

## PRW Series Water-cooled Portable Chiller

### Standard Features

- ✓ Range from 2.7-56 tons
- ✓ Set temperature range from 7 °C to 30 °C
- ✓ Microprocessor Controller provides precise temperature control and complete protection on both chiller and production process
- ✓ Nonferrous process fluid circuit. 316L stainless steel food grade(or higher) is available on request
- ✓ Shell and tube condenser with large heat exchange surface and rational structure design to avoid blocking
- ✓ Built-in PU insulated reservoir with large capacity and a removable top for maintenance
- ✓ Easily removable side panel allows easy clearance and maintenance



### Optional Features

- Close circuit evaporator for open circuit using spot
- 316L stainless steel food grade(or higher) fluid circuit
- Remote control panel  
PLC control system, monitoring and control more precisely
- High pressure water supply pump for different applications
- Hot gas by-pass to get more stable temperature control

## HOW DO WE MAKE IT RELIABLE?



### Manufacturing

Every Senho chiller comes from strict established production process, which is detailed to every welding spot, pipe connection and screw fastening.

Every component, before put in our products, went through strict calculation and repeated trials.



### Quality Testing

120+ incoming inspection rules  
80+ final QC rules  
72hr, 18 Bar nitrogen pressure holding testing  
48hr running testing



### Warranty Protection

24 months warranty on optional PLC control system  
18 months warranty on complete stainless steel water contact parts  
12 months warranty on unit  
Extended warranty up to 5 years

# Specifications 2.7ton~18.77ton

Model			PRW03L1	PRW05L1	PRW08L2	PRW10L2	PRW15L2	PRW20L2
Cooling Capacity	-	Ton	2.70	4.63	7.45	9.27	14.27	18.77
	-	Kcal/h	8170	14020	22530	28040	43170	56760
Unit electrical Specifications	Power supply	V/ph/Hz	400/3/50					
	Rated power	KW	3.32	5.03	7.89	10.1	15.8	19.22
	Max Current	Amps	6.5	9.5	15	19	29.8	36.2
Compressor	Type	-	Hermetic scroll					
	Refrigerant	-	R407c					
	Rated power	KW	2.95	4.28	3.57×2	4.28×2	6.8×2	8.51×2
	Qty./Ref. circuit	-	1	1	2	2	2	2
Condenser	Type	-	Shell and tube					
	Rated water flow	m³/h	2.1	3.6	5.7	7.1	11	14.4
Evaporator	Type	-	Copper coil built in ss tank					
	Rated water flow	m³/h	1.63	2.8	4.5	5.6	8.63	11.35
Tank	Type	-	304#ss with PU insulation, removable cover					
	Volume	Liter	60	60	150	200	330	330
Pump	Rated power	KW	0.37	0.75	0.75	1.5	2.2	2.2
	Max flow	m³/h	5.4	8.1	8.1	13.5	25.2	25.2
	Max lift	meter	22	30	25	25	28	28
Connection size	Chilled water in	inch	1	1	1-1/2	2	2	2
	Chilled water out	inch	1	1	1-1/2	2	2	2
	Cooling water in	inch	1	1	1-1/2	1-1/2	2	2
	Cooling water out	inch	1	1	1-1/2	1-1/2	2	2
Dimension	Length	mm	910	910	1250	1250	1600	1600
	Width	mm	480	480	680	680	750	750
	Height	mm	1000	1000	1380	1380	1600	1600
Weight	Dry weight	kg	125	160	230	260	420	460
	Running weight	kg	185	220	380	460	750	790

- Cooling capacity based on 50Hz power supply, 7 °C supply water, 25 °C condenser water temperature in, R407c refrigerant, and operating at sea level.
- Evaporator rated flow is calculated based on 5 °C supply/return water temperature difference.
- Set point range from 7 °C to 35 °C. For lower temperature requirement please refer to PL or CL series.
- Max current is minimum unit ampacity for wire sizing.
- Units for other power supply are available on request.

# Specifications 21.84ton~56.13ton

Model			PRW25W2	PRW30W2	PRW40W2	PRW40W4	PRW50W2	PRW50W4	PRW60W4
Cooling Capacity	-	Ton	21.84	27.58	37.70	37.53	44.47	43.67	56.13
	-	Kcal/h	66050	83420	114040	113520	134500	132100	169760
Unit electrical Specifications	Power supply	V/ph/Hz	400/3/50						
	Rated power	KW	23.8	31.2	40.4	38.04	51.1	48.7	60.3
	Max Current	Amps	44.8	58.7	76	72.2	96.1	91.6	113.4
Compressor	Type	-	Hermetic scroll						
	Refrigerant	-	R407c						
	Rated power	KW	10.8×2	13.6×2	18.2×2	8.51×4	22.8×2	10.8×4	27.4×2
	Qty./Ref. circuit	-	2	2	2	4	2	4	2
Condenser	Type	-	Shell and tube						
	Rated water flow	m³/h	17	21.4	29.3	28.9	35	33.9	43.2
Evaporator	Type	-	Copper coil built in ss tank						
	Rated water flow	m³/h	13.21	16.68	22.8	22.7	26.9	26.41	33.95
Tank	Type	-	304#ss with PU insulation, removable cover						
	Volume	Liter	350	450	580	580	620	620	620
Pump	Rated power	KW	2.2	4	4	4	5.5	5.5	5.5
	Max flow	m³/h	25.2	36	36	36	40	40	40
	Max lift	meter	28	30	30	30	32	32	32
Connection size	Chilled water in	inch	2	2-1/2	3	3	3	3	4
	Chilled water out	inch	2	2-1/2	3	3	3	3	4
	Cooling water in	inch	2	2-1/2	3	3	3	3	3
	Cooling water out	inch	2	2-1/2	3	3	3	3	3
Dimension	Length	mm	1950	1950	2000	2000	2000	2000	2200
	Width	mm	850	850	980	980	980	980	1200
	Height	mm	1700	1700	1700	1700	1700	1700	1900
Weight	Dry weight	kg	680	720	870	870	980	980	1120
	Running weight	kg	1030	1170	1450	1450	1600	1600	1740

- Cooling capacity based on 50Hz power supply, 7℃ supply water, 25℃ condenser water temperature in, R407c refrigerant, and operating at sea level.
- Evaporator rated flow is calculated based on 5℃ supply/return water temperature difference.
- Set point range from 7℃ to 35℃. For lower temperature requirement please refer to PL or CL series.
- Max current is minimum unit ampacity for wire sizing.
- Units for other power supply are available on request.