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Rittal – The System.
Faster – better – worldwide.

Control module
- One version for two frequencies 400 V/50 Hz, 460 V/60 Hz
- Temperature control by way of fixed or differential values, switchable

Chiller module
- Air intake at rear, optionally also on left or right for the 8, 12 and 16 kW versions
- Refrigerant R410A
- Simple exchanging of modules with different outputs

Water module
- Water bypass as standard
- Flow monitor as standard
- Simple exchanging of modules of different capacities

Industrial enclosures
Power distribution
Electronic packaging
System climate control
IT systems
Service
Standardised modular design for faster availability

TopTherm chiller

Benefits:
- Modular design
- Small footprint
- Convenient servicing
- High-output limits to standard water bypass
- One version for two frequencies, international compatibility
- Rittal products available from stock
- Easy assembly, air filters and full modules, also single
- Capable of being connected as a modular system

Supply includes:
- Complete and ready for connection
- 6 = Width
- 7 = Height
- 8 = Depth

Cooling output: 8 – 40 kW

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Cooling output 8°C/10°C</th>
<th>Cooling output 18°C/32°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>SK 3335.600</td>
<td>6.9/7.6 kW</td>
<td>8/8.8 kW</td>
</tr>
<tr>
<td>SK 3335.610</td>
<td>10.3/11.3 kW</td>
<td>12/13.1 kW</td>
</tr>
<tr>
<td>SK 3335.620</td>
<td>13.8/15.2 kW</td>
<td>16/17.6 kW</td>
</tr>
<tr>
<td>SK 3335.630</td>
<td>17.2/18.9 kW</td>
<td>20/21.8 kW</td>
</tr>
<tr>
<td>SK 3335.640</td>
<td>21.6/23.8 kW</td>
<td>25/27.6 kW</td>
</tr>
<tr>
<td>SK 3335.650</td>
<td>27.6/30.4 kW</td>
<td>32/35.2 kW</td>
</tr>
<tr>
<td>SK 3335.660</td>
<td>34.5/38 kW</td>
<td>40/44 kW</td>
</tr>
</tbody>
</table>

Power consumption max.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Power consumption max. 8°C/10°C</th>
<th>Power consumption max. 18°C/32°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>SK 3335.600</td>
<td>3.4/4.0 kW</td>
<td>5.9/6.4 kW</td>
</tr>
<tr>
<td>SK 3335.610</td>
<td>5.9/6.4 kW</td>
<td>8.0/9.9 kW</td>
</tr>
<tr>
<td>SK 3335.620</td>
<td>6.7/8.0 kW</td>
<td>10.5/12.9 kW</td>
</tr>
<tr>
<td>SK 3335.630</td>
<td>8.0/9.9 kW</td>
<td>13.5/15.9 kW</td>
</tr>
<tr>
<td>SK 3335.640</td>
<td>10.5/12.9 kW</td>
<td>16.0/19.8 kW</td>
</tr>
</tbody>
</table>

Rated current max.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Rated current max. 8°C/10°C</th>
<th>Rated current max. 18°C/32°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>SK 3335.600</td>
<td>6.4/5.7 A</td>
<td>8.2/9.5 A</td>
</tr>
<tr>
<td>SK 3335.610</td>
<td>8.2/9.5 A</td>
<td>11.1/11.3 A</td>
</tr>
<tr>
<td>SK 3335.620</td>
<td>11.1/11.3 A</td>
<td>15.9/13.9 A</td>
</tr>
<tr>
<td>SK 3335.630</td>
<td>15.9/13.9 A</td>
<td>20.3/20.7 A</td>
</tr>
<tr>
<td>SK 3335.640</td>
<td>20.3/20.7 A</td>
<td>22.2/22.6 A</td>
</tr>
<tr>
<td>SK 3335.650</td>
<td>22.2/22.6 A</td>
<td>31.7/27.9 A</td>
</tr>
</tbody>
</table>

