

GP SERIES



ENVIRONMENTALLY FRIENDLY PORTABLE CHILLING



Sterling's GP Series offers 70-210 kW (20-60 tons of refrigeration) for their air-and-water-cooled portable chillers and provides a leaving coolant temperature range of 20°F to 80°F (-7.5°C to 30°C). Offering the smallest footprint in the industry, the GP Series is also the first product line to utilize environmentally friendly R410a refrigerant.

Features

- Environmentally friendly, R410a refrigerant
- Branch motor circuit protection
- "Y" strainer in process water line to evaporator
- Off-the-shelf modular controller is accurate to within $\pm 1^\circ\text{F}$ ($\pm 0.6^\circ\text{C}$)
- Easy-to-read LCD display showing system operating status, Set Point, and To-Process temperature; remote mount without special configuration
- Multiple-line screen, 20 character x 8 line display
- Stamped, stainless steel, horizontally mounted pump assures reliability
- Leaving water temperature range of 20°F to 80°F (-7.5°C to 30°C)
- Non-ferrous piping
- Compressor staging tandems
- Air-cooled units feature aluminum fin tube condensers with easy on/off, washable air filters
- Variable speed fans standard
- Water-cooled units equipped with water regulating valves with shell-and-tube condensers
- No tools necessary to access the mechanical cabinet
- 4" swivel casters with locks for 70-105 models; mounting channel for 140-210 models
- Electronic hot gas bypass valve
- Non-fused disconnect switch with single point power connection
- 1 year compressor and labor warranty; 2 year parts warranty; 3 year limited controller warranty
- NEMA 12 electrical enclosure

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Model		70	90	105	140	175	210	
Compressor		Hermetic scroll with compressor staging						
Compressor HP (kW)		20 (15)	25 (18.7)	30 (22.4)	40 (30.0)	50 (37.3)	60 (45.0)	
Evaporator		Stainless steel brazed plate						
Reservoir		70 (265)			140 (530)			
Pump HP (kW)		5 (3.7)						
Height (in, mm)	GPAC	82 (2083)		100 (2540)				
	GPWC	79 (2007)						
	GPRC	79 (2007)						
Depth (in, mm.)	GPAC	70 (1778)			105 (2667)		140 (3556)	
	GPWC	70 (1778)			105 (2667)			
	GPRC	70 (1778)			105 (2667)			
Width(in, mm.)		44 (1118)						
Weight lbs (kg)	GPAC	1420 (645)	1520 (690)	1900 (864)	2280 (1035)	2850 (1295)	3800 (1725)	
	GPWC	1410 (640)	1510 (686)	1880 (855)	2210 (1005)	2790 (1268)	3630 (1650)	
	GPRC	1420 (645)	1520 (690)	1900 (864)	2280 (1035)	2850 (1295)	3800 (1725)	

Contact factory for detailed information on remote condensers.



The magnetic connection on the controller interface allows it to be mounted anywhere on the unit. This allows the chiller to be placed anywhere on the process line since there is no front or back to the unit.



Scroll Compressor



Evaporator



Locking swivel casters



Air-cooled condenser

