



NEWNTIDE

Warm your life with silent tech



Official Website

NEWNTIDE

HEAT PUMP

Product Catalogue
Domestic Heating / Cooling / Hot Water



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Hi-Master V Series

R290 Monobloc Air Source Heat Pump





A+++

High Efficiency A+++

Eco-friendly

The Hi-Master V Series can meet highest class A+++ , providing our customers the best eco-friendly performance for the heat pump system.

R290 Natural Refrigerant

Low GWP and low carbon life

Using the natural refrigerant R290 (with a GWP of only 3) , the Hi-Master V Series heat pump has a minimal impact on global warming and zero harm to ozone layer, making it the best choice for the low carbon heating system. Designed to optimize efficiency and reduce energy consumption, this heat pump provides customers the affordable sustainable heating solutions.

Quiet Operation

Ensure peaceful living space for your neighborhood

Through effective noise reduction solutions, the Hi-Master V Series can achieve a sound pressure level down to 31dB(A) at 1m and 24dB(A) at 3m, lower than the sound in a library. You'll barely notice it's working, so your neighbors won't be disturbed by the noise.



Within 1m
31 dB(A)
Ultra-low
Noise Level

Aesthetic Appearance Design

Decorate your home

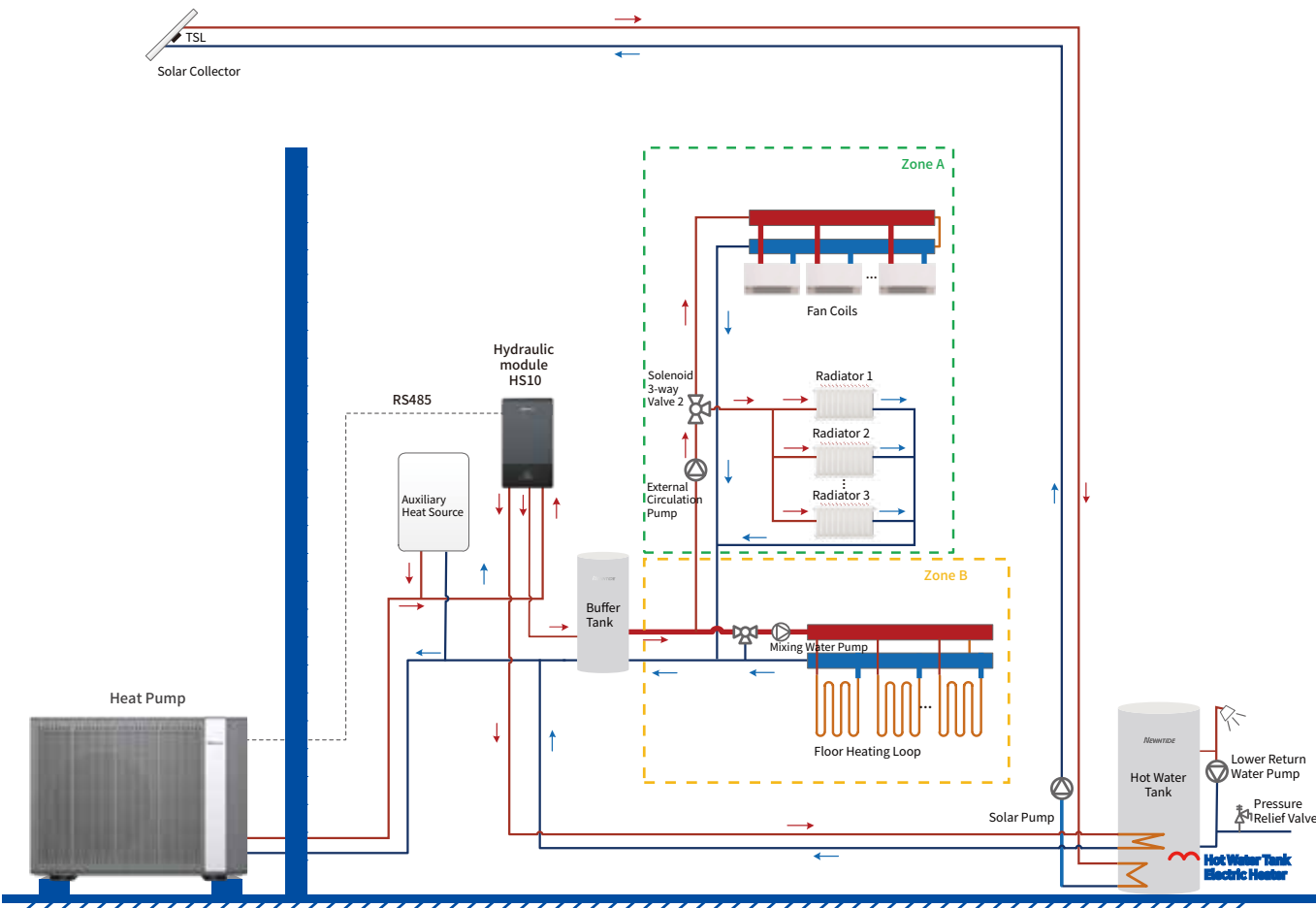
With its chic metallic gray finish and sleek lines, the Hi-Master V Series heat pump effortlessly complements a variety of home styles, from modern apartments to quaint cottages, brick homes and traditional villas. Its stylish design seamlessly enhances the ambiance and effortlessly blends in to aesthetically enhance your space.



Integrated Solution

Efficient installation and flexible connectivity

The Hi-Master V Series monobloc heat pump integrates control system and hydronic module into one indoor box, simplify the piping to increase the installation efficiency. Such design will offer flexible connectivity for retrofit of old house with original water piping, or new apartments.



Allows heat pumps to support the power grid, have a lower carbon footprint and be more cost-effective to operate.



High Energy Efficiency



Built-in WIFI








Silent Operation



Innovative Structure



-  Heating Curve Setting
-  Multilingual Menu
-  Electricity Consumption Monitor
-  Two Heating Zones
-  BMS Central Control

Easy Remote Control and Management

WIFI, APP & IoT

Use the built-in WIFI connectivity, Eco-Home app and IoT technology to effortlessly manage and control your heat pump from anywhere, ensuring personalized comfort tailored to your preferences.



