



INVERTER C SERIES

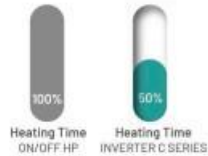
Premium Spa Pool Heat Pump

High Efficiency



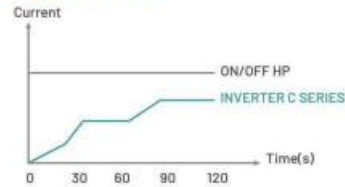
• Thanks to its full DC inverter technology, DC compressor & DC fan motor, Inverter C Series is with much higher efficiency than the ON/OFF heat pumps, thus, contributing to saving more energy bill for you.

Fast Heating



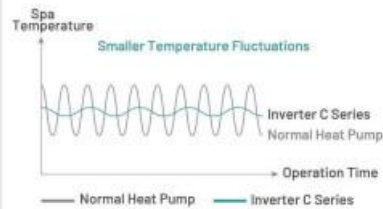
• By adopting the brushless DC fan motor and inverter compressors, Inverter C Series can smartly adjust the speed of compressors and fan motors according to the temperature of air and water temperatures, which enables the heat pumps to heat your pool fast.

Soft Start

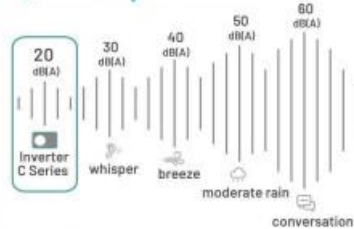


• Inverter C Series achieve completely soft switching at the start-up stage from an intensity of 0A to 28A (at maximum). While the normal ON/OFF heat pumps start in a current intensity over three times higher, which will greatly impact the family electricity system.

Constant Water Temperature



Quiet Operation



• Inverter C Series can run amazingly quietly of 20dB(A) in Silent mode

PARAMETERS OF INVERTER C SERIES

Model:

		PSL-150-062	PSL-150-063	PSL-150-064	PSL-150-065		
Air DB: 27°C WB: 24.3°C RH: 80% Water Inlet: 26°C Outlet: 28°C	Performance	Heating Capacity (kW)	1.5-7.2	1.8-9.5	2.8-11.5	3.5-15.3	
		Power Input (kW)	0.106-1.12	0.124-1.46	0.193-1.79	0.243-2.41	
		COP	14.2-8.43	14.5-6.5	14.5-6.4	14.4-6.35	
		Heating Capacity (kW)	Boost Mode	7.2	9.5	11.5	15.3
		COP	Boost Mode	6.43	6.5	6.4	6.35
		Heating Capacity (kW)	Smart Mode	6.8	7.8	9.1	11.55
		COP	Smart Mode	7.53	7.52	7.82	7.68
		Heating Capacity (kW)	Silent Mode	2.8	3.5	5.5	7.35
		COP	Silent Mode	12.5	12.2	11.2	10.62
		Heating Capacity (kW)		1.3-5.4	1.5-7.9	2.21-8.23	2.95-11.15
		Power Input (kW)		0.188-1.102	0.194-1.491	0.283-1.614	0.386-2.228
		COP		7.74-4.9	7.73-5.3	7.81-5.1	7.84-5.01
Air DB: 18°C WB: 12°C RH: 80% Water Inlet: 26°C	Performance	Heating Capacity (kW)	Boost Mode	5.4	7.9	8.23	10.86
		COP	Boost Mode	4.9	5.3	5.1	5.01
		Heating Capacity (kW)	Smart Mode	4.3	6.1	6.58	8.65
		COP	Smart Mode	5.95	5.95	5.73	5.72
		Heating Capacity (kW)	Silent Mode	2.4	2.5	4.37	5.55
		COP	Silent Mode	6.88	6.92	6.57	6.55
		Key Components	Casing	ABS Casing			
			Compressor	Mitsubishi DC Compressor			
			Heat Exchanger	Titanium heat exchanger			
		Power	Refrigerant	R32			
			Power Supply (V/Ph/Hz)	220-240V~/50Hz			
			Max. Power Input (kW)	1.61	1.75	2.3	3.2
Water system	Max. Current (A)	7.32	7.95	10.5	14.5		
	Water Pressure Drop (kPa)	17	18	15	18		
	Water Flow (m³/h)	3.1	4.1	4.9	6.6		
	Maximum Spa Size (m²)	15-30	20-40	25-50	30-60		
Temperature	Water Pipe Connection (mm)	50					
	Heating Temp. Range (°C)	5-40					
	Operating Temp. Range (°C)	-10-43					
Sound	Sound Pressure Drop at 1m dB (A)	20-46	21-46	22-47	24-48		
	Dimension	Net Dimension (L*W*H) (mm)	810*365*620		1000*415*680		
Net Weight (kg)		35	37	42	46		

• Notice: The above data is for reference only, the specific data is subject to actual product.

HOT TUB PERFORMANCE BY FAST HEATER MODEL




Testing Conditions

Energy Prices	kW cost: Pence/Hour
LPG	£ 0.08
Electricity	£ 0.21
Heat Pump COP 6	£ 0.035

Test Conditions	
Water volume litres	1,136 litres
Initial Water Temperature °C	12 °C
Final Water Temperature °C	38 °C
Ambient Air Temperature °C	14 °C

Test results for the Jupiter Plug&Play and Malaga Premium Spas

ALL HOT TUBS SUPPLIED WITH A STANDARD 2KW OR 3KW GECKO SMART HEATER. FAST HEATER OPTIONS ARE CONNECTED TO THIS STANDARD HEATER.

Model:		Standard Heater 2kW Gecko	Standard Heater 3kW Gecko +	3kW Heater LX	7kW Heat Pump	11.5kW Heat Pump	25kW Heat Exchanger
	Temperature Increase Per Hour	1.18°C	1.48 °C	2.97 °C	5.65 °C	6.9°C	15 °C
	Hourly Heating Cost	£0.21	£0.21	£0.42	£0.24	£0.28	£2.00
Heating 12 °C - 38 °C	Total Heating Time	22h	17.5h	8.45h	4.5h	3.50h	1.40h
	Total kW Used	38.9 kW	38.1 kW	38.3 kW	18.4 kW	19.1 kW	41.25 kW
	Total Heating Cost	£8.09	£8.00	£8.04	£3.86	£3.59	£3.30