SEE Rack CH-C

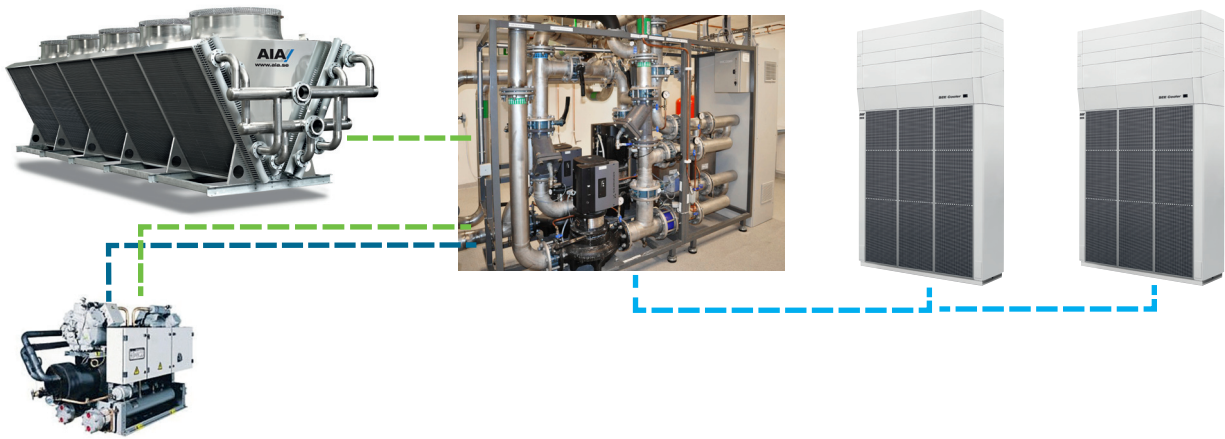*World's Greenest Cooling Solution*

Power Consumption vs. Competition

MWh/year

250 kW Data center

Free cooling systems

1800	
1600	
1400	
1200	
1000	
800	
600	
400	
200	
0	

Traditional   Best Practice   SEE CH-C

see
COOLING

	Main Circuit						Peak Coolant Circuit						Dry Cooler Circuit						Peak Coolant Circuit 2					
	Power input	Coolant flow	External pressure	Rated capacity	Max Current	Dimension	Power input	Coolant flow	External pressure	Rated capacity	Max Current	Dimension	Power input	Coolant flow	External pressure	Rated capacity	Max Current	Dimension	Power input	Coolant flow	External pressure	Rated capacity	Max Current	Dimension
Modell	kW	l/s	kPa	kW	A	DN	kW	l/s	kPa	kW	A	DN	kW	l/s	kPa	kW	A	DN	kW	l/s	kPa	kW	A	DN
SEE Rack CH-C 10	1,8	10	80	2,2	4,6	100	1,8	10	90	2,2	4,6	100	1,8	10	80	2,2	4,6	100	1,8	10	80	2,2	4,6	100
SEE Rack CH-C 20	4,0	20	93	4,0	8,1	100	4,0	20	108	4,0	8,1	100	4,2	20	95	4,0	8,1	100	4,0	20	95	4,0	8,1	100

SEE Rack CH-C, a SEE Cooling Concept Solution with Chillers for peak load cooling. The dry coolers are in operation for free cooling and in the same dry cooler circuit for condensing heat dissipation from the chillers. It is available in different sizes and with a variety of options.
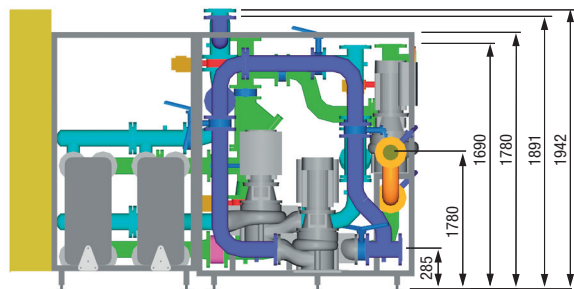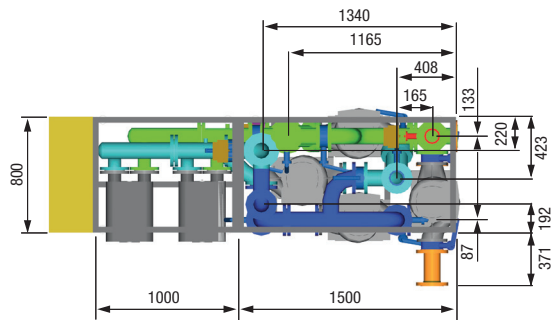
The main control logic is integrated into the SEE Rack, it controls all functions and manages all optional add-on products in the installation.

The product is a prefabricated unit that replaces the construction of a traditional Cooling distribution centre. It is designed for reliability and has inherent redundancy while still optimised to use an absolute minimum of energy.
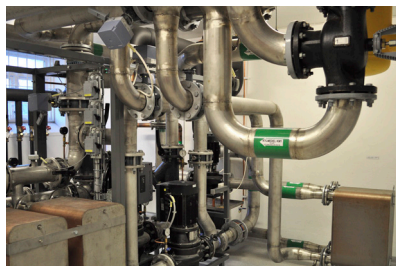
SEE Rack CH-C is a complete unit containing the pumps, heat exchangers, control valves, valves, filters and control logic needed for efficient and safe operation.

SEE Rack CH-C connects to SEE Coolers, dry coolers, chillers and electricity as well as maintenance and security systems.

The product has built-in redundancy and a power range from 60-750 kW. It achieves COP 43, excluding peak load cooling during the summer.

SEE Rack CH-C 20

PRETEC
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