NEWNTIDE®

Comfort your life with silent tech

NEWNTIDE

HEAT PUMP

PRODUCT CATALOGUE

Swimming Pool Heating

285mm

Official Website

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Version: April 2026

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Walrus Series

R290 Residential Inverter Swimming Pool Heat Pump

R290
Eco-Friendly

Heating & Cooling

Quiet
Super Silent

Built-in WiFi

R290 Refrigerant

Using the eco-friendly R290 refrigerant—with a Global Warming Potential (GWP) of only 3—the Walrus Series pool heat pump delivers exceptional performance with minimal environmental impact. It contributes zero harm to the ozone layer, making it the ideal choice for low-carbon heating systems.

Engineered with full DC inverter technology, this series boasts a COP of ≥18. Even in a wide range of environmental conditions, it intelligently and automatically regulates heat output to the swimming pool, significantly reducing energy consumption. With energy efficiency far exceeding that of fixed-speed heat pumps, it delivers a cost-effective, practical and sustainable pool heating solution for you.

ZENSILENCE

* Multi-layered Noise Reduction Technology

With multiple noise reduction design NEWNTIDE Walrus Series can run amazingly quietly as low as 31dB(A)@1m. Powered by full DC inverter technology, it ensures intelligent and precise frequency control, delivering optimized performance with minimal energy consumption.

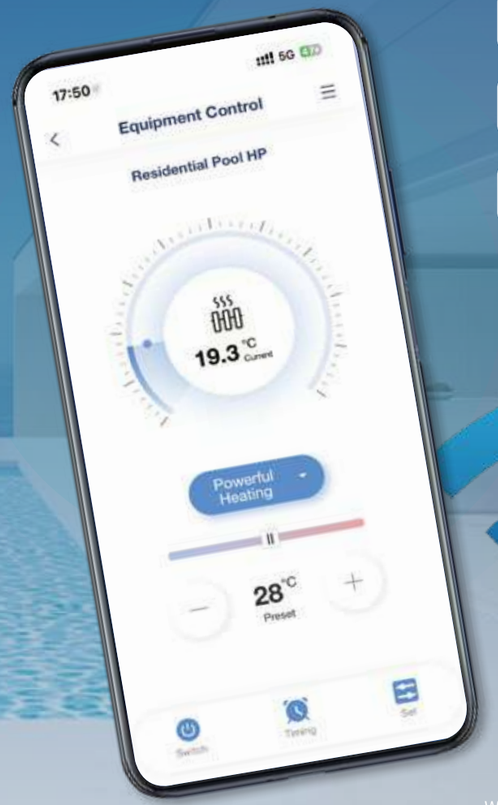
Heat Conversion Upgrade

The heat exchanger of this series has increased the heat transfer area by 50%, significantly boosting heat conversion efficiency and enhancing overall performance.

Smart Control

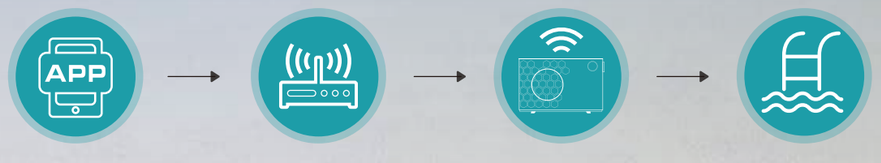
Well-design control logic is programmed in the PCB. It can ensure that the unit runs steadily at its optimal condition.

- User-friendly interface
- Timer setting
- Water Temp. measurement accuracy of 0.1℃
- Full Wi-Fi integration for easy, remote monitoring and optimization.



Built-in Wi-Fi

Wi-Fi function is already built in Walrus Series as a standard configuration.



Four-Season Swimming

Walrus Series pool heat pump adopts full DC Inverter technology, widening its running ambient temperature range to -20~45℃. Therefore， the swimming season is extended to four seasons, which means the pool investment return is extended too.

4-inch Multi-Language Wired Controller

* 11-language support for intuitive, flexible operation

Boasting a 4-inch multi-language wired controller, this series supports touch-activated smart control and features real-time power consumption display — allowing on-demand checking of device power usage across all time periods. Truly user-centric, it offers 11 languages, including Chinese, English, German, Polish, French, Spanish, Italian, Portuguese, Dutch, Ukrainian, Russian and Turkish. (Custom languages available upon request)

Two Controller Options

Durable & Customizable

Walrus Series comes standard with a sheet metal casing, crafted from corrosion-resistant materials to ensure durability and reliable operation. Other materials can be flexibly customized to meet your specific needs and preferences.

