



# HEAT & COOL

## PS SERIES 2-40 HP PORTABLE CHILLERS



### STANDARD FEATURES

- Compact footprints
- 1 year compressor and labor warranty; 2 year parts warranty; 3 year limited controller warranty
- NEMA 12 electrical enclosure
- Low rpm blower designed to reduce noise (20 - 30 hp)
- Non-fused disconnect switch with single point power connection

### MORE STANDARD FEATURES

- Branch motor fusing
- "Y" strainer on process water line to evaporator
- 1/16 DIN PID auto-tuning, off-the-shelf modular controller is accurate to within +/- 1°F
- Stamped, stainless steel, horizontally mounted pump assures reliability
- Leaving water temperature range of 35°F to 65°F
- Non-ferrous piping (2 - 30 HP)
- Air-cooled units feature aluminum fin/copper tube condensers with easy on/off, washable air filters
- Water-cooled units equipped with water regulating valves. 2-7.5 hp units have tube-in-tube condensers; 10-40 hp units have shell and tube condensers
- No tools necessary to access the mechanical cabinet
- Easy-to-read LED display of system operating status, Set Point and To-Process temperature
- Mounting rails are in place of casters on the PSR Series Remote Air Cooled Chillers



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WHITLOCK/  
MATERIAL  
HANDLING



HEAT & COOL



BLEND &  
RECLAIM



NELMOR/  
GRANULATE



DOWNSTREAM  
EXTRUSION



AUTOMATE



SYSTEMS  
CONTRACTING



SERVICE



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Each unit includes external fill/drain/sight glass, valved process water connections, low water flow/pressure switch, hot gas bypass capacity control, and heavy-duty, swivel casters.



Scroll compressors (on 2-30 HP units) offer less rotating mass and internal friction, no suction and discharge valves, low noise and vibration, and high reliability because of fewer moving parts.



20-30 HP units feature dual staging, off-the-shelf, auto-tune compressor controller, which saves energy by staging compressors individually based upon load.



Optional remote condenser offered on 5-40 hp PSR Series Remote Air Cooled Chillers.



Model	2	3.5	5	7.5	10	15	20	25	30	40	
Compressor	Hermetic scroll with compressor staging on 20-30 HP tandems									Semi-hermetic discus <sup>®</sup> with cylinder unloading	
Evaporator	Stainless steel copper-brazed plate									Shell and tube	
Reservoir	6 gallons		20 gallons		40 gallons		80 gallons polyethylene			80 gallons 304 SS	
Pump HP	1HP			2HP			5HP			7.5HP	
Height (in.)	PSA-49.66; PSW-28.31		PSA-82.33; PSW and PSR-40.90			PSA-91.43; PSW and PSR-43.30			PSA-N/A; PSW and PSR-43.30		
Depth(in.)	41.68		54.74		74.74					100.73	
Width(in.)	22			34							
Weight (lbs.)	PSA	417	440	1047	1097	1570	1653	2605	2648	2910	N/A
	PSW	363	392	787	877	1175	1249	1745	1930	2135	2930
	PSR	N/A	N/A	748	794	1052	1095	1549	1555	1857	2470

Contact factory for detailed information on remote condensers.



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