Key Upgrades

Better Performance

7-inch Large Screen



Extra- large screen ensures easy operation and pleasant user experience.



Water Flowmeter

Accurately read the real-time water flow of the unit to make sure the water circulation is under optimal conditions.



Refrigerant Leak Detector

Detect the concentration of refrigerant and give an early warning when it reaches the safety setting value, which guarantee safety and stable operation.



Gas and Magnetic Dirt Separator

It comes with a tool for regular sewage disposal to prevent pipeline pollution and ensure safe operation.

Featured Functions

Enhanced Capabilities

Multiple Defrost Measures

Intelligent defrost, chassis electric heating, centralized drainage are designed to prevent icing.

Multiple Noise Reduction Measures

CFD-based EPP deflector, extra-large silent fan blades, compressor with 4-level sound insulation, double-layer bracket and optimized piping vibration design ensure extreme-quiet operation.

Adaptive Energy-saving Algorithm

Self-developed algorithm fits the actual heat load of the building to achieve high energy efficiency and low noise.

Multi-mode Adaptive Operation of Water Pump

The pumps can adaptively operate in three modes: target temperature difference, target flow rate, and target speed.

Energy Calculation

A self-developed algorithm enables real-time display and statistics by time period, providing a fast overview of energy output, energy consumption, and energy efficiency ratio.


Multiple Safty Measures


Electrical isolation, Active refrigerant gas venting channel,gas and magnetic separator and Refrigerant leak detector to guarantee the safety.




Control Module

Control module CM10







Centralized control for domestic climate and hot water system




Advanced energy statistics algorithms



7-Inch user-friendly controller interface



Integrated WIFI remote control






Suitable for standard set-up and hybrid systems

Model: NE-F	CM10
Power Supply	220-240V/50HZ
Net Dimensions (L×W×H) (mm)	390×100×420
Water Proof Class	IPX1
Electricity Shock Proof	I
Notice:The above data is for reference only. The specs data is subject to actual product.	


Hydraulic Station

Hydraulic module HS10







Centralized control for domestic climate and hot water system




Hydraulic components integrated, including 8L expansion water tank



Integrated with all the functions of the Control Module CM10



3-way valve for Space heating, cooling and DHW



Modulating electric auxiliary heater with up to 9 kW

Model: NE-F	HS10-1P	HS10
Power Supply	220-240V/50HZ	380-415V 3N~/50HZ
Max. Heating Power(KW)	3	9
Max. Heating Current (A)	13.1	13.7
Max. Outlet Water Temp. (°C)	75	75
Water In/Out Connection(inch)	G1-1/4"	G1-1/4"
Sound Pressure dB(A) at 1m	30	30
Net Dimensions (L×W×H) (mm)	418×310×750	418×310×750
Water Proof Class	IPX1	IPX1
Electricity Shock Proof	I	I

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



Model: NE-F	60HCR5INVMV2	90HCR5INVMV2	130HCR5INVMV2	130HCR5TINVMV2	160HCR5TINVMV2
[Space Heating] (W35°C/W55°C)					
Equivalent Maximum Heat Production(kW)	6	9	13	13	16
Prated (Pdesignh, Average climate) (kW)	4.8/4.9	7.1/7.1	10.0/9.7	10.0/9.9	12.9/12.6
ηs (Average climate) (%)	200/144	199/146	203/149	199/149	200/145
SCOP (EN14825 Average climate) (W/W)	5.08/3.66	5.05/3.73	5.14/3.79	5.05/3.80	5.07/3.69
ErP Level (EN14825 Average climate)	A+++/A++				
Heat Output (EN14511-2) (kW)	4.2/4.1	5.9/5.9	7.9/7.9	7.8/7.9	10.1/10.1
COP (EN14511-2) (W/W)	5.1/3.2	4.9/3.2	5.0/3.1	5.0/3.1	5.1/3.2
Sound Power Level (EN12021-1)(dB(A))	47/46	54/54	54/52	55/55	53/54
Sound Pressure Level at 1m(dB(A))	32/31	38/38	38/37	40/39	38/39
[Space Cooling] Ambient Temp. (DB/WB): 35°C / -, Water Temp. (Inlet/Outlet): 12°C/7°C.					
Cooling Capacity (kW)	1.47~4.91	2.33~6.96	3.27~9.13	3.27~9.13	4.32~11.8
Power Input (kW)	0.34~1.60	0.54~2.23	0.75~2.99	0.75~2.99	0.98~3.78
Cooling Current Input Range (A)	1.49~7.03	2.37~9.79	3.41~12.95	1.23~4.55	1.61~5.81
EER (W/W)	4.32~3.07	4.31~3.12	4.34~3.06	4.34~3.06	4.38~3.12
[Hot Water] Ambient Temp. (DB/WB): 20°C/15°C, Water Temp. from 15°C to 55°C.					
Heating Capacity (kW)	6.61	9.33	13.45	13.45	16.60
Power Input (kW)	1.52	2.14	3.11	3.11	3.82
Hot Water Current Input Range (A)	6.67	9.40	13.65	4.83	5.93
COP	4.35	4.35	4.32	4.32	4.35
Max. Power Input (kW)	2.8	4.5	5.4	5.4	5.8
Max. Running Current (A)	14.3	19.8	23.5	8.25	8.9
Max. Outlet Water Temp. (°C)	75				
Operation Range (°C)	-25~43				
Power Supply	220-240V~/50Hz			380-415V/3N~/ 50Hz	
Rated Water Flow Rate (m³/h)	1.03	1.55	2.20	2.20	2.75
Compressor Brand	MITSUBISHI/Rotary				
Circulating Pump	Wilo/ DC				
Water Side Heat Exchanger	Plate				
Air Side Heat Exchanger	Finned Tube				
Fan/Motor	Axial/DC				
Display	7-Inch / IPS 1024×600				
Remote Control	WIFI / APP / IOT				
Refrigerant Type	R290				
Water Pipe Connection (inch)	G1 1/4"				
Protection Class	IPX4				
Electricity Shock Proof	I				
Net Weight (kg)	130	1.55	2.20	2.20	2.75
Net Dimensions (L×W×H) (mm)	1102×557×1021			1377×557×1021	

- Notice:
- The above data is for reference only. The specs data is subject to actual product.
 - The equivalent maximum heat production is for reference only, and the actual operation will not run to the maximum heat production at ambient temperatures above 0 °C.

