

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

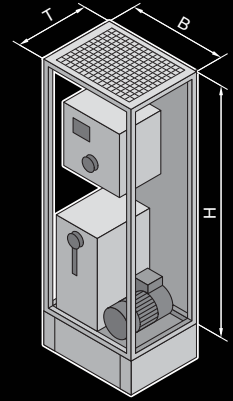


Water module

- 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
Cooling output¹⁾ at T_w = 10°C/T_u = 32°C	6.9/7.6 kW	10.3/11.3 kW	13.8/15.2 kW	17.2/18.9 kW	21.6/23.8 kW	27.6/30.4 kW	34.5/38 kW
Cooling output¹⁾ at T_w = 18°C/T_u = 32°C	8/8.8 kW	12/13.1 kW	16/17.6 kW	20/21.8 kW	25/27.6 kW	32/35.2 kW	40/44 kW
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)						
Accessories	Packs of						
Air filter	1	3286.530		3286.540		3286.530 ²⁾	3286.540 ²⁾
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.

¹⁾ Without pump heat losses.

²⁾ 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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