Model: NE-F	90SPR5INVM-SA	110SPR5INVM-SA	130SPR5INVM-SA	160SPR5INVM-SA	160SPR5TINVM-SA
*Advised Pool Volume (m^3)	20~40	25~50	30~55	35~65	35~65
Performance Condition: Ambient Temperature: (DB/WB) 27℃/24.3℃; Water Inlet/Outlet Temperature: 26℃/28℃.					
Heating Capacity (kW)	2.2~8.43	2.53~10.30	3.08~12.80	4.02~16.43	4.03~16.43
COP	18.33~7.14	18.07~7.05	18.10~5.77	18.30~5.44	18.3~5.44
Performance Condition: Ambient Temperature: (DB/WB) 15℃/12℃; Water Inlet Temperature: 26℃.					
Heating Capacity (kW)	1.31~6.03	1.59~7.37	1.94~8.97	2.54~11.75	2.54~11.75
COP	8.18~4.86	8.38~4.85	7.19~4.53	7.06~4.40	7.06~4.40
Performance Condition: Ambient Temperature: (DB/WB) 35℃/~; Water Inlet/Outlet Temperature: 30℃/28℃.					
Cooling Capacity (kW)	1.99~4.38	2.29~5.46	2.81~6.53	3.38~8.05	3.38~8.05
EER	7.96~3.84	7.90~3.90	8.03~3.82	8.05~3.85	8.05~3.85
Max. Power Input (kW)	1.51	1.92	2.90	3.89	3.83
Max. Current (A)	6.95	8.82	13.35	17.86	7.8
Power Supply	220-240V~/ 50Hz				380-415V/3N~/50Hz
Running Ambient Temp. Range (℃)	-20~45				
Heating Temperature Range (℃)	15~40				
Cooling Temperature Range (℃)	8~28				
Refrigerant	R290				
Heat Exchanger	Titanium in PVC				
Water Pipe Connection (mm)	50				
Sound Pressure 1m dB (A)	31~44	32~45	32~46	33~47	33~47
Water Flow Volume (m^3/h)	3.8	4.2	5.3	6.8	6.8
Water Pressure Drop (kpa)	12	16	18	15	23
Electric Shock Proof	I	I	I	I	I
Water Proof Level	IPX4	IPX4	IPX4	IPX4	IPX4
Net Dimensions(L×W×H) (mm)	970 x 360 x 610		1080 x 470 x 715		

Model: NE-F	200SPR5INVM-SA	200SPR5TINVM-SA	280SPR5INVM-SA	280SPR5TINVM-SA	350SPR5TINVM-SA
*Advised Pool Volume (m^3)	40~75	40~75	65~100	65~100	95~160
Performance Condition: Ambient Temperature: (DB/WB) 27℃/24.3℃; Water Inlet/Outlet Temperature: 26℃/28℃.					
Heating Capacity (kW)	4.92~20.5	4.92~20.5	7.25~27.8	7.25~27.8	8.73~34.8
COP	18.2~5.38	18.2~5.38	18.1~5.40	18.1~5.40	18.18~5.63
Performance Condition: Ambient Temperature: (DB/WB) 15℃/12℃; Water Inlet Temperature: 26℃.					
Heating Capacity (kW)	3.18~14.7	3.18~14.7	4.31~19.9	4.31~19.9	5.37~24.8
COP	7.07~4.38	7.07~4.38	7.19~4.38	7.19~4.38	7.36~4.71
Performance Condition: Ambient Temperature: (DB/WB) 35℃/~; Water Inlet/Outlet Temperature: 30℃/28℃.					
Cooling Capacity (kW)	4.49~10.45	4.49~10.45	6.60~14.45	6.60~14.45	7.78~18.1
EER	8.02~3.81	8.02~3.81	8.02~3.72	8.02~3.72	8.10~3.83
Max. Power Input (kW)	4.99	4.95	6.74	6.69	7.84
Max. Current (A)	22.95	10.3	30.97	13.7	16.2
Power Supply	220-240V~/ 50Hz	380-415V/3N~/50Hz	220-240V~/ 50Hz	380-415V/3N~/50Hz	380-415V/3N~/50Hz
Running Ambient Temp. Range (℃)	-20~45				
Heating Temperature Range (℃)	15~40				
Cooling Temperature Range (℃)	8~28				
Refrigerant	R290				
Heat Exchanger	Titanium in PVC				
Water Pipe Connection (mm)	50				
Sound Pressure 1m dB (A)	34~51	34~51	34~53	34~53	35~55
Water Flow Volume (m^3/h)	8.5	8.5	11	11	15
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
Net Dimensions(L×W×H) (mm)	1178 x 518 x 872				1166 x 521 x 1171

