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Note:
Gree is committed to continuously improving its products to ensure the highest quality and reliability standards, and to meet local regulations and market requirements.

All features and specifications are subject to change without prior notice.

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Distributor information



Air to Water Heat Pump
EU

MADE IN CHINA
LOVED BY THE WORLD



Gree Electric Appliances, Inc. of Zhuhai was founded in 1991 and was listed on the Shenzhen Stock Exchange in November 1996. At the beginning, Gree was only a company that assembled residential air conditioners. Now it has grown into a diversified global technological industrial group that has expanded its business to air conditioners, home appliances, high-end equipment and communication equipment under three brand names: GREE, KINGHOME and TOSOT. Gree is the number one brand of air conditioners in the world in 2019*.

- 2005, Gree has topped No.1 in production and sales volume of residential air conditioners for 14 consecutive years.
- 2015, Gree's sales revenue exceeded 15.08 billion USD.
- 2016, Gree's sales revenue exceeded 16.51 billion USD.
- 2017, Gree's sales revenue exceeded 22.21 billion USD.
- 2018, Gree entered into the list of Forbes Global 2000 again and ranked No. 294, moving up 70 places compared with the previous year. Gree's sales revenue exceeded 30.23 billion USD.
- 2019, Gree entered into Fortune Global 500. Gree's return on equity (ROE) ranked the first among the 129 Chinese enterprises on the list.
- 2020, Gree has ranked the 436th on the list of Fortune Global 500.

Thanks to 400 million users' choices, Gree brands are sold widely to more than 160 countries and regions.

Action makes the future and innovation makes achievement. Looking forward, Gree will press ahead with its business philosophy of passion, innovation and realization. We aim to build a centenary air conditioning enterprise and create a better life for humankind..



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Key Features

3rd Generation DC Inverter Air to Water Heat Pump



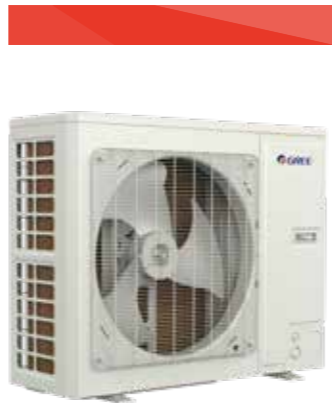
Eco-friendly — Create a Green World

Versati adopts R32, a new eco-friendly refrigerant which is harmless to the atmosphere. Moreover, with advanced heat pump technology and powerful hardware, the efficiency of Versati has been improved, resulting in much lower CO2 emission. It is an eco-friendly product, which mirrors your social commitment to protect the environment.

Versati III, a DC inverter multifunctional air to water heat pump adopting advanced heat pump technology, absorbs natural heat from the ambient air and then release it for room heating. It not only satisfies room heating requirements but also supplies domestic hot water. Besides, Versati can also provide you cool air in hot summer. It is an All-in-One! Choose Versati III, and enjoy a comfortable life all year round!



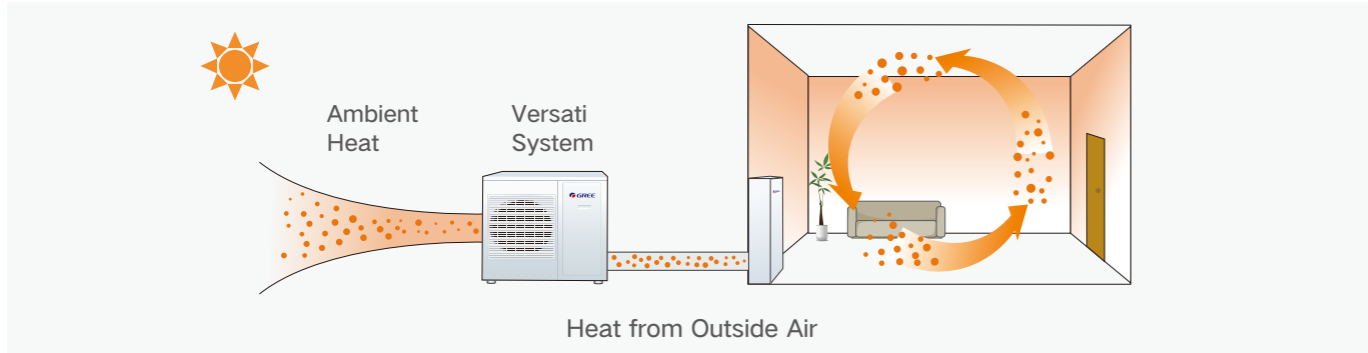
Outdoor Unit: Sustainable Energy Converter



Versati III adopts DC inverter technology and the most efficient refrigerant R32 with zero ozone depletion, with excellent COP up to 5.06.

Heat Pump Technology Lows the Consumption and CO₂ Emissions

Versati based on heat pump technology, which extracts the heat energy from the outside air and increases its temperature for domestic heating purposes, greatly reduces the energy consumption and CO₂ emissions.



Super DC Inverter Technology

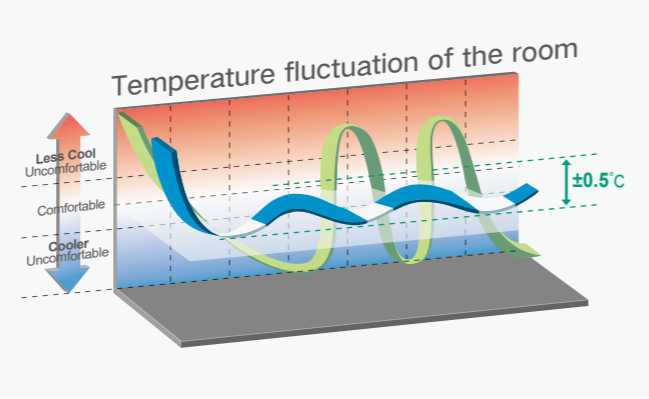
- Twin Rotary DC Inverter Compressor**
 Compared with traditional compressor, DC inverter compressor has the advantages of high performance and high efficiency.
- DC Inverter System**
 The inverter technology with high-power and high energy efficiency not only creates comfortable living circumstance, but also saves energy.
- Traditional System**
 ON and OFF frequently cause temperature fluctuation.

By adopting DC inverter technology, the compressor regulates its output according to the cooling/heating load to achieve higher energy efficiency.

DC inverter compressor optimizes its output which ensures high efficient operation.

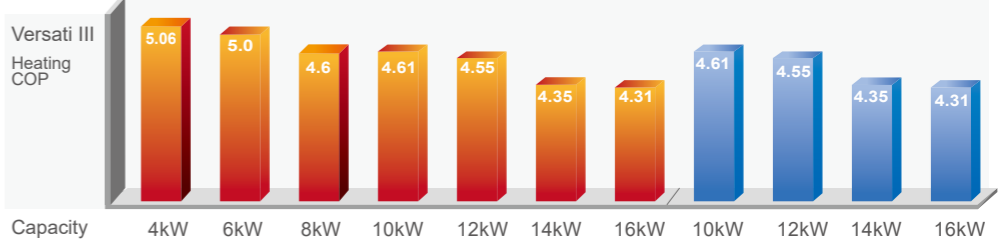
With stepless power regulation technology, the DC inverter compressor achieves stepless output regulation between 20Hz and 120Hz.

The 180 degree sine wave current output features in small startup current, small torque pulse and free speed regulation between 900 and 6600r/min. It enables the system to meet the temperature requirements of various circumstances, lowers the power consumption greatly and ensures comfortable use.



COP up to 5.0

With its perfect class COP performance, Versati delivers more heating power with less energy consumption. The maximum COP is up to 5.06

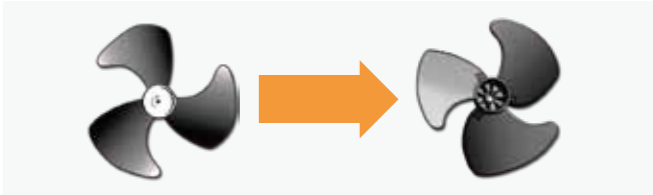


Note: ■ for 1Ph models, ■ for 3Ph models.

Test Standard: EN14511-2018

Fan and Motor

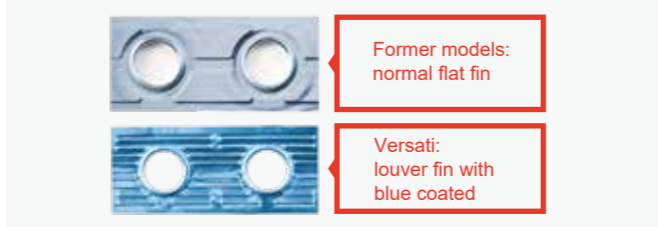
- Efficient Axial Fan**
 Efficient axial fan with its streamline design and huge air flow volume, offers powerful cooling capacity and ensures the stability and reliability of system.
- DC Fan Motor**
 The stepless adjustment of DC fan motor ensures higher air flow volume and lower power consumption.



Heat Exchanger

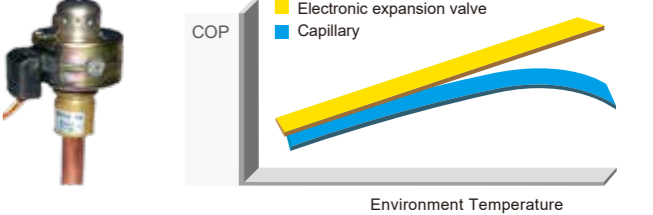
Compared with the common fin, the heat exchange efficiency of the louver fin is increased by 5%.

Special thickened inner groove copper pipe enhances the heat exchange performance by over 8%.



Electronic Expansion Valve

The electronic expansion valve is highly flexible. It can automatically adjust the throttle according to the refrigerant demand based on the stability of the system. It is more energy saving and stable than capillary.



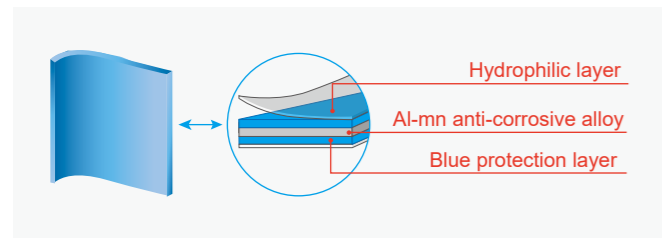
Comfort

- Precise Temperature Regulation**
 The electronic expansion valve guarantees that the system make adjustments automatically according to the changes of the circumstance and water temperature.
- Quiet Mode**
 By adjusting the output of the compressor and fan, the operation noise of the unit can be decreased by more than 3dB(A), meeting the quiet requirement at night or in special occasions.

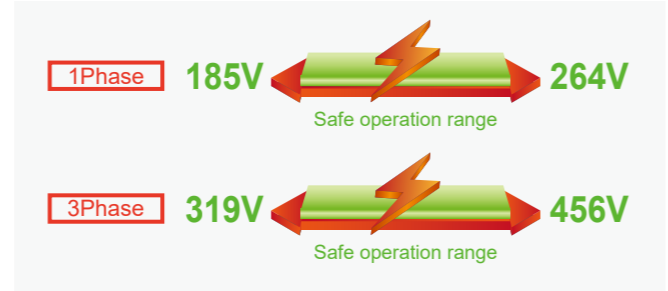
Reliability

Heat Exchange Anti-corrosion

Highly anti-corrosion blue hydrophilic coated aluminum fin has longer lifespan than common blue fin.



