

Turtle Series

Residential ON /OFF Swimming Pool Heat Pump



R32/R410A Refrigerant Available



Optional Wi-Fi Control



Low Noise



Constant Water Temperature



Optional Appearance



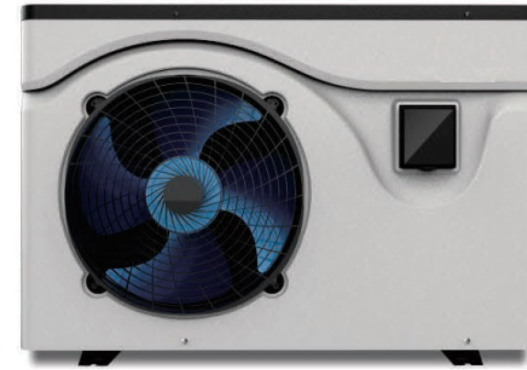
Optional Display

Model:	PH	PH-3TF	PH-6TF	PH-9TF	PH-12TF	PH-16TF
Ambient Temperature:(DB/WB)	27°C/24.3°C; Water Inlet/Outlet Temperature; 26°C/28°C.					
Heating Capacity (kW)		3.25	6.1	9.2	12.3	16.2
Power Input (kW)		0.53	1	1.52	2.05	2.7
COP		6.1	6.05	6.05	6	6.01
Ambient Temperature:(DB/WB)	15°C/12°C; Water Inlet Temperature: 26°C.					
Heating Capacity (kW)		2.75	4.52	6.5	8.57	11.3
Power Input (kW)		0.59	0.972	1.4	1.8	2.4
COP		4.67	4.65	4.7	4.7	4.72
Power Supply (V/Ph/Hz)	220-240V / 1Ph/50Hz					
Max. Power Input (kW)		1.05	1.6	2.2	2.65	3.6
Max. Current (A)		4.78	7.4	10.3	12.4	16.4
Operating Temperature Range (C)	-5-43					
Heating Temperature Range (C)	15-40					
Refrigerant Type	R32/R410A					
Compressor Brand	Mitsubishi / GMCC (Media)					
Sound Pressure at 1m dB(A)		45	45	46	47	48
Water Flow (m³/h)		1.45	2.7	4	5.3	7.1
Water Pressure Drop(kPa)		5	7	11	16	26
Net Dimensions (L*W*H)(mm)		910*355*660			940*380*670	
Net Weight (kg)		33	36	39	49	56
Water Pipe Connection (inlet/outlet)	50					

Notice:
 More plastic and galvanized steel appearances are available.
 The above data is for reference only, the specific data is subject to actual product.