Sunglow Series

R290 Residential Inverter
Heating / Cooling + DHW Heat Pump



R290
Eco Refrigerant



Low Noise



A+++
ErP Energy Label



75°C
Water Outlet



R290 Refrigerant

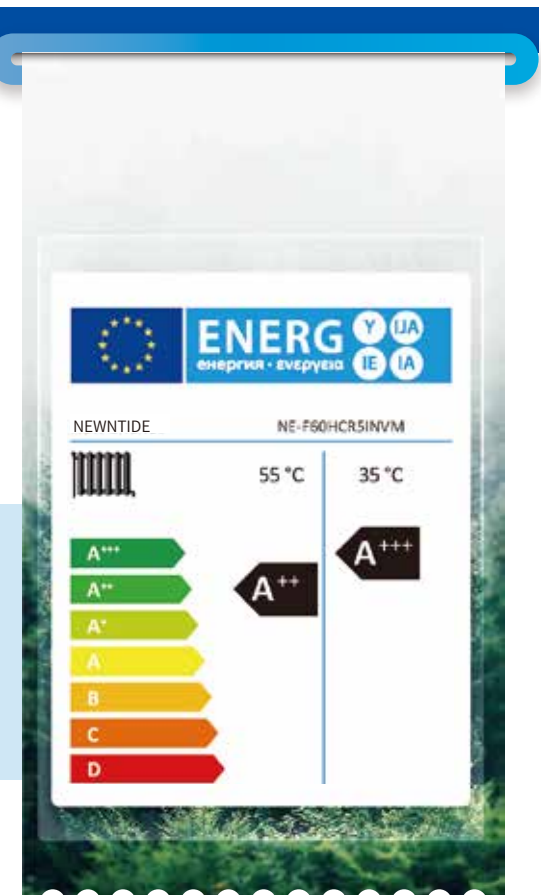


NEWNTIDE Sunglow Series heat pump uses the R290 eco-friendly refrigerant whose GWP is only 3 and helps curb global warming. The heat pump with R290 reaches higher efficiency than those with other refrigerants.

Energy Label

Complying with ErP directives, Sunglow Series proves itself with powerful capability and attains the A+++ energy label, which meets users' needs for low energy bills.

Energy



Colored Wire Controller

NEWNTIDE R290 heat pumps utilize an intelligent color LCD display with high definition interface and powerful functions, which is very friendly and helpful for users to view and control.



Low Noise

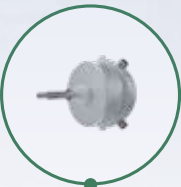
NEWNTIDE devotes to creating a pretty quiet running environment for the user through multiple noise reduction measures.

DC Inverter Compressor

DC Brushless Motor

Special Design Fan Blade

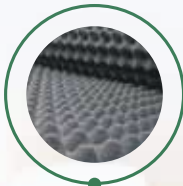
Shock Absorber Plate



Sound Absorbing Cotton

Turbulence Air Grille

Optimized Pipeline Design



Model: NE-F	60HCR5INVM	90HCR5INVM	130HCR5INVM	160HCR5TINVM	185HCR5TINVM	200HCR5TINVM
[Space Heating] Ambient Temp. (DB/WB): 7°C/6°C, Water Temp. (Inlet/Outlet): 30°C/35°C.						
Heating Capacity (kW)	2.00~6.00	3.50~8.81	4.50~12.74	6.00~16.00	6.30~18.00	6.70~20.36
Power Input (kW)	0.30~1.31	0.58~1.89	0.75~2.82	1.00~3.49	1.05~3.92	1.12~4.62
COP	6.00~4.58	6.00~4.65	6.00~4.52	6.00~4.59	6.00~4.59	5.98~4.40
[Space Heating] Ambient Temp. (DB/WB): 7°C/6°C, Water Temp. (Inlet/Outlet): 50°C/55°C.						
Heating Capacity (kW)	1.80~5.40	3.15~7.98	3.90~11.25	5.40~14.4	5.70~16.20	5.80~18.48
Power Input (kW)	0.39~1.74	0.68~2.55	0.85~3.66	1.17~4.97	1.24~5.58	1.26~6.29
COP	4.63~3.10	4.63~3.13	4.59~3.07	4.60~2.90	4.60~2.90	4.60~2.94
[Space Cooling] Ambient Temp. (DB/WB): 35°C / -, Water Temp. (Inlet/Outlet): 12°C/7°C.						
Cooling Capacity (kW)	1.20~4.00	1.53~5.96	2.93~8.87	3.50~13.00	4.00~13.50	4.40~14.40
Power Input (kW)	0.26~1.38	0.33~2.11	0.63~3.26	0.76~4.33	0.86~4.50	0.95~4.69
EER	4.62~2.90	4.64~2.82	4.65~2.72	4.60~3.00	4.63~3.00	4.63~3.08
[Hot Water] Ambient Temp. (DB/WB): 20°C/15°C, Water Temp. from 15°C to 55°C.						
Heating Capacity (kW)	6.6	9.33	13.9	17.2	19.8	22.69
Power Input (kW)	1.52	2.14	3.28	4.00	4.60	5.19
Hot Water Current Input Range (A)	6.66	9.8	14.36	6.53	7.51	7.95
COP	4.35	4.35	4.24	4.3	4.3	4.37
Prated average climate 35/55°C kW	4.3/3.80	6.16/5.85	8.79/8.30	12.74/12.10	13.86/12.94	14.68/13.94
SCOP EN14825 Average climate,35°/55°C	4.85/3.50	4.84/3.67	4.76/3.64	4.64/3.46	4.7/3.51	4.63/3.49
Max. Power Input (kW)	2.8	4	5	6	6.5	6.8
Max. Running Current (A)	14.3	18.3	22.9	10.8	11.3	11.6
Max. Outlet Water Temp. (°C)	75					
Operation Range (°C)	-25~43					
Power Supply	220~240V~/50Hz			380~415V/3N~/ 50Hz		
Rated Water Flow (m³/h)	1.03	1.5	2.19	2.75	3.10	3.44
Compressor Brand	HIGHLY					
Circulating Pump	Built-In					
Expansion Tank (L)	2			5		
CO2 Equivalent (Ton)	0.0019	0.0023	0.0029	0.0049	0.0049	0.0049
ErP Level (35°C)	A+++					
ErP Level (55°C)	A++					
Refrigerant Type	R290					
Sound Pressure Level dB (A) at 1m	42	49	55	54	54	56
Water Pipe Connection (inch)	G1 1/4"					
Water Proof Class	IPX4					
Electricity Shock Proof	I					
Net Dimensions (L×W×H) (mm)	1180 x 440 x 710	1263 x 440 x 875		1263 x 440 x 1375		