Notice:The above data is for reference only. The specs data is subject to actual product.

Sealion Series

R32 Residential Inverter Swimming Pool Heat Pump

18.89XEnergy Saving

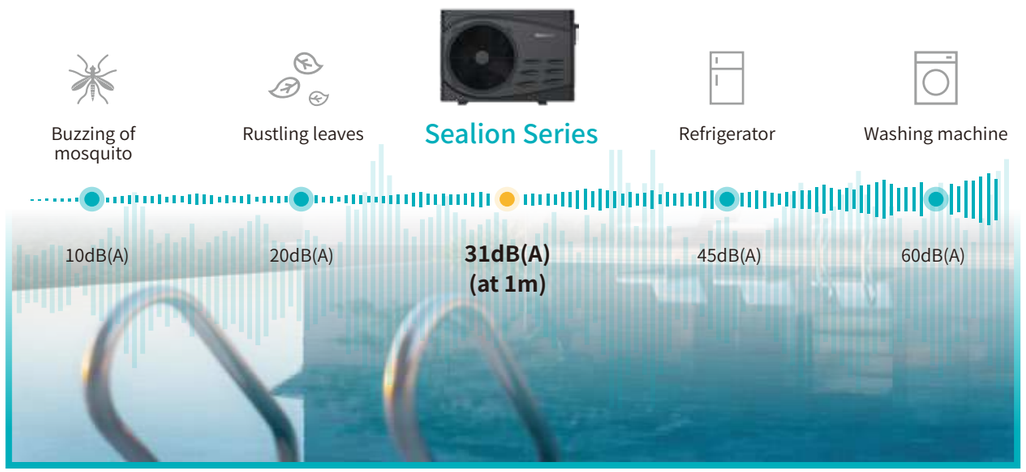
Compared with other products rated under different operating conditions, Sealion Series can achieve a COP up to 18.89 under standard conditions with an ambient temp. of 27℃ and a water temp. of 26℃, ensuring reliable performance and exceptional heating efficiency.

Wide Operating Ambient Temp Range

Sealion Series features chassis heating elements, ensuring optimal performance across a wider range of climates, allowing for efficient pool heating even under -15℃.

Low-Noise Operation

Equipped with a renowned DC Inverter compressor, Sealion Series reduces noise through compressor enclosures, vibration damping, fan blade design and airflow optimization, delivering an ultra-quiet performance as low as 31dB(A)at 1 meter.



Key System Enhancements

★ **Noise Reduction**

Sound-absorbing cottons
Compressor insulation

★ **Vibration Reduction**

Thickened chassis
Two-layer vibration-damping bases
Soft-contact compressor mounting