Dolphin Series

Residential Inverter Swimming Pool Heat Pump



R32/R410A Refrigerant Available



Optional Wi-Fi Control



Fast Heating



High Energy Efficiency



Low Noise



Multiple Control Mode



Optional Display



Optional Appearance



Model: PH	PH-5TF-INV	PH-7TF-INV	PH-9TF-INV	PH-11TF-INV	PH-15TF-INV	PH-18TF-INV	
Ambient Temperature: (DBA/VB) 27°C/24.3°C; Water Inlet/Outlet Temperature: 26°C/28°C.							
Heating Capacity (kW)	1.5-5.5	1.5-7.2	1.8-9.5	2.8-11.5	3.5-15.3	4.35-18.0	
Power Input (kW)	0.104-0.84	0.106-1.12	0.124-1.46	0.193-1.79	0.243-2.41	0.306-2.83	
COP	14.4-6.55	14.2-6.43	14.5-6.5	14.5-6.4	14.4-6.35	14.2-6.36	
Boost Mode	Heating Capacity(kW)	5.5	7.2	9.5	11.5	15.3	18
	COP	6.55	6.43	6.5	6.4	6.35	6.36
Smart Mode	Heating Capacity(kW)	4.5	5.8	7.8	9.1	11.55	14.01
	COP	7.41	7.53	7.52	7.82	7.68	7.5
Silent Mode	Heating Capacity(kW)	2.1	2.8	3.5	5.5	7.35	8.7
	COP	12.2	12.5	12.2	11.2	10.62	10
Ambient Temperature : (DB/WB) 15°C/12°C; Water Inlet Temperature: 26°C.							
Heating Capacity (kW)	1.1-3.9	1.3-5.4	1.5-7.9	2.21-8.23	2.95-11.15	3.42-13.33	
Power Input (kW)	0.138-0.75	0.168-1.102	0.194-1.491	0.283-1.614	0.386-2.226	0.453-2.693	
COP	7.97-5.2	7.74-4.9	7.73-5.3	7.81-5.1	7.64-5.01	7.55-4.95	
Boost Mode	Heating Capacity(kW)	3.9	5.4	7.9	8.23	10.86	13.33
	COP	5.2	4.9	5.3	5.1	5.01	4.95
Smart Mode	Heating Capacity(kW)	3.1	4.3	6.1	6.58	8.65	10.55
	COP	5.92	5.95	5.95	5.73	5.72	5.68
Silent Mode	Heating Capacity(kW)	2.2	2.4	2.5	4.37	5.55	6.72
	COP	6.95	6.88	6.92	6.57	6.55	6.51
Power Supply (V/Ph/Hz)	220-240V/1Ph/50Hz						
Max. Power Input (kW)	1.31	1.61	1.75	2.3	3.2	3.9	
Max. Current (A)	5.95	7.32	7.95	10.5	14.5	17.7	
Heating Temperature Range (°C)	-10-43						
Operating Temperature Range (°C)	15-40						
Refrigerant Type	R32/R410A						
Compressor Brand	Mitsubishi						
Sound Pressure at 1m dB(A)	20-45	20-46	21-46	22-47	24-48	24-48	
Water Flow (m³/h)	2.4	3.1	4.1	4.9	6.6	7.7	
Water Pressure Drop (kPa)	15	17	18	15	18	23	
Net Dimensions(L*W*H) (mm)	910*360*620			1000*405*660			
Net Weight(kg)	33	37	39	44	47	52	
Water Pipe Connection (mm)	50						

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Swimming Pool Products

Residential Inverter Swimming Pool Heat Pump

Model:	PH	PH-21TF-INV	PH-25TF-INV	PH-21TF-INV	PH-25TF-INV	PH-28TF-INV
Ambient Temperature: (DB/WB) 27°C/24.3°C; Water Inlet/Outlet Temperature: 26°C/28°C.						
Heating Capacity (kW)		4.72-21.2	4.78-25.3	4.70-21.1	4.78-25.3	4.95-28.1
Power Input (kW)		0.33-3.59	0.34-4.3	0.33-3.59	0.33-4.36	0.35-5.1
COP		14.3-5.91	14.1-5.88	14.2-5.88	14.48-5.8	14-5.51
Boost Mode	Heating Capacity(kW)	21.2	25.3	21.1	25.3	28.1
	COP	5.91	5.88	5.88	5.8	6.15
Smart Mode	Heating Capacity(kW)	17	20.4	17.1	20.36	22.61
	COP	7.85	7.4	7.85	7.38	7.42
Silent Mode	Heating Capacity(kW)	10.2	12.3	10.3	12.53	13.91
	COP	10.1	10.2	10.1	10.8	11.8
Ambient Temperature : (DB/WB) 15°C/12°C; Water Inlet Temperature :26°C.						
Heating Capacity (kW)		3.5-14.2	3.8-17.1	3.52-14.07	3.61-16.7	4.05-18.5
Power Input (kW)		0.47-2.88	0.49-3.47	0.460-2.865	0.476-3.394	0.537-3.737
COP		7.45-4.93	7.76-4.93	7.65-4.91	7.58-4.92	7.54-4.95
Boost Mode	Heating Capacity(kW)	14.2	17.1	14.07	16.7	18.5
	COP	4.93	4.93	4.91	4.92	4.95
Smart Mode	Heating Capacity(kW)	11.2	13.5	11.13	13.21	14.63
	COP	5.8	5.84	5.69	5.67	5.72
Silent Mode	Heating Capacity(kW)	7.5	8.3	7.09	8.41	9.31
	COP	6.5	6.52	6.65	6.57	6.51
Power Supply (V/Ph/Hz)		220-240V/1Ph/50Hz		380-415V / 3Ph / 50Hz		
Max. Power Input (kW)		4.1	4.5	4.1	4.5	5.4
Max. Current (A)		18.8	19.5	7.3	8.5	10.2
Heating Temperature Range (C)		-10-43				
Operating Temperature Range (C)		15-40				
Refrigerant Type		R32/R410A				
Compressor Brand		Mitsubishi				
Sound Pressure at 1m dB(A)		35-52	35-55	35-52	35-55	36-55
Water Flow (m /h)		9.1	10.8	9.1	10.8	12
Water Pressure Drop (kPa)		32	35	32	35	38
Net Dimensions L*W*H (mm)		1130*445*775				
Net Weight (kg)		75	85	75	85	90
Water Pipe Connection (mm)		50				

