



INDUSTRIAL LIQUID COOLING

SEIFERT SYSTEMS
THERMAL MANAGEMENT FOR ENCLOSURES AND MACHINERY



SOLITHERM CHILL

Industrial liquid cooling

Our new CHILLER series sets a standard for industrial applications: three different heights with eight different cooling capacities, always with the same basic foot print (595 x 595 mm), allows a maximum of possibilities for industrial process and machine cooling.

SOLITHERM CHILL are available as:

- Air cooled
- Water cooled
- Passive water cooled

We offer 2 different models: **Standard** with a control accuracy of 2 K and **Precision** with a control accuracy of 0.5 K.

Further options such as a larger pump with 5 bar, pressure relief valves, air filters, castor wheels, various industrial plugs, as well as models for outdoor and high ambient temperatures are also available.

The cooling capacity of our chillers ranges from 2,000 W to 12,000 W. All models have the same design, with identical connections and the same operating philosophy and are absolutely user-friendly.

By connecting to an APP, you have the possibility to access a device at any time and read or configure various parameters.

We also offer SOLITHERM CHILL with speed-controlled compressors and fans. This technology enables precise temperature control of the cooling medium, with excellent efficiency values.

From the simple cooling of an individual machine, the additional connection of a heat exchanger to the cooling of a spindle, our chillers can be used in many areas and can if necessary also be optimised for specific applications.

Our SLIMLINE HEX air / water heat exchangers can be easily and quickly connected to our chillers.

Model	RC 6502				RC 6503			
Part number	6502003001	6502203001	6502001001	6502201001	6503003001	6503203001	6503001001	6503201001
Configuration	Standard		Precision		Standard		Precision	
Cooling capacity W18L35 ¹⁾	2,000 / 2,200 W				3,000 / 3,300 W			
Control accuracy	2k		0.5k		2k		0.5k	
Coolant	Water-Ethylen Glycol mix, min. 20%, max. 40%							
Tank capacity	16 l							
Refrigerant	R513A / R134A (GWP 631 / 1430)							
Nominal outlet pressure ¹⁾	2.5 / 3.7 bar @ 15 l/min							
Operating temperature (coolant)	13°C - 25°C							
Operating temperature (ambient)	10°C - 50°C							
Dimension W x D x H mm	595 x 595 / 615 x 590 / 650 (incl. fan)							
Weight	80 kg							
ELECTRICAL DATA								
Voltage	230 V ~	400/460 V 3~	230 V ~	400/460 V 3~	230 V ~	400/460 V 3~	230 V ~	400/460 V 3~
Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Power consumption ¹⁾	1,160 / 1,600 W				1,400 / 1,900 W			
Max. Power consumption ¹⁾	1,350 / 1,830 W				1,600 / 2,100 W			
Max. current ¹⁾	5.9 / 8.1 A	3.1 / 3.2 A	5.9 / 8.1 A	3.1 / 3.2 A	8.6 / 10.4 A	3.6 / 3.7 A	8.6 / 10.4 A	3.6 / 3.7 A
Circuit breaker	Type C 10 A	Type C 3x6 A	Type C 10 A	Type C 3x6 A	Type C 16 A	Type C 3x6 A	Type C 16 A	Type C 3x6 A
Protection class IEC 60529	IP 54							
Certification	CE / UL508A							

¹⁾ Values for 50/60 Hz

Model	RC 6504				RC 6505		RC 6507	
Part number	6504003001	6504203001	6504001001	6504201001	6505203001	6505201001	6507203001	6507201001
Configuration	Standard		Precision		Standard	Precision	Standard	Precision
Cooling capacity W18L35 ¹⁾	4,000 / 4,600 W				5,500 / 6,800 W		6,700 / 7,900 W	
Control accuracy	2k		0.5k		2k	0.5k	2k	0.5k
Coolant	Water-Ethylen Glycol mix, min. 20%, max. 40%							
Tank capacity	16 l				59 l			
Refrigerant	R513A / R134A (GWP 631 / 1430)				R513A (GWP 631)			
Nominal outlet pressure ¹⁾	2.5 / 3.7 bar @ 15 l/min.				3.0 / 5.0 bar @ 20 l/min.		2.5 / 5.0 bar @ 20 l/min.	
Operating temperature (coolant)	13°C - 25°C							
Operating temperature (ambient)	10°C - 50°C							
Dimension W x D x H mm	595 x 595 / 615 x 590 / 650 (incl. fan)				595 x 595 / 615 x 1,130 / 1,100 (incl. fan)			
Weight	80 kg				135 kg			
ELECTRICAL DATA								
Voltage	230 V ~	400/460 V 3~	230 V ~	400/460 V 3~	400/460 V 3~	400/460 V 3~	400/460 V 3~	400/460 V 3~
Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Power consumption ¹⁾	2,000 / 2,600 W				2,800 / 3,700 W		3,300 / 4,400 W	
Max. Power consumption ¹⁾	2,500 / 3,300 W				3,700 / 4,700 W		4,700 / 5,900 W	
Max. current ¹⁾	11.0 / 14.0 A	4.6 / 5.0 A	11.0 / 14.0 A	4.6 / 5.0 A	7.5 / 7.6 A	7.5 / 7.6 A	8.5 / 8.8 A	8.5 / 8.8 A
Circuit breaker	Type C 16 A	Type C 3x6 A	Type C 16 A	Type C 3x6 A	Type C 10 A	Type C 10 A	Type C 3x10 A	Type C 3x10 A
Protection class IEC 60529	IP 54							
Certification	CE / UL508A							