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

Sunpro Series

Residential EVI Inverter
Heating & Cooling Heat Pump



EVI Technology

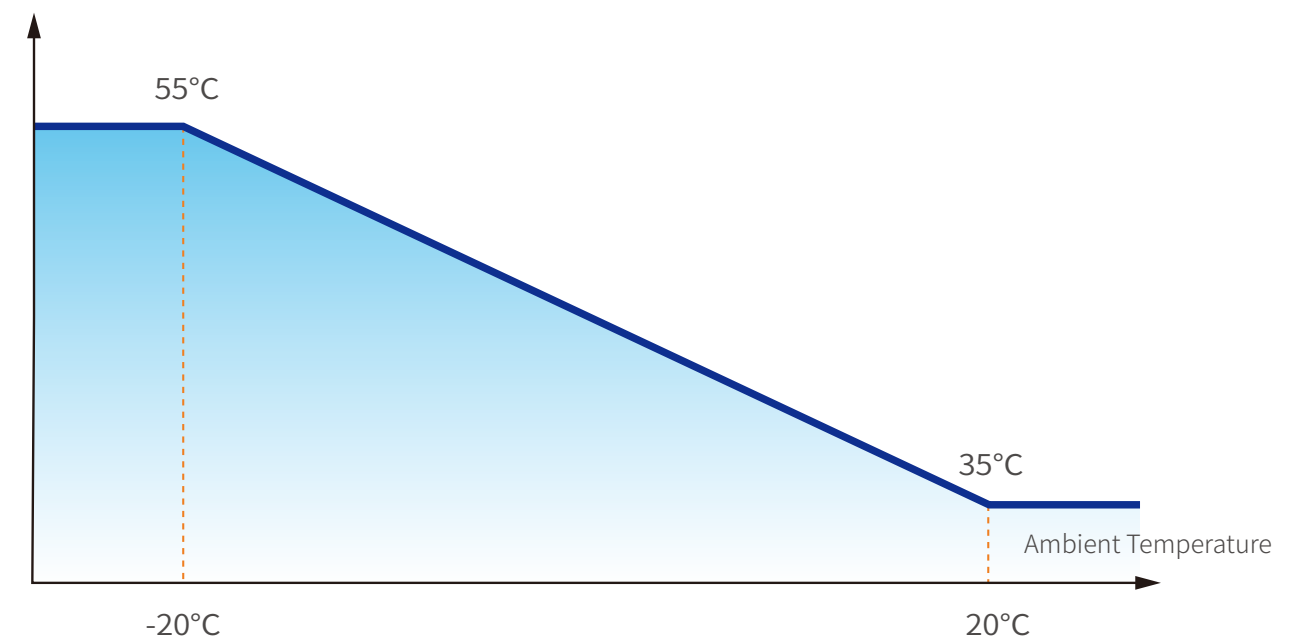
EVI stands for “Enhanced Vapor Injection” and is a technology used on our low-temperature heat pumps to achieve higher performance at lower temperatures as down as -25°C . With EVI technology and inverter compressor, the Sunpro Series can work stably and remain high efficiency.



Intelligent Water Temperature Adjustment

The unique control logic enables Sunpro Series to adjust the outlet water temperature intelligently, according to the real-time ambient temperature. Therefore, the heat pump can deliver heating, cooling, and domestic hot water at a constant temperature.

Target Temperature





Model: NE-F	60HCR4INEM	90HCR4INEM	130HCR4INEM	160HCR4INEM
[Space Heating] Ambient Temp. (DB/WB): 7°C/6°C, Water Temp. (Inlet/Outlet): 30°C/35°C.				
Heating Capacity (kW)	1.73~6.06	4.52~9.40	4.52~12.60	4.81~15.88
Power Input (kW)	0.28~1.31	0.89~2.03	0.89~2.74	0.81~3.91
COP	6.18~4.63	5.08~4.62	5.08~4.60	5.94~4.06
[Space Heating] Ambient Temp. (DB/WB): 7°C/6°C, Water Temp. (Inlet/Outlet): 50°C/55°C.				
Heating Capacity (kW)	1.12~5.29	3.69~9.30	3.73~12.23	3.90~15.99
Power Input (kW)	0.26~2.03	1.50~3.31	1.59~4.31	1.03~5.92
COP	4.31~2.61	2.46~2.81	2.35~2.84	3.79~2.70
[Space Cooling] Ambient Temp. (DB/WB): 35°C /~, Water Temp. (Inlet/Outlet): 12°C/7°C.				
Cooling Capacity (kW)	0.97~4.86	2.80~7.60	3.25~9.76	2.63~13.66
Power Input (kW)	0.21~1.76	1.10~2.22	0.87~3.74	0.59~4.81
EER	4.62~2.76	2.55~3.42	3.74~2.61	4.46~2.84
[Hot Water] Ambient Temp. (DB/WB): 20°C/15°C, Water Temp. from 15°C to 55°C.				
Heating Capacity (kW)	7.32	11.04	13.5	16.81
Power Input (kW)	1.73	2.43	3.06	3.94
COP	4.22	4.54	4.41	4.27
Prated average climate 35/55°C kW	5.05/4.29	8.40/8.83	9.06/8.70	11.33/10.75
SCOP EN14825 Average climate,35°/55°C	4.47/3.23	4.61/3.40	4.60/3.42	4.52/3.30
Electric Heater Rated Input (kW)	3			
Max. Power Input (kW)	5.1 (2.1+3)	6.8 (3.8+3)	7.7 (4.7+3)	9.6 (6.6+3)
Max. Running Current (A)	23.2 (9.5+13.7)	31 (17.3+13.7)	35.1 (21.4+13.7)	42.4 (28.7+13.7)
Max. Outlet Water Temp. (°C)	60			
Operation Range (°C)	-25~43			
Power Supply	220~240V~/50Hz			
Rated Water Flow (m³/h)	1	1.6	2.1	2.7
Compressor Brand	Panasonic	Mitsubishi		
Circulating Pump	Built-In			
Expansion Tank (L)	2			5
ErP Level (35°C)	A+++			
ErP Level (55°C)	A++			
Refrigerant	R32			
Sound Pressure Level dB (A) at 1m	46	50	45	47
Water Pipe Connection (inch)	G1 1/4"			
Water Proof Class	IPX4			
Electricity Shock Proof	I			
Net Dimensions (L×W×H) (mm)	1180×440×715	1263×440×875		1263×440×1375

