



FEATURES

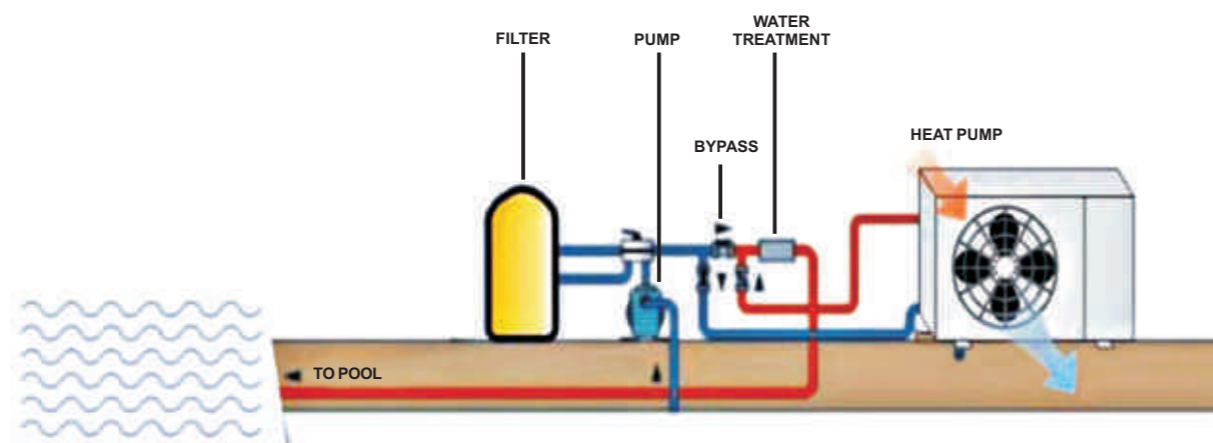
- All range of capacity from 4.5kW to 21.3kW
- Panasonic rotary / American Copeland scroll compressor
- Titanium tube in PVC shell heat exchanger
- Compact structure
- Intelligent defrosting
- Stable running, economic & durable
- Easy installation & operation
- Cooling in summer & Heating in winter

OPTIONAL

This series applies titanium heat exchanger and heat pump technology which can move heat from surrounding to the pool water. It is specially suitable for residential swimming pool and it can supply heating in winter and cooling in summer.



INSTALLATION DIAGRAM



Model		DSPS-45HCA	DSPS-65HCA	DSPS-100HCA	DSPS-140HCA	DSPS-210HCA
HP		1HP	1.5HP	2HP	3HP	5HP
Heating Capacity	kW	4.5	7	9.8	13.5	21.3
COP	---	5	4.83	4.76	4.33	4.95
Cooling Capacity	kW	3	4.5	6.2	8.8	14.7
EER	---	2.86	2.73	2.82	2.67	2.67
Max Water Outlet Temperature	°C	45				
Power Supply	V/PH/Hz	220~240V/1Ph/50Hz				
Rated Input Power (Heating/Cooling)	kW	0.9/1.05	1.45/1.65	2.06/2.20	3.12/3.30	4.3/5.50
Rated Input Current (Heating/ Cooling)	A	4.3/5.0	6.9/7.9	9.9/10.5	14.9/15.8	8.2/10.4
Max Input Power	kW	1.4	1.9	2.5	3.4	6.1
Max Input Current	A	6.7	9.1	12	16.3	11.6
Ambient Temperature	°C	-7°C~43°C				
Heat Exchanger		Titanium tube in PVC shell				
Refrigerant		R410A			R407C	
Compressor Type		Rotary			Scroll	
Number of Compressors		1	1	1	1	1
Number of Fans		1	1	1	1	2
Fan Air Flow Volume	m³/h	2000	2000	2600	3900	6500
Fan Direction		Horizontal				
Fan Power Input	W	20	20	40	90	90x2
Fan Rotation Speed	RPM	850	850	850	750	850
Noise	dB (A)	≤48	≤48	≤50	≤54	≤56
Piping Diameter	mm	Rc1-1/2"	Rc1-1/2"	Rc1-1/2"	Rc1-1/2"	Rc1-1/2"
Discharge Pressure	Mpa	2.5				
Suction Pressure	Mpa	0.3-0.8				
Rated Water Pressure	MPa	0.2~0.6				
Water Flow Volume	m³/h	1.3-1.9	2.0-3.0	2.8-4.2	3.9-5.8	6.1-9.1
Product Dimension	mm	930/350/550	930/350/550	1010/350/620	1115/425/710	1110/420/1222
Net Weight	Kg	38	45	68	95	114
Testing condition		Heating working condition: Outdoor DB/WB temp: 24°C/19°C · 62.5%RH, inlet water temp : 26°C. Cooling working condition: Outdoor DB/WB temp: 43°C/37°C · 68%RH, inlet water temp : 32°C.				