Wide Voltage Range Operation



Self-diagnosis of the Outdoor Unit

With the self-diagnosis function, the outdoor unit will start auto-protection if the power voltage or the current is out of the normal range. Protection will be cancelled automatically if the power condition resumes normal.

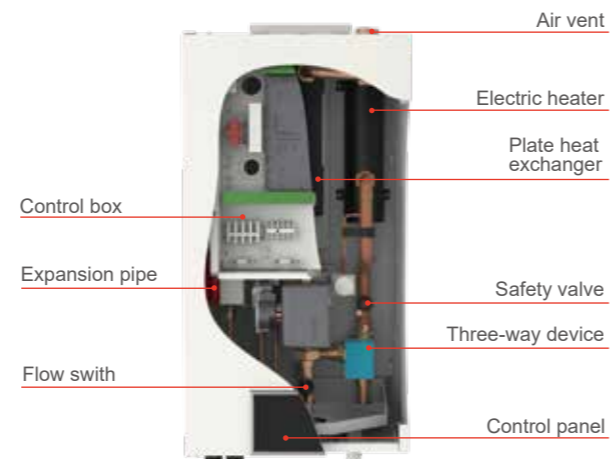
Compact Design

Compact design ensures larger load-space, thus, saving much transport costs.



Indoor Hydro: Heating/Cooling and Hot Water System

The indoor hydro-box transfers the heat in the refrigerant to the water circulated in the central heating radiators, under-floor heating system and sanitary hot water heating system and sanitary hot water tank. If you opt for the combination of heating and cooling, then the indoor unit can also decrease the water temperature to distribute a refreshing coolness.



High Efficiency

High COP plate heat exchanger



High efficient pump



Flexible and Compact Design



Compact design, easy for installation
 Dimension (W×D×H) (mm)

460×318×860mm

Pressure safety, plate heat exchanger, expansion tank, water pump and control box all in one

Intelligent Temperature Control

The advanced control of the system is integrated in the indoor hydro unit. The timer can be programmed per hour or per day. In this way, the temperature is reduced automatically at night or during your holiday, but will be pleasantly warm when you get up or return home.



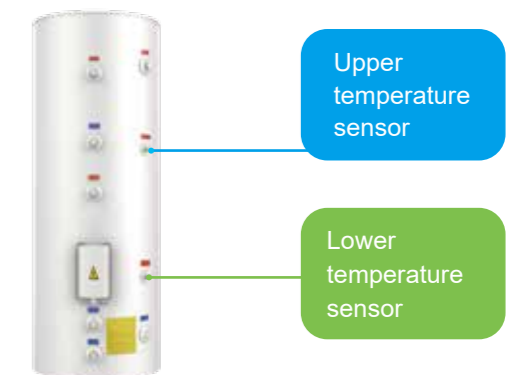
Comfort

Smart Dual-temperature Detection Control Technology

ON and OFF control of the unit is realized by upper and lower temperature sensors, which renews water temperature in real time, thus ensuring the perfect timing of startup:

Avoid premature startup. Improve hot water yielding rate by accurate timing of hot / cold water mixture.

Avoid overdue startup. Improve hot water use rate and shorten the waiting time of reheating.

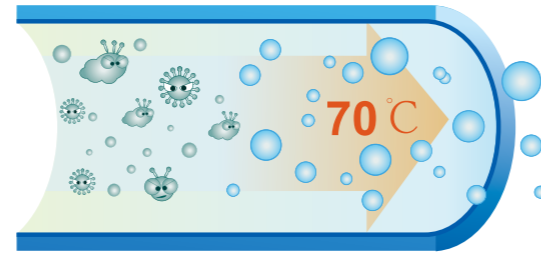


- Water is charged from the bottom and the water inlet pipe has equispaced water inlets, which can reduce cold water shock and enhance the service life of the tank.



Health

- The domestic water is sanitary and can be used directly.
- The enamel water tank and coil will not affect the water quality.
- The disinfection function at a high temperature up to 70°C can prevent the growth of bacteria and ensure sanitary water, creating a wholesome life experience for the user.

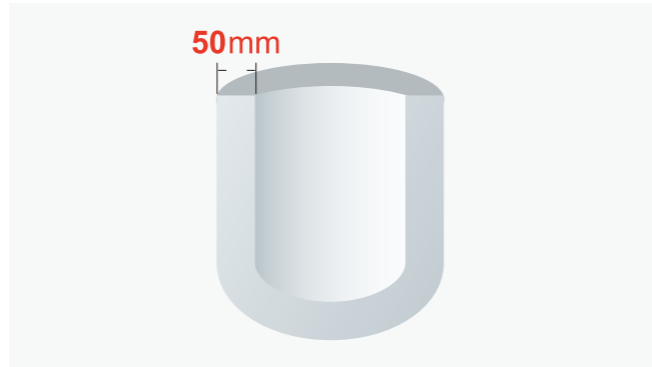


Flexibility

Dual-coil design makes it convenient to join solar panel or boiler.

Reliability

- Adopting bearing tank, the unit can replenish water when using water, ensuring rapid storage and continuous delivery.
- Magnesium stick protecting container contributes to longer lifespan.
- Thermal insulating layer 50mm in thickness.



Isolation of water and electricity ensures safe operation.

Water and electricity are completely separated so that electrical leakage is absolutely avoided. Advanced microcomputer control and complete protection functions help prevent electricity leakage, dry heating, over-high temperature, etc.



Dry heating



Electricity leakage



Over-high temperature

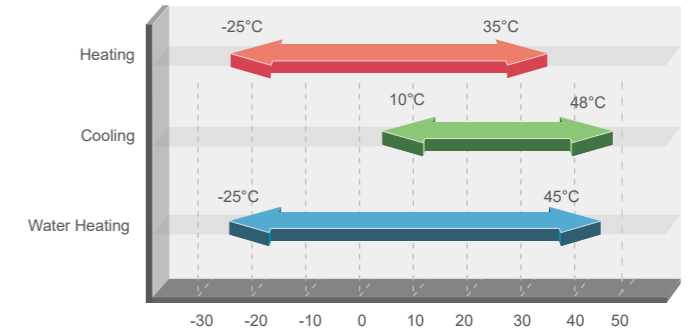
Flexible Applications

Five-Mode Operation

- Heating
- Cooling
- Water Heating
- Heating + Water Heating
- Cooling + Water Heating

- Wide Range of Operation Temperature

Heating	-25~35°C
Cooling	10~48°C
Water Heating	-25~45°C



Hot Water Temperature Range

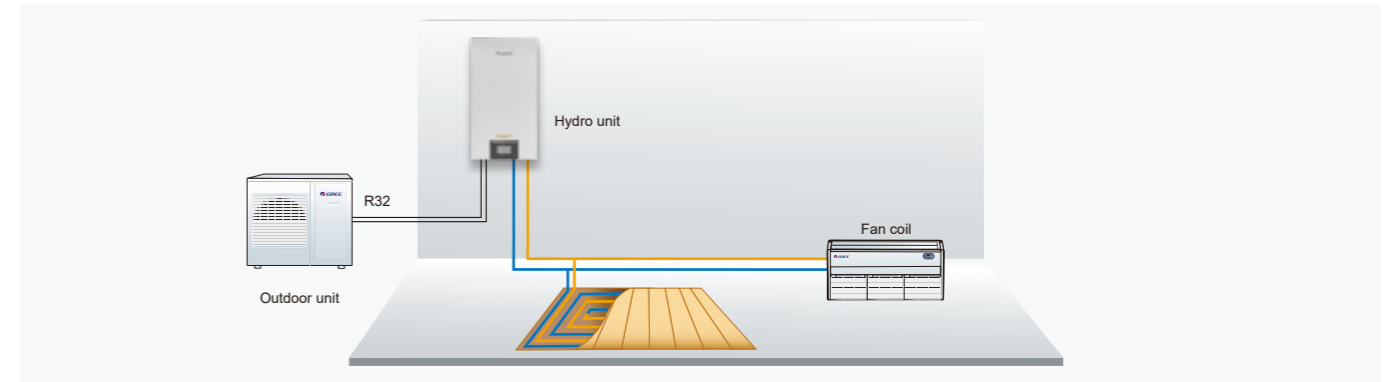
Domestic water: 40°C to 80°C

Heating: 20°C~60°C

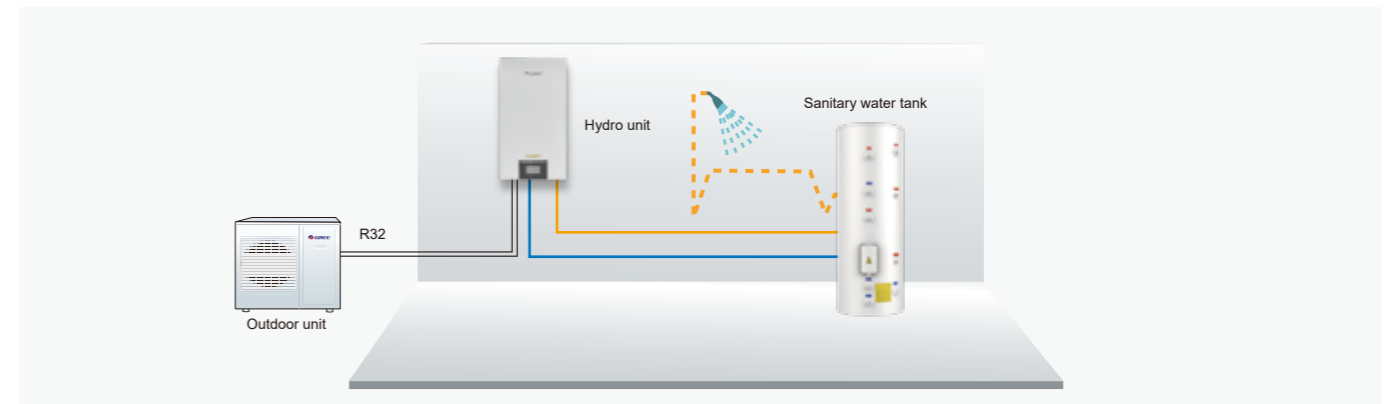
Cooling: 7°C~25°C

Combination Examples :

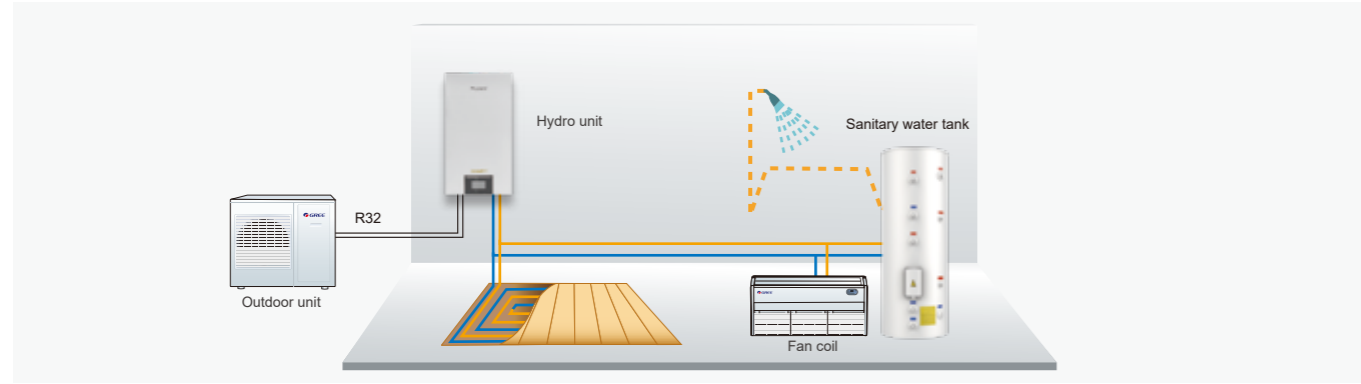
Heating / Cooling



Water Heating



● Heating / Cooling with Water Heating



Multiple Additional Functions and User-friendly Function

- **Urgent Water Heating**
The heat pump uses the backup electric heater in case that any fault occurs.
- **Floor Protection**
The heat pump uses the backup electric heater in case that any fault occurs.

