



Flexible chiller HYFRA GCP-S

Technical Data Sheet 460V/60Hz

GCP-S is a chiller with an integrated tank, designed for reliable temperature control of your application.

⊕ Your benefits at a glance

Future-proof thanks to low-GWP refrigerant R513A

Meets upcoming EU^{a)} and US environmental regulations – already compliant today.

High energy efficiency

Complies with EU efficiency directives^{b)} → low operating costs over the entire life cycle.

Compact & performance-optimized

Space-saving design with high cooling capacity – optimized for industrial installation areas.

Modular platform and common component concept

High flexibility in configuration and fast spare-parts availability for service cases.

Logistics & safety

Air freight possible without hazardous goods declaration up to 12 kg. Easy installation without increased safety requirements.



Technical specifications HYFRA GCP-S

✓ **Power range:**
8 - 200 kW

✓ **Application:**
Water or water-glycol mixture

✓ **Footprint:**
8 - 28 kW: 737 x 737 mm
30 - 40 kW: 1,315 x 895 mm
50 - 80 kW: 1,315 x 1,105 mm
100 kW: 1,595 x 1,105 mm
130 - 170 kW: 2,858 x 1,105 mm
200 kW: 3,140 x 1,105 mm
Cooling capacities > 200 kW available on request

✓ **Optimized:**
A wide range of configuration and equipment options.

✓ **Utilisation:**
We operate in over 20 market segments, including machine tools, lasers, filtration, recycling, additive manufacturing and process cooling.



Technical data HYFRA GCP-S

- a) Voltage difference +/- 10 %; other voltage versions on request
- b) Net cooling capacity without considering the pump power loss at the design point (coolant outlet temperature 15 / 20 °C; ambient temperature 32 °C / 40 °C / 50 °C)
- c) Standard version: Ambient temperature range +5 °C to +45 °C, indoor installation
- d) Calculated maximum power/current consumption of all components (60 Hz; standard pump)
- e) Different flow temperatures on request
- f) Available pump pressure at nominal volume flow; other pumps in the standard portfolio

HYFRA GCP-S model no. (kW)		8	12	15	21	28
Performance data		460 V / 60 Hz ^{a)}				
Ambient temperature °C	Coolant outlet temperature in °C	Cooling capacity ^{b)}				
32 °C	15 °C	10	13	17	22	29
	20 °C	12	15	20	25	32
40 °C	15 °C	9	11	16	19	26
	20 °C	10	14	18	23	29
50 °C	15 °C	7	10	13	17	23
	20 °C	9	12	16	20	25
Technical data						
Refrigerant		R513A				
Ambient temperature range ^{c)}	°C	-20 °C to +55 °C				
Sound pressure level in 5 m	dB(A)	66			67	
Power consumption max. ^{d)}	kW	5	8	11	13	21
Current consumption max. ^{d)}	A	9	13	15	21	30
Maximum back-up fuse	A	35			35	
Cooling air volume flow	m³/h	6,500			8,400	
Coolant outlet temperature range ^{e)}	°C	-5 °C to +30 °C				
Free pump pressure ^{f)}	bar	3 bar / 5 bar				
Coolant flow (nominal volume flow)	m³/h	1.7	2.1	2.6	3.5	4.7
Tank volume	l	120 l				
Coolant connections	inch	1" IG			1 1/4" IG	
Dimensions and weight						
Length	mm	737				
Width	mm	737				
Height	mm	1,685				
Empty weight	kg	240	245	250	280	285



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HYFRA GCP-S model no. (kW)		30	40	50	80	100
Performance data		460 V / 60 Hz ^{a)}				
Ambient temperature °C	Coolant outlet temperature in °C	Cooling capacity ^{b)}				
32 °C	15 °C	33	36	51	72	86
	20 °C	38	42	59	82	99
40 °C	15 °C	29	32	46	64	76
	20 °C	34	38	54	73	87
50 °C	15 °C	25	28	41	53	64
	20 °C	29	33	48	60	75
Technical data						
Refrigerant		R513A				
Ambient temperature range ^{c)}	°C	-20 °C to +55 °C				
Sound pressure level in 5 m	dB(A)	66			67	
Power consumption max. ^{d)}	kW	20	30	34	53	63
Current consumption max. ^{d)}	A	32	44	48	77	108
Maximum back-up fuse	A	50		63	100	125
Cooling air volume flow	m³/h	11,300		12,900	24,000	
Coolant outlet temperature range ^{e)}	°C	- 5 °C to + 30 °C				
Free pump pressure ^{f)}	bar	3 bar / 5 bar				
Coolant flow (nominal volume flow)	m³/h	5.2	6.1	7.8	12.5	15. 5
Tank volume	l	200 l		300 l		
Coolant connections	inch	1 1/2" IG			2" IG	
Dimensions and weight						
Length	mm	1,315			1,315	
Width	mm	895			1,105	
Height	mm	2,037				
Empty weight	kg	451	461	620	650	780



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- f) Available pump pressure at nominal volume flow; other pumps in the standard portfolio

HYFRA GCP-S model no. (kW)		130	150	170	200
Performance data		460 V / 60 Hz ^{a)}			
Ambient temperature °C	Coolant outlet temperature in °C	Cooling capacity ^{b)}			
32 °C	15 °C	123	144	158	173
	20 °C	141	164	182	198
40 °C	15 °C	110	128	141	153
	20 °C	128	147	162	175
50 °C	15 °C	94	106	118	129
	20 °C	109	121	137	150
Technical data					
Refrigerant		R513A			
Ambient temperature range ^{c)}	°C	-20 °C to +55 °C			
Sound pressure level in 5 m	dB(A)	67			
Power consumption max. ^{d)}	kW	80	99	109	120
Current consumption max. ^{d)}	A	114	143	173	204
Maximum back-up fuse	A	160		200	250
Cooling air volume flow	m³/h	48.000			
Coolant outlet temperature range ^{e)}	°C	- 5 °C to + 30 °C			
Free pump pressure ^{f)}	bar	3 bar / 5 bar			
Coolant flow (nominal volume flow)	m³/h	21	23.5	26	31
Tank volume	l	400 l		600 l	
Coolant connections	inch	2 1/2" IG		3" IG	
Dimensions and weight					
Length	mm	2,858			3,140
Width	mm	1,105			
Height	mm	2,037			
Empty weight	kg	1,300	1,350	1,400	1,600