

HEAT PUMP WATER HEATER



Blue crystal liner

Anti-pressure explosion-proof, anti-melting and anti-acid, anti-bacterial, strong corrosion resistance.



Constant hot water supply

Hot water running throughout the year, multiplied outlets.



High efficiency & save energy

Electric power consumption is only 1/4 of electric water heater.



Intelligent defrosting

Fewer defrosting time, lower energy loss.



Timing heating, energy saving

Real time temperature monitoring, accurate heating time control



Micro-channel heat exchanger

Larger heat area, more efficient heat exchange and time-saving.



MICRO-CHANNEL HEAT EXCHANGER

Strong resistance to impact

Pulse endurance test for 250,000 times



Long term anticorrosion

480 hours acid resistance test



Strong pressure resistance

Special steel plate with ultra-strong pressure resistance



Tight adsorption

Reaching level 1 super strong attachment layer



Highest level craftsmanship

International enamelwater tank products



Water barrier technology

Isolate scale caringfor your health





More efficient heat exchange
No need to wait for hot water



50%
Heating Capacity



33%
Heat Exchange Efficiency



2630w
Max. Capacity

Model		60 L	150 L	200 L	260 L	300 L	500 L
Shell material		Steel with powder coated	Steel with powder coated	Steel with powder coated	Steel with powder coated	Steel with powder coated	Steel with powder coated
Shell thickness	mm	0.6	0.6	0.6	0.6	0.6	0.6
Inner tank coating		Enamel	Enamel	Enamel	Enamel	Enamel	Enamel
Inner tank material		SPCC*1.8	SPCC*2.0	SPCC*2.0	SPCC*2.5	SPCC*2.5	SPCC*3.0
Inner tank diameter		φ340	φ370	φ410	φ470	φ470	φ600
Polyurethane thickness	mm	50	50	50	50	50	50
Using water water inlet / outlet connection	mm	G5/4"	G1/2"	G1/2"	G3/4"	G3/4"	G5/4"
Circulation water inlet / outlet connection	mm	G5/4"	G3/4"	G3/4"	G3/4"	G3/4"	G5/4"
Drain water connection	mm	G1/2"	G1/2"	G1/2"	G1/2"	G1/2"	G1/2"
Magnesium rod		φ21×340×1pc	φ26×360×2pcs	φ26×360×2pcs	φ26×460×2pcs	φ26×460×2pcs	φ26×460×2pcs
Design working pressure	Bar	8	8	8	8	8	8
Testing pressure	Bar	12	12	12	12	12	12
Unit dimension	mm	φ440×910	φ470×1590	φ510×1615	φ570×1610	φ570×1805	φ700×1905
Packing dimension	mm	510×510×910	540×540×1590	850×585×1690	645×645×1680	645×645×1900	775×775×1990
Net Weight	kg	31	50	58	74	85	125
Gross Weight	kg	35	55	63	80	92	125
Accessories		Safety valve, Actuator	Safety valve, Actuator	Safety valve, Actuator	Safety valve, Actuator	Safety valve, Actuator	Safety valve, Actuator
Coil Spec.		/	φ32*2	φ32*2	φ32*2	φ32*2	φ32*2

The specific parameters are subject to product nameplate.

ALL IN ONE HEAT PUMP

SIDE BLOW



Blue crystal liner

Anti-pressure explosion-proof, anti-melting and anti-acid, anti-bacterial, strong corrosion resistance.



Constant hot water supply

Hot water running throughout the year, multiplied outlets.



High temperature

Heat pump 65°C high temperature technology, multi-layer and multi-point water at the same time, make you comfortable and warm in cold winter.



Concise but not simple

Fashionable design, three-dimensional column shaped. Golden section facade design. Concise, easy to fit in your house. help to improve the cozy level of your residence. Small in size, novel in design.



R290 refrigerant

Environmentally friendly refrigerant, high efficiency and energy saving.