Under floor heating
As for under floor heating, the default highest water temperature is 45°C so that it will not damage the floor or reduce its lifespan due to superheat. (The highest temperature of outlet water during heating operation is 55°C)

Under floor cooling
As for under floor cooling, the default lowest water temperature is 18°C so that it will not produce condensate which will damage the floor or reduce the lifespan of the floor. (The lowest temperature of outlet water during cooling operation is 7°C)
- **Quick Water Heating**
The heat pump and the electric heater of the water tank operate at the same time to realize rapid heating.
- **Disinfection**
The water will be heated to 70°C at set time to kill the bacteria in the water. The disinfection is usually carried out at night.
- **Holiday Mode**
When the user is on a trip in winter, the unit can be set to operate automatically so as to keep the room temperature between 10°C and 15°C.
- **Weather-dependent Operation**
The unit can automatically adjust the operation state according to the temperature range set by the user.
- **User-friendly and Large LED Display.**
- **ON/OFF Timer**
- **Day/Weekly/Count-down Timer**
- **Weekly Programme**
- **Emergency Operation Mode(for Heating and Water Heating only)**
- **Forced Operation Mode**
- **Silent Mode**
- **Central Control**

VERSATI III (Monobloc Type)



It's a kind of integrated DC inverter unit that comprises cooling, heating and water heating functions, and up to 5.0 energy efficiency. It adopts R32 refrigerant and two-stage compressor. For heating, ambient temperature range is -25~35 °C while the leaving water temperature range is 20~60 °C.



Golden fin condenser	Inner groove copper	High efficiency	Intelligent defrosting	Quiet function	Self-diagnosis	Low voltage startup
Low temperature heating	Wide operation range	Wide voltage range	Memory function	Compact design	Comprehensive protection	24 hour timer
Weekly timer	°C/°F switch	Clock display	Child lock	Key-card control	Long-distance monitoring	

- Floor debugging function;
- Integrated structure, simple installation, less installation cost;
- R32 refrigerant, low GWP;
- Adopt two-stage compressor to widen the ambient temperature range for heating;
- Leaving water temperature up to 60 °C , applicable to various heating terminals.

Item	Water Side	Heat Source/User Side
	Leaving Water Temperature(°C)	Environment Dry Bulb Temperature(°C)
Cooling	7~25	-15~48
Heating	20~60	-25~35
Water Heating	40~80	-25~45

Specifications

Model		GRS-CQ4.0Pd/NhG-K	GRS-CQ6.0Pd/NhG-K	GRS-CQ8.0Pd/NhG-K	GRS-CQ10Pd/NhG-K	GRS-CQ12Pd/NhG-K	GRS-CQ14Pd/NhG-K	
Power supply	V/Ph/Hz	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50	
Capacity ^{*1}	Cooling ³	kW	3.8	5.8	6.8	8.8	11	12.5
	Heating ⁴	kW	4	6	7.5	10	12	14
Power input ¹	Cooling ³	kW	0.82	1.32	1.60	2.00	2.56	3.10
	Heating ⁴	kW	0.78	1.20	1.60	2.20	2.64	3.20
EER/COP ¹	W/W	4.63/5.06	4.4/5.0	4.4/4.6	4.5/4.6	4.3/4.55	4.1/4.35	
Capacity ^{*2}	Cooling ⁵	kW	3	4	5	7.8	9.5	12
	Heating ⁶	kW	4	6	7.5	10	12	14
Power input ²	Cooling ⁵	kW	0.94	1.29	1.56	2.48	3.11	4.14
	Heating ⁶	kW	0.98	1.56	2	2.7	3.33	3.94
EER/COP ²	W/W	3.2/4.0	3.1/3.8	3.11/3.75	3.15/3.7	2.97/3.45	2.9/3.35	
Refrigerant charge volume	kg	0.87	0.87	0.87	2.2	2.2	2.2	
Sanitary water temperature	°C	40~80	40~80	40~80	40~80	40~80	40~80	
Sound pressure level	Cooling	dB(A)	51	52	53	56	56	57
	Heating	dB(A)	50	50	51	54	54	55
Connecting pipe	Gas	inch(mm)	/	/	/	/	/	
	Liquid	inch(mm)	/	/	/	/	/	
Dimensions (W × D × H)	Outline	mm	1150×345×758	1150×345×758	1150×345×758	1200×460×878	1200×460×878	1200×460×878
	Packaged	mm	1255×485×890	1255×485×890	1255×485×890	1290×586×1010	1290×586×1010	1290×586×1010
Net weight/Gross weight	kg	96	96	96	147	147	147	
Loading quantity	40'GP	-	84	84	84	58	58	
	40'HQ	-	84	84	84	58	58	

Model		GRS-CQ16Pd/NhG-K	GRS-CQ10Pd/NhG-M	GRS-CQ12Pd/NhG-M	GRS-CQ14Pd/NhG-M	GRS-CQ16Pd/NhG-M	
Power supply	V/Ph/Hz	220~240/1/50	380~415/3/50	380~415/3/50	380~415V/3Ph/50Hz	380~415V/3Ph/50Hz	
Capacity ^{*1}	Cooling ³	kW	14.5	8.8	11	12.5	14.5
	Heating ⁴	kW	15.5	10	12	14	15.5
Power input ¹	Cooling ³	kW	3.82	1.96	2.56	3.05	3.82
	Heating ⁴	kW	3.6	2.17	2.64	3.22	3.6
EER/COP ¹	W/W	3.8/4.3	4.5/4.6	4.3/4.55	4.1/4.35	3.8/4.3	
Capacity ^{*2}	Cooling ⁵	kW	13	7.8	9.5	12	13
	Heating ⁶	kW	15.5	10	12	14	15.5
Power input ²	Cooling ⁵	kW	4.73	2.48	3.11	4.14	4.73
	Heating ⁶	kW	4.56	2.7	3.33	3.94	4.56
EER/COP ²	W/W	2.65/3.30	3.15/3.7	2.97/3.45	2.9/3.35	2.65/3.30	
Refrigerant charge volume	kg	2.2	2.2	2.2	2.2	2.2	
Sanitary water temperature	°C	40~80	40~80	40~80	40~80	40~80	
Sound pressure level	Cooling	dB(A)	59	56	56	57	59
	Heating	dB(A)	57	54	54	55	57
Connecting pipe	Gas	inch(mm)	/	/	/	/	/
	Liquid	inch(mm)	/	/	/	/	/
Dimensions (W × D × H)	Outline	mm	1200×460×878	1200×460×878	1200×460×878	1200×460×878	1200×460×878
	Packaged	mm	1290×586×1010	1290×586×1010	1290×586×1010	1290×586×1010	1290×586×1010
Net weight/Gross weight	kg	147	151	151	151	151	
Loading quantity	40'GP	-	58	58	58	58	
	40'HQ	-	58	58	58	58	

Note:

1.Capacities and power inputs are based on the following conditions:

- Cooling conditions.
 - Outdoor air temperature 35°C DB/-WB.
 - Entering water temperature 23°C.
 - Leaving water temperature 18°C
- Heating conditions.
 - Outdoor air temperature 7°C DB/6°C WB.
 - Entering water temperature 30°C.
 - Leaving water temperature 35°C
 - Standing piping length 5m.

3. For floor cooling.
4. For floor heating.
5. For fan coil unit.
6. For fan coil or radiator.

2.Capacities and power inputs are based on the following conditions:

- Cooling conditions.
 - Outdoor air temperature 35°C DB/-WB.
 - Entering water temperature 12°C.
 - Leaving water temperature 7°C
- Heating conditions.
 - Outdoor air temperature 7°C DB/6°C WB.
 - Entering water temperature 40°C.
 - Leaving water temperature 45°C
 - Standing piping length 5m.

With More Higher Pressure Water Pump Series

Model		GRS-CQ10Pd/NhG2-K	GRS-CQ12Pd/NhG2-K	GRS-CQ14Pd/NhG2-K	GRS-CQ16Pd/NhG2-K	
Power supply	V/Ph/Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	
Capacity ^{*1}	Heating ³	kW	10.00	12.00	14.00	15.50
Power input ¹	Heating ³	kW	2.20	2.64	3.20	3.60
	COP ¹	W/W	4.60	4.55	4.35	4.30
Capacity ^{*2}	Heating ⁴	kW	10.00	12.00	14.00	15.50
Power input ²	Heating ⁴	kW	2.7	3.33	3.94	4.56
	COP ²	W/W	3.70	3.45	3.35	3.30
Refrigerant charge volume	kg	2.20	2.20	2.20	2.20	
Sanitary water Temperature	°C	40~80	40~80	40~80	40~80	
Sound pressure level(heating)	dB(A)	54	54	55	57	
Dimensions	Outline	mm	1200×460×878	1200×460×878	1200×460×878	1200×460×878
	(W × D × H) Packaged	mm	1290×586×1010	1290×586×1010	1290×586×1010	1290×586×1010
Net weight/Gross weight	kg	147/166	147/166	147/166	147/166	
Loading quantity	40'GP	unit	58	58	58	
	40'HQ	unit	58	58	58	

Model		GRS-CQ10Pd/NhG2-M	GRS-CQ12Pd/NhG2-M	GRS-CQ14Pd/NhG2-M	GRS-CQ16Pd/NhG2-M	
Power supply	V/Ph/Hz	380~415V 3N~50Hz	380~415V 3N~50Hz	380~415V 3N~50Hz	380~415V 3N~50Hz	
Capacity ^{*1}	Heating ³	kW	10.0	12.0	14.0	15.5
Power input ¹	Heating ³	kW	2.20	2.64	3.20	3.60
	COP ¹	W/W	4.60	4.55	4.35	4.30
Capacity ^{*2}	Heating ⁴	kW	10.0	12.0	14.0	15.5
Power input ²	Heating ⁴	kW	2.70	3.33	3.94	4.56
	COP ²	W/W	3.70	3.45	3.35	3.30
Refrigerant charge volume	kg	2.2	2.2	2.2	2.2	
Sanitary water Temperature	°C	40~80	40~80	40~80	40~80	
Sound pressure level(heating)	dB(A)	54	54	55	57	
Dimensions	Outline	mm	1200×460×878	1200×460×878	1200×460×878	1200×460×878
	(W × D × H) Packaged	mm	1290×586×1010	1290×586×1010	1290×586×1010	1290×586×1010
Net weight/Gross weight	kg	147/166	147/166	147/166	147/166	
Loading quantity	40'GP	unit	58	58	58	
	40'HQ	unit	58	58	58	

Note:

1.Capacities and power inputs are based on the following conditions:

- Cooling conditions.
 - Outdoor air temperature 35°C DB/-WB.
 - Entering water temperature 23°C.
 - Leaving water temperature 18°C
- Heating conditions.
 - Outdoor air temperature 7°C DB/6°C WB.
 - Entering water temperature 30°C.
 - Leaving water temperature 35°C
 - Standing piping length 5m.

