Rittal – The System.
Faster – better – worldwide.

Maximum efficiency, reduced costs, energy savings. Rittal’s strategy says think in terms of system solutions and provide a system for all applications – from power distribution and automation, to building installation, through to the IT infrastructure.

And offer your customers unprecedented benefits.

- Industrial enclosures
- Power distribution
- Electronic packaging
- System climate control
- IT systems
- Service

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
Standardised modular design for faster availability

TopTherm chiller

- Modular design
- Small footprint
- Convenient servicing
- High-quality frame to ensure long-term stability

Supply includes:
- Complete and ready for connection
- B x Width
- T x Height

Cooling output 8 – 40 kW

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Cooling output at Tw = 10°C/Tu = 32°C</th>
<th>Cooling output at 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>
<td>22.2/22.6</td>
</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>

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

Dimensions mm:
- W
- H
- D

- SK 3335.600: 805 x 2000 x 805
- SK 3335.610: 805 x 2000 x 1205
- SK 3335.620: 805 x 2000 x 1610
- SK 3335.630: 805 x 2000 x 2410

Cooling output 1) without pump heat losses.

Power consumption max. kW: 3.4/4.0 5.9/6.4 6.7/8.0 8.0/9.9 10.5/12.9 13.5/15.9 16.0/19.8

Rated current max. A: 6.4/5.7 8.2/9.5 11.1/11.3 15.9/13.9 20.3/20.7 22.2/22.6 31.7/27.9

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 (L/min.): 50/60 Hz 35/70 30/85 50/140 60/40 (at 60 Hz 3.7 bar)

Tank capacity l: 80 135

Water connections: 1˝ 1 1/4˝

Weight (empty): 250 270 325 470 500 580 940

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 filter
- Levelling feet
- Levelling feet with vibration dampening
- Base/plinth components front and rear 100 mm
- Base/plinth components side 100 mm
- Base/plinth trim panels, side 100 mm
- Rifrost Canister 10 l
- Rifrost Canister 25 l
- Rifrost Canister 200 l

We reserve the right to make technical modifications.

1) Without pump heat losses.

2) 2 packs

Benefits:
- Modular design
- Small footprint
- Convenient servicing
- High-quality frame to ensure long-term stability
- 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

Enclosure suits

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

Photo shows a configuration example with equipment not included in the scope of supply.

Chiller module with air intake from the left

Chiller module with air intake from the rear

Chiller module with air intake from the right
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
TopTherm chiller

**Benefits:**
- 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:**
- Controls and ready for connection

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

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### TopTherm chiller

**Cooling output** 8 – 40 kW

<table>
<thead>
<tr>
<th>Temperature range (°C)</th>
<th>Cooling output @ 10°C TW</th>
<th>Cooling output @ 18°C TW</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.9/10.3 kW (8 – 9 kW)</td>
<td>8.9/10.3 kW (8 – 9 kW)</td>
<td></td>
</tr>
<tr>
<td>10.8/12.0 kW (10 – 12 kW)</td>
<td>10.8/12.0 kW (10 – 12 kW)</td>
<td></td>
</tr>
<tr>
<td>13.0/15.2 kW (12 – 14 kW)</td>
<td>13.0/15.2 kW (12 – 14 kW)</td>
<td></td>
</tr>
<tr>
<td>16.4/18.9 kW (15 – 18 kW)</td>
<td>16.4/18.9 kW (15 – 18 kW)</td>
<td></td>
</tr>
<tr>
<td>20.3/23.8 kW (18 – 22 kW)</td>
<td>20.3/23.8 kW (18 – 22 kW)</td>
<td></td>
</tr>
<tr>
<td>27.6/30.4 kW (22 – 26 kW)</td>
<td>27.6/30.4 kW (22 – 26 kW)</td>
<td></td>
</tr>
<tr>
<td>34.5/38 kW (26 – 30 kW)</td>
<td>34.5/38 kW (26 – 30 kW)</td>
<td></td>
</tr>
</tbody>
</table>

**Power consumption max. kW**
- 3.4/4.0
- 5.9/6.4
- 6.7/8.0
- 8.0/9.9
- 10.5/12.9
- 13.5/15.9
- 16.0/19.8

**Rated current max. A**
- 6.4/5.7
- 8.2/9.5
- 11.1/11.3
- 15.9/13.9
- 20.3/20.7
- 22.2/22.6
- 31.7/27.9

**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 (l/min.)**
- 50/60 Hz 35/70
- 45/55
- 50/140
- 60/40 (at 60 Hz 3.7 bar)

**Tank capacity l**
- 80
- 135

**Water connections**
- 1˝
- 11/4˝

**Weight (empty) kg**
- 250
- 270
- 325
- 470
- 500
- 580
- 940

**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 filter 1 3286.530 3286.540
- 2 packs of Air filter 2) 3286.540
- 4 Levelling feet 7493.100
- 4 Levelling feet with vibration dampening 7493.230
- 100 mm Base/plinth components front and rear 8601.805
- 200 mm Base/plinth trim panels, side 8602.805
- Rifrost Canister 10 l 3301.960
- 25 l 3301.965
- 200 l 3301.967

We reserve the right to make technical modifications.

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**Cooling output**

- 8 kW @ 10°C TW
- 10 kW @ 18°C TW
- 13 kW @ 32°C TW

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**Dimensions mm**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>SK 3335.600</th>
<th>SK 3335.610</th>
<th>SK 3335.620</th>
<th>SK 3335.630</th>
<th>SK 3335.640</th>
<th>SK 3335.650</th>
<th>SK 3335.660</th>
</tr>
</thead>
<tbody>
<tr>
<td>W</td>
<td>805</td>
<td>805</td>
<td>805</td>
<td>805</td>
<td>805</td>
<td>805</td>
<td>805</td>
</tr>
<tr>
<td>D</td>
<td>1205</td>
<td>1610</td>
<td>2410</td>
<td>1610</td>
<td>1205</td>
<td>2410</td>
<td>1610</td>
</tr>
</tbody>
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---

1) Without pump heat losses.
2) 2 packs
Standardised modular design for faster availability

TopTherm chiller

Benefits:
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Rittal – TopTherm chiller

Cooling output 8 – 40 kW

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

Pac
Air filter
Levelling feet
Levelling feet with vibration dampening
Baseplate/trim panels, front and rear
Baseplate/trim panels, side
Weld

1) Without pump heat losses.

Chiller module with air intake from the left
The variable air intake enables the chiller to be matched optimally to local circumstances at the place of installation.

Chiller module with air intake from the rear

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

Chiller module with air intake from the right

Photo shows a configuration example with equipment no.

Chiller module with air intake from the left
Maximum efficiency, reduced costs, energy savings. Rittal’s strategy says think in terms of system solutions and provide a system for all applications – from power distribution and automation, to building installation, through to the IT infrastructure.

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