: 3.24 kW
Rated current max.	At 50 Hz: 5.6 A At 60 Hz: 6.15 A
Energy efficiency ratio (EER) 50 Hz Tw18/Tu35 DIN EN 14511	2.26
Water circuit	Open
Water connections	G ½" internal thread
Number of cooling circuits	1
Tank	Material: PP plastic Volume: 30 l
Packs of	1 pc(s).
Net weight	94 kg
Gross weight	104 kg
Customs tariff number	84186900
ETIM 9	EC002516
ETIM 8	EC002516
ECLASS 8.0	27180713
Product description	SK Chiller TopTherm, standalone, open, 4.8/5.6 kW, 400-460 V, 3~, 50/60 Hz, WHD: 602 x 676 x 645 mm

# Approvals

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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 4.8/5.6 kw

Air throughput unimpeded airflow: 1785 m<sup>3</sup>/h

Rated operating voltage: 400 V, 50/60 Hz / 460 V, 60 Hz, 3~

Dimensions [W x H x D]: 602 x 676 x 645

Refrigerant: R-513A / 1500 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: 94 kg

Colour: RAL 7035