3. For floor cooling.
4. For floor heating.

2.Capacities and power inputs are based on the following conditions:

- Cooling conditions.
 - Outdoor air temperature 35°C DB/-WB.
 - Entering water temperature 12°C.
 - Leaving water temperature 7°C
- Heating conditions.
 - Outdoor air temperature 7°C DB/6°C WB.
 - Entering water temperature 40°C.
 - Leaving water temperature 45°C
 - Standing piping length 5m.

VERSATI III (Split Type)



It's a kind of integrated DC inverter unit that comprises cooling, heating and water heating functions, and up to 5.0 energy efficiency. It adopts R32 refrigerant and two-stage compressor. For heating, ambient temperature range is -25~35°C while the leaving water temperature range is 25~60°C.



Item	Water Side	Heat Source/User Side
	Leaving Water Temperature(°C)	Environment Dry Bulb Temperature(°C)
Cooling	7~25	10~48
Heating	25~60	-25~35
Water Heating	40~80 (water tank)	-25~45

Golden fin condenser	Inner groove copper	High efficiency	Intelligent defrosting	Quiet function	Self-diagnosis	Low voltage startup
Low temperature heating	Wide operation range	Wide voltage range	Memory function	Comprehensive protection	Long-distance monitoring	24 hour timer
Weekly timer	°C/°F switch	Clock display	Child lock	Key-card control		

- Floor debugging function;
- Integrated structure, simple installation, less installation cost;
- R32 refrigerant, low GWP;
- Adopt two-stage compressor to widen the ambient temperature range for heating;
- Leaving water temperature up to 60°C, applicable to various heating terminals.

Specifications

Model		GRS-CQ4.0Pd/NhH-E(O)	GRS-CQ6.0Pd/NhH-E(O)	GRS-CQ8.0Pd/NhH-E(O)	GRS-CQ10Pd/NhH-E(O)	GRS-CQ12Pd/NhH-E(O)	GRS-CQ14Pd/NhH-E(O)
Power supply	V/Ph/Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz
Capacity ¹	Cooling ³	kW	3.80	5.80	7.00	8.50	11.00
	Heating ⁴	kW	4.00	6.00	8.00	9.50	11.50
Power input ¹	Cooling ³	kW	0.82	1.32	1.75	2.24	2.68
	Heating ⁴	kW	0.78	1.20	1.70	2.07	2.53
EER/COP ¹	W/W	4.63/5.13	4.40/5.00	4.00/4.71	3.79/4.59	4.10/4.55	3.70/4.35
Capacity ²	Cooling ⁵	kW	3.15	4.09	5.30	6.50	8.50
	Heating ⁶	kW	4.00	5.90	8.00	9.50	11.80
Power input ²	Cooling ⁵	kW	0.92	1.28	1.73	2.27	3.04
	Heating ⁶	kW	1.02	1.51	2.14	2.64	3.28
EER/COP ²	W/W	3.42/3.92	3.20/3.91	3.06/3.74	2.86/3.60	2.80/3.60	2.60/3.55
Refrigerant charge volume	kg	1.00	1.00	1.60	1.60	1.84	1.84
Sanitary water temperature	°C	40~80	40~80	40~80	40~80	40~80	40~80
Sound pressure level	cooling	dB(A)	52	52	55	55	58
	heating	dB(A)	52	52	55	55	61
Connecting pipe	Gas	inch(mm)	12.70	12.70	12.70	12.70	12.70
	Liquid	inch(mm)	6.35	6.35	6.35	6.35	6.35
Dimensions (W × D × H)	Outline	mm	975×396×702	975×396×702	982×427×787	982×427×787	940×460×820
	Packaged	mm	1028×458×830	1028×458×830	1097×478×937	1097×478×937	1083×573×973
Net weight/Gross weight	kg	55/65	55/65	82/92	82/92	106/118	106/118
Loading quantity	40'GP	set	114	114	96	96	84
	40'HQ	set	171	171	96	96	84

Model		GRS-CQ16Pd/NhH-E(O)	GRS-CQ10Pd/NhH-M(O)	GRS-CQ12Pd/NhH-M(O)	GRS-CQ14Pd/NhH-M(O)	GRS-CQ16Pd/NhH-M(O)
Power supply	V/Ph/Hz	230V~50Hz	400V 3N~50Hz	400V 3N~50Hz	400V 3N~50Hz	400V 3N~50Hz
Capacity ¹	Cooling ³	kW	14.50	8.8	11.0	12.5
	Heating ⁴	kW	15.50	10.0	11.5	13.5
Power input ¹	Cooling ³	kW	3.82	1.96	2.68	3.05
	Heating ⁴	kW	3.60	2.17	2.53	3.22
EER/COP ¹	W/W	3.30/4.30	4.50/4.60	4.10/4.55	3.70/4.35	3.30/4.30
Capacity ²	Cooling ⁵	kW	10.50	7.8	8.5	10.0
	Heating ⁶	kW	15.50	10.0	11.8	14.0
Power input ²	Cooling ⁵	kW	4.73	2.48	3.04	4.14
	Heating ⁶	kW	4.56	2.70	3.28	3.94
EER/COP ²	W/W	2.50/3.40	3.15/3.70	2.80/3.60	2.60/3.55	2.50/3.40
Refrigerant charge volume	kg	1.84	2.20	1.84	1.84	1.84
Sanitary water temperature	°C	40~80	40~80	40~80	40~80	40~80
Sound pressure level	cooling	dB(A)	58	58	58	58
	heating	dB(A)	61	61	61	61
Connecting pipe	Gas	inch(mm)	12.70	16.00	12.70	12.70
	Liquid	inch(mm)	6.35	9.52	6.35	6.35
Dimensions (W × D × H)	Outline	mm	940×460×820	980×360×788	940×460×820	940×460×820
	Packaged	mm	1083×573×973	1097×478×967	1083×573×973	1083×573×973
Net weight/Gross weight	kg	106/118	80/89	106/118	106/118	106/118
Loading quantity	40'GP	set	84	96	84	84
	40'HQ	set	84	96	84	84

Note:

1.Capacities and power inputs are based on the following conditions:

- Cooling conditions.
 - Outdoor air temperature 35°C DB/-WB.
 - Entering water temperature 23°C.
 - Leaving water temperature 18°C
- Heating conditions.
 - Outdoor air temperature 7°C DB/6°C WB.
 - Entering water temperature 30°C.
 - Leaving water temperature 35°C
 - Standing piping length 5m.

3. For floor cooling.

4. For floor heating.

5. For fan coil unit.

6. For fan coil or radiator.

2.Capacities and power inputs are based on the following conditions:

- Cooling conditions.
 - Outdoor air temperature 35°C DB/-WB.
 - Entering water temperature 12°C.
 - Leaving water temperature 7°C
- Heating conditions.
 - Outdoor air temperature 7°C DB/6°C WB.
 - Entering water temperature 40°C.
 - Leaving water temperature 45°C
 - Standing piping length 5m.

Versati III (All In One)

It's a kind of integrated DC inverter unit that comprises cooling, heating and water heating functions, and up to 5.0 energy efficiency. It adopts R32 refrigerant and two-stage compressor. For heating, ambient temperature range is -25~35 C while the leaving water temperature range is 25~60 C .

Model		GRS-CQ4.0Pd/NhH-E(I)	GRS-CQ6.0Pd/NhH-E(I)	GRS-CQ8.0Pd/NhH-E(I)	GRS-CQ10Pd/NhH-E(I)	GRS-CQ12Pd/NhH-E(I)	GRS-CQ14Pd/NhH-E(I)	
Power supply	V/Ph/Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	
Nominal input	W	100	100	100	100	100	100	
Leaving water temperature	Cooling ¹	°C	18	18	18	18	18	
	Cooling ²	°C	7	7	7	7	7	
	Heating ¹	°C	35	35	35	35	35	
	Heating ²	°C	45	45	45	45	45	
Pump	Type	-	Inverter	Inverter	Inverter	Inverter	Inverter	
	Nr. of speed	-	10	10	10	10	10	
	Power input	W	75	75	75	75	85	85
	Water flow limit	LPM	12	12	12	12	12	12
	Operation	-	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Electric heater	Steps	-	2	2	2	2	2	
	Capacity	kW	3	3	3	3	3	
	Combination	kW	1.5+1.5	1.5+1.5	3+3	3+3	3+3	
	Power input	V/Ph/Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	
Sound pressure level	dB(A)	29	29	29	29	31	31	
Connecting pipe	Gas	inch(mm)	12.7	12.7	12.7	12.7	12.7	
	Liquid	inch(mm)	6.35	6.35	6.35	6.35	6.35	
Dimensions (W × D × H)	Outline	mm	860×460×318	860×460×318	860×460×318	860×460×318	860×460×318	
	Packaged	mm	1133×568×390	1133×568×390	1133×568×390	1133×568×390	1133×568×390	
Net weight/Gross weight	kg	62/71	62/71	62/71	62/71	62/71	62/71	
Loading quantity	40'GP	set	240	240	240	240	240	
	40'HQ	set	240	240	240	240	240	



Model		GRS-CQ16Pd/NhH-E(I)	GRS-CQ10Pd/NhH-M(I)	GRS-CQ12Pd/NhH-M(I)	GRS-CQ14Pd/NhH-M(I)	GRS-CQ16Pd/NhH-M(I)
Power supply	V/Ph/Hz	230V~50Hz	400V 3N~50Hz	400V 3N~50Hz	400V 3N~50Hz	400V 3N~50Hz
Nominal input	W	110	100	110	110	110
Leaving water temperature	Cooling ¹	°C	18	18	18	18
	Cooling ²	°C	7	7	7	7
	Heating ¹	°C	35	35	35	35
	Heating ²	°C	45	45	45	45
Pump	Type	-	Inverter	Inverter	Inverter	Inverter
	Nr. of speed	-	10	10	10	10
	Power input	W	85	75	85	85
	Water flow limit	LPM	12	9	10	10
	Operation	-	Automatic	Field supply	Automatic	Automatic
Electric heater	Steps	-	2	2	2	2
	Capacity	kW	6	3	6	6
	Combination	kW	3+3	3+3	3+3	3+3
	Power input	V/Ph/Hz	220~240V~50Hz	400V 3N~50Hz	400V 3N~50Hz	400V 3N~50Hz
Sound pressure level	dB(A)	31	31	31	31	31
Connecting pipe	Gas	inch(mm)	12.7	16	16	16
	Liquid	inch(mm)	6.35	9.52	9.52	9.52
Dimensions (W × D × H)	Outline	mm	860×460×318	981×500×324	981×500×324	981×500×324
	Packaged	mm	1133×568×390	1043×608×395	1043×608×395	1043×608×395
Net weight/Gross weight	kg	62/71	57/66	57/66	57/66	57/66
Loading quantity	40'GP	set	240	205	205	205
	40'HQ	set	240	246	246	246

Note:
 1.Capacities and power inputs are based on the following conditions:
 • Cooling conditions.
 Outdoor air temperature 35°C DB/-WB.
 Entering water temperature 23°C.
 Leaving water temperature 18°C
 • Heating conditions.
 Outdoor air temperature 7°C DB/6°C WB.
 Entering water temperature 30°C.
 Leaving water temperature 35°C
 Standing piping length 5m.

2.Capacities and power inputs are based on the following conditions:
 • Cooling conditions.
 Outdoor air temperature 35°C DB/-WB.
 Entering water temperature 12°C.
 Leaving water temperature 7°C
 • Heating conditions.
 Outdoor air temperature 7°C DB/6°C WB.
 Entering water temperature 40°C.
 Leaving water temperature 45°C
 Standing piping length 5m.