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

Model: NE-F	160HCR4TINEM	185HCR4TINEM	200HCR4TINEM	230HCR4TINEM	260HCR4TINEM
[Space Heating] Ambient Temp. (DB/WB): 7°C/6°C, Water Temp. (Inlet/Outlet): 30°C/35°C.					
Heating Capacity (kW)	4.81~15.88	6.15~18.57	6.36~20.49	8.43~23.04	8.54~26.08
Power Input (kW)	0.81~3.91	1.03~4.38	1.08~4.89	1.41~5.15	1.46~6.26
COP	5.94~4.06	5.97~4.24	5.89~4.19	5.98~4.47	5.85~4.17
[Space Heating] Ambient Temp. (DB/WB): 7°C/6°C, Water Temp. (Inlet/Outlet): 50°C/55°C.					
Heating Capacity (kW)	3.90~15.99	3.44~17.13	3.41~18.8	4.41~22.6	4.67~25.9
Power Input (kW)	1.03~5.92	0.78~6.18	0.89~7.13	1.01~8.24	1.04~9.62
COP	3.79~2.70	4.41~2.77	3.83~2.64	4.37~2.74	4.49~2.69
[Space Cooling] Ambient Temp. (DB/WB): 35°C/~, Water Temp. (Inlet/Outlet): 12°C/7°C.					
Cooling Capacity (kW)	2.63~13.66	3.12~15.25	3.31~17.4	3.80~19.38	4.37~21.4
Power Input (kW)	0.59~4.81	0.71~5.01	0.76~6.14	0.88~6.31	1.02~7.32
EER	4.46~2.84	4.39~3.04	4.36~2.83	4.32~3.07	4.28~2.92
[Hot Water] Ambient Temp. (DB/WB): 20°C/15°C, Water Temp. from 15°C to 55°C.					
Heating Capacity (kW)	16.81	22.29	23.97	23.86	26.98
Power Input (kW)	3.94	5.16	5.65	5.45	6.47
COP	4.27	4.32	4.24	4.38	4.17
Prated average climate 35/55°C kW	11.19/10.10	13.96/13.43	12.40/13.42	16.55/16.19	16.64/16.18
SCOP EN14825 Average climate,35°/55°C	4.53/3.29	4.56/3.40	4.53/3.37	4.50/3.36	4.51/3.35
Electric Heater Rated Input (kW)	3/6/9 (optional)				
Max. Power Input (kW)	15.6 (6.6+9)	15.6 (6.6+9)	16.5 (7.5+9)	19 (10+9)	20.5 (11.5+9)
Max. Running Current (A)	25.2 (11.5+13.7)	25.2 (11.5+13.7)	26.4 (12.7+13.7)	30.6 (16.9+13.7)	33.2 (19.5+13.7)
Max. Outlet Water Temp. (°C)	60				
Operation Range (°C)	-25~43				
Power Supply	380~415V/3N~/ 50Hz				
Rated Water Flow (m³/h)	2.7	3.1	3.4	4	4.4
Compressor Brand	Mitsubishi				
Circulating Pump	Built-In				
Expansion Tank (L)	5				
ErP Level (35°C)	A+++				
ErP Level (55°C)	A++				
Refrigerant	R32				
Sound Pressure Level dB (A) at 1m	48	55	56	57	57
Water Pipe Connection (inch)	G1 1/4"				
Water Proof Class	IPX4				
Electricity Shock Proof	I				
Net Dimensions (L×W×H) (mm)	1263 × 440 ×1375				

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

Suntide Series

R32 Split System Inverter
EVI Multifunctional Heat Pump



Auxiliary Heat Source Control Function



Electric Heater



Oil / Gas Boiler



Solar Heater

With its intelligent control system, the NEWNTIDE heat pump can maximize precise cooperation with the existing auxiliary heat sources, such as gas boilers, electric heaters, etc., to ensure efficient and stable operation of each other.



Indoor Unit



Outdoor Unit

Interlock with Solar Photovoltaic

The heat pump can receive signals about the power source and switch energy usage. When the electricity price is high, the heat pump runs as energy-saving as possible on the premise of ensuring the normal heating demand of the user. When electricity price is low, or even free (for example, from solar photovoltaic panels), the heat pump will use as much electric energy as possible. In this way, it will maximize energy efficiency and minimize running costs.



With SG Ready, the heat pump can automatically switch state according to the power storage of PV equipment and the peak and valley power status of the grid, making full use of free power.





