

Residential Swimming Pool Heat Pump



Specification

Features



TITANIUM HEAT EXCHANGER

Such coils could extended heat exchanging surface with higher efficiency and avoid scaling.

DC INVERTER COMPRESSOR

Selected world famous DC inverter compressor is well compatible with components inside the unit, which ensures the unit operates in an efficient way.



Model	/	APaC7VR3G1	APaC10VR3G1	APaC16VR3G1	APaC18VR3G1	APaC21VR3G1	APaC25VR3G1	
Power Supply	V/Ph~Hz	220-240V/1N50Hz	220-240V/1N50Hz	220-240V/1N50Hz	220-240V/1N50Hz	220-240V/1N50Hz	220-240V/1N50Hz	
Selling Temp. Range	℃	15℃~35℃	15℃~35℃	15℃~35℃	15℃~35℃	15℃~35℃	15℃~35℃	
Running Temp. Range	℃	12℃~43℃	12℃~43℃	12℃~43℃	12℃~43℃	12℃~43℃	12℃~43℃	
Heating power Air 26℃	Heating Capacity	kW	7.64	9.02	16.3	18.4	25.2	
	Btu	26068	30776	55616	62781	72334	85982	
/Water 26℃[1]	Heating Input Power	kW	0.13~1.23	0.20~1.53	0.32~2.77	0.35~3.07	0.41~3.41	0.48~4.25
	COP	WW	16.16~6.23	14.5~5.90	14.50~5.89	14.98~5.99	14.7~6.22	14.62~5.93
Heating power Air 15℃	Heating Capacity	kW	5.48	6.69	12	14.3	16.5	18.4
	Heating Input Power	kW	0.14~1.17	0.22~1.49	0.37~2.69	0.44~3.2	0.49~3.64	0.58~4.22
/Water 26℃[2]	COP	WW	7.62~4.67	6.93~4.49	8.26~4.46	8.26~4.47	8.25~4.53	8.27~4.36
Compressor Brand	/	GMCC	GMCC	GMCC	GMCC	GMCC	GMCC	
Max. Current	A	7.2	9	16	17.5	19	21.5	
Refrigerent Type	/	R32	R32	R32	R32	R32	R32	
Condenser	Type	Titanium in PVC	Titanium in PVC	Titanium in PVC	Titanium in PVC	Titanium in PVC	Titanium in PVC	
Controller Display	/	LCD	LCD	LCD	LCD	LCD	LCD	
Hydraulic Connection	mm	50/50	50/50	50/50	50/50	50/50	50/50	
Minimum Water Flow	m³/h	2~3	3~4	5~7	6~8	7~9	8~10	
Sound Pressure level (at 1m)	dB(A)	36~46	38~49	41~50	42~51	43~53	44~55	
Net Weight	kg	33	36	56	61	76	84	
Gross Weight	kg	39	42	66	71	85	93	
Net Dimensions (LxWxH)	mm	844*385*590	844*385*590	935*385*656	935*385*656	1118*465*776	1118*465*776	
Packing Dimensions(LxWxH)	mm	912*417*638	912*417*638	995*435*710	995*435*710	1172*513*833	1172*513*833	
Loading Quantity (20/40H)	Unit	120/276	120/276	87/180	87/180	36/126	36/126	

Remark:

1. Test conditions:

[1] Ambient air temperature 26°C (DB)/19°C (WB), inlet water temperature 26°C

[2] Ambient air temperature 15°C (DB)/12°C (WB), inlet water temperature 26°C

2. The data above is only for reference, and might be changed without prior notice.

Commercial Swimming Pool Heat Pump



Specification



Model	/	APb18e	APb30e	APb36e	APb45e	APb60e	APb90e	APb110e	APb180e	APb220e
Power Supply	/	380V/3N/50Hz	380V/3N/50Hz	380V/3N/50Hz	380V/3N/50Hz	380V/3N/50Hz	380V/3N/50Hz	380V/3N/50Hz	380V/3N/50Hz	380V/3N/50Hz
Heating Capacity	kW	20	30	40	46.5	60	92	110	186	222.5
	Btu/h	68240	102360	136480	158658	204720	313904	375320	634632	759170
Heating Power Input	kW	3.99	5.9	7.8	9.1	10.7	18.1	21.6	36.1	42.6
COP	W/W	5.01	5.08	5.10	5.10	5.60	5.08	5.10	5.15	5.22
MAX Working Power	kW	6.5	9.60	12.8	14.8	18.8	29.5	35.2	58.90	69.5
MAX Working Current	A	13.2	17	25.9	30	40	44	69	115	120
Noise	dB(A)	≤60	≤60	≤63	≤64	≤70	≤74	≤74	≤74	≤74
Rated Water Temperature	°C	28	28	28	28	28	28	28	28	28
Max. Water Temperature	°C	40	40	40	40	40	40	40	40	40
Rated Circulating Water	m³/h	8.6	12.9	17.2	20.0	25.8	39.6	47.3	80.0	95.7
Refrigerant	/	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Compressor Type	/	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Compressor Quantity	Pcs	1	1	2	1	2	2	2	4	4
Water Side Heat Exchanger	Type	Titanium	Titanium	Titanium	Titanium	Titanium	Titanium	Titanium	Titanium	Titanium
Suitable Swimming Pool Size	m²	50~70	70~100	80~140	120~180	160~230	180~270	190~300	300~500	400~600
Net Weight	kg	126	290	270	380	530	690	910	1450	1540
Net Dimensions(L×W×H)	mm	760×760×945	1700×788×1010	1540×900×1050	1600×900×1660	2130×1000×1735	2042×1170×2128	2040×1170×2128	2150×1850×2220	2150×1850×2220
Packing Dimensions(L×W×H)	mm	860×860×1045	1770×870×1180	1640×1000×1150	1700×1000×1760	2230×1100×1835	2250×1270×2230	2250×1270×2230	2250×1950×2320	2250×1950×2320

Remark:

- Test conditions: Heating: Outdoor air temp(DB/WB): 24°C/19°C, Water temp(in): 26°C;
*Heating: Outdoor air temp(DB/WB): 15°C/12°C, Water temp(in): 26°C;
**Heating: Outdoor air temp(DB/WB): 7°C/6°C, Water temp(in): 26°C;
- The data above is only for reference, designs and specifications might be changed without prior notice.