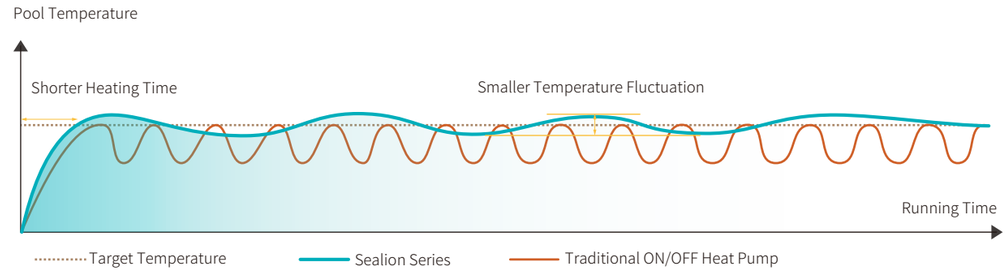
★ **Temperature Adaptation**

Chassis heating belt
Wider operating temp. range

★ **Airflow Optimization**

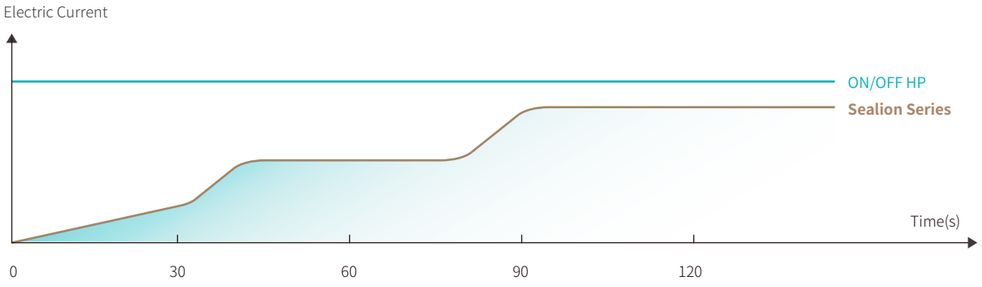
Optimized air intake mesh design
Enlarged fan blades, lower rotational speed
Streamlined stamped air deflector design

Constant Water Temperature



Soft Start

Sealion 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.



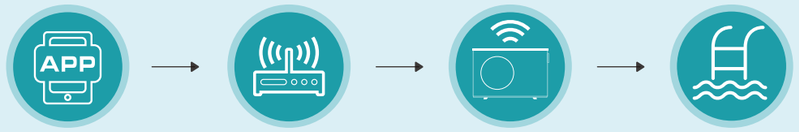
- User-friendly interface
  (Intuitive icon, and text)
- Timer setting
- Water temp. accuracy to 0.1℃
- Multi-function in 7 modes
- Compatible with centralizing system

Built-in Wi-Fi

Wi-Fi function is already built in Walrus Series as a standard configuration.
On Walrus series, WIFI box is no longer required. And the setting is also simpler.

Remote Control

The Sealion 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.



Download from APP Store → Home Router → Wi-Fi Connection → App Control

Model: NE-F	70SPR4INVMSL-P	90SPR4INVMSL-P	110SPR4INVMSL-P	150SPR4INVMSL-P	180SPR4INVMSL-P
Performance Condition: Ambient Temperature: (DB/WB) 27°C/24.3°C; Water Inlet/Outlet Temperature: 26°C/28°C.					
Heating Capacity (kW)	2.17~7.48	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	18.08~6.50	18.08~6.89	18.29~6.83	18.18~6.49	18.04~6.07
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	7.75~4.77	8.41~4.62	8.38~4.94	7.32~4.83	6.19~5.19
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	1.88~5.01	2.04~5.44
Consumed Power (kW)	0.22~0.84	0.24~1.22	0.31~1.54	0.23~1.81	0.26~2.22
EER	8.09~4.43	8.00~4.20	8.00~3.86	8.17~2.77	7.85~2.45
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 (m^3)	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 / Galvanized Sheet	ABS Plastic / Galvanized Sheet	ABS Plastic / Galvanized Sheet	Galvanized Sheet	Galvanized Sheet
Water Pipe Connection (mm)	50	50	50	50	50
Sound Pressure 1m dB (A)	31~44	32~46	32~46	33~47	33~47
Water Flow Volume (m^3/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	1000×399×658	1000×399×658
Net Weight (kg)	44	46	48	53	62