Energy saving

DHW



ESSENTIAL DETAILS

Model	200L	250L	300L
Power supply	220-240V~, 1Ph, 50Hz	220-240V~, 1Ph, 50Hz	220-240V~, 1Ph, 50Hz
Nominal tank volume	200L	250L	300L
Heating capacity	1.75Kw	2.50kW	2.50kW
EBH (Electric backup heater)	2.0Kw	2.0kW	2.0kW
Input (Heat pump only)	350W	480W	480W
COP	5.10	5.21	5.21
STC	36	35	35
Current (Heat pump only)	1.55A	2.13A	2.13A
Max. input	2585W	2890W	2890W
Max. current	12.0A	13.30A	13.30A
Max. leaving water temp. (Heat pump only)	65°C	65°C	65°C
Hot water yield	37L/h	52L/h	52L/h
Working ambient temp. (Heat pump only)	-7°C~43°C	-7°C~43°C	-7°C~43°C
Sound pressure level	48dB(A)	49dB(A)	49dB(A)
Refrigerant type	R290		
Water resistance	IPX4		
Compressor	Highly	GMCC	GMCC
Inner tank material	Enamel		
Rated inner tank pressure	0.8MPa		
Insulation	Polyurethane		
Outer tank material	Galvanized steel		
Condenser coil	Micro-channel wrap-around to tank		
Corrosion proof	Magnesium anode		
Inlet water pipe connection	G3/4"mm		
Outlet water pipe connection	G3/4"mm		
Condensing water connection	1/2"mm, internal thread		
Unit dimension (ΦD×H)	Φ510X2175MM	Φ640X1800MM	Φ640X2010MM
Net weight	95KG	115KG	136KG

Notice

The specification may be changed for product improvement, please refer to the nameplate of product.
Condition - Ambient: 19°C DB/15°C WB, initial water temperature is 14°C, ending water temperature is 55°C.



R290 ALL IN ONE TYPE AU

DC Inverter

ENERGY SAVING

DHW

REFRIGERANT

MAX WATER OULET

R290

65°C



Blue crystal liner
Anti-pressure explosion-proof, anti-melting and anti-acid, anti-bacterial, strong corrosion resistance.



Micro-channel heat exchanger
Larger heat area, more efficient heat exchange and time-saving.



Smartphone remote control
Schedule anytime, enjoy comfort. Pre-schedule your bath during commute with full command of home hot water system.



Minimalist design, maximized space
Golden section facade design. Concise, easy to fit in your house. help to improve the cozy level of your residence. Small in size, novel in design.



R290 refrigerant
Environmentally friendly refrigerant, high efficiency and energy saving.



Model	270L (DC INVERTER)	320L (DC INVERTER)
Power supply	220-240V~, 1Ph, 50/60Hz	220-240V~, 1Ph, 50/60Hz
Nominal tank volume	270L	320L
Heating capacity (Heat pump only)	2.50kW	2.50kW
EBH (Electric backup heater)	1.5kW	1.5kW
Average Input (Heat pump only)	0.46kW	0.45kW
COP @ A19°C/15°C, W15°C-55°C	5.50	5.55
STC	36	36
Current (Heat pump only)	2.01A	2.01A
Max. input	2.230kW	2.230kW
Max. current	9.80A	9.80A
Max. water outlet temp. (Heat pump only)	65°C	65°C
Hot water yield	52L/h	52L/h
Working ambient temp. (Heat pump only)	-10°C to 43°C	-10°C to 43°C
Sound pressure level	49dB(A)	49dB(A)
Max. operating water pressure	0.85Mpa	0.85Mpa
Water resistance	IPX4	IPX4
Refrigerant type / Factory charged	R290 / 0.4kg	R290 / 0.4kg
Throttling type	Electric expansion valve	Electric expansion valve
Compressor brand	Panasonic	Panasonic
Motor type	DC variable frequency motor	DC variable frequency motor
Wire controller	Digital screen, touch buttons, WiFi	Digital screen, touch buttons, WiFi
Inner tank material	Enamel	Enamel
Rated inner tank pressure	0.85MPa	0.85MPa
Insulation	Polyurethane	Polyurethane
Outer tank material	Galvanized steel	Galvanized steel
Condenser coil	Microchannel wrap-around to tank	Microchannel wrap-around to tank
Corrosion proof	Magnesium anode	Magnesium anode
Inlet water pipe connection	G3/4" mm	G3/4" mm
Outlet water pipe connection	G3/4" mm	G3/4" mm
Condensing water connection	1/2", internal thread	1/2", internal thread
Unit dimension (ΦD×H)	Φ640×1960	Φ640×2210
Packing size (ΦD×H)	750×745×2190MM	750×745×2430MM
Net weight	109kg	122kg
Gross weight	135kg	146kg