¹⁾ Values for 50/60 Hz

Model	RC 6508		RC 6510		RC 6512	
Part number	6508203001	6508201001	6510203001	6510201001	6512203001	6512201001
Configuration	Standard	Precision	Standard	Precision	Standard	Precision
Cooling capacity W18L35 ¹⁾	8,200 / 9,700 W		10,000 / 12,000 W		12,000 / 13,300 W	
Control accuracy	2k	0.5k	2k	0.5k	2k	0.5k
Coolant	Water-Ethylen Glycol mix, min. 20%, max. 40%					
Tank capacity	59 l					
Refrigerant	R513A (GWP 631)					
Nominal outlet pressure ¹⁾	2.5 / 5.0 bar @ 30 l/min					
Operating temperature (coolant)	13°C - 25°C					
Operating temperature (ambient)	10°C - 50°C					
Dimension W x D x H mm	595 x 595 / 615 x 1,130 / 1,100 (incl. fan)			595 x 595 / 615 x 1,436 / 1,505 (incl. fan)		
Weight	145 kg		150 kg		160 kg	
ELECTRICAL DATA						
Voltage	400/460 V 3~		400/460 V 3~		400/460 V 3~	
Frequency	50/60 Hz		50/60 Hz		50/60 Hz	
Power consumption ¹⁾	3,400 / 4,300 W		4,100 / 5,200 W		5,300 / 7,000 W	
Max. Power consumption ¹⁾	5,200 / 6,300 W		5,300 / 6,900 W		7,200 / 9,500 W	
Max. current ¹⁾	9.0 / 9.4 A		9.6 / 10.3 A		13.0 / 14.0 A	
Circuit breaker	Type C 3x10 A		Type C 3x16 A		Type C 3x20 A	
Protection class IEC 60529	IP 54					
Certification	CE / UL508A					

¹⁾ Values for 50/60 Hz

SEIFERT SYSTEMS GmbH**Germany**

Albert-Einstein-Str. 3
42477 Radevormwald
+49 2195 68994-0
info.de@seifertsystems.com

SEIFERT SYSTEMS Ltd.**Malta**

HF 09/10, Hal Far Ind. Estate
BBG 3000 Birzebbuga
+356 2220 7000
info@seifertsystems.com

SEIFERT SYSTEMS GmbH**Austria**

Bärnthäl 1
4901 Ottmang am Hausruch
+43 7676 207120
info.at@seifertsystems.com

SEIFERT SYSTEMS AG**Switzerland**

Wilerstraße 16
4563 Gerlafingen
+41 32 6753551
info.ch@seifertsystems.com

SEIFERT SYSTEMS Ltd.**Italy**

Sales office
26100 Cremona
+39 349 2594524
info.it@seifertsystems.com

SEIFERT SYSTEMS Ltd.**China**

Unit D8 on 14/F Mai Wah
Industrial Building
Nos.1/7 Wah Sing Street
Hongkong
+852 91629566
info@seifertsystems.cn

SEIFERT SYSTEMS Ltd.**Skandinavia / Baltic States**

Sales office
25421 Pinneberg
+49 2195 68994-40
info.sk@seifertsystems.com

SEIFERT SYSTEMS SA**France**

Wilerstraße 16
4563 Gerlafingen
+33 7 65298156
info.fr@seifertsystems.com

SEIFERT SYSTEMS Inc.**USA**

75 Circuit Dirve
North Kingstown, RI 02852
+1 401-294-6960
info.us@seifertsystems.com

C.D. Automation Pvt. Ltd.**India**

8, Parsee Church Street
Kolkata - 7000 001
+91 33 2215 7080
info@seifertsystems.com

SEIFERT SYSTEMS Pty Ltd.**Australia**

105 Lewis Road
Victoria 3152
+61 3 98011906
info@seifertsystems.com.au