

# Rittal – TopTherm chiller



System Climate Control

FRIEDHELM LOH GROUP



# Standardised modular design for faster availability



### 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

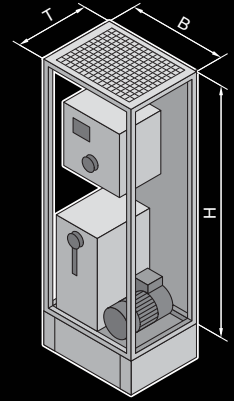


### Water module

- 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:

Complete unit ready for connection.

B = Width  
H = Height  
T = Depth

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

## Cooling output 8 – 40 kW

Model No. SK	3335.600	3335.610	3335.620	3335.630	3335.640	3335.650	3335.660
Rated operating voltage V, Hz	400, 3~, 50 Hz/460, 3~, 60 Hz						
Dimensions mm	W	805			1205	1610	2410
	H	2000			2000	2000	2000
	D	805			805	805	805
<b>Cooling output<sup>1)</sup> at T<sub>w</sub> = 10°C/T<sub>u</sub> = 32°C</b>	<b>6.9/7.6 kW</b>	<b>10.3/11.3 kW</b>	<b>13.8/15.2 kW</b>	<b>17.2/18.9 kW</b>	<b>21.6/23.8 kW</b>	<b>27.6/30.4 kW</b>	<b>34.5/38 kW</b>
<b>Cooling output<sup>1)</sup> at T<sub>w</sub> = 18°C/T<sub>u</sub> = 32°C</b>	<b>8/8.8 kW</b>	<b>12/13.1 kW</b>	<b>16/17.6 kW</b>	<b>20/21.8 kW</b>	<b>25/27.6 kW</b>	<b>32/35.2 kW</b>	<b>40/44 kW</b>
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	1					2	
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) kg	250	270	325	470	500	580	940
Colour	RAL 7035						
Protection category (electronics)	IP 44						
Temperature control	Microcontroller control (factory setting +18°C, differential value control also possible)						
<b>Accessories</b>	<b>Packs of</b>						
Air filter	1	3286.530			3286.540	3286.530 <sup>2)</sup>	3286.540 <sup>2)</sup>
Levelling feet	4	7493.100					
Levelling feet with vibration dampening	4	7493.230					
Base/plinth components front and rear	100 mm	8601.805					
	200 mm	8602.805					
Base/plinth trim panels, side	100 mm	8601.085					
	200 mm	8602.085					
Rifrost	Canister	10 l	3301.960				
		25 l	3301.965				
		200 l	3301.967				

We reserve the right to make technical modifications.

<sup>1)</sup> Without pump heat losses.

<sup>2)</sup> 2 packs



# TopTherm chiller



## 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



## 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.

# 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



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