Refrigerant: R410A

Number of cooling circuits: 12

Temperature range – environment: +10°C to +43°C

Temperature range – water: +7°C to +25°C

Pump capacity at 2.5 bar

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Pump capacity 50/60 Hz</th>
<th>Pump capacity 35/70</th>
<th>Pump capacity 30/85</th>
<th>Pump capacity 50/140</th>
<th>Pump capacity 60/40 (at 60 Hz 3.7 bar)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SK 3335.600</td>
<td>50/60 Hz</td>
<td>35/70</td>
<td>30/85</td>
<td>50/140</td>
<td>60/40 (at 60 Hz 3.7 bar)</td>
</tr>
</tbody>
</table>

Tank capacity: 80 l, 135 l

Water connections: 1˝, 11/4˝

Weight (empty):

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Weight (empty)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SK 3335.600</td>
<td>250 kg</td>
</tr>
<tr>
<td>SK 3335.610</td>
<td>270 kg</td>
</tr>
<tr>
<td>SK 3335.620</td>
<td>325 kg</td>
</tr>
<tr>
<td>SK 3335.630</td>
<td>470 kg</td>
</tr>
<tr>
<td>SK 3335.640</td>
<td>500 kg</td>
</tr>
<tr>
<td>SK 3335.650</td>
<td>580 kg</td>
</tr>
<tr>
<td>SK 3335.660</td>
<td>940 kg</td>
</tr>
</tbody>
</table>

Colour: RAL 7035

Protection category (electrics): IP 44

Temperature control: Microcontroller control (factory setting +18°C, differential value control also possible)

Accessories:
- Packs of air filters
- Levelling feet
- Levelling feet with vibration dampening
- Base/plinth components
- Base/plinth trim panels
- Rifrost canister

Barrel: 200 l

We reserve the right to make technical modifications.

1) Without pump heat losses.

2) 2 packs

Enclosure suits: Two modules can be combined into a suite to double the cooling capacity. Integration into existing enclosure suites is possible.

Photo shows a configuration example with equipment not included in the scope of supply.
Control module
- One version for two frequencies 400 ±5 Hz, 460 ±5 Hz
- Temperature control by way of fixed or differential values, switchable

Chiller module
- Air intake at rear, optionally also on left or right for the 8, 12 and 16 kW versions
- Refrigerant R410A
- Simple exchanging of modules with different outputs

Water module
- Water bypass as standard
- Flow monitor as standard
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**TopTherm chiller**

**Summary**
- Standardised modular design
- Faster availability

**Cooling output** 8 – 40 kW

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Cooling output Tw = 10°C/Tu = 32°C</th>
<th>Cooling output Tw = 18°C/Tu = 32°C</th>
<th>Power consumption max. kW</th>
<th>Rated current max. A</th>
</tr>
</thead>
<tbody>
<tr>
<td>SK 3335.600</td>
<td>6.9/7.6 kW</td>
<td>8/8.8 kW</td>
<td>3.4/4.0</td>
<td>6.4/5.7</td>
</tr>
<tr>
<td>SK 3335.610</td>
<td>10.3/11.3 kW</td>
<td>12/13.1 kW</td>
<td>5.9/6.4</td>
<td>8.2/9.5</td>
</tr>
<tr>
<td>SK 3335.620</td>
<td>13.8/15.2 kW</td>
<td>16/17.6 kW</td>
<td>6.7/8.0</td>
<td>11.1/11.3</td>
</tr>
<tr>
<td>SK 3335.630</td>
<td>17.2/18.9 kW</td>
<td>20/21.8 kW</td>
<td>8.0/9.9</td>
<td>15.9/13.9</td>
</tr>
<tr>
<td>SK 3335.640</td>
<td>21.6/23.8 kW</td>
<td>25/27.6 kW</td>
<td>10.5/12.9</td>
<td>20.3/20.7</td>
</tr>
<tr>
<td>SK 3335.650</td>
<td>27.6/30.4 kW</td>
<td>32/35.2 kW</td>
<td>13.5/15.9</td>
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</tr>
<tr>
<td>SK 3335.660</td>
<td>34.5/38 kW</td>
<td>40/44 kW</td>
<td>16.0/19.8</td>
<td>31.7/27.9</td>
</tr>
</tbody>
</table>

