

Karnot Energy Solutions Inc



COMMERCIAL **SWIMMING POOL** HEAT PUMPS



RoHS



iSPA Series

Commercial Fixed-speed Pool Heat Pumps



Intelligent
Defrosting



5-inch Color
Touchscreen



-15°C -45°C
Temp. Range



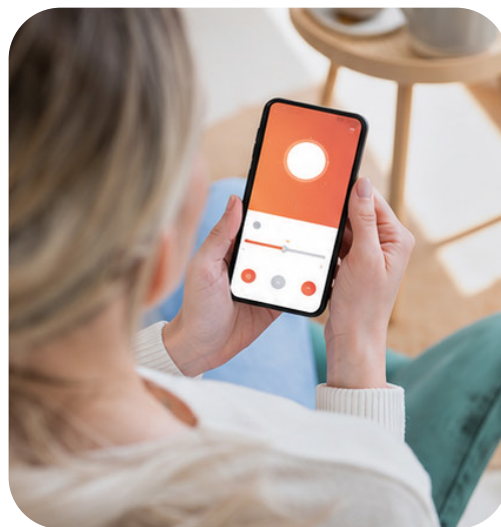
Quiet
Operation



Built In
Wifi Module

Wi-Fi Remote Control

Allows you to easily control your pool heat pump from anywhere, anytime.



Operation Range: -15°C to 45°C

Adapts seamlessly to changing weather for year-round performance.



High Efficiency

Equipped with a premium Copeland compressor for superior energy savings



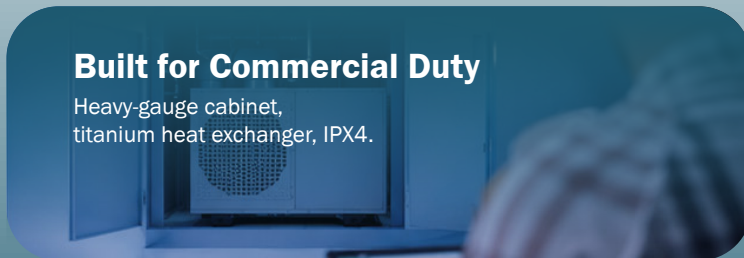
Optional Cascade Function

Boost heating capacity by connecting multiple heat pumps.



Built for Commercial Duty

Heavy-gauge cabinet, titanium heat exchanger, IPX4.



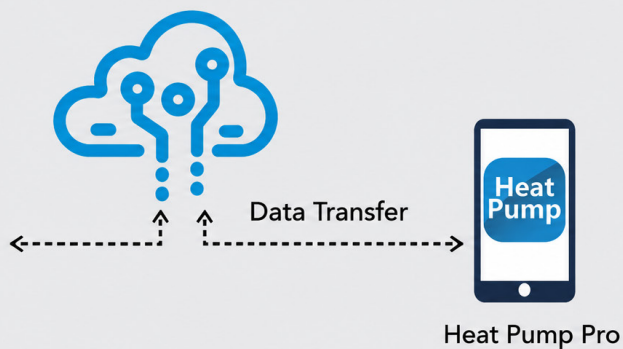
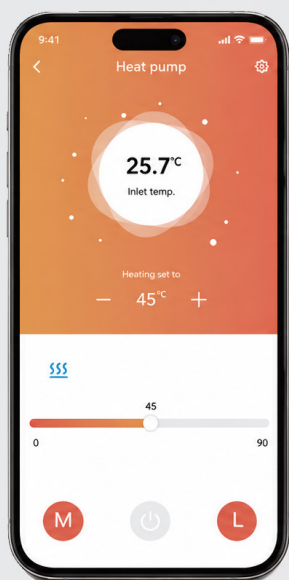
» Constant Pool Water Temperature

» Max. Outlet Water Temperature: 40°C

» Heating Capacity Up to 130kW

» Cooling Capacity Up to 78kW

» Anti-corrosion: Titanium Tube-in-shell Heat Exchanger



IDEAL FOR

Hotels | Spas | Resorts | Fitness Centres





SPECIFICATION

Model		iSPA 10 kW CGY/D-9-A	iSPA 15 kW CGY/D-12-A	iSPA 20 kW CGY/D-18-A	iSPA 26 kW CGY/D-22-A	iSPA 32 kW CGY/D-28-A
Power supply	V/Hz/Ph	220-240 / 50-60 / 1	220-240 / 50-60 / 1	220-240 / 50-60 / 1	380-415 / 50-60 / 3	380-415 / 50-60 / 3
Refrigerant	—	R290 (natural, GWP 3)				
Heating capacity	kW	10	15	20	26	32
Input power	kW	1.95	2.93	3.91	5.10	6.27
COP	W/W	5.12	5.12	5.11	5.10	5.10
Rated current	A	9.3	5.6	7.4	9.7	11.9
Max. current	A	13.1	7.8	10.4	13.6	16.7
Water flow	L/h	3,439	5,159	6,879	8,942	11,006
Water pressure drop	kPa	≤20	≤28	≤35	≤36	≤36
Pipe size	mm	ø50	ø50	ø50	ø50	ø50
Condenser	—	Titanium tube-in-shell heat exchanger				
Sound power level (1 m)	dB(A)	54	54	58	58	58
Fan quantity / power	—	1 × 90 W	1 × 90 W	1 × 90 W	1 × 90 W	1 × 90 W
Dimensions (L×D×H)	mm	710×710×925	710×710×925	810×810×1055	810×810×1055	810×810×1055
Net weight	kg	95	100	140	148	148
Max. outlet water temperature	°C	40 (45 optional)				
Waterproof rating	—	IPX4				

SPECIFICATION

Model		iSPA 40 kW CGY/D-36-A	iSPA 48 kW CGY/D-42-A	iSPA 60 kW CGY/D-52-A	iSPA 80 kW CGY/D-72-A	iSPA 100 kW CGY/D-95-A	iSPA 130 kW CGY/D-120-A
Power supply	V/Hz/Ph	380-415 V / 50-60 Hz / 3 Ph					
Refrigerant	—	R290 (natural, GWP 3)					
Heating capacity	kW	40	48	60	80	100	130
Input power	kW	7.80	9.38	11.70	15.53	19.38	25.19
COP	W/W	5.13	5.12	5.13	5.15	5.16	5.16
Rated current	A	14.8	17.8	22.2	29.5	36.8	47.8
Water flow	L/h	13,758	16,509	20,636	27,515	34,394	44,712
Water pressure drop	kPa	≤38	≤40	≤42	≤45	≤48	≤50
Pipe size	mm	ø63	ø63	ø63	ø75	ø90	ø90
Condenser	—	Titanium tube-in-shell heat exchanger					
Sound power	dB(A)	65	66	68	75	78	79
Fan quantity	—	2 × 250 W	2 × 250 W	2 × 800 W	2 × 800 W	2 × 1150 W	2 × 1150 W
Dimensions (L×D×H)	mm	1500×800×1150	1500×800×1150	1500×800×1150	2100×1100×1250	2100×1100×1250	2100×1100×1250
Net weight	kg	250	286	325	482	610	830
Max. outlet water temp.	°C	40 (45 optional)					
Waterproof rating	—	IPX4					



karnot

LOW CARBON HEAT PUMPS
AIR | WATER | STEAM | CO₂

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RoHS



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