

PHP



**POOL HEAT PUMP.
R 22**



SPECIFICATION

Model		PHP-100-SL	PHP-210-SL	PHP-320-2SL
Capacity	Cooling MBH / KW	87 / 25.5	181.5 / 53.2	281.1 / 82.4
	Heating MBH / KW	103.1 / 30.2	210 / 61.6	320.7 / 94
	Recovery Rate 10C at Litre/hr	2,500	5,200	8,000
Compressor	Type	Scroll		
	Power Supply	380 V / 3 Ph / 50 Hz		
	Power Input KW (each)	4.74	8.4	6.09
	Rated Load Amp. (each)	10.0	18.9	11.9
	Full Load Amp. (each)	16.4	28.6	19.6
	Locked Load Amp. (each)	95.0	173.0	125.0
	Q'ty	1	1	2
Evaporatoe	Type	Aluminium Coated Plate FinType & Copper Tube		
	Fin / inch	14	14	14
	Face Area (sq.ft.)	20.0	20.0	39.5
Fan	Type	Propeller Fan : Direct Drive : Vertical Discharge		
	Air Flow Volume	7,000	10,000	14,000
Motor	Power Supply	220 V / 1 Ph / 50 Hz		
	HP	1/2	1	1/2
	Rated Load Amp.	1.9	2.3	1.9
	RPM	900		
	Q'ty	1	1	2
Connection	Drain (inch)	1	1	1
Condenser	Type	Plate Heat Exchanger SMO 254		
	Flow Rate GPM	20.6	42.2	64.1
	Pressure Drop PSI	8.7	8.7	8.7
	Connection In/Out MPT	1 1/2"	2"	2"
Refrigerant	Type	R - 22		
Dimension	W mm.	1,200	1,400	2,145
	D mm.	790	915	1,300
	H mm.	732	910	2,010
Maximum Sound Level 1 M	dB(A)	45	60	65
Net Weight	kgs.	360	510	950

Nominal Capacity

- The heating capacity ambient air 15C at 80%RH and water 25C
- The evaporating temperature is supposed to be 5 to 7C and the condensing temperature 30 to 32C
- Running air temperature range 10C to 40C
- Specifications subject to change without notice
- Nominal capacity : MBH = 1,000 BTUH

Standard Accessories

Refrigeration Parts

- Suction and liquid lines shut off & service valves
- TX Valve
- Filter drier
- Sight glass
- Suction accumulator
- Liquid receiver
- High pressure gauge oil

Electrical Parts

- Compressor start and overload relay
- Fan motor starter and overload
- Time delay relay
- High Pressure Switch
- Low Pressure Switch
- Fan speed control



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Hot Water System Expertise