

Features & Highlights



- Using heat energy from ambient & reproduces more heat energy, saving 60%~80% energy compared to traditional heaters.
- Titanium tube-in-shell heat exchanger resists harsh pool chemicals and corrosion.
- Providing heating in winter and chilling in summer for spa and swimming pool in domestic and commercial applications.
- Long-life and corrosion resistant composite cabinet stands up to severe climates & pool chemicals.
- Famous brand compressor ensures outstanding performance, ultra energy efficiency, durability and quiet operation.
- Intelligent digital controller with friendly user interface and blue LCD back light.
- Self-diagnostic control panel monitors and troubleshoots heat pump operations to ensure safe and reliable operation.
- Separate isolated electrical compartment prevents internal corrosion and extends heat pump life.

Product Appearance



Inverter Swimming Pool Chiller & Heat Pump (50Hz/60Hz) (Inverter Type)

Technical Specifications

Model	SPCH-2.0V	SPCH-3.0V	SPCH-4.0V	SPCH-5.0V	SPCH-6.0V	SPCH-8.0V	SPCH-10V	SPCH-12V	SPCH-15V	SPCH-20V	SPCH-25V			
HP	2	3	4	5	6	8	10	12	15	20	25			
Power heads		50-70/60/50, 50-70/60/50						50-60/50/50, 50-70/60/50, 50-60/50/50						
Heating	Heating capacity	kW/h	2.9/6	3.0/12	4.0/17	5.0/18	6.0/24	5.0/18	6.0/24	7.0/28	9/36	12/30	16/37	24/126
	Heating capacity	kW/h	0.7/1.05	0.9/1.25	0.9/1.25	0.8/1.15	0.5/1.5	0.5/1.5	0.5/1.5	0.5/1.5	0.5/1.5	0.5/1.5	0.5/1.5	0.5/1.5
	OP	kW/h	13.5/3.45	12.9/3.4	12.5/3.31	12.9/3.45	13.5/3.45	13.5/3.45	13.5/3.45	13.5/3.45	13.5/3.45	13.5/3.45	13.5/3.45	13.5/3.45
	Heating capacity	kW/h	1.6/1.5	2.2/2.5	3.1/3.5	4/4.5	5/5.0	4/4.5	5/5.0	6/3.5	8/3.5	10/4.0	16/4.0	24/4.5
Cooling	Heating capacity	kW/h	0.07/1.7	0.07/1.1	0.04/1.5	0.04/1.4	0.04/1.4	0.01/1.82	0.04/1.5	0.01/1.76	0.01/1.53	0.01/1.53	0.01/1.53	0.01/1.53
	OP	kW/h	0.7/4.4	4.0/12.0	4.0/12.0	4.0/12.0	4.0/12.0	4.0/12.0	4.0/12.0	4.0/12.0	4.0/12.0	4.0/12.0	4.0/12.0	4.0/12.0
	Cooling capacity	kW/h	0.5/1.5	0.7/1.5	0.8/1.5	0.7/1.5	0.7/1.5	0.7/1.5	0.7/1.5	0.7/1.5	0.7/1.5	0.7/1.5	0.7/1.5	0.7/1.5
	OP	kW/h	4.0/12.0	4.0/12.0	4.0/12.0	4.0/12.0	4.0/12.0	4.0/12.0	4.0/12.0	4.0/12.0	4.0/12.0	4.0/12.0	4.0/12.0	4.0/12.0
Outdoor temp. range	°C	-7~46												
Rated/Max. outdoor water temp.	°C	26/30												
Rated water flow rate	m³/h	1.8	2.2	2.2	2.6	3.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	
Rated pressure drop	kPa	4	5	5	7	11	7	11	11	11	11	11	11	
Controller	Micro processor based digital water controller with LCD display													
Control cabinet	Exhausted cabinet with powder coating													
Compressor	Type	Inverter										Scroll		
	Qty	1										2		
Water flow exchanger	Type	Titanium tube in PVC shell												
	Water connection	in/out/inches	3/4/1	3/4/1	3/4/1	3/4/1	3/4/1	3/4/1	3/4/1	3/4/1	3/4/1	3/4/1	3/4/1	3/4/1
Sound pressure at 1m	dB(A)	40/55	42/52	44/53	45/56	48/56	45/56	48/56	48/56	48/56	48/56	48/56	48/56	
Warranty	Top 3-year													
Warranty	Warranty	3000/3600/3600												
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Notes:
 1. Capacity of Heating (OP): Ambient air temperature: 15°C, Humidity: 50%, Max/Outdoor water temperature: 30°C/20°C.
 2. Capacity of Heating (OP): Ambient air temperature: 15°C, Humidity: 50%, Min/Outdoor water temperature: 10°C/20°C.
 3. Capacity of Cooling (OP): Ambient air temperature: 35°C, Humidity: 50%, Max/Outdoor water temperature: 30°C/20°C.
 4. Capacity of Cooling (OP): Ambient air temperature: 35°C, Humidity: 50%, Min/Outdoor water temperature: 10°C/20°C.
 Blueway reserves the rights to modify the above specifications without notice for product improvement.