- Floor debugging function;
- Integrated structure, simple installation, less installation cost;
- R32 refrigerant, low GWP;
- Adopt two-stage compressor to widen the ambient temperature range for heating;
- Leaving water temperature up to 60°C, applicable to various heating terminals.



Item	Water side	Heat source/User side
	Leaving water temperature(°C)	Environment dry bulb temperature(°C)
Cooling	7~25	10~48
Heating	20~60	-25~35
Water heating	40~80	-25~45

Note:
 *1: When operating conditions are out of the range listed above, please contact Gree.

Specifications

Outdoor Unit

Model		GRS-CQ4.0Pd/NhH-E(O)	GRS-CQ6.0Pd/NhH-E(O)	GRS-CQ8.0Pd/NhH-E(O)	GRS-CQ10Pd/NhH-E(O)	GRS-CQ12Pd/NhH-E(O)	GRS-CQ14Pd/NhH-E(O)	
Power supply	V/Ph/Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	
Capacity ¹	Cooling ³	kW	3.80	5.80	7.00	8.50	11.00	12.50
	Heating ⁴	kW	4.00	6.00	8.00	9.50	11.50	13.50
Power input ¹	Cooling ³	kW	0.82	1.32	1.75	2.24	2.68	3.05
	Heating ⁴	kW	0.78	1.20	1.70	2.07	2.53	3.22
EER/COP ¹	W/W	4.63/5.13	4.40/5.00	4.00/4.71	3.79/4.59	4.10/4.55	3.70/4.35	
Capacity ²	Cooling ⁵	kW	3.15	4.09	5.30	6.50	8.50	10.00
	Heating ⁶	kW	4.00	5.90	8.00	9.50	11.80	14.00
Power input ²	Cooling ⁵	kW	0.92	1.28	1.73	2.27	3.04	4.14
	Heating ⁶	kW	1.02	1.51	2.14	2.64	3.28	3.94
EER/COP ²	W/W	3.42/3.92	3.20/3.91	3.06/3.74	2.86/3.60	2.80/3.60	2.60/3.55	
Refrigerant charge volume	kg	1.00	1.00	1.60	1.60	1.84	1.84	
Sanitary water temperature	°C	40~80	40~80	40~80	40~80	40~80	40~80	
Sound pressure level	cooling	dB(A)	52	52	55	55	58	
	heating	dB(A)	52	52	55	55	61	
Connecting pipe	Gas	inch(mm)	12.70	12.70	12.70	12.70	12.70	
	Liquid	inch(mm)	6.35	6.35	6.35	6.35	6.35	
Dimensions (W × D × H)	Outline	mm	975×396×702	975×396×702	982×427×787	982×427×787	940×460×820	940×460×820
	Packaged	mm	1028×458×830	1028×458×830	1097×478×937	1097×478×937	1083×573×973	1083×573×973
Net weight/Gross weight	kg	55/65	55/65	82/92	82/92	106/118	106/118	
Loading quantity	40'GP	set	114	114	96	96	84	84
	40'HQ	set	171	171	96	96	84	84

Model		GRS-CQ16Pd/NhH-E(O)	GRS-CQ10Pd/NhH-M(O)	GRS-CQ12Pd/NhH-M(O)	GRS-CQ14Pd/NhH-M(O)	GRS-CQ16Pd/NhH-M(O)	
Power supply	V/Ph/Hz	230V~50Hz	400V 3N~50Hz	400V 3N~50Hz	400V 3N~50Hz	400V 3N~50Hz	
Capacity ¹	Cooling ³	kW	14.5	8.8	11.0	12.5	14.5
	Heating ⁴	kW	15.5	10.0	11.5	13.5	15.5
Power input ¹	Cooling ³	kW	3.82	1.96	2.68	3.05	3.82
	Heating ⁴	kW	3.60	2.17	2.53	3.22	3.60
EER/COP ¹	W/W	3.30/4.30	4.50/4.60	4.10/4.55	3.70/4.35	3.30/4.30	
Capacity ²	Cooling ⁵	kW	10.50	7.80	8.50	10.00	10.50
	Heating ⁶	kW	15.50	10.00	11.80	14.00	15.50
Power input ²	Cooling ⁵	kW	4.73	2.48	3.04	4.14	4.73
	Heating ⁶	kW	4.56	2.70	3.28	3.94	4.56
EER/COP ²	W/W	2.50/3.40	3.15/3.70	2.80/3.60	2.60/3.55	2.50/3.40	
Refrigerant charge volume	kg	1.84	2.20	1.84	1.84	1.84	
Sanitary water temperature	°C	40~80	40~80	40~80	40~80	40~80	
Sound pressure level	cooling	dB(A)	58	58	58	58	58
	heating	dB(A)	61	61	61	61	61
Connecting pipe	Gas	inch(mm)	12.70	12.70	12.70	12.70	12.70
	Liquid	inch(mm)	6.35	6.35	6.35	6.35	6.35
Dimensions (W × D × H)	Outline	mm	940×460×820	980×360×788	940×460×820	940×460×820	940×460×820
	Packaged	mm	1083×573×973	1097×478×967	1083×573×973	1083×573×973	1083×573×973
Net weight/Gross weight	kg	106/118	80/89	106/118	106/118	106/118	
Loading quantity	40'GP	set	84	96	84	84	84
	40'HQ	set	84	96	84	84	84

Note:

1.Capacities and power inputs are based on the following conditions:

- Cooling conditions.
 - Outdoor air temperature 35°C DB/-WB.
 - Entering water temperature 23°C.
 - Leaving water temperature 18°C
- Heating conditions.
 - Outdoor air temperature 7°C DB/6°C WB.
 - Entering water temperature 30°C.
 - Leaving water temperature 35°C
 - Standing piping length 5m.

- 3. For floor cooling.
- 4. For floor heating.
- 5. For fan coil unit.
- 6. For fan coil or radiator.

2.Capacities and power inputs are based on the following conditions:

- Cooling conditions.
 - Outdoor air temperature 35°C DB/-WB.
 - Entering water temperature 12°C.
 - Leaving water temperature 7°C
- Heating conditions.
 - Outdoor air temperature 7°C DB/6°C WB.
 - Entering water temperature 40°C.
 - Leaving water temperature 45°C
 - Standing piping length 5m.

Indoor Unit

Model		GRS-CQ4.0PdG/NhH-E(I)	GRS-CQ6.0PdG/NhH-E(I)	GRS-CQ8.0PdG/NhH-E(I)	GRS-CQ10PdG/NhH-E(I)	GRS-CQ12PdG/NhH-E(I)	GRS-CQ14PdG/NhH-E(I)
Power supply	V/Ph/Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz
Nominal input	W	100	100	100	100	100	100
Leaving water temperature	Cooling ¹	°C	18	18	18	18	18
	Cooling ²	°C	7	7	7	7	7
	Heating ¹	°C	35	35	35	35	35
Pump	Heating ²	°C	45	45	45	45	45
	Type	-	inverter	inverter	inverter	inverter	inverter
Electric heater	Nr. of speed	-	10	10	10	10	10
	Power input	W	75	75	75	85	85
	Water flow limit	LPM	12	12	12	12	12
Sound pressure level	Operation	-	Automatic	Automatic	Automatic	Automatic	Automatic
	Steps	-	2	2	2	2	2
	Capacity	kW	3	3	3	6	6
	Combination	kW	1.5+1.5	1.5+1.5	3+3	3+3	3+3
	Power input	V/Ph/Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz
Connecting pipe	Gas	inch(mm)	12.7	12.7	12.7	12.7	12.7
Dimensions (W × D × H)	Outline	mm	600×600×1756	600×600×1756	600×600×1756	600×600×1756	600×600×1756
	Packaged	mm	803×683×2000	803×683×2000	803×683×2000	803×683×2000	803×683×2000
Net weight/Gross weight	kg	210/233	210/233	210/233	210/233	210/233	210/233
Loading quantity	40'GP	set	48	48	48	48	48
	40'HQ	set	48	48	48	48	48

Model		GRS-CQ16PdG/NhH-E(I)	GRS-CQ10PdG/NhH-M(I)	GRS-CQ12PdG/NhH-M(I)	GRS-CQ14PdG/NhH-M(I)	GRS-CQ16PdG/NhH-M(I)
Power supply	V/Ph/Hz	230V~50Hz	400V 3N~50Hz	400V 3N~50Hz	400V 3N~50Hz	400V 3N~50Hz
Nominal input	W	110	100	100	100	100
Leaving water temperature	Cooling ¹	°C	18	18	18	18
	Cooling ²	°C	7	7	7	7
	Heating ¹	°C	35	35	35	35
Pump	Heating ²	°C	45	45	45	45
	Type	-	inverter	inverter	inverter	inverter
Electric heater	Nr. of speed	-	10	10	10	10
	Power input	W	85	75	75	75
	Water flow limit	LPM	12	9	9	9
Sound pressure level	Operation	-	Automatic	Automatic	Automatic	Automatic
	Steps	-	2	2	2	2
	Capacity	kW	6	6	6	6
	Combination	kW	3+3	3+3	3+3	3+3
	Power input	V/Ph/Hz	230V~50Hz	400V 3N~50HZ	400V 3N~50HZ	400V 3N~50HZ
Connecting pipe	Gas	inch(mm)	12.7	16	16	16
Dimensions (W × D × H)	Liquid	inch(mm)	6.35	9.52	9.52	9.52
	Outline	mm	600×600×1750	600×600×1750	600×600×1750	600×600×1750
Net weight/Gross weight	kg	210/233	210/233	210/233	210/233	210/233
Loading quantity	40'GP	set	48	48	48	48
	40'HQ	set	48	48	48	48

Note:

1.Capacities and power inputs are based on the following conditions:

- Cooling conditions.
 - Outdoor air temperature 35°C DB/-WB.
 - Entering water temperature 23°C.
 - Leaving water temperature 18°C
- Heating conditions.
 - Outdoor air temperature 7°C DB/6°C WB.
 - Entering water temperature 30°C.
 - Leaving water temperature 35°C
 - Standing piping length 5m.

2.Capacities and power inputs are based on the following conditions:

- Cooling conditions.
 - Outdoor air temperature 35°C DB/-WB.
 - Entering water temperature 12°C.
 - Leaving water temperature 7°C
- Heating conditions.
 - Outdoor air temperature 7°C DB/6°C WB.
 - Entering water temperature 40°C.
 - Leaving water temperature 45°C
 - Standing piping length 5m.

Key Features

2nd Generation DC Inverter Air to Water Heat Pump



Eco-friendly — Create a Green World

Versati adopts R410A, a new eco-friendly refrigerant which is harmless to the atmosphere. Moreover, with advanced heat pump technology and powerful hardware, the efficiency of Versati has been improved, resulting in much lower CO2 emission. It is an eco-friendly product, which mirrors your social commitment to protect the environment.

Versati II, a DC inverter multifunctional air to water heat pump adopting advanced heat pump technology, absorbs natural heat from the ambient air and then heats it for room heating. It not only satisfies room heating requirements but also supplies domestic hot water. Besides, Versati can also provide you cool air in hot summer. It is an All-in-One!
Choose Versati, and enjoy a comfortable life all year round!



