

PRA Series Air-cooled Portable Chiller

Standard Features

- ✓ Range from 2-40 tons
- ✓ Set temperature range from 7 °C to 30 °C
- ✓ Top brand scroll type compressor
- ✓ Microprocessor Controller provides precise temperature control and complete protection on both chiller and production process
- ✓ Standard air-cooled condensers for industrial environments with ambient temperatures up to 45 °C
- ✓ Quiet condenser fan with surplus air volume
- ✓ 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
- Enlarged condenser or R134a unit for healthily running under higher working ambient
- 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 2.37ton~16.5ton

Model			PRA03L1	PRA05L1	PRA08L2	PRA10L2	PRA15L2	PRA20L2
Cooling Capacity	-	Ton	2.37	3.96	6.14	7.93	12.65	16.52
	-	Kcal/h	7,170	11,980	18,570	23,980	38,250	49,960
Unit electrical Specifications	Power supply	V/ph/Hz	400/3/50					
	Rated power	KW	3.6	5.4	8.4	10.9	16.9	20.92
	Max Current	Amps	6.8	10.3	16.3	20.8	31.8	39.3
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	-	Aluminum fin with copper tube					
	Fan rated power	KW	0.14×2	0.19×2	0.25×2	0.42×2	0.55×2	0.85×2
	Rated air flow	m³/h	3000	5000	8000	10000	15000	20000
Evaporator	Type	-	Copper coil built in ss tank					
	Rated water flow	m³/h	1.44	2.4	3.71	4.8	7.65	10
Tank	Type	-	304#ss with PU insulation, removable cover					
	Volume	Liter	50	60	120	200	270	350
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	Inlet	inch	1	1	1-1/2	2	2	2
	Outlet	inch	1	1	1-1/2	2	2	2
Dimension	Length	mm	980	1150	1350	1500	1860	2020
	Width	mm	520	625	680	760	850	950
	Height	mm	1170	1385	1530	1660	1930	2000
Weight	Dry weight	kg	152	185	283	345	580	650
	Running weight	kg	202	245	403	545	850	1000

- Cooling capacity based on 50Hz power supply, 7℃ supply water, 35℃ ambient temperature, 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.

Specifications 19.33ton~38.67ton

19.33ton~38.67ton

Model			PRA25L2	PRA30L2	PRA40L2	PRA40L4	PRA50L2	PRA50L4
Cooling Capacity	-	Ton	19.33	24.71	32.41	32.98	39.35	38.67
	-	Kcal/h	58,450	74,720	98,000	99,730	118,990	116,940
Unit electrical Specifications	Power supply	V/ph/Hz	400/3/50					
	Rated power	KW	25.5	33.72	43.7	41.34	56.2	53.8
	Max Current	Amps	48	63.4	82.2	77.8	105.7	101.2
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
	Qty./Ref. circuit	-	2	2	2	4	2	4
Condenser	Type	-	Aluminum fin with copper tube					
	Fan rated power	KW	0.85×2	0.42×6	0.55×6	0.55×6	0.85×6	0.85×6
	Rated air flow	m³/h	25000	30000	40000	40000	50000	50000
Evaporator	Type	-	Copper coil built in ss tank					
	Rated water flow	m³/h	11.69	14.94	19.6	19.95	23.8	23.4
Tank	Type	-	304#ss with PU insulation, removable cover					
	Volume	Liter	350	420	580	580	580	580
Pump	Rated power	KW	2.2	4	4	4	5.5	5.5
	Max flow	m³/h	25.2	36	36	36	40	40
	Max lift	meter	28	30	30	30	32	32
Connection size	Inlet	inch	2-1/2	2-1/2	3	3	3	3
	Outlet	inch	2-1/2	2-1/2	3	3	3	3
Dimension	Length	mm	2020	2200	2350	2350	2600	2600
	Width	mm	950	1150	1350	1350	1500	1500
	Height	mm	2000	1980	2000	2000	2100	2100
Weight	Dry weight	kg	810	890	1112	1112	1320	1320
	Running weight	kg	1160	1310	1692	1692	1900	1900

- Cooling capacity based on 50Hz power supply, 7℃ supply water, 35℃ ambient temperature, R407c refrigerant, and operating at sea level.
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