Notice
The specification may be changed for product improvement, please refer to the nameplate of product.
Condition - Ambient: 19°C DB/15°C WB, initial water temperature is 14°C, ending water temperature is 55°C.



SIDE BLOW

DOMESTIC HEAT PUMP WATER HEATER



Blue crystal liner

Anti-pressure explosion-proof, anti-melting and anti-acid, anti-bacterial, strong corrosion resistance.



Constant hot water supply

Hot water running throughout the year, multiplied outlets.



High temperature

Heat pump 65°C high temp. technology, multi-layer and multi-point water at the same time, make you comfortable and warm in cold winter.



Minimalist design, maximized space

Golden section facade design. Concise, easy to fit in your house. help to improve the cozy level of your residence. Small in size, novel in design.



R134a refrigerant

Environmentally friendly refrigerant, high efficiency and energy saving.



Smartphone remote control

Schedule anytime, enjoy comfort. Pre-schedule your bath during commute with full command of home hot water system.



Energy saving



DHW

ESSENTIAL DETAILS

Model	KZRS20-200D/N3G1W	KZRS28-300D/N3G1W
Size	Φ570*1810	Φ640*2010
Power	220-240V~/50Hz	220-240V~/50Hz
Heating capacity	1950W	2800W
Rated power	410W	560W
Max. input power (include electrical heating)	2685W	2890W
Max. current	12.2A	13.4A
COP	4.76	5.02
Refrigerant	R134a	R134a
Compressor	GMCC	Panasonic
Throttling device	Electronic expansion valve	Electronic expansion valve
Fan	DC variable frequency motor	DC variable frequency motor
Wire controller	Digital screen, touch buttons, WIFI	Digital screen, touch buttons, WIFI
High/Low pressure switch	2.8-2.3 MPa / 0.05-0.15MPa	2.8-2.3 MPa / 0.05-0.15MPa
Power cord specifications	3*1.5mm² with leakage insurance 16A	3*1.5mm² with leakage insurance 16A
Heating rate	42L/H	60L/H
Max. outlet water temperature	65°C	65°C
Ambient temperature used	-7°C~45°C	-7°C~45°C
Waterproof grade	IPX4	IPX4
Noise	≤47dB(A)	≤49dB(A)
Net weight	93kg	122kg
Water tank	Tank with enamel coating	Tank with enamel coating
Inlet/Outlet pipe dimensions	G1/2"	G3/4"
Heat exchanger type	Microchannel	Microchannel
Built-in pressure protection	0.8MPa	0.8MPa
Auxiliary electric heating	2000W	2000W
Tank volume	200L	300L
Packing dimensions (L*W*H)	710*680*1990mm	740*740*2220mm

Notice

1. The specification based on the following conditions: DB/WB 20°C/15°C, Water temperature from 15°C to 55°C.
2. Models and parameters are subject to change due to product upgrades and improvements without prior notice.
The specific parameters are subject to the nameplate of the unit.



SOUTHEAST ASIA
STYLE



SPLIT HEAT PUMP WATER HEATER



Blue crystal liner

Anti-pressure explosion-proof, anti-melting and anti-acid, anti-bacterial, strong corrosion resistance.



