

# Rittal – The System.

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## SK 3335.960

## VX25 TopTherm chiller

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IT INFRASTRUCTURE

SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



# SK 3335.960 - VX25 TopTherm chiller 8 - 20 kW

VX25 TopThem chillers are compact in design yet have a wide range of cooling applications. They fit perfectly with all enclosures, have a minimum footprint, promise increased efficiency and are instantly available from stock.



## Features

|  |  |
|--|--|
| Model No.  | SK 3335.960  |
| Product description                              | VX25 TopTherm chillers are compact in design and cover a diversity of applications. They integrate perfectly with the enclosure – as series products promising a minimised footprint, increased efficiency and fast availability.  |
| Benefits   | A single housing size for four output categories<br>Carbon footprint is reduced by up to 35%<br>Reduced volume of refrigerant, thanks to microchannel technology<br>Remote monitoring pre-integrated into the base unit<br>Integrated safety functions create enhanced safety<br>Minimum footprint<br>Convenient servicing |
| Material   | Sheet steel  |
| Colour   | RAL 7035   |
| Supply includes                                  | Fully wired unit ready for connection with side panels and door  |
| Protection category to IEC 60 529                | IP 44 (electrics)  |
| Total cooling output to DIN EN 14511 Tw18 / Tu35 | Cooling output Tw18 Tu35/50 Hz: 19.4 kW<br>Cooling output Tw18 Tu35/60 Hz: 21.2 kW   |
| Air throughput (unimpeded air flow)              | At 50 Hz: 6,000 m <sup>3</sup> /h<br>At 60 Hz: 7,200 m <sup>3</sup> /h   |

# Features

|   |   |
|---|---|
| Rated operating voltage                                       | 400 V, 3~, 50 Hz<br>460 V, 3~, 60 Hz  |
| Dimensions  | Width: 808 mm<br>Height: 2,238 mm<br>Depth: 608 mm  |
| Note  | Regular leak tests are not prescribed by law.   |
| Noise level   | 75,6 dB(A)  |
| Temperature control   | e-controller (factory setting +18 °C)   |
| Operating temperature range                                   | 10 °C...43 °C   |
| Operating temperature range of cooling medium                 | 10 °C: 25 °C  |
| Temperature hysteresis  | ± 1 K   |
| Refrigerant/cooling medium                                    | Refrigerant: R-513A<br>Quantity: 2.9 kg<br>Global Warming Potential (GWP): 631<br>CO2 equivalent (CO2e): 1.83 t |
| Pump pressure   | At 50 Hz: 2.3 bar<br>At 60 Hz: 3.6 bar  |
| Power consumption of cooling medium pump 50/60 Hz             | 1.35 / 1.93   |
| Volumetric flow (cooling medium)                              | At 50 Hz: 55 l/min<br>At 60 Hz: 60 l/min  |
| Power consumption Pel   | At 50 Hz: 9.58 kW<br>At 60 Hz: 11.9 kW  |
| Rated current max.  | At 50 Hz: 19.1 A<br>At 60 Hz: 19.45 A   |
| Energy efficiency ratio (EER) 50 Hz<br>Tw18/Tu35 DIN EN 14511 | 2,5   |
| Water connections   | R 1" internal thread  |
| Number of cooling circuits                                    | 1   |
| Tank  | Material: PP plastic<br>Volume: 75 l  |

# Features

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|                       |   |
|-----------------------|---|
| Operating weight      | 380 kg  |
| Packs of              | 1 pc(s).  |
| Net weight            | 262,5 kg  |
| Gross weight          | 298,5 kg  |
| Customs tariff number | 84186900  |
| ETIM 9                | EC002516  |
| ETIM 8                | EC002516  |
| ECLASS 8.0            | 27180713  |
| Product description   | SK Chiller TopTherm, in a VX25 housing, 19.4/21.2 kW, 400 – 460 V, 3~, 50/60 Hz, WHD: 808 x 2238 x 608 mm |

# Approvals

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