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SK 3335.950 VX25 TopTherm chiller

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SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



SK 3335.950 - 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 3335.950 |
| 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 Carbon footprint is reduced by up to 35% Reduced volume of refrigerant, thanks to microchannel technology Remote monitoring pre-integrated into the base unit Integrated safety functions create enhanced safety Minimum footprint 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 Tw10 / Tu32 | Cooling output Tw10 Tu32/50 Hz: 13.8 kW Cooling output Tw10 Tu32/60 Hz: 15.2 kW |
| Total cooling output Tw18 / Tu32 | Cooling output Tw18 Tu32/50 Hz: 16 kW Cooling output Tw18 Tu32/60 Hz: 17.6 kW |

Features

| | |
|--|--|
| Total cooling output to DIN EN 14511 Tw18 / Tu35 | Cooling output Tw18 Tu35/50 Hz: 15.6 kW Cooling output Tw18 Tu35/60 Hz: 17 kW |
| Air throughput (unimpeded air flow) | At 50 Hz: 6,000 m ³ /h At 60 Hz: 7,200 m ³ /h |
| Rated operating voltage | 400 V, 3~, 50 Hz 460 V, 3~, 60 Hz |
| Dimensions | Width: 808 mm Height: 2,238 mm 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: R410A Quantity: 1.4 kg Global Warming Potential (GWP): 2,088 CO ₂ equivalent (CO ₂ e): 4.8 t |
| Pump pressure | At 50 Hz: 2.5 bar At 60 Hz: 2.5 bar |
| Power consumption of cooling medium pump 50/60 Hz | 0.67 / 1.06 |
| Volumetric flow (cooling medium) | At 50 Hz: 35 l/min At 60 Hz: 63 l/min |
| Power consumption Pel | At 50 Hz: 7.11 kW At 60 Hz: 8.82 kW |
| Rated current max. | At 50 Hz: 12.9 A At 60 Hz: 12.6 A |
| Start-up current max. | At 50 Hz: 65 A At 60 Hz: 62.8 A |

Features

Energy efficiency ratio (EER) 50 Hz 2.7
Tw18/Tu35 DIN EN 14511

Water connections R 1" internal thread

Number of cooling circuits 1

Tank Material: PP plastic
Volume: 75 l

Operating weight 357 kg

Packs of 1 pc(s).

Weight/pack 282 kg

Net weight 252

Gross weight 260

Customs tariff number 84186900

EAN 4028177953475

ETIM 8 EC002516

ETIM 7.0 EC002516

ECLASS 8.0 27180713

Approvals

Explanations Declaration of conformity - F-gas regulation

Tender text

VX25 Chiller TopTherm 8-20 kW

VX25 TopTherm chillers are compact in design and versatile in application. Chillers and cabinets fit together perfectly - with a minimum footprint, increased efficiency and fast availability in series.

Total cooling output W10 U32: 13.8/15.2 kW

Total cooling output W18 U32: 16.0/17.6 kW

Total cooling output W18 U35 according to DIN EN 14511: 15.6/17.0 kW

Power consumption 50/60 Hz: 7.11/8.82 kW

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

Dimensions [WxHxD]: 808x2238x608 mm

Start-up current 50/60 Hz: 65.0/62.8 A

Rated current (max.) 50/60 Hz: 12.9/12.6 A

Temperature control: e-controller (factory setting +18 °C)

Operating temperature range: +10°C to +43°C

Operating temperature range cooling medium: +10°C to +25°C

Temperature hysteresis: ± 1 K

Refrigerant/quantity: R410a, 1400 g

GWP/CO2 equivalent: 2088/4,8 t

Water connections: R 1" IG

Pump pressure (max.): 2.5/2.5 bar

Power consumption cooling medium pump 50/60 Hz: 0,67/1,06 kW

Volumetric flow (cooling medium) 50/60 Hz: 35/63 l/min

Air throughput (unimpeded air flow): 6000/7200 m³/h

Tank material: PP plastic

Tank volume: 75 l

Noise level: 75.6 dB(A)

Colour: RAL 7035

Protection category to IEC 60 529: IP 44 (electrics)

Operating weight: 357 kg

Note: Regular leak tests are not prescribed by law.