Energy saving, healthy, safety

Comparing with other normal electric water heater, it saves up to 75% energy, and its antibacterial and anti-scale function help to make the daily usage safer to users.



Constant hot water supply

Hot water running throughout the year, multiplied outlets.



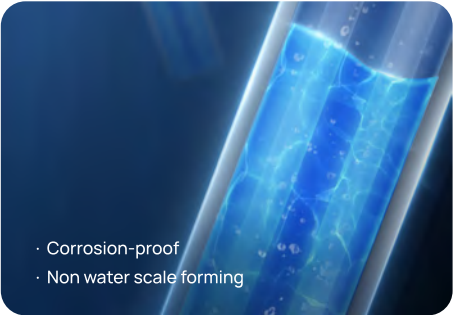
Micro-channel heat exchanger

More efficient heat exchange, no need to wait for hot water.

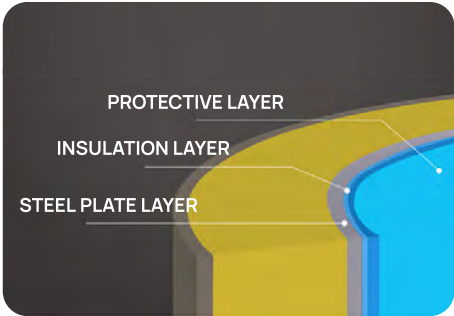


Smartphone remote control

Schedule anytime, enjoy comfort. Pre-schedule your bath during commute with full command of home hot water system.



- Blue crystal liner



- 50 mm microporous foam insulation

PARAMETER

Model		KFD-80/200N1C1	KFD-118/300N1C1
OUTDOOR UNIT PARAMETER	Product Dimensions (W×D×H)	800×290×550mm	800×290×550mm
	Color	Coffee Brown	Coffee Brown
	Power Supply	220V~/50Hz	220V~/50Hz
	Rated Heating Capacity	3750W	5500W
	Rated Capacity	852W	1261W
	Max. Input Power / Current	3150/14.5A	3650/16.9A
	COP	4.4	4.36
	Refrigerant	R410a	R410a
	Compressor	GMCC	GMCC
	Four-way Valve	SHF-4	SHF-4
	Throttling Device	Electronic Expansion Valve	Electronic Expansion Valve
	Wire Controller	LCD, touch buttons, WIFI	LCD, touch buttons, WIFI
	Power Cord	3×2.5mm²	3×2.5mm²
	Heating Rate	80L/h	118L/h
	Max. Outlet Water Temperature	55℃	55℃
	Ambient Temperature	-15℃~45℃	-15℃~45℃
	Waterproof Level	IPX4	IPX4
	Noise	≤50dB(A)	≤52dB(A)
WATER TANK PARAMETER	Net Weight	30KG	34KG
	Packaging Dimensions	900×395×615mm	900×395×615mm
	Volume	200L	300L
	Product Dimensions	Φ510×1710mm	Φ570×1865mm
	Color	Coffee Brown	Coffee Brown
	Housing Material	Powder coated galvanized steel	Powder coated galvanized steel
	Tank Type	Enamel tank	Enamel tank
	Max. Water Pressure	0.8MPa	0.8MPa
	Diameters of Inlet & Outlet	DN15	DN20
	Heat Exchanger	Micro-channel	Micro-channel
	EBH (Electric backup heater)	2000W	2000W
	Recommended User Capacity	2-4 people	3-6 people
	Net Weight	68KG	92KG
	Packaging Dimensions	585×585×1795MM	645×645×1940MM
	Ambient Temp. Range for the Entire Unit	-15℃ ~ 45℃	-15℃ ~ 45℃

Notice

The specification are based on the following conditions: DB/WB 20℃/15℃, water temperature from 15℃ to 55℃, Applicable ambient temperature -15℃ ~ 45℃. The data above is for reference only. The specific parameters are subject to product nameplate.