Model: NE-F	60HCR4INEMIO	90HCR4INEMIO	130HCR4INEMIO	160HCR4INEMIO
[Space Heating] Ambient Temp. (DB/WB): 7°C/6°C, Water Temp. (Inlet/Outlet): 30°C/35°C.				
Heating Capacity (kW)	1.68~5.88	4.52~9.02	4.52~12.60	4.67~15.57
Power Input (kW)	0.27~1.27	0.93~1.93	0.93~2.79	0.79~3.56
COP	6.22~4.63	4.84~4.67	5.84~4.51	5.91~4.37
[Space Heating] Ambient Temp. (DB/WB): 7°C/6°C, Water Temp. (Inlet/Outlet): 50°C/55°C.				
Heating Capacity (kW)	1.09~5.13	3.69~8.93	3.73~12.23	2.74~13.70
Power Input (kW)	0.25~1.97	1.58~3.27	1.67~4.53	0.62~5.18
COP	4.36~2.60	2.34~2.73	2.23~2.70	4.42~2.64
[Space Cooling] Ambient Temp. (DB/WB): 35°C / -, Water Temp. (Inlet/Outlet): 12°C/7°C.				
Cooling Capacity (kW)	0.94~4.71	2.80~7.60	3.25~9.76	2.55~12.77
Power Input (kW)	0.20~1.71	1.16~2.33	0.91~3.93	0.57~4.87
EER	4.70~2.75	2.42~3.26	3.56~2.49	4.47~2.62
[Hot Water] Ambient Temp. (DB/WB): 20°C/15°C, Water Temp. from 15°C to 55°C.				
Heating Capacity (kW)	7.1	11.04	13.5	17.12
Power Input (kW)	1.68	2.43	3.06	3.83
COP	4.23	4.33	4.2	4.47
Indoor Unit Info				
Electric Heater (kW)	3			
Expansion Tank (L)	8			
Water Pipe Connection (inch)	G1"			
Refrigerant outlet (mm)	Φ15.88			
Refrigerant inlet (mm)	Φ6.35	Φ9.52		
Rated Water Flow (m³/h)	1.03	1.55	2.24	2.75
Circulating Pump	Built-In			
Sound Pressure Level dB (A) at 1m	31	34	35	34
Net Dimensions (mm)	786×450×285			
Water Proof Class	IPX1			
Outdoor Unit Info				
Compressor Brand	Panasonic	Mitsubishi		
Sound Pressure Level dB (A) at 1m	49	55	55	59
Net Dimensions (L×W×H) (mm)	960×425×710	977×400×928		1005×395×1360
Water Proof Class	IPX4			
General Info				
Power Supply	220~240V~/50Hz			
Prated average climate 35/55°C kW	4.80/4.77	8.59/8.34	8.82/8.34	14.28/15.56
SCOP EN14825 Average climate,35°/55°C	4.48/3.29	4.53/3.33	4.55/3.30	4.52/3.32
ErP Level (35°C)	A+++			
ErP Level (55°C)	A++			
Max. Power Input (kW)	5.1 (2.1+3)	7 (4+3)	8 (5+3)	8.8 (5.8+3)
Max. Running Current (A)	23.2 (9.5+13.7)	31.9 (18.2+13.7)	36.4 (22.7+13.7)	40.1 (26.4+13.7)
Refrigerant	R32			
Operation Range (°C)	-25~43			
Max. Outlet Water Temp (°C)	60			
Electricity Shock Proof	I			