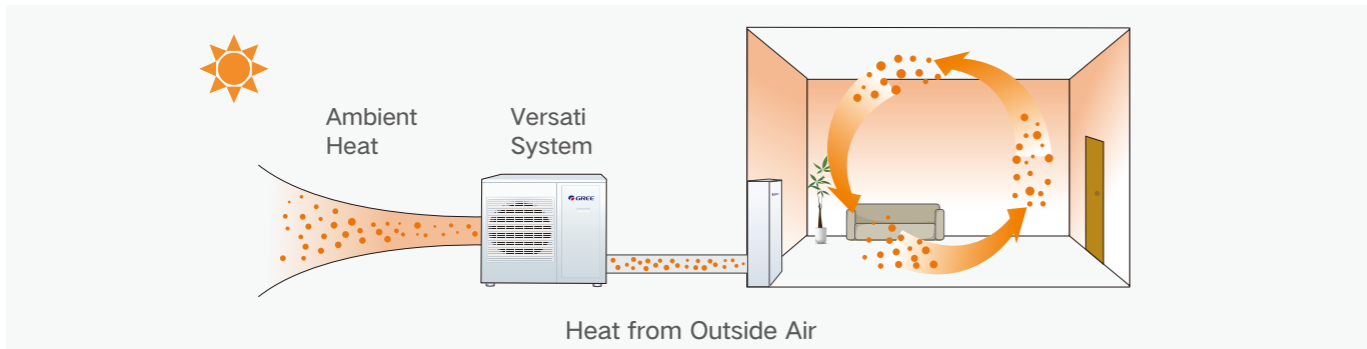
Outdoor Unit: Sustainable Energy Converter



Versati II adopts DC inverter technology, and the most efficient refrigerant R410A with zero ozone depletion, with excellent COP up to 4.56.

Heat Pump Technology Lows the Consumption and CO₂ Emissions

Versati based on heat pump technology, which extracts the heat energy from the outside air and increases its temperature for domestic heating purposes, greatly reduces the energy consumption and CO₂ emissions.



Super DC Inverter Technology

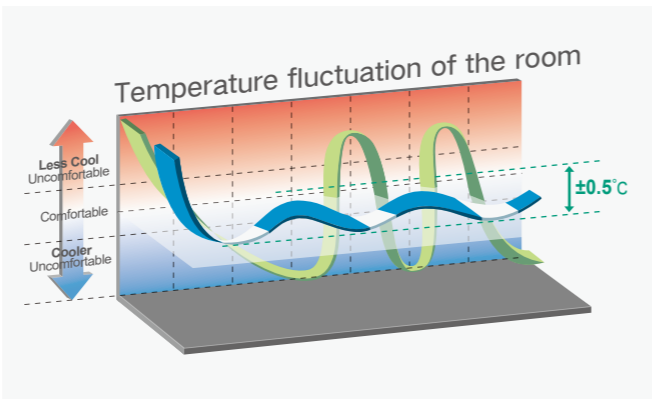
- Twin Rotary DC Inverter Compressor**
 Compared with traditional compressor, DC inverter compressor has the advantages of high performance and high efficiency.
- DC Inverter System**
 The inverter technology with high-power and high energy efficiency not only creates comfortable living circumstance, but also saves energy.
- Traditional System**
 ON and OFF frequently cause temperature fluctuation.

By adopting DC inverter technology, the compressor regulates its output according to the cooling/heating load to achieve higher energy efficiency.

DC inverter compressor optimizes its output which ensures high efficient operation.

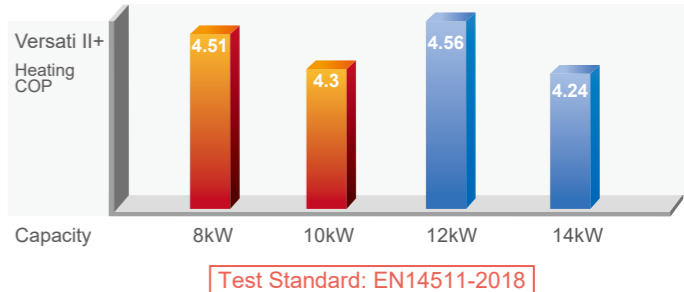
With stepless power regulation technology, the DC inverter compressor achieves stepless output regulation between 20Hz and 120Hz.

The 180 degree sine wave current output features in small startup current, small torque pulse and free speed regulation between 900 and 6600r/min. It enables the system to meet the temperature requirements of various circumstances, lowers the power consumption greatly and ensures comfortable use.



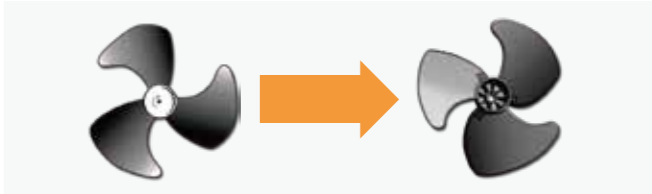
COP up to 4.56

With its perfect class COP performance, Versati delivers more heating power with less energy consumption. The maximum COP is up to 4.56.



Fan and Motor

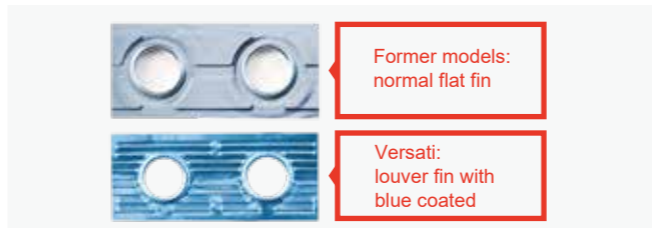
- Efficient Axial Fan**
 Efficient axial fan with its streamline design and huge air flow volume, offers powerful cooling capacity and ensures the stability and reliability of system.
- DC Fan Motor**
 The stepless adjustment of DC fan motor ensures higher air flow volume and lower power consumption.



Heat Exchanger

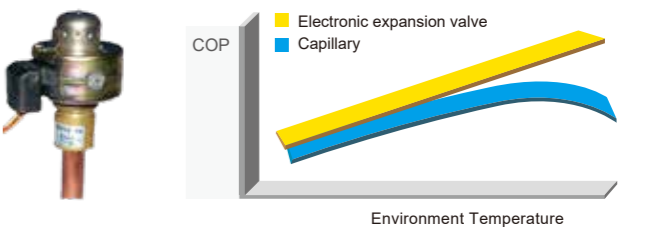
Compared with the common fin, the heat exchange efficiency of the louver fin is increased by 5%.

Special thickened inner groove copper pipe enhances the heat exchange performance by over 8%.



Electronic Expansion Valve

The electronic expansion valve is highly flexible. It can automatically adjust the throttle according to the refrigerant demand based on the stability of the system. It is more energy saving and stable than capillary.



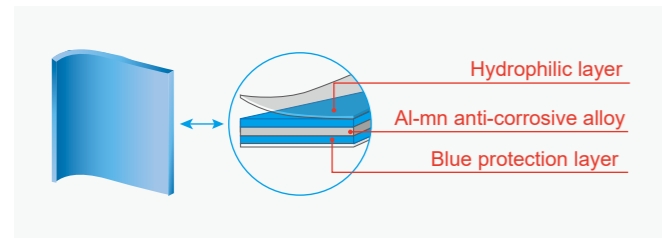
Comfort

- Precise Temperature Regulation**
 The electronic expansion valve guarantees that the system make adjustments automatically according to the changes of the circumstance and water temperature.
- Quiet Mode**
 By adjusting the output of the compressor and fan, the operation noise of the unit can be decreased by more than 3dB(A), meeting the quiet requirement at night or in special occasions.

Reliability

Heat Exchange Anti-corrosion

Highly anti-corrosion blue hydrophilic coated aluminum fin has longer lifespan than common blue fin.



Wide Voltage Range Operation



Self-diagnosis of Outdoor Unit

With the self-diagnosis function, the outdoor unit will start auto-protection if the power voltage or the current is out of the normal range. Protection will be cancelled automatically if the power condition resumes normal.

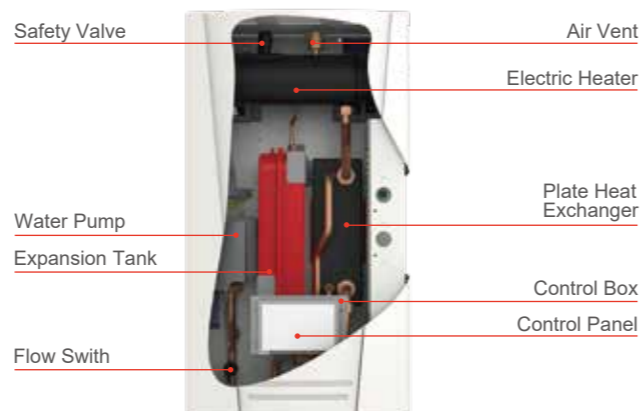
Compact Design

Compact design ensures larger load-space, thus, saving much transport costs.



Indoor Hydro: Heating/Cooling and Hot Water System

The indoor hydro-box transfers the heat in the refrigerant to the water circulated in the central heating radiators, under-floor heating system and sanitary hot water heating system and sanitary hot water tank. If you opt for the combination of heating and cooling, then the indoor unit can also decrease the water temperature to distribute a refreshing coolness.



High Efficiency

High COP plate heat exchanger



High efficient pump



Flexible and Compact Design



Compact design, easy for installation
Dimension (W×D×H) (mm)

500×323×900mm

Pressure safety, plate heat exchanger, expansion tank, water pump and control box all in one

Intelligent Temperature Control

The advanced control of the system is integrated in the indoor hydro unit. The timer can be programmed per hour or per day. In this way, the temperature is reduced automatically at night or during your holiday, but will be pleasantly warm when you get up or return home.



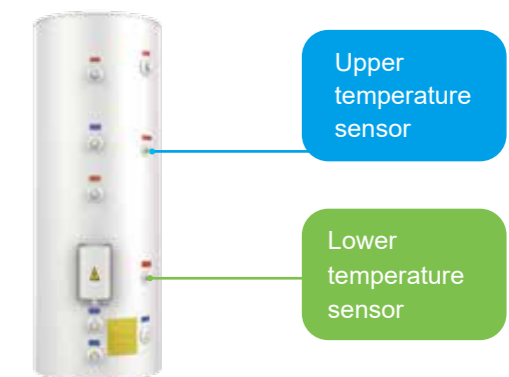
Comfort

Smart Dual-temperature Detection Control Technology

ON and OFF control of the unit is realized by upper and lower temperature sensors, which renews water temperature in real time, thus ensuring the perfect timing of startup:

Avoid premature startup. Improve hot water yielding rate by accurate timing of hot / cold water mixture.

Avoid overdue startup. Improve hot water use rate and shorten the waiting time of reheating.

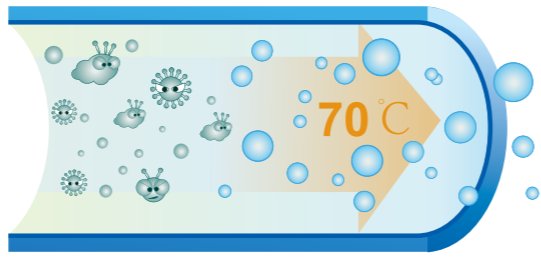


- Water is charged from the bottom and the water inlet pipe has equispaced water inlets, which can reduce cold water shock and enhance the service life of the tank.



Health

- The domestic water is sanitary and can be used directly.
- The enamel water tank and coil will not affect the water quality.
- The disinfection function at a high temperature up to 70°C can prevent the growth of bacteria and ensure sanitary water, creating a wholesome life experience for the user.