FAST Series **DC INVERTER HEAT PUMP** **QUICK WARMTH, INSTANT COOL**



3 IN 1

Floor heating, cooling and domestic hot water. Your best heat pump partner energy saving solutions.



INTELLIGENT DEFROSTING SYSTEM

AURORA intelligent defrosting & efficient copper tube evaporators, automatic and precise defrosting enhanced heating performance in cold, low-humidity conditions.



NOISE REDUCTION TECHNOLOGY

Noise-reduction technology for serene comfort, sound pressure lower to 42dB(A).



ENERGY SAVING & COMFORTABLE

R290 refrigerant has no damage to the ozone layer, low global warming co-efficient, low energy consumption, can adapt to various refrigeration equipment.



ULTRA LOW TEMP. OPERATION

Maintain high COP and reliable stability



INTELLIGENT CONTROL SYSTEM

Control smart IoT devices via mobile app, using networks for remote operation and monitoring. Adjust heating or cooling anytime, anywhere, ensuring comfort upon return.



SUPER COMPRESSOR

Panasonic DC inverter with EVI.
The more powerful, the lower consumption.



MASTERFUL HEAT EXCHANGE

SWEP plate heat exchanger.
Rapid heating & cooling.



DC INVERTER HEAT PUMP 3 IN 1



MULTI-PROTECTION

Ensure the safe operation of the heat pump in different working conditions.



WIFI CONTROL

Smart APP control brings a lot of convenience to users. Temperature adjustment, mode switching and timer setting can be achieved on your smart phone.



NOT AFFECTED BY WEATHER

Compared with gas and other heating, air source heat pump is not affected by bad weather, and not limited by geology or gas supply.



ENHANCED VAPOR INJECTION

Provide strong power for low-temperature heating while ensuring low consumption and energy saving.



FULL DC INVERTER

Energy-efficient, saving cost, comfort



HIGH-QUALITY COMPONENTS

Adopt international famous brand components to get high ERP



3 IN 1

Heating, cooling, hot water

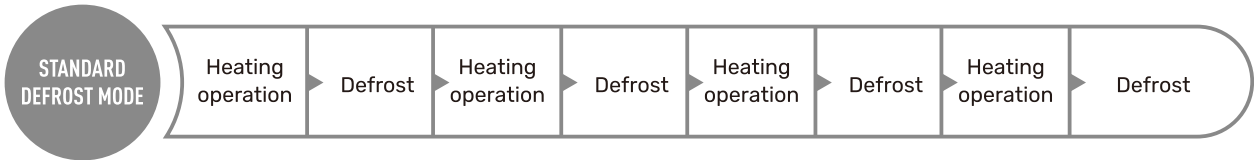


SIMPLE INSTALLATION

Monoblock heat pump

INTELLIGENT DEFROSTING

Automatically adjust defrost cycle and defrost start / end time based on ambient temperature, coil temperature and heating run time.



Standard defrost mode: 45-minute timed operation followed by 8-minute timed defrost cycle.



Intelligent defrost mode: Activates defrost cycle only when frost detected, with intensity scaling proportionally to frost accumulation levels.

