

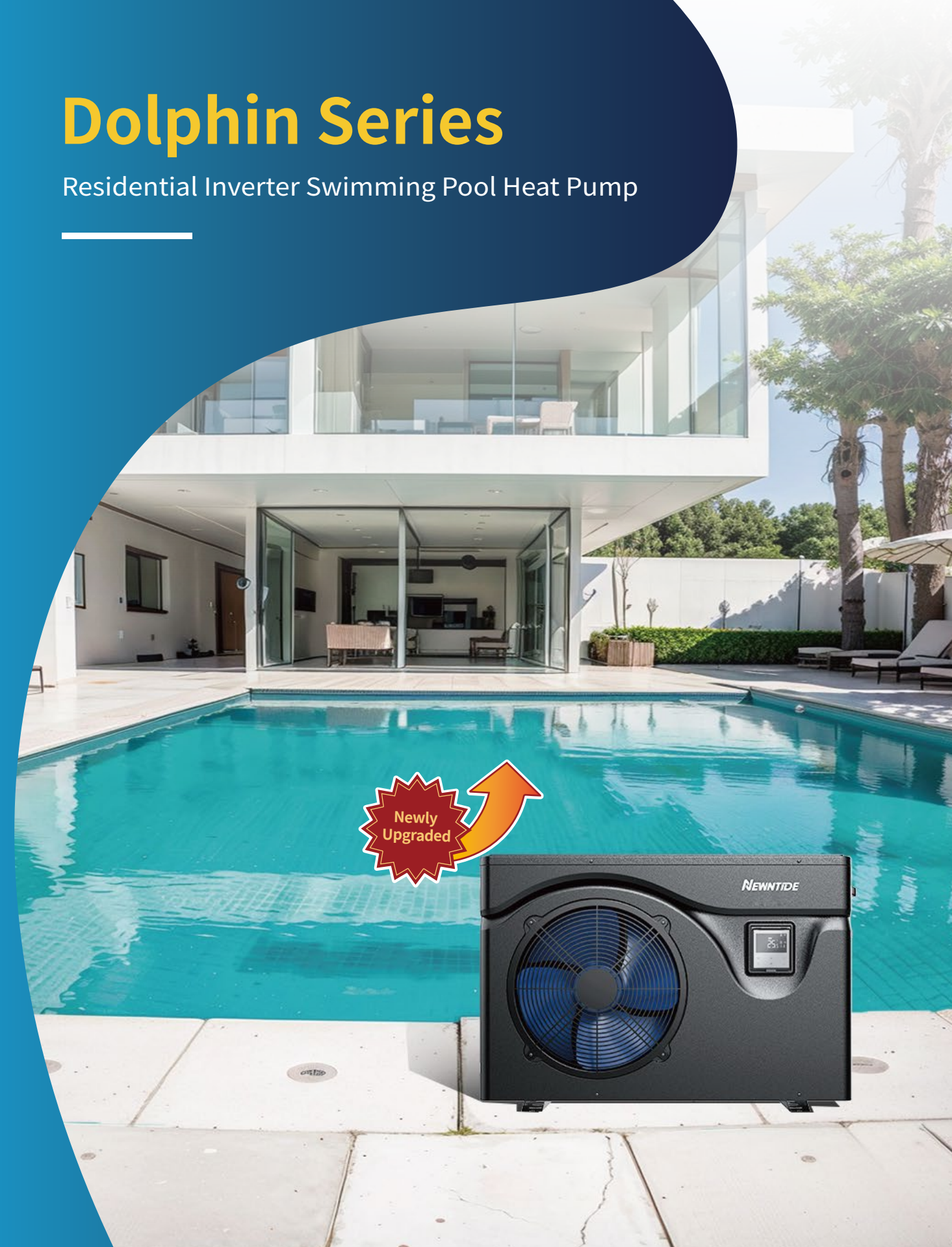


Dolphin Series

Residential Inverter Swimming Pool Heat Pump

NEWNTIDE

Warm your life with silent tech



Official Website

Version: 2024.12

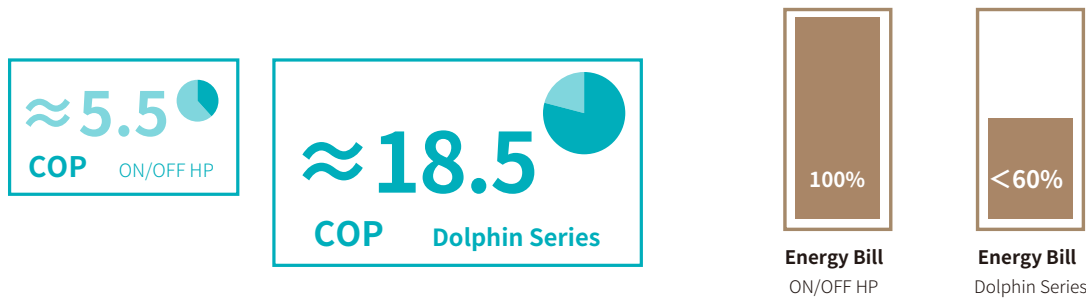
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18.5 x Energy Saving

Compared with other products rated under different operating conditions, this pool heat pump can achieve a COP