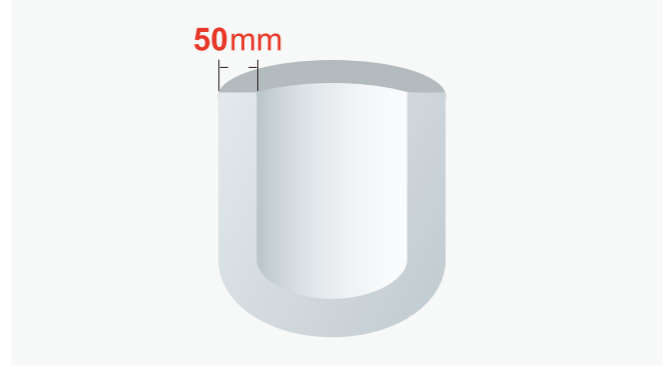


Flexibility

Dual-coil design makes it convenient to join solar panel or boiler.

Reliability

- Adopting bearing tank, the unit can replenish water when using water, ensuring rapid storage and continuous delivery.
- Magnesium stick protecting container contributes to longer lifespan.
- Thermal insulating layer 50mm in thickness.



- Isolation of water and electricity ensures safe operation.** Water and electricity are completely separated so that electrical leakage is absolutely avoided. Advanced microcomputer control and complete protection functions help prevent electricity leakage, dry heating, over-high temperature, etc.



Dry heating



Electricity leakage



Over-high temperature

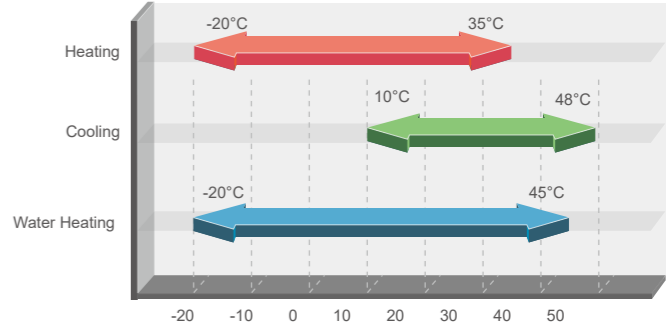
Flexible Applications

Five-Mode Operation

- Heating
- Cooling
- Water Heating
- Heating + Water Heating
- Cooling + Water Heating

- Wide Range of Operation Temperature

Heating	-20~35°C
Cooling	10~48°C
Water Heating	-20~45°C



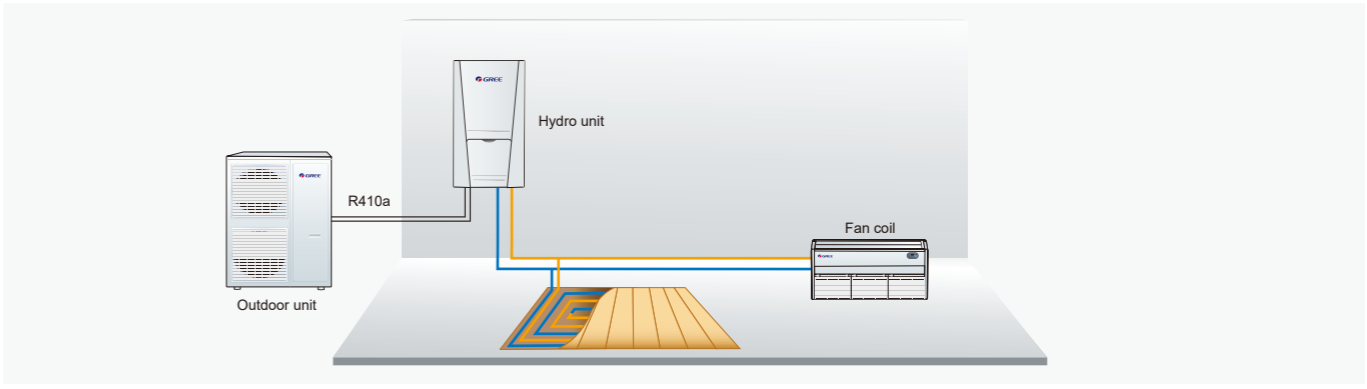
- Hot Water Temperature Range**
Domestic water: 40°C to 80°C

Heating: Fan coil/Radiator: 25°C~55°C
Floor : 25°C~45°C

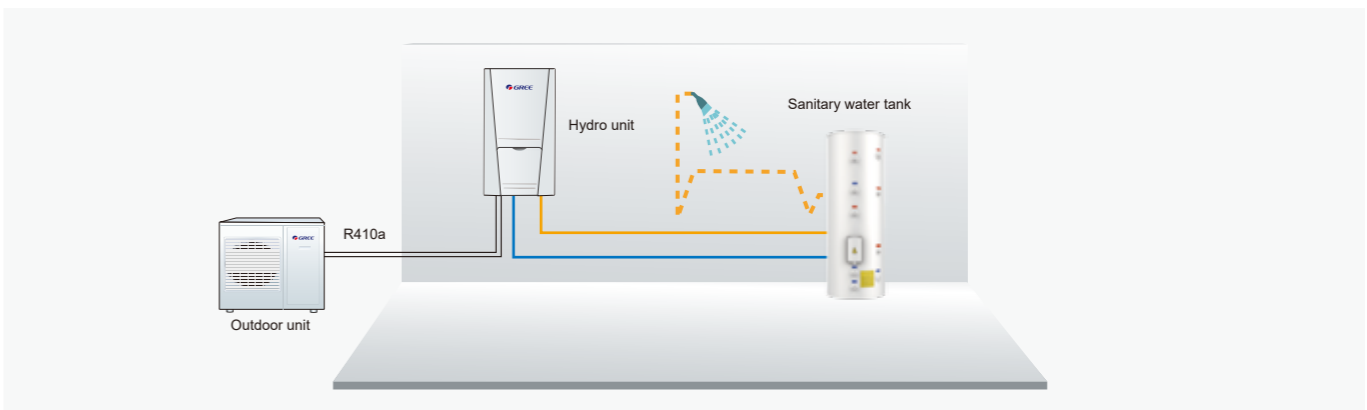
Cooling: Fan coil/Radiator: 7°C~25°C
Floor : 18°C~25°C

Combination Examples :

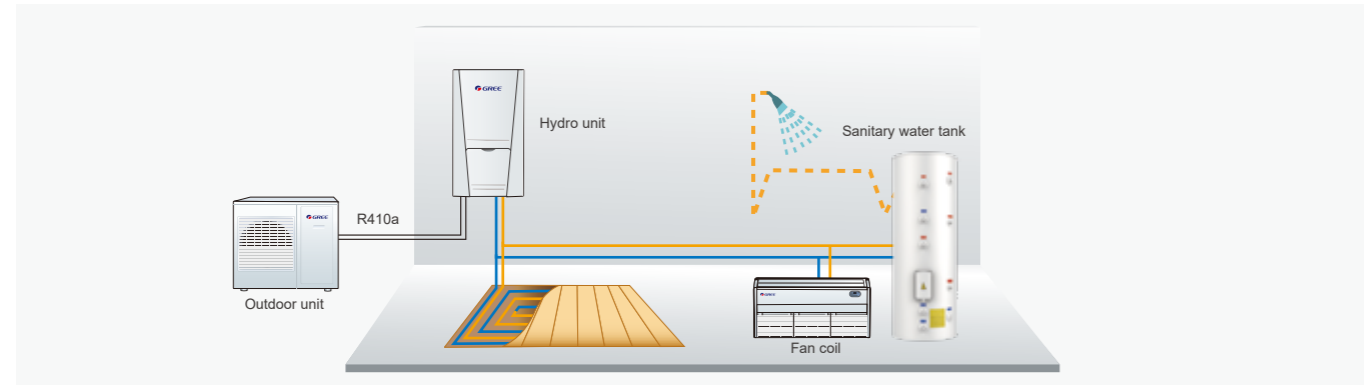
- Heating / Cooling



- Water Heating



● Heating / Cooling with Water Heating



Multiple Additional Functions and User-friendly Function

- **Urgent Water Heating**
The heat pump uses the backup electric heater in case that any fault occurs.
- **Floor Protection**
The heat pump uses the backup electric heater in case that any fault occurs.

Under floor heating
As for under floor heating, the default highest water temperature is 45°C so that it will not damage the floor or reduce its lifespan due to superheat. (The highest temperature of outlet water during heating operation is 55°C)

Under floor cooling
As for under floor cooling, the default lowest water temperature is 18°C so that it will not produce condensate which will damage the floor or reduce the lifespan of the floor. (The lowest temperature of outlet water during cooling operation is 7°C)
- **Quick Water Heating**
The heat pump and the electric heater of the water tank operate at the same time to realize rapid heating.
- **Disinfection**
The water will be heated to 70°C at set time to kill the bacteria in the water. The disinfection is usually carried out at night.
- **Holiday Mode**
When the user is on a trip in winter, the unit can be set to operate automatically so as to keep the room temperature between 10°C and 15°C.
- **Weather-dependent Operation**
The unit can automatically adjust the operation state according to the temperature range set by the user.
- **User-friendly and Large LED Display.**
- **ON/OFF Timer**
- **Day/Weekly/Count-down Timer**
- **Weekly Programme**
- **Emergency Operation Mode(for Heating and Water Heating only)**
- **Forced Operation Mode**
- **Silent Mode**
- **Central Control**

Versati II

Versati II water heater can perform cooling, heating, water heating, cooling+water heating, and heating+water heating. It can be connected to radiator, under floor or fan coil for heat radiation.



- Golden fin condenser
- Auxiliary electric heater
- Quiet function
- High efficiency
- Intelligent defrosting
- Energy saving function
- Compact design

- This unit is very powerful, smart and user-friendly, featuring various functions including holiday mode, absence mode, quiet mode, quiet preset, clock timer, weekly timer, holiday exclusion, floor setting, environment dependency mode, etc.
- Cooling performance satisfies EU ERP energy efficiency, with a rating up to A++. Motor and water pump elements conform to the requirements set out by the EU Eco Directive.
- It can perform cooling, heating, water heating, cooling+water heating, and heating+water heating, and can be connected to radiator, floor or fan coil for heat radiation.

Mode	Heat Source Side Temperature(°C)	User Side Temperature(°C)
Heating	-20~35	25~55
Cooling	10~48	7~25
Water Heating	-20~45	40~80

Specifications

Outdoor Unit

Model			GRS-CQ8.0Pd/NaE-K(O)	GRS-CQ10Pd/NaE-K(O)	GRS-CQ12Pd/NaE-K(O)
Power supply	V/Ph/Hz		220~240/1/50	220~240/1/50	220~240/1/50
Capacity*1	Cooling	kW	7.8	8.2	12.5
	Heating	kW	8	10	12
Power input*1	Cooling	kW	2	2.1	3
	Heating	kW	1.8	2.3	2.8
EER/COP*1	W/W		4.0/4.5	3.9/4.4	4.2/4.3
Capacity*2	Cooling	kW	6.3	7.2	8.5
	Heating	kW	7.6	9.5	11.5
Power input*2	Cooling	kW	2.3	2.8	2.8
	Heating	kW	2.2	2.9	3.4
EER/COP*2	W/W		2.7/3.4	2.6/3.3	3.1/3.38
Refrigerant charge volume	kg		2.3	2.3	3.6
Sanitary water temperature	°C		40~80	40~80	40~80
Sound pressure level	Cooling	dB(A)	54	54	56
	Heating	dB(A)	56	56	58
Connecting pipe	Gas	inch(mm)	φ15.9	φ15.9	φ15.9
	Liquid	inch(mm)	φ9.52	φ9.52	φ9.52
Dimensions (W×D×H)	Outline	mm	980×360×787	980×340×1350	900×340×1350
	Packaged	mm	1097×478×940	1097×478×940	993×453×1500
Net weight/Gross weight	kg		80/89	80/89	107/117
Loading quantity	40'GP	set	96	96	50
	40'HQ	set	96	96	50