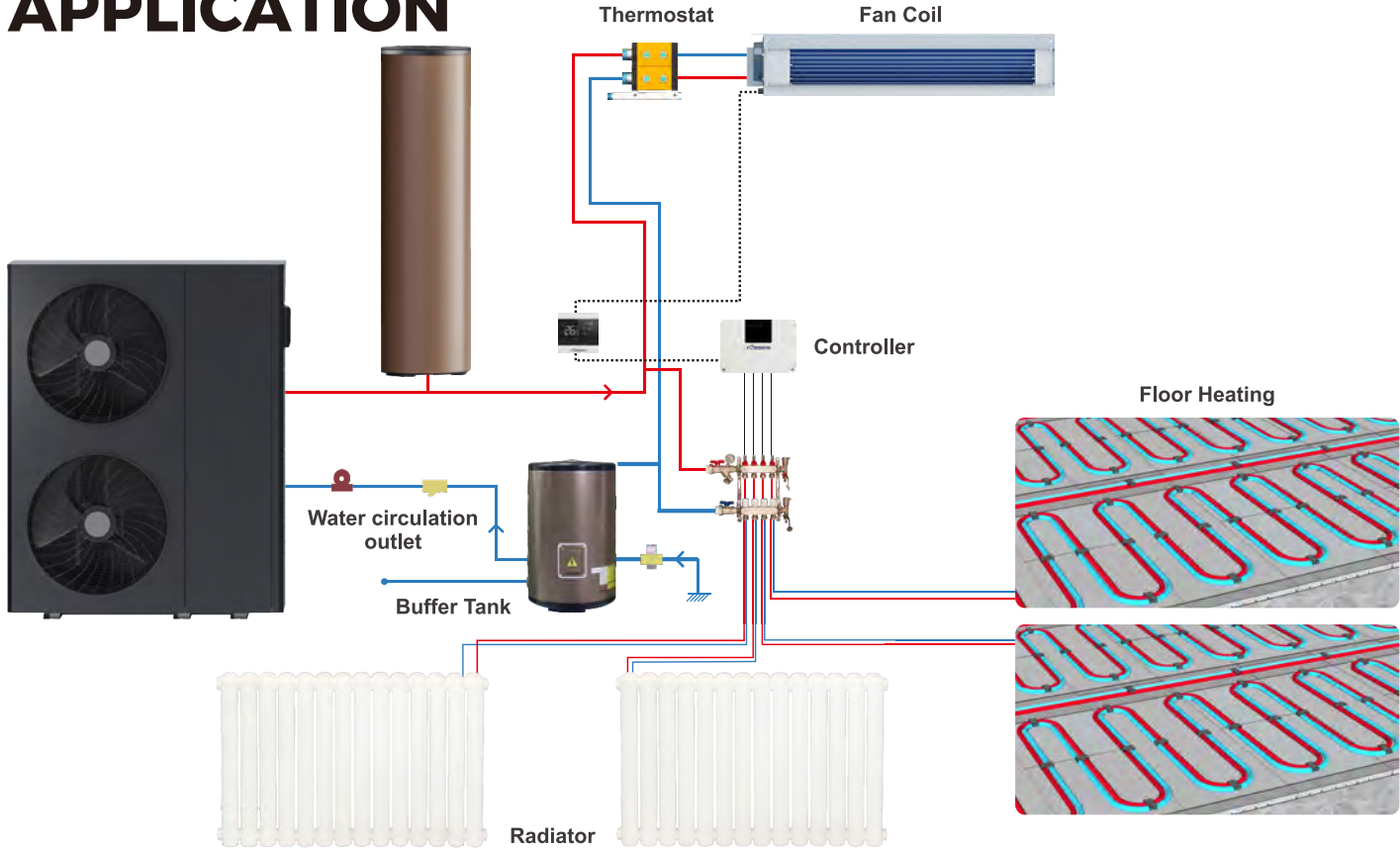
AIR TO WATER DC INVERTER HEAT PUMP



HEATING & COOLING DHW



APPLICATION



Model		KFCN-10E/N5	KFCN-15E/N5	KFCN-15ET/N5	KFCN-20E/N5	KFCN-20ET/N5	KFCN-25ET/N5
Power Supply		220~240V/50Hz	220~240V/50Hz	380~420V 3N/50Hz	220~240V/50Hz	380~420V 3N/50Hz	380~420V 3N/50Hz
Heating Capacity Range		3-10kW	4.7-15.5kW	4.7-15.5kW	6-20kW	6-20kW	8-26.2kW
Heating (A7/6°C,W30/35°C)	Heating Capacity	9.2kW	14.5kW	14.5kW	18kW	18kW	24.4kW
	Power Input	2.00kW	3.22kW	3.22kW	3.90kW	3.90kW	5.34kW
	COP	4.6W/W	4.51W/W	4.51W/W	4.62W/W	4.62W/W	4.57W/W
Heating (A-10°C,W30/35°C)	Heating Capacity	8.1kW	12.2kW	12.2kW	15.5W	15.5W	22kW
	Power Input	2.75kW	4.11kW	4.11kW	5.20kW	5.20kW	7.31kW
	COP	2.95W/W	2.97W/W	2.97W/W	2.98W/W	2.98W/W	3. 01W/W
Cooling (A35/24°C,W23/18°C)	Heating Capacity	9.1kW	15.3kW	15.3kW	19kW	19kW	26.1kW
	Power Input	2.44kW	4.07kW	4.07kW	4.91kW	4.91kW	6.69kW
	COP	3.73W/W	3.76W/W	3.76W/W	3.87W/W	3.87W/W	3.9W/W
ERP Performance / W35		A++ (A+++)	A+++	A+++	A+++	A+++	A+++
ERP Performance / W55		A++	A++	A++	A++	A++	A++
Rated Voltage/Frequency		230V/50Hz	400V/50Hz	400V/50Hz	400V/50Hz	400V/50Hz	400V/50Hz
Start Current		0.8A	1.6A	0.9A	1.6A	1A	1. 5A
Max. Input Power (Heat Pump)		3.4kW	5.55kW	5.55kW	6.8kW	6.8kW	9.4kW
Max. Input Current (With Heat)		26.5A	37.1A	21.5A	42.3A	23. 3A	30A
Brand / Type of Compressor		Panasonic / Inverter	Panasonic / Inverter	Panasonic / Inverter	Panasonic / Inverter	Panasonic / Inverter	Panasonic / Inverter
Brand of EEV		FUJIKOKI	FUJIKOKI	FUJIKOKI	FUJIKOKI	FUJIKOKI	FUJIKOKI