up to 18.5 under standard conditions with an ambient temp. of 27°C and a water temp. of 26°C, ensuring reliable performance and exceptional heating efficiency.



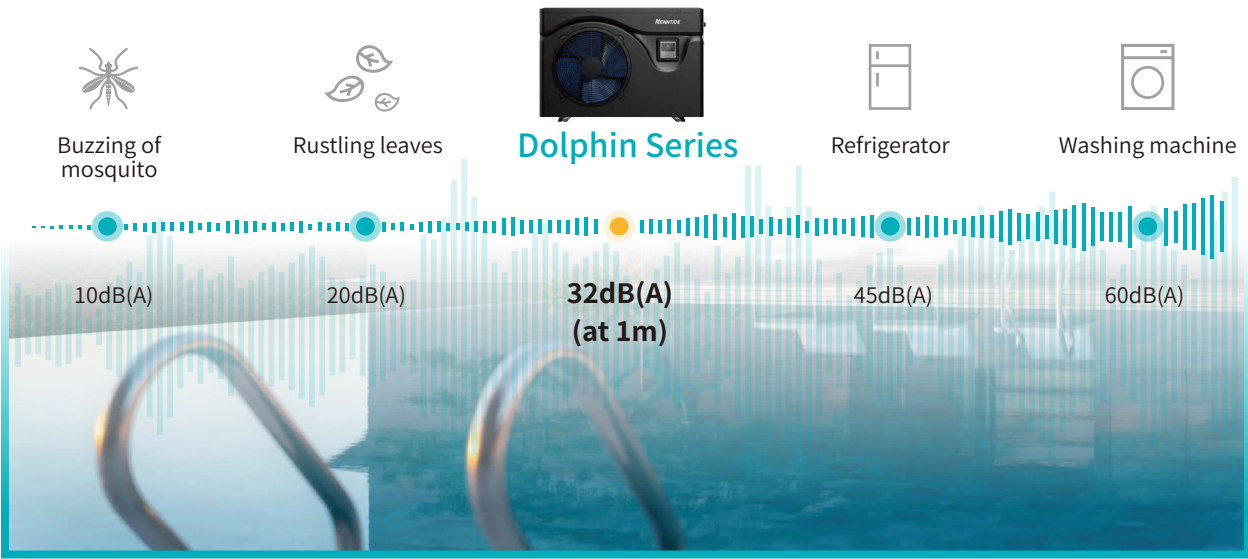
Wide Operating Ambient Temp Range

This pool heat pump features chassis heating elements, ensuring optimal performance across a wider range of climates, allowing for efficient pool heating even under -15°C.



