

SCP EUROPE

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INVERTER C SERIES

Residential Swimming Pool Heat Pump

High Efficiency



ON/OFF HP

Invertrt C Series



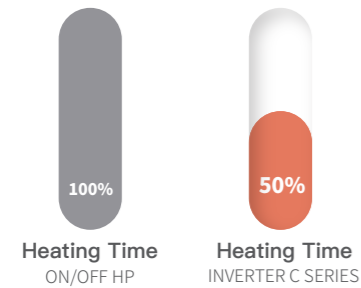
Energy Bill
100%
ON/OFF HP



Energy Bill
50%
INVERTER C SERIES

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

Fast Heating

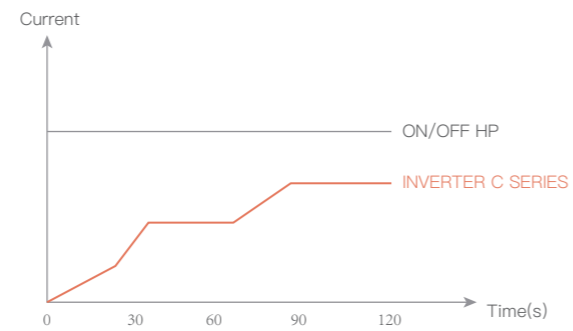


Heating Time
ON/OFF HP

Heating Time
INVERTER C SERIES

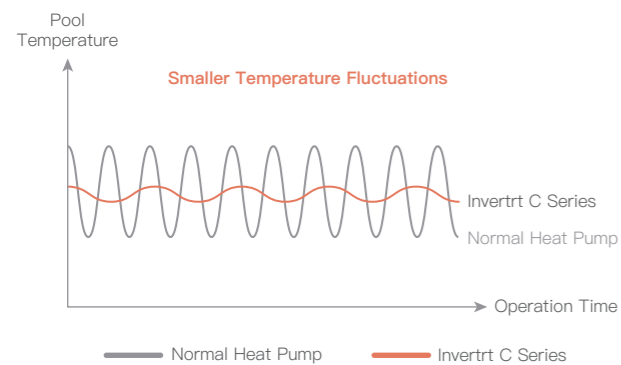
- By adopting the brushless DC fan motor and inverter compressors, Invertrt C Series can smartly adjust the speed of compressors and fan motors according to the temperature of air and water temperatures, which enables the heat pumps to heat your pool fast.

Soft Start



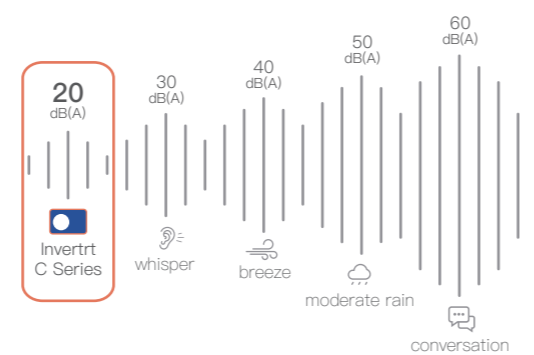
- Invertrt C Series achieve completely soft switching at the start-up stage from an intensity of 0A to 28A(at maximum), While the normal ON/OFF heat pumps start in a current intensity over three times higher, which Will greatly impact the family electricity system.

Constant Water Temperature



— Normal Heat Pump — Invertrt C Series

Quiet Operation



- Invertrt C Series can run amazingly quietly of 20dB(A) in Silent mode

PARAMETERS OF INVERTER C SERIES

Model: NE-F

		70SPR4INV	90SPR4INV	110SPR4INV	150SPR4INV	
Performance Air DB: 27°C WB: 24.3°C HR: 80% Water Inlet: 26°C Outlet: 28°C	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	14.2~6.43	14.5~6.5	14.5~6.4	14.4~6.35	
	Heating Capacity(kW) COP	Boost Mode	7.2 6.43	9.5 6.5	11.5 6.4	15.3 6.35
		Smart Mode	5.8 7.53	7.8 7.52	9.1 7.82	11.55 7.68
	Heating Capacity(kW) COP	Silent Mode	2.8 12.5	3.5 12.2	5.5 11.2	7.35 10.62
		Boost Mode	1.3~5.4 0.168~1.102 7.74~4.9	1.5~7.9 0.194~1.491 7.73~5.3	2.21~8.23 0.283~1.614 7.81~5.1	2.95~11.15 0.386~2.226 7.64~5.01
	Heating Capacity(kW) COP	Smart Mode	4.3 5.95	6.1 5.95	6.58 5.73	8.65 5.72
		Silent Mode	2.4 6.88	2.5 6.92	4.37 6.57	5.55 6.55
	Key Components	Casing	ABS Casing			
		Compressor	Mitsubishi DC Compressor			
		Heat Exchanger	Titanium heat exchanger			
Refrigerant		R32				
Power	Power Supply(V/Ph/Hz)	220~240V/1Ph/50Hz				
	Max.Power Input(kW)	1.61	1.75	2.3	3.2	
	Max.Current(A)	7.32	7.95	10.5	14.5	
Water system	Water Pressure Drop (kPa)	17	18	15	18	
	Water Flow (m³/h)	3.1	4.1	4.9	6.6	
	Maximum Swimming Pool Size (m³)	30	40	50	60	
	Water Pipe Connection (mm)	50				
Temperature	Heating Temp. Range (°C)	-10~43				
	Operating Temp. Range (°C)	15~40				
Sound	Sound Pressure Drop at 1m dB(A)	20~46	21~46	22~47	24~48	
	Dimension	Net Dimension(L*W*H)(mm)	910*360*620		1000*405*660	
Net Weight(kg)		37	39	45	48.5	

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