

China's top ten brand heat pump suppliers

Pool World specializes in heat pump R&D, manufacturing, and providing comprehensive energy-saving heating solutions to the worldwide market since 2008, complied with ISO9001 and ISO14001 quality management certificates. The factory is located in Dongguan, China, which respectively manufactures all kinds of heat pumps including swimming pool heat pumps\ Heating&Cooling&DHW Heat Pump\Hot Water Heat Pump, etc., covering an area of 30,000 square meters, with 4 international laboratories attained EN14511 certificate(TUV certified) and more than 50 R&D professional engineers, Pool World has obtained 416 patents, we always focus on technical innovation and quality management, the products were certificated by CE, CB, ROHS, and passed the European EN14825 and EN14511 energy efficiency certificate which is complied strictly based on the latest EHPA requirement.

Pool World's high-quality products are widely applied in hotels, hospitals, restaurants, schools, government institutions, residences, etc. with good central heating solutions, helping them save up to 75% of the power used originally. Most products are exported to Europe, Southeast Asia, South America, and Middle East markets.

With over 14 years of export experience, working together with suppliers and distributors in their markets, Pool World has rich experience and good knowledge with our professional, worldwide, and customer-oriented team are trained to support our partners in finding the right solution that satisfies their requirements. We are conscious that our customers are the most valuable part of our business. Therefore, we focus on giving the product quality and service that exceeds your expectations, with integrity, professionalism, and a teamwork approach.

Pool World will strive to exceed expectations, boost enterprise energy conservation, and promote environmental protection as we insist on all the time.



Heating
Cooling
Domestic Hot Water
R32 INVERTER

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Features



- Ultra-low outdoor temperature as low as -30°C/-22°C
- Low-GWP R32 refrigerant
- Energy level A+++ tested by TUV
- COP upto 4.9
- EVI inverter technology
- Intelligent defrosting, fast and efficient
- Screwless and anti-corrosion metal casing
- Triple supply of heating cooling and hot water
- Max outlet water temps. 60°C
- Two electric heater control ports for higher temps. needs
- Support appearance/color customization

EVI Monoblock Type



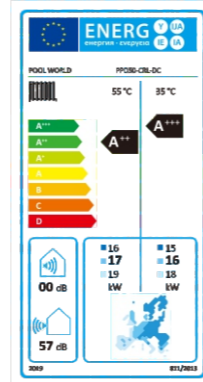
CE CB ROHS KEYMARK ERP

Model		PD30-CRL-DC	PD40-CRL-DC	PD50-CRL-DC	PD60-CRL-DC	PD80-CRL-DC	PD10-CRL-DC
Heating	Heating Capacity Range(kw)	1.57-8.40	4.40-13.00	5.9-18.2	7.5-23.0	10.2-28.0	12.8-35.0
	Heating Input Range(kw)	0.32-1.87	0.90-3.02	1.20-4.11	1.53-5.23	2.07-6.36	2.61-7.99
	Current Range(A)	1.42-8.30	1.39-4.68/ 4.12-13.8	1.86-6.37/ 5.49-18.8	2.37-8.11	3.70-11.4	4.67-14.3
	Cop Range	4.49-4.91	4.30-4.90	4.43-4.92	4.40-4.90	4.40-4.92	4.38-4.90
Cooling	Cooling Capacity Range (kW)	0.99-6.22	2.80-8.20	3.81-11.53	4.73-14.6	6.54-19.8	8.13-24.6
	Cooling Input Power(kw)	0.29-2.18	0.85-3.31	1.11-4.05	1.39-5.14	1.92-6.97	2.42-8.75
	Current Range(A)	1.28-9.67	1.32-5.13/ 3.89-15.1	1.72-6.28/ 5.08-18.5	2.16-7.97	3.43-12.5	4.33-15.6
	EER Range	2.85-3.41	2.48-3.29	2.85-3.43	2.84-3.40	2.84-3.40	2.81-3.36
DHW	Heating Capacity Range(kw)	1.28-6.81	3.52-10.50	4.80-14.72	6.1-18.5	12.3-20.4	13.6-22.6
	Heating Input Range(kw)	0.31-2.13	0.88-3.39	1.17-4.60	1.53-5.97	2.8-5.37	3.09-5.95
	Current Range(A)	1.38-9.45	1.36-5.26/ 4.03-15.5	1.82-7.15/ 5.35-21.1	2.37-9.26	5.0-9.6	5.52-10.6
	Cop Range	3.2-4.1	3.1-4.0	3.2-4.1	3.1-4.0	3.8-4.4	3.8-4.4
Power Supply	230V/1Ph/50-60Hz	380V-400V/3Ph/50-60Hz or 220V-230V/1Ph/50-60Hz		380V-400V/3Ph/50-60Hz			
Refrigerant	R32						
Working Ambient Temperature	-30~43°C						
Water Circulation(m³/h)	1.4	2.2	3.1	4.0	4.8	6	
Water Pressure Drop(kpa)	31	25	35	45	40	50	
Ip Grade(level Of Protection)	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	
Anti-electric Shock Rate	I	I	I	I	I	I	
Noise at 1m (dB(A))	≤53	≤55	≤57	≤58	≤62	≤66	
Net Weight/gross Weight(KG)	110/120	140/150	170/180	180/190	210/220	230/240	
Diameter Of Pipe (mm)	DN25	DN25	DN25	DN25	DN32	DN32	
Body Size(W*D*H) (mm)	970X475X835	1100X475X985	1050X480X1330	1050X480X1330	1160X500X1580	1160X500X1580	
Loading Quantity (20GP/40GP/40HQ)	44/88/88	44/88/88	22/42/42	22/42/42	18/40/40	18/40/40	
Erp Level (35°C)	A+++	A+++	A+++	A+++	A+++	A+++	
Erp Level (55°C)	A++	A++	A++	A++	A++	A++	
Power Supply	Plate Heat Exchanger						
Fan Motor	DC Type						
Defrosting	By Four-way valve						
Operating Water Temperature (°c) DHW	9-60°C						
Operating Water Temperature (°c) Heating	9-50°C						
Operating Water Temperature (°c) Cooling	7-35°C						
Remark	Heating working condition: Inlet water temperature 30°C, Outlet water temperature 35°C, Dry bulb temperature 7°C, Wet bulb temperature 6°C. Cooling working condition: Inlet water temperature 12°C, Outlet water temperature 7°C, Dry bulb temperature 35°C, Wet bulb temperature 24°C. DHW working condition: Inlet water temperature 15°C, Outlet water temperature 55°C, Dry bulb temperature 7°C, Wet bulb temperature 6°C.						

Controller

4 Inch Large LCD Touch Screen Control Panel

- Four touch buttons, simple and easy to control
- Built-in WIFI system, App control.
- Controller and Wifi APP support multiple languages, such as local language+English, user-friendly design.
- Dual temperature scale display. Celsius degrees(°C)/Fahrenheit(°F), catering to user habits.
- Support Powerful Mode, Smart Mode, Silent Mode, Vacation Mode.



Other languages:



Installation

There are 5 optional operations as follows, which help to offer the users comfortable house heating/cooling and stable hot water supply(by a 3-way valve) all year round based on their demands.

- Single space heating;
- Single domestic hot water;
- Single space cooling;
- Space heating+DHW(hot water priority); (DC brushless Motor)
- Space cooling+DHW(hot water priority).