Low-Noise Operation

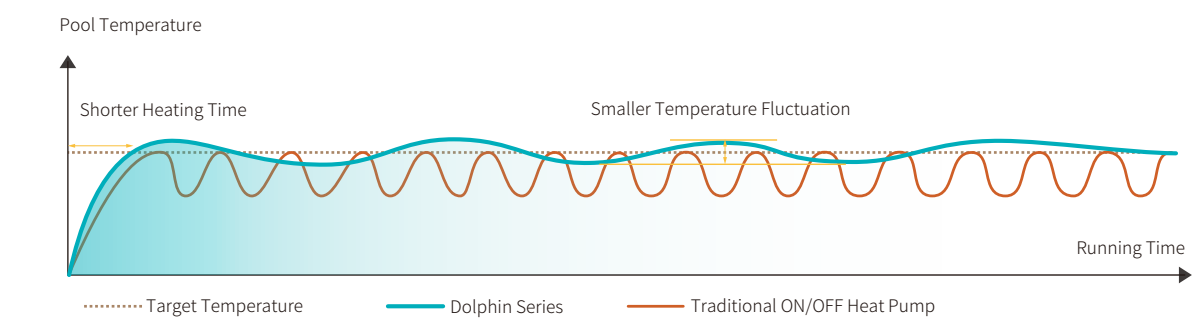
Equipped with a renowned DC Inverter compressor, Dolphin Series reduces noise through compressor enclosures, vibration damping, fan blade design and airflow optimization, delivering an ultra-quiet performance as low as 32dB(A) at 1 meter.



New Upgrades

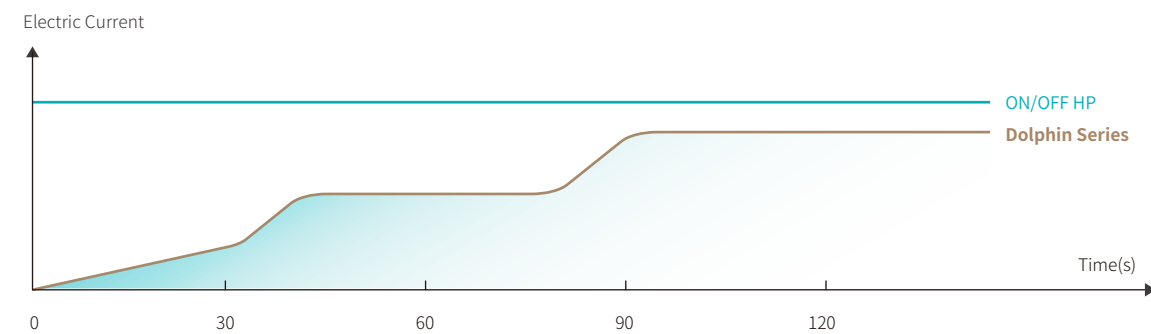
- Noise Reduction**
 - Sound-absorbing cottons
 - Compressor insulation
- Vibration Reduction**
 - Thickened chassis
 - Two-layer vibration-damping bases
 - Soft-contact compressor mounting
- Temperature Adaptation**
 - Chassis heating belt
 - Wider operating temp. range
- Airflow Optimization**
 - Optimized air intake mesh design
 - Enlarged fan blades, lower rotational speed
 - Streamlined stamped air deflector design

Constant Water Temperature



Soft Start

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



Remote Control

The Dolphin Series pool heat pump comes with IoT and Wi-Fi connectivity, enabling real-time monitoring, temperature adjustment, scheduling, and energy tracking via an app or IoT platform. This ensure a smart, efficient, and user-friendly experience for the end-users.



More Choices

Available in both sheet metal and plastic finishes, these two options are designed with up to 90% parts compatibility. This ensures greater flexibility in appearance customization while meeting both functional and aesthetic needs.