Model: NE-F	210SPR4INVMSL-P	250SPR4INVMSL-P	210SPR4TINVMSL-P	250SPR4TINVMSL-P	280SPR4TINVMSL-P
Performance Condition: Ambient Temperature: (DB/WB) 27°C/24.3°C; Water Inlet/Outlet Temperature: 26°C/28°C.					
Heating Capacity (kW)	5.43~20.52	5.10~24.68	5.43~20.52	5.10~24.68	5.77~27.57
Consumed Power (kW)	0.30~3.09	0.27~3.87	0.30~3.09	0.27~3.87	0.31~4.48
COP	18.10~6.64	18.89~6.38	18.10~6.64	18.89~6.38	18.61~6.15
Performance Condition: Ambient Temperature: (DB/WB) 15°C/12°C; Water Inlet Temperature: 26°C.					
Heating Capacity (kW)	2.79~14.7	3.47~18.4	2.79~14.7	3.47~18.4	8.23~19.5
Consumed Power (kW)	0.41~3.02	0.41~3.85	0.41~3.02	0.41~3.85	1.06~4.32
COP	6.80~4.87	8.46~4.78	6.80~4.87	8.46~4.78	7.76~4.51
Performance Condition: Ambient Temperature: (DB/WB) 35°C/-; Water Inlet/Outlet Temperature: 30°C/28°C.					
Cooling Capacity (kW)	4.28~11.4	4.74~12.66	4.28~11.4	4.74~12.66	6.17~16.46
Consumed Power (kW)	0.54~3.35	0.60~4.15	0.54~3.35	0.60~4.15	0.78~5.15
EER	7.93~3.4	7.90~3.05	7.93~3.4	7.90~3.05	7.91~3.20
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 (m^3)	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)	-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）	1.3	1.6	1.3	1.6	1.7
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 / Galvanized Sheet	ABS Plastic / Galvanized Sheet	ABS Plastic / Galvanized Sheet	ABS Plastic / Galvanized Sheet	ABS Plastic / Galvanized Sheet
Water Pipe Connection (mm)	50	50	50	50	50
Sound Pressure 1m dB (A)	34~49	34~51	34~49	34~51	35~51
Water Flow Volume (m^3/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)	1115×455×765	1115×455×765	1115×455×765	1115×455×765	1115×455×765
Net Weight (kg)	75	80	77	82	82

Notice:
The data above is only for reference.For specific data.please refer to the nameplate on the unit.
*Advised pool volume applies to a private pool with isothermal cover,from April to September.

Shark Series

R32 Commercial Inverter Swimming Pool Heat Pump

Applications

With powerful capacity and high efficiency, Shark Series can be suitable for aqua parks, hotels, gyms and so on.

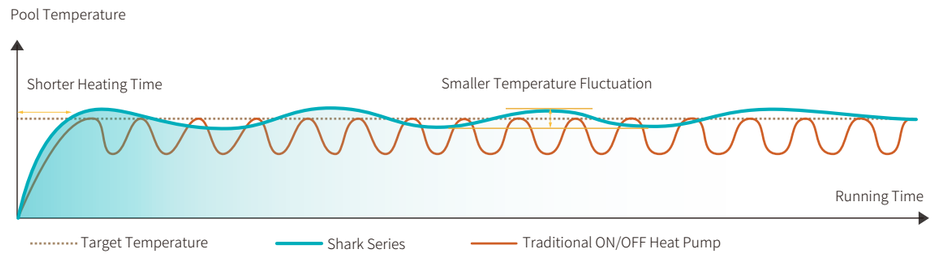

Aqua Parks


Hotels


Gyms

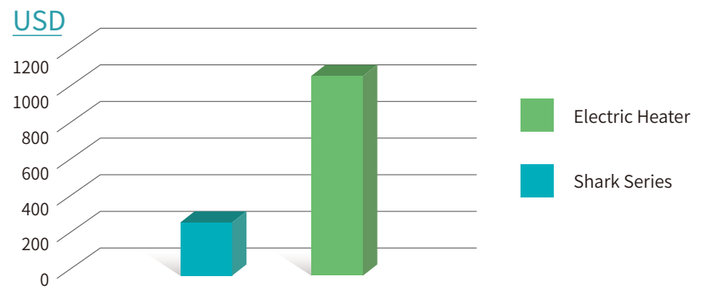
Full DC Inverter Technology

NEWNTIDE adopts full inverter technology for the commercial pool heat pump. With an inverter compressor, the Shark Series heats the water to the target temperature in a shorter time, and the water temperature remains stable as running time goes by.