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



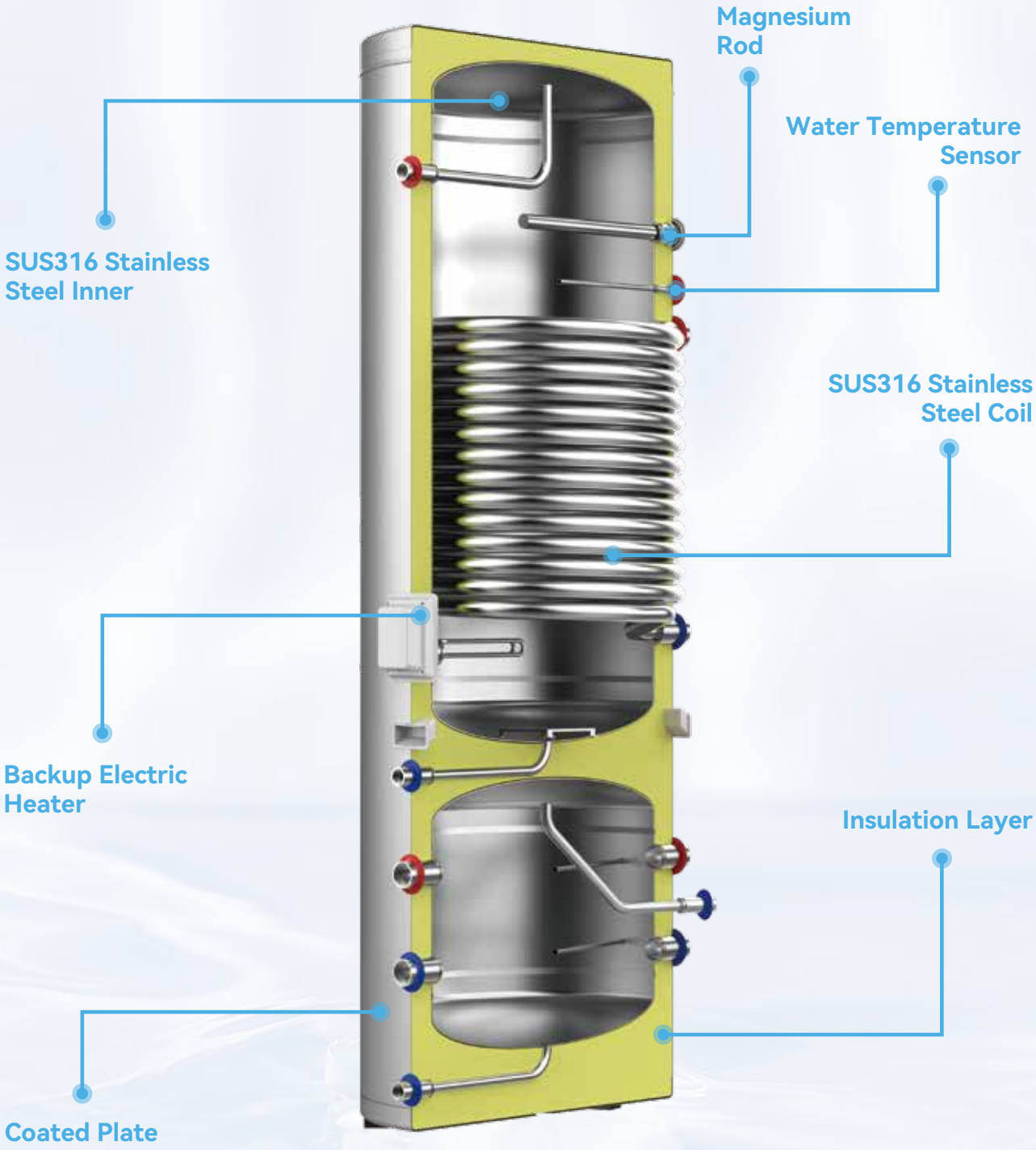
Model: NE-F	160HCR4TINEMIO	185HCR4ITNEMIO	200HCR4TINEMIO
[Space Heating] Ambient Temp. (DB/WB): 7°C/6°C, Water Temp. (Inlet/Outlet): 30°C/35°C.			
Heating Capacity (kW)	4.67~15.57	5.97~17.78	6.17~19.83
Power Input (kW)	0.79~3.56	1.00~4.02	1.05~4.47
COP	5.91~4.37	5.97~4.42	5.88~4.44
[Space Heating] Ambient Temp. (DB/WB): 7°C/6°C, Water Temp. (Inlet/Outlet): 50°C/55°C.			
Heating Capacity (kW)	2.74~13.70	3.34~15.91	3.72~17.16
Power Input (kW)	0.62~5.18	0.76~6.14	0.86~6.83
COP	4.42~2.64	4.39~2.59	4.33~2.51
[Space Cooling] Ambient Temp. (DB/WB): 35°C / -, Water Temp. (Inlet/Outlet): 12°C/7°C.			
Cooling Capacity (kW)	2.26~12.45	3.03~14.68	3.28~16.80
Power Input (kW)	0.56~4.95	0.69~5.56	0.76~6.44
EER	4.04~2.52	4.39~2.64	4.32~2.61
[Hot Water] Ambient Temp. (DB/WB): 20°C/15°C, Water Temp. from 15°C to 55°C.			
Heating Capacity (kW)	17.12	21.62	23.25
Power Input (kW)	3.83	5	5.48
COP	4.47	4.32	4.24
Indoor Unit Info			
Electric Heater (kW)	3/6/9 (optional)		
Expansion Tank (L)	8		
Water Pipe Connection (inch)	G1"		
Refrigerant outlet (mm)	Φ15.88		
Refrigerant inlet (mm)	Φ9.52		
Rated Water Flow (m³/h)	2.75	3.18	3.44
Circulating Pump	Built-In		
Sound Pressure Level dB (A) at 1m	34	45	45
Net Dimensions (mm)	786×450×285		
Water Proof Class	IPX1		
Outdoor Unit Info			
Compressor Brand	Mitsubishi		
Sound Pressure Level dB (A) at 1m	59	59	60
Net Dimensions (L×W×H) (mm)	1005×395×1360		
Water Proof Class	IPX4		
General Info			
Power Supply	380~415V/3N~/ 50Hz		
Prated average climate 35/55°C kW	14.40/14.61	14.51/14.51	14.57/14.30
SCOP EN14825 Average climate,35°/55°C	4.54/3.33	4.53/3.41	4.49/3.29
ErP Level (35°C)	A+++		
ErP Level (55°C)	A++		
Max. Power Input (kW)	14.8 (5.8+9)	15.6 (6.6+9)	16.2 (7.2+9)
Max. Running Current (A)	23.8 (10.1+13.7)	25.2 (11.5+13.7)	26 (12.3+13.7)
Refrigerant	R32		
Operation Range (°C)	-25~43		
Max. Outlet Water Temp (°C)	60		
Electricity Shock Proof	I		

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

GEMINI SERIES COMBI TANK



Internal Structure Of Water Tank



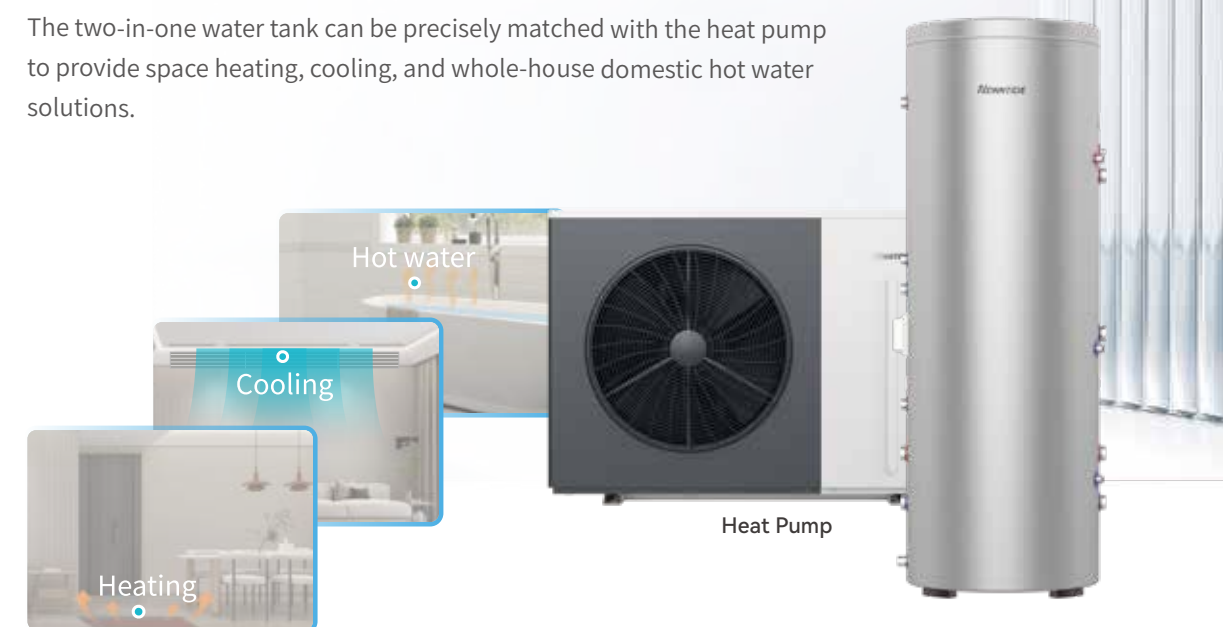
Space Saving

Thanks to its vertical integrated design, the Gemini Series combi tank saves half of the occupied floor area, making it flexible to be installed in a narrow place. Moreover, it increases the convenience of water pipe installation and improves installation efficiency.