Model: NE-F	70SPR4INVM-P	90SPR4INVM-P	110SPR4INVM-P	150SPR4INVM-P	180SPR4INVM-P
Performance Condition: Ambient Temperature: (DB/WB) 27°C/24.3°C; Water Inlet/Outlet Temperature: 26°C/28°C.					
Heating Capacity (kW)	2.17~7.5	2.35~9.3	2.56~11.06	3.09~15.26	4.51~18.04
Consumed Power (kW)	0.12~1.15	0.13~1.35	0.14~1.62	0.17~2.35	0.25~2.97
COP	18.10~6.52	18.12~6.88	18.26~6.79	18.19~6.49	18.03~6.06
Performance Condition: Ambient Temperature: (DB/WB) 15°C/12°C; Water Inlet Temperature: 26°C.					
Heating Capacity (kW)	1.86~5.58	1.43~6.60	1.76~8.05	2.05~10.54	2.66~14.37
Consumed Power (kW)	0.24~1.17	0.17~1.43	0.21~1.63	0.28~2.18	0.43~2.77
COP	7.75~4.76	8.25~4.61	8.2~4.91	7.2~4.82	6.06~5.18
Performance Condition: Ambient Temperature: (DB/WB) 35°C/-; Water Inlet/Outlet Temperature: 30°C/28°C.					
Cooling Capacity (kW)	1.78~3.72	1.92~5.12	2.48~5.94	3.41~5.01	4.15~5.44
Consumed Power (kW)	0.22~0.84	0.24~1.22	0.31~1.54	1.13~1.82	1.53~2.22
EER	7.92~4.43	7.86~4.20	7.85~3.87	3.02~2.76	2.71~2.45
Max. Power Input (kW)	1.2	1.6	1.9	3.1	4.0
Max. Current (A)	6.82	9.1	10.8	14.1	18.2
Advised Pool Volume (m³)	15~30	20~40	25~50	30~60	35~70
Power Supply	220-240V~/ 50Hz	220-240V~/ 50Hz	220-240V~/ 50Hz	220-240V~/ 50Hz	220-240V~/ 50Hz
Running Ambient Temp. Range (°C)	-15~43	-15~43	-15~43	-15~43	-15~43
Heating Temperature Range (°C)	15~40	15~40	15~40	15~40	15~40
Cooling Temperature Range (°C)	8~28	8~28	8~28	8~28	8~28
Refrigerant	R32	R32	R32	R32	R32
Quantities (kg)	0.43	0.55	0.65	0.65	0.8
Compressor Type	Rotary	Rotary	Rotary	Rotary	Rotary
Compressor Brand	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi
Gas Control	EEV	EEV	EEV	EEV	EEV
4-Way Valve	Yes	Yes	Yes	Yes	Yes
Fan Quantity	1	1	1	1	1
Heat Exchanger	Titanium in PVC	Titanium in PVC	Titanium in PVC	Titanium in PVC	Titanium in PVC
Casing Material	ABS Plastic /	ABS Plastic /	ABS Plastic /	Galvanized	Galvanized
	Galvanized Sheet	Galvanized Sheet	Galvanized Sheet	Sheet	Sheet
Water Pipe Connection (mm)	48.3/50	48.3/50	48.3/50	48.3/50	48.3/50
Sound Pressure 1m dB (A)	32~45	33~47	33~47	34~48	34~48
Water Flow Volume (m³/h)	3.1	4	4.73	6.6	7.7
Water Pressure Drop (kpa)	5.00	16.00	18.00	15.00	23.00
Electric Shock Proof	I	I	I	I	I
Water Proof Level	IPX4	IPX4	IPX4	IPX4	IPX4
WiFi Function	✓	✓	✓	✓	✓
Net Dimensions(L*W*H) (mm)	907×353×616	907×353×616	907×353×616	970×399×658	970×399×658
Packing Dimensions(L*W*H) (mm)	1022×381×633	1022×381×633	1022×381×633	1112×437×677	1112×437×677