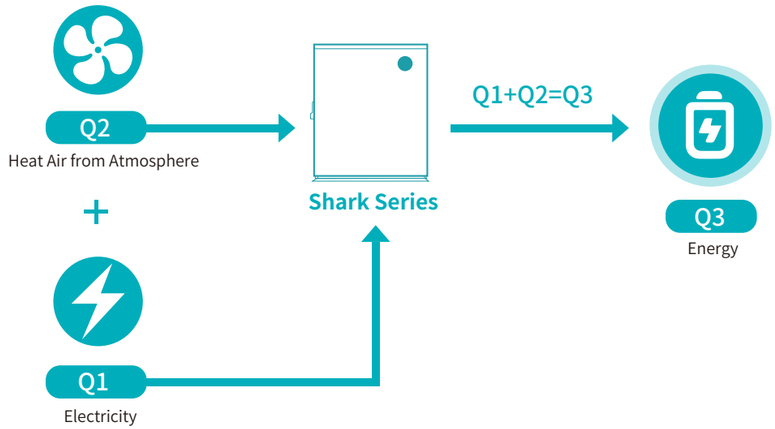
Low Running Cost

Adopting full inverter technology and special design, soft start and fast heating can be realized. And water temperature will be more constant, making you enjoy swimming all the time.



Super Performance

The heat pump obtains a large amount of heat in the air from the outdoor for free, and 1 unit of electricity can generate 3 units of heat energy. The unit can reduce power consumption and cut down the electricity cost.

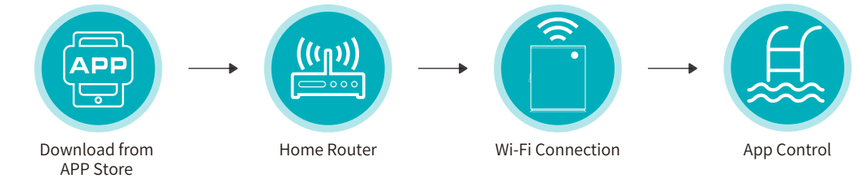


European Market

Model: NE-F	130SPR4INVM-USA	210SPR4INVM-USA	310SPR4INVM-USA	350SPR4INVM-USA	410SPR4INVM-USA	450SPR4INVM-USA	350SPR4TINVM-USA	410SPR4TINVM-USA	450SPR4TINVM-USA
Ambient Temperature: (DB/WB) 27℃/24.3℃; Water Inlet/Outlet Temperature: 26℃/28℃.									
Heating Capacity (kW)	2.71~13.98	4.77~21.60	7.06~30.80	8.10~34.80	10.43~40.09	11.24~43.02	8.10~34.80	10.43~40.09	11.24~43.02
Consumed Power (kW)	0.16~1.91	0.32~3.17	0.48~5.06	0.52~5.39	0.69~6.64	0.75~7.37	0.52~5.39	0.69~6.64	0.75~7.37
COP	16.84~7.32	14.91~6.80	14.71~6.09	15.58~6.46	15.12~6.04	14.97~5.84	15.58~6.46	15.12~6.04	14.97~5.84
Ambient Temperature: (DB/WB) 15℃/12℃; Water Inlet Temperature: 26℃.									
Heating Capacity (kW)	1.92~10.41	3.43~15.04	5.08~20.94	5.84~24.56	7.30~28.20	7.95~30.18	5.84~24.56	7.30~28.20	7.95~30.18
Consumed Power (kW)	0.27~1.94	0.48~2.85	0.71~4.40	0.83~5.16	1.04~6.22	1.13~6.69	0.83~5.16	1.04~6.22	1.13~6.69
COP	7.08~5.35	7.15~5.26	7.15~4.76	7.04~4.76	7.02~4.53	7.04~4.51	7.04~4.76	7.02~4.53	7.04~4.51
Ambient Temperature: (DB/WB) 10℃/6.83℃; Water Inlet Temperature: 26.7℃.									
Heating Capacity (kW)	1.20~8.08	2.01~11.23	3.05~15.27	3.43~17.23	4.42~19.86	4.79~21.26	3.43~17.23	4.42~19.86	4.79~21.26
Consumed Power (kW)	0.19~1.99	0.32~2.76	0.49~3.76	0.55~4.22	0.71~4.9	0.77~5.31	0.55~4.22	0.71~4.9	0.77~5.31
COP	6.24~4.06	6.23~4.07	6.22~4.06	6.24~4.08	6.23~4.05	6.22~4.00	6.24~4.08	6.23~4.05	6.22~4.00
Ambient Temperature: (DB/WB) 35℃/~; Water Inlet/Outlet Temperature: 30℃/28℃.									
Cooling Capacity (kW)	7.65	13.00	15.50	17.90	20.15	21.56	17.90	20.15	21.56
Consumed Power (kW)	2.57	3.42	4.39	5.09	5.76	6.20	5.09	5.76	6.20
EER	2.98	3.80	3.53	3.52	3.50	3.48	3.52	3.50	3.48
Power Supply (kW)	220-240V/50Hz						380-415V/3N~/50Hz		
Operating Air Temperature (℃)	-10~43								
Heating temperature range (℃)	15~40								
Max power input (kW)	2.6	4.1	6.2	7.0	9.8	9.8	7.0	9.8	9.8
Max current (A)	11.3	22.0	27.0	31.0	47.0	47.0	13.2	17.5	17.5
Refrigerant	R32								
Quantities (kg) R32	0.85	1.40	2.10	2.90	4.0	4.0	2.80	4.00	4.00
Water proof level	IPX4								
Sound Pressure 1m (dB(A))	52	56	58	59	60	62	59	60	62
Water Flow Volume (m^3/h)	5.8	9.0	13.2	15.0	17.6	18.5	15.0	17.6	18.5
Water Pressure Drop (max.)(kPa)	22	30	40	50	70	80	50	70	80
Air side heat exchanger	Hydrophilic fin and tube								
Water side heat exchanger	Titanium PVC Tank								
Water Pipe Connection (Inlet/Outlet)(mm)	50								
Net Dimensions (L/W/H) (mm)	762×662×710	800×742×783	800×742×965	907×842×1052	907×842×1052	907×842×1052	907×842×1052	907×842×1052	907×842×1052
Net Weight (kg)	72	94	108	141	146	146	141	146	146