**Dimensions (mm)**
- **B (Width)**: 805, 1205, 1610, 2410
- **H (Height)**: 2000
- **T (Depth)**: 805, 1052, 1052, 1100

**Temperature ranges**
- **Environment**: +10°C to +43°C
- **Water**: +7°C to +25°C

**Additional features**
- **Modular design**
- **Small footprint**
- **Convenient servicing**
- **High reliability thanks to standard water bypass**
- **One version for two frequencies = international compatibility**
- **Series product available from stock**
- **Fast delivery, as pre-assembled modules can simply be combined into a recooling system**

**Supply includes**
- Complete unit ready for connection

**Accessories**
- Air filter packs
- Levelling feet
- Base/plinth components
- Rifrost canisters

**Photo**
- Shows a configuration example with equipment not included in the scope of supply.

**Enclosure suites**
- Two modules can be combined into a suite to double the cooling capacity.
- Integration into existing enclosure suites is possible.

**Notes**
- Benefits:
  - Modular design
  - Small footprint
  - Convenient servicing
  - High reliability thanks to standard water bypass
  - One version for two frequencies = international compatibility
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**Technical specifications**

**Cooling output**
- 8 kW
- 10 kW
- 12 kW
- 16 kW
- 20 kW
- 25 kW
- 32 kW
- 40 kW

**Power consumption**
- 3.4 kW
- 5.9 kW
- 6.7 kW
- 8 kW
- 10.5 kW
- 13.5 kW
- 16 kW
- 19.8 kW

**Rated current**
- 6.4 A
- 8.2 A
- 11.1 A
- 15.9 A
- 20.3 A
- 22.2 A
- 31.7 A
- 27.9 A

**Refrigerant**
- R410A

**Number of cooling circuits**
- 12

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- Microcontroller control (factory setting +18°C, differential control also possible)

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**TopTherm chiller**

**Standardised modular design for faster availability**

**Cooling output 8 – 40 kW**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>SK</th>
<th>Rated operating voltage V, Hz</th>
<th>Dimensions mm</th>
<th>Cooling output1) at Tw = 10°C/Tu = 32°C</th>
<th>Cooling output1) at Tw = 18°C/Tu = 32°C</th>
<th>Power consumption max. kW</th>
<th>Rated current max. A</th>
<th>Refrigerant</th>
<th>Number of cooling circuits</th>
<th>Temperature range – environment</th>
<th>Temperature range – water</th>
<th>Pump capacity at 2.5 bar (l/min.) 50/60 Hz</th>
<th>Tank capacity l</th>
<th>Water connections</th>
<th>Weight (empty) kg</th>
<th>Colour</th>
<th>Protection category (electrics)</th>
<th>Temperature control</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

1) Without pump heat losses.

2) 2 packs

**Benefits:**

- Modular design
- Small footprint
- Convenient servicing
- High reliability thanks to standard water bypass
- On
- Series
- Series

**Photo shows a configuration example with equipment no.**

Chiller module with air intake from the left

Chiller module with air intake from the rear

Chiller module with air intake from the right

Enclosure suits

Two modules can be combined into a suite to double the cooling capacity. Integration into existing enclosure suites is possible.

- Air filter
- Levelling feet
- Recessed trim panels, front and rear
- Pull-out trim panels, side

- Chiller
- Stand

*We reserve the right to make technical modifications.*

*Photo shows a configuration example with equipment no.*
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- System climate control
- IT systems
- Service