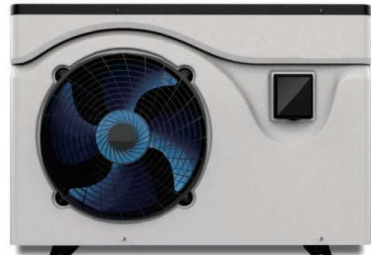


Dolphin Series

Residential Inverter Swimming Pool Heat Pump



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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	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	0.263-1.614	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	5.58	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	5.57	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*820			1000*405*660			
Net Weight(kg)	33	37	39	44	47	52	
Water Pipe Connection (mm)	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.



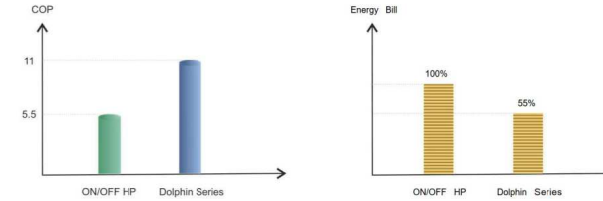
Model:	PH	PH-21TF-INV	PH-25TF-INV	PH-21TF-INV	PH-25TF-INV	PH-28TF-INV
Ambient Temperature: (DB/WB) 27°C/24.3°C; Water Inlet/Outlet Temperature: 26°C/28°C.						
Heating Capacity (kW)	4.72-21.2	4.78-25.3	4.70-21.1	4.78-25.3	4.95-23.1	
Power Input (kW)	0.33-3.59	0.34-4.3	0.33-3.59	0.33-4.36	0.35-5.1	
COP	14.3-5.91	14.1-5.88	14.2-5.88	14.48-5.8	14.5-5.1	
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					

Notice:
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Key Components

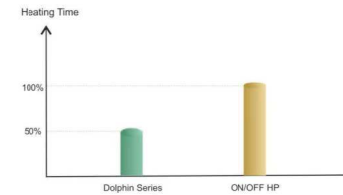


High Efficiency



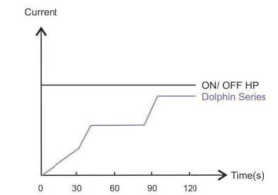
Thanks to its full DC inverter technology, DC compressor & DC fan motor, Dolphin Series is with much higher efficiency than the ON/OFF heat pumps, thus, contributing to saving more energy bill for you.

Fast Heating



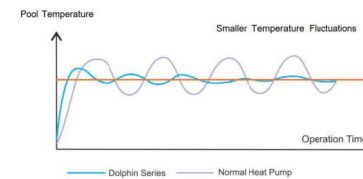
By adopting the brushless DC fan motor and inverter compressors, New Energy Dolphin Series can smartly adjust the speed of compressors and fan motors according to the temperature of air and water temperatures, which enables the heat pumps to heat your pool fast.

Soft Start



New Energy Dolphin Series achieve completely soft switching at the start-up stage from an intensity of 0A to 23A (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.