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Key Components



Louvered Corrugated Fin



Mitsubishi Inverter Compressor



DC Fan Motor



4-way Valve



Optional Display



SANHUA Electronic Expansion Valve

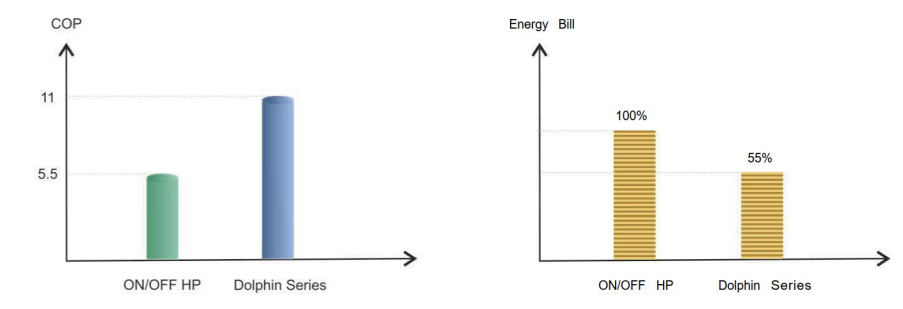


Titanium Heat Exchanger



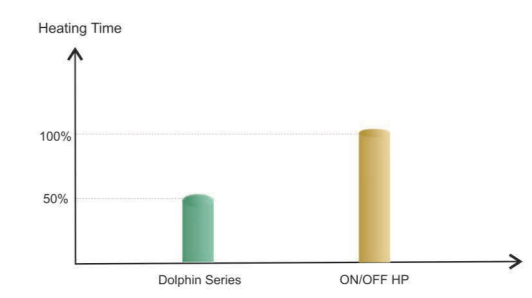
Smart Controller

High Efficiency



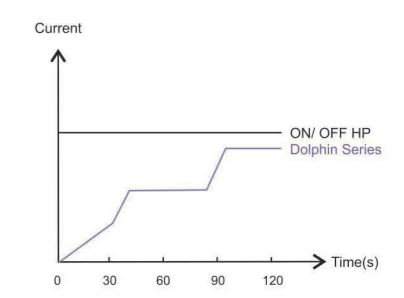
Thanks to its full DC inverter technology, DC compressor & DC fan motor, Dolphin Series is with much higher efficiency than the ON/OFF heat pumps, thus, contributing to saving more energy bill for you.

Fast Heating



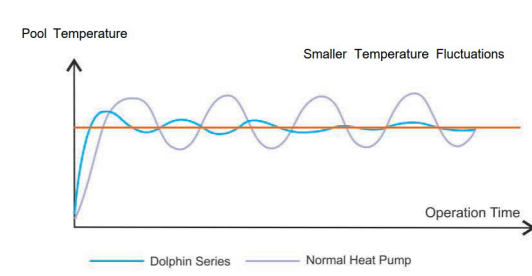
By adopting the brushless DC fan motor and inverter compressors, New Energy Dolphin Series can smartly adjust the speed of compressors and fan motors according to the temperature of air and water temperatures, which enables the heat pumps to heat your pool fast.

Soft Start

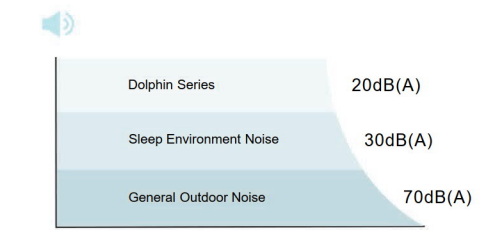


New Energy Dolphin Series achieve completely soft switching at the start-up stage from an intensity of 0A to 28A(at maximum), while the normal ON/OFF heat pumps start in a current intensity over three times higher, which will greatly impact the family electricity system.

Constant Water Temperature



Quiet Operation



Thanks to New Energy engineers' elaborate design and constant effort to reduce the noise, New Energy Dolphin Series can run amazingly quietly of 20dB(A) in silent mode.

Swimming Pool Products > Residential Inverter Swimming Pool Heat Pump