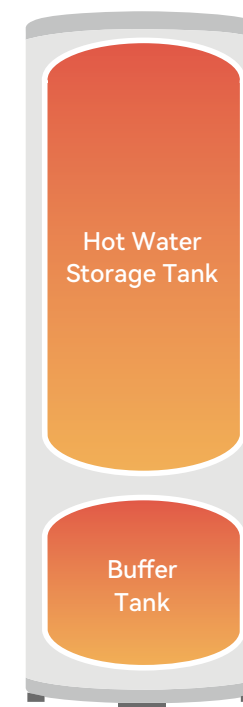
Compatible With Air Source Heat Pump

The two-in-one water tank can be precisely matched with the heat pump to provide space heating, cooling, and whole-house domestic hot water solutions.

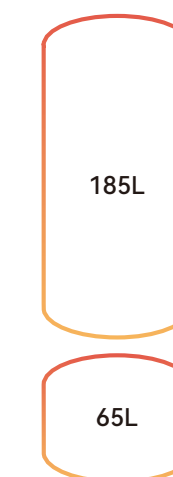


Various Tank Volumes

There are various volumes for the buffer tank and storage tank. So it is flexible for users to choose different tanks according to the size of the house, heating needs, and water usage needs.



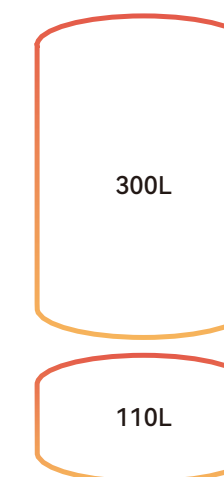
Suggested Match:



4~6kW Heat Pump

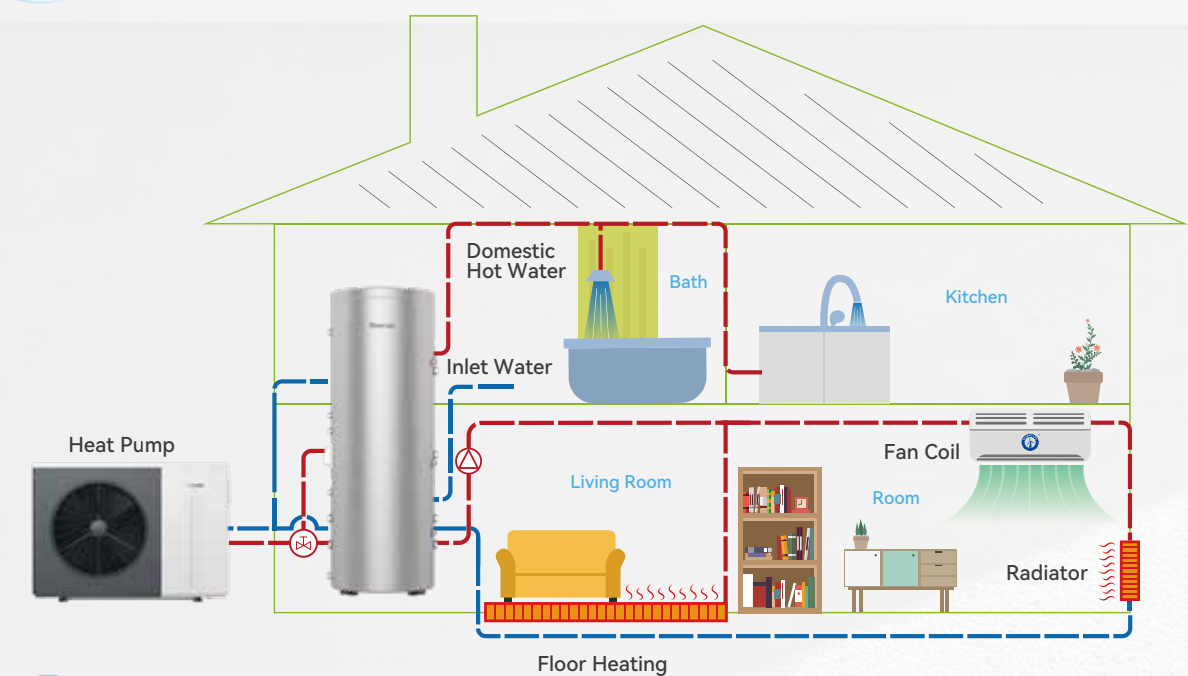


9~20kW Heat Pump



23~31kW Heat Pump

Installation Sketch Map



Parameter Sheet

Model: NE-F	185+65WBHMIC6-SA	250+80WBHMIC6-SA	300+110WBHMIC6-SA
DHW TANK			
Rated volume (L)	185	250	300
Coil area of DHW pipe (m²)	1.98	3.18	3.18
Coil diameter of DHW	Ø28mm×15m	Ø32mm×20.5m	Ø32mm×20.5m
Max. safe Temp. of the DHW tank coil	110		
Electric heater rated power (kW)	2		
Electric heater voltage	220		
Max. running current	9.1		
BUFFER TANK			
Rated volume (L)	65.0	81.5	110.5
DHW/BUFFER TANK			
Net dimensions (mm)	Ø560×1895	Ø650×1895	Ø700×1895
Inner Tank Material	SUS316		
Outer Tank Material	Coated Plate		
Anodic Protection Type	Magnesium		

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