Smart App Control

Have you ever imagined you can control heat pumps on your smartphone? NEWNTIDE Smart App technology is now welcomed on the market. If you have several units, you don't have to go to the machine room to check or control them from now on. All information about the heat pump is just at your fingertips.



North American Market

Model: NE-F	310SPR3216INVM-USA	350SPR3216INVM-USA
Ambient Temperature: (DB/WB) 80.6°F/75.8°F; Water Inlet Temperature: 80°F.		
Heating Capacity (kBtu/h)	19.72~98.61	23.48~117.41
Consumed Power (kBtu/h)	1.34~16.65	1.57~19.48
COP	14.72~5.94	14.95~6.02
Ambient Temperature: (DB/WB) 50°F/44.3°F; Water Inlet Temperature: 80°F.		
Heating Capacity (kBtu/h)	7.34~36.71	11.29~56.71
Consumed Power (kBtu/h)	0.85~7.47	1.40~11.09
COP	8.63~4.9	8.07~5.11
Power Supply	208-230V ~/ 60Hz	
Operating Temperature Range(°F)	14~109.4	
Heating Temperature Range(°F)	59~104	
Max. Power Input (kBtu/h)	20.47	23.2
Max. Current (A)	26.2	29.5
Refrigerant Type	R410A	
Refrigerant Weight (kg)	4	4.2
Water Proof Level	IPX4	
Electricity Shock Proof	I	
Water Flow (gpm)	42.14	50.63
Water Pressure Drop (psi)	2.72	3.48
Sound Pressure at 1m dB(A)	63.70	62.20
Water Pipe Connection (inch)	1.9	
Net Dimensions (L*W*H) (inch)	32×30×38	36×34×42
Net Weight (lb)	234	313

Notice: The data above is only for reference.For specific data.please refer to the nameplate on the unit.
Advised pool volume applies to aprivate pool with isothermal cover,from April to September.

Humpback Series

R290 Commercial Swimming Pool Heat Pump

High Energy Efficiency

Our commercial heat pump offer exceptional energy efficiency by harnessing renewable energy from the air to heat the water. With a high COP of over 18, it can offer significant energy savings.

Full DC Inverter Technology

The full DC inverter technology ensures superior energy efficiency and precise temperature control by adjusting its compressor and fan speed continuously based on real-time pool heating needs.

- Mitsubishi’s Inverter Compressor

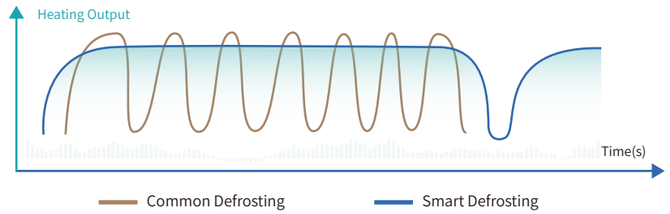
- DC Inverter Fan Motor

Wide Operating Temperature Range

This product is designed to perform efficiently in extreme weather conditions, operating in a wide temperature range from -25℃ to 43℃.This is beneficial for hotels, resorts, and fitness centers, allowing pools to stay open longer and increase revenue during cooler months.