Model: NE-F	210SPR4INVM-P	250SPR4INVM-PK	210SPR4TINVM-P	250SPR4TINVM-PK	280SPR4TINVM-PK
Performance Condition: Ambient Temperature: (DB/WB) 27°C/24.3°C; Water Inlet/Outlet Temperature: 26°C/28°C.					
Heating Capacity (kW)	5.43~19.96	5.10~23.75	5.43~19.96	5.10~23.75	5.77~26.70
Consumed Power (kW)	0.30~3.22	0.27~3.90	0.30~3.22	0.27~3.90	0.31~4.50
COP	18.10~6.19	18.49~6.06	18.10~6.19	18.49~6.06	18.51~5.92
Performance Condition: Ambient Temperature: (DB/WB) 15°C/12°C; Water Inlet Temperature: 26°C.					
Heating Capacity (kW)	2.79~14.23	3.47~16.98	2.79~14.23	3.47~16.98	8.23~20.24
Consumed Power (kW)	0.41~3.05	0.41~3.43	0.41~3.05	0.41~3.43	1.06~3.75
COP	6.71~4.65	8.34~4.94	6.71~4.65	8.34~4.94	7.74~5.39
Performance Condition: Ambient Temperature: (DB/WB) 35°C/-; Water Inlet/Outlet Temperature: 30°C/28°C.					
Cooling Capacity (kW)	4.4~10.12	4.6~11.5	4.4~10.12	4.6~11.5	4.65~16.06
Consumed Power (kW)	0.57~2.08	0.59~2.38	0.57~2.08	0.59~2.38	0.59~3.99
EER	7.75~4.86	7.81~4.88	7.75~4.86	7.81~4.88	7.82~4.03
Max. Power Input (kW)	4.1	4.9	4.1	4.9	5.0
Max. Current (A)	18.8	22.3	10.8	12.9	13.2
Advised Pool Volume (m³)	45~80	55~90	45~80	55~90	65~100
Power Supply	220-240V~/ 50Hz	220-240V~/ 50Hz	380-415V/3N~/50Hz	380-415V/3N~/50Hz	380-415V/3N~/50Hz
Running Ambient Temp. Range (°C)	-10~43	-10~43	-10~43	-10~43	-10~43
Heating Temperature Range (°C)	15~40	15~40	15~40	15~40	15~40
Cooling Temperature Range (°C)	8~28	8~28	8~28	8~28	8~28
Refrigerant	R32	R32	R32	R32	R32
Quantities (kg)	1.3	1.6	1.3	1.6	1.9
Compressor Type	Rotary	Rotary	Rotary	Rotary	Rotary
Compressor Brand	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi
Gas Control	EEV	EEV	EEV	EEV	EEV
4-Way Valve	Yes	Yes	Yes	Yes	Yes
Fan Quantity	1	1	1	1	1
Heat Exchanger	Titanium in PVC	Titanium in PVC	Titanium in PVC	Titanium in PVC	Titanium in PVC
Casing Material	ABS Plastic /	ABS Plastic /	ABS Plastic /	ABS Plastic /	ABS Plastic /
	Galvanized Sheet	Galvanized Sheet	Galvanized Sheet	Galvanized Sheet	Galvanized Sheet
Water Pipe Connection (mm)	48.3/50	48.3/50	48.3/50	48.3/50	48.3/50
Sound Pressure 1m dB (A)	35~50	35~52	35~50	35~52	36~52
Water Flow Volume (m³/h)	9.1	10.8	9.1	10.8	12
Water Pressure Drop (kpa)	41	59	41	59	59
Electric Shock Proof	I	I	I	I	I
Water Proof Level	IPX4	IPX4	IPX4	IPX4	IPX4
WiFi Function	✓	✓	✓	✓	✓
Net Dimensions(L*W*H) (mm)	1100×455×765	1100×455×765	1100×455×765	1100×455×765	1100×455×765
Packing Dimensions(L*W*H) (mm)	1112×437×677	1240×487×782	1240×487×782	1240×487×782	1240×487×782

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