Brand of 4-way Valve		SANHUA	SANHUA	SANHUA	SANHUA	SANHUA	SANHUA
Brand of Pressure Sensor		SENSATA	SENSATA	SENSATA	SENSATA	SENSATA	SENSATA
Pressure Regulator		Expansion vessel	Expansion vessel	Expansion vessel	Expansion vessel	Expansion vessel	Expansion vessel
Type of Heating		Electric backup heater	Electric backup heater	Electric backup heater	Electric backup heater	Electric backup heater	Electric backup heater
Wire Controller		Multilingual wire controller, WIFI	Multilingual wire controller, WIFI	Multilingual wire controller, WIFI	Multilingual wire controller, WIFI	Multilingual wire controller, WIFI	Multilingual wire controller, WIFI
Refrigerant		R32	R32	R32	R32	R32	R32
Brand of Water Pump (Built-in)		SHIMGE	SHIMGE	SHIMGE	SHIMGE	SHIMGE	SHIMGE
Noise Pressure		48	52	52	53	53	56
Max. Water Outlet Temperature		55°C	55°C	55°C	55°C	55°C	55°C
Diameter of Water Connection		DN 25 (1")	DN 25 (1")	DN 25 (1")	DN 25 (1")	DN 25 (1")	DN 40 (1-1/2")
Internal Pressure Drop at Rating Water Flow		22kPa	27kPa	27kPa	31kPa	31kPa	28kPa
Lowest Operational Point, Outdoor Air (Heating Mode)		-30°C	-30°C	-30°C	-30°C	-30°C	-30°C
Highest Operational Point, Outdoor Air (Heating Mode)		43°C	43°C	43°C	43°C	43°C	43°C
Package Dimensions (L/W/H)		1110/490/980mm	1110/490/980mm	1110/490/980mm	1110/490/1497mm	1110/490/1495mm	1110/490/1495mm
Gross Weight		108KG	124KG	124KG	146KG	146KG	166KG
Loading Quantity 20GP/40GP/40HQ		48/96/96pcs	48/96/96pcs	48/96/96pcs	24/48/48pcs	24/48/48pcs	24/48/48pcs