Intelligent AI Defrosting

This system utilizes AI defrost technology that dynamically adjusts the defrosting parameters based on the ambient temperature. The optimized defrosting process reduces heat loss, allowing the system to maintain more consistent heat output and higher efficiency.



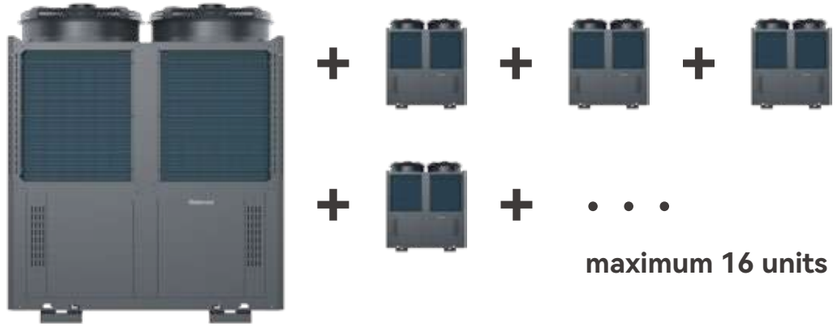
7-Inch Touchscreen Controller

A high-resolution 7-inch touchscreen controller interface with a multi-language menu allows for more convenient and user-friendly operation for the users.

- *Switch on and off*
- *Wi-Fi setting*
- *Electricity statistics*
- *Timing setting*
- *Temperature setting*
- *Defrost mode setting*
- *Three mode switching*
- *Holiday mode setting*
- *Fault alarm*
- *User parameter setting*

Cascade Control

It supports cascade control for maximum 16 units as one group to work together with one controller, simplifying monitoring and maintenance alerts for multiple heat pumps via a centralized control system. Additionally, you can configure multiple groups to address large-scale water heating requirements.



72 kW

145 kW

Model: NE-F	720SPR5TINVM-USC	1450SPR5TINVM-USC
Ambient Temperature: (DB/WB) 27℃/24.3℃; Water Inlet/Outlet Temperature: 26℃/28℃.		
Heating Capacity （kW）	13.05~72.00	26.22~145.00
Consumed Power（kW）	0.72~10.36	1.44~21.26
COP	18.12~6.95	18.20~6.82
Ambient Temperature: (DB/WB) 15℃/12℃; Water Inlet Temperature: 26℃.		
Heating Capacity （kW）	13.53~55.00	27.06~110
Consumed Power（kW）	1.50~10.89	2.95~21.78
COP	9.02~5.05	9.17~5.05
Ambient Temperature: (DB/WB) 35℃/~; Water Inlet/Outlet Temperature: 30℃/28℃.		
Cooling Capacity （kW）	15.03~53.00	30.06~103.00
Consumed Power（kW）	1.72~13.25	3.43~26.21
EER	8.74~4.00	8.76~3.93
Power Supply（kW）	380~415V/3N~/ 50Hz	
Operating Air Temperature（℃）	-25~43	
Heating Temperature Range (℃)	15~40	
Cooling Temperature Range (℃)	8~28	
Max Power Input（kW）	20.0	40.0
Max Current（A）	34.0	68.0
Refrigerant	R290	
Refrigerant Weight（kg）	2.3×2	2.3×4
Ingress Protection Rating	IPX4	
Sound Pressure Level 1m （dB(A)）	60	63
Water Flow Volume（m^3/h）	31.0	62.3
Water Pressure Drop(max.)（kPa）	18	25
Air Side Heat Exchanger	Hydrophilic fin and tube	
Water Side Heat Exchanger	Titanium in PVC	
Water Pipe Connection (Inlet/Outlet)	DN65(Flange)	DN80(Flange)
*Advised Pool Volume(m^3)	82~164	150~316
Net Dimensions(L×W×H)（mm）	1095×1315×2280	2190×1315×2280
Net Weight（kg）	475	895

Notice：The data above is only for reference.For specific data,please refer to the nameplate on the unit.

*Advised pool volume applies to a private pool with isothermal cover,from April to September.