Model			GRS-CQ14Pd/NaE-K(O)	GRS-CQ16Pd/NaE-K(O)	GRS-CQ12Pd/NaE-M(O)	GRS-CQ14Pd/NaE-M(O)	GRS-CQ16Pd/NaE-M(O)
Power supply	V/Ph/Hz		220~240/1/50	220~240/1/50	380~415V/3/50	380~415V/3/50	380~415V/3/50
Capacity*1	Cooling	kW	13.5	14.5	13.5	14.5	15
	Heating	kW	14	15.5	12	14	15.5
Power input*1	Cooling	kW	3.4	3.8	3.55	4.03	4.23
	Heating	kW	3.3	3.75	2.86	3.41	3.82
EER/COP*1	W/W		4.0/4.2	3.8/4.1	3.8/4.2	3.6/4.1	3.6/4.05
Capacity*2	Cooling	kW	9	9.5	10	10.5	11
	Heating	kW	12.5	14.5	11.5	13	14
Power input*2	Cooling	kW	3	3.3	3.33	3.62	3.86
	Heating	kW	3.8	4.5	3.52	4.02	4.24
EER/COP*2	W/W		3/3.3	2.9/3.2	3.0/3.3	2.9/3.3	2.85/3.2
Refrigerant charge volume	kg		3.6	3.6	3.6	3.6	3.6
Sanitary water temperature	°C		40~80	40~80	40~80	40~80	40~80
Sound pressure level	Cooling	dB(A)	56	56	56	56	56
	Heating	dB(A)	58	58	58	58	58
Connecting pipe	Gas	inch(mm)	φ15.9	φ15.9	φ15.9	φ15.9	φ15.9
	Liquid	inch(mm)	φ9.52	φ9.52	φ9.52	φ9.52	φ9.52
Dimensions (W×D×H)	Outline	mm	900×340×1350	900×340×1350	900×340×1350	900×340×1350	900×340×1350
	Packaged	mm	993×453×1500	993×453×1500	993×453×1500	993×453×1500	993×453×1500
Net weight/Gross weight	kg		107/117	107/117	107/117	114/124	114/124
Loading quantity	40'GP	set	50	50	50	50	50
	40'HQ	set	50	50	50	50	50

Note:*1 for floor cooling ; *2 for fan coil cooling; *3 for floor heating; *4 for fan coil heating.

Indoor Hydro Unit

Model		Indoor unit	GRS-CQ8.0Pd/NaE-K(I)	GRS-CQ10Pd/NaE-K(I)	GRS-CQ12Pd/NaE-K(I)
Power supply	V/Ph/Hz		220~240/1/50	220~240/1/50	220~240/1/50
Nominal input	W		6100	6100	6100
Leaving water temperature	Cooling ¹	°C	18	18	18
	Cooling ²	°C	7	7	7
	Heating ³	°C	35	35	35
	Heating ⁴	°C	45	45	45
Pump	Type	-	RS25/7.5	RS25/7.5	RS25/7.5
	Nr. of speed	-	800 / 4770	800 / 4770	800 / 4770
	Power input	W	4-75	4-75	4-75
	Water flow limit	LPM	25(under the max. pump lift)		
Electric heater	Operation	-	Yes	Yes	Yes
	Steps	-	2	2	2
	Capacity	kW	6	6	6
	Combination	kW	3*2	3*2	3*2
Power input	Ph/V/Hz		1Ph/220~240V/50Hz	1Ph/220~240V/50Hz	1Ph/220~240V/50Hz
Sound pressure level	dB(A)		31	31	31
Connecting pipe	Gas	inch(mm)	φ15.9	φ15.9	φ15.9
	Liquid	inch(mm)	φ9.52	φ9.52	φ9.52
Dimensions (W×D×H)	Outline	mm	900×500×323	900×500×323	900×500×323
	Packaged	mm	1083×603×395	1083×603×395	1083×603×395
Net weight/Gross weight	kg		56/65	56/65	57/66
Loading quantity	40'GP	set	205	205	205
	40'HQ	set	246	246	246

Model		Indoor unit	GRS-CQ14Pd/NaE-K(I)	GRS-CQ16Pd/NaE-K(I)	GRS-CQ12Pd/NaE-M(I)	GRS-CQ14Pd/NaE-M(I)	GRS-CQ16Pd/NaE-M(I)
Power supply	V/Ph/Hz		220~240/1/50	220~240/1/50	380~415/3/50	380~415/3/50	380~415/3/50
Nominal input	W		6100	6100	6100	6100	6100
Leaving water temperature	Cooling ¹	°C	18	18	18	18	18
	Cooling ²	°C	7	7	7	7	7
	Heating ³	°C	35	35	35	35	35
	Heating ⁴	°C	45	45	45	45	45
Pump	Type	-	RS25/7.5	RS25/7.5	RS25/7.5	RS25/7.5	RS25/7.5
	Nr. of speed	-	800 / 4770	800 / 4770	800 / 4770	800 / 4770	800 / 4770
	Power input	W	4-75	4-75	4-75	4-75	4-75
	Water flow limit	LPM	25(under the max. pump lift)				
Electric heater	Operation	-	Yes	Yes	Yes	Yes	Yes
	Steps	-	2	2	1	1	1
	Capacity	kW	6	6	6	6	6
	Combination	kW	3*2	3*2	6*1	6*1	6*1
Power input	Ph/V/Hz		1Ph/220~240V/50Hz	1Ph/220~240V/50Hz	380~415V/3Ph/50Hz	380~415V/3Ph/50Hz	380~415V/3Ph/50Hz
Sound pressure level	dB(A)		31	31	31	31	31
Connecting pipe	Gas	inch(mm)	φ15.9	φ15.9	φ15.9	φ15.9	φ15.9
	Liquid	inch(mm)	φ9.52	φ9.52	φ9.52	φ9.52	φ9.52
Dimensions (W×D×H)	Outline	mm	900×500×323	900×500×323	900×500×323	900×500×323	900×500×323
	Packaged	mm	1083×603×395	1083×603×395	1083×603×395	1083×603×395	1083×603×395
Net weight/Gross weight	kg		57/66	57/66	58/67	58/67	58/67
Loading quantity	40'GP	set	205	205	205	205	205
	40'HQ	set	246	246	246	246	246

Note:*1 for floor cooling ; *2 for fan coil cooling; *3 for floor heating; *4 for fan coil heating.

Water Tank

Model			SXVD300LCJ2/A-K
Water tank volume	L		300
Power supply	Ph/V/Hz		1/230/50
Electric heater power	W		3000
Screw thread spec of pipe	Cool water inlet	inch(mm)	φ3/4"Female BSP(19.05)
	Hot water outlet	inch(mm)	φ3/4"Female BSP(19.05)
Dimension	Outline	Diameter×H	φ620×1710
	Packaged	W×D×H	870×738×1843
Net weight/Gross weight	kg		135/163
Loading quantity	40'GP/40'HQ	set	38/57



Versati II + (Split Type)

Versati II+(split type) adopts two-stage compression and enthalpy-adding design, with water leaving temperature as high as 60°C. Thanks to small attenuation of heating capacity under low temperature, it is applicable to high water temperature heating in cold regions.



- It is very powerful, featuring various functions including environment dependency mode, holiday mode, absence mode, weekly timer, clock timer, time and temperature preset, floor setting, etc. to meet different customer demands.
- It adopts two-stage compression and medium air make-up design. Its heating performance under low ambient temperature is exceptionally remarkable, with water leaving temperature as high as 60°C.
- It adopts a special medium control mode to ensure that compressor can always run at the best efficiency.

Specifications

Outdoor Unit

Model		GRS-CQ8.0Pd/NaD-K(O)	GRS-CQ10Pd/NaD-K(O)	GRS-CQ12Pd/NaD-M(O)	GRS-CQ14Pd/NaD-M(O)
Power Supply	V/Ph/Hz	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50
Capacity*1	Cooling	kW	8.2	9.7	13.5
	Heating	kW	8	9.2	12
Power input*1	Cooling	kW	1.86	2.46	3.46
	Heating	kW	1.85	2.19	2.67
EER/COP*1	W/W	4.41/4.32	3.94/4.20	3.90/4.49	3.80/4.20
Capacity*2	Cooling	kW	5.5	6.9	9.6
	Heating	kW	7.7	9	12
Power input*2	Cooling	kW	1.85	2.34	3.02
	Heating	kW	2.26	2.65	3.24
EER/COP*2	W/W	2.97/3.41	2.95/3.40	3.18/3.70	3.11/3.60
Refrigerant charge volume	kg	3.5	3.5	5.3	5.3
Sanitary water temperature	°C	40~80	40~80	40~80	40~80
Sound pressure level	Cooling	dB(A)	53	53	57
	Heating	dB(A)	54	54	57
Connecting pipe	Gas	inch(mm)	15.9	15.9	15.9
	Liquid	inch(mm)	9.52	9.52	9.52
Dimensions (W×D×H)	Outline	mm	980×360×787	980×360×787	900×340×1350
	Packaged	mm	1093×473×865	1093×473×865	993×453×1500
Net weight/Gross weight	kg	85/87	85/87	126/136	126/136
Loading quantity	40'GP	set	96	96	50
	40'HQ	set	96	96	50

Note:

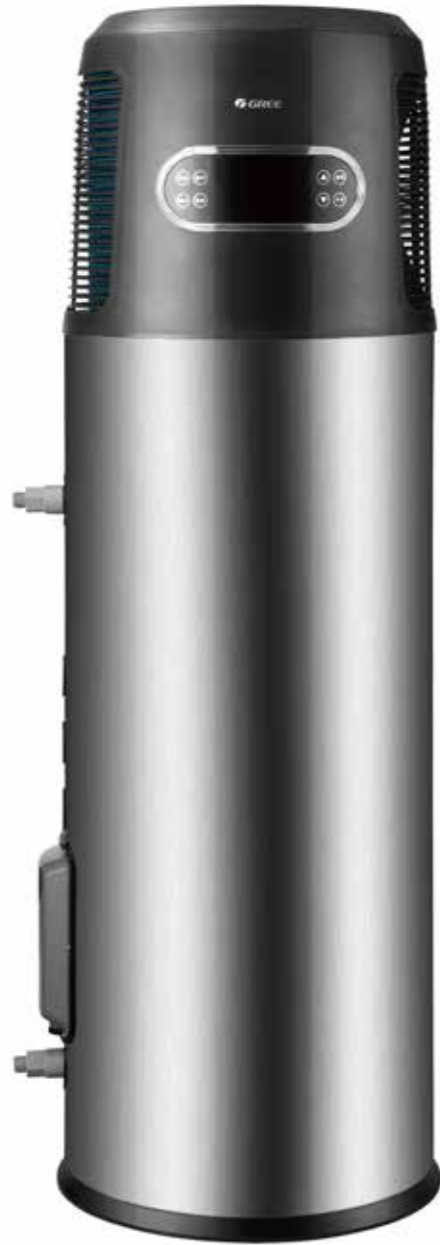
- 1.Capacities and power inputs are based on the following conditions:
- Cooling conditions.
 - Indoor water temperature 23°C/18°C.
 - Outdoor air temperature 35°C DB/24°C WB.
 - Heating conditions.
 - Indoor water temperature 30°C/35°C.
 - Outdoor air temperature 7°C DB/6°C WB.
 - Standing piping length 7.5m.

- 2.Capacities and power inputs are based on the following conditions:
- Cooling conditions.
 - Indoor water temperature 12°C/7°C.
 - Outdoor air temperature 35°C DB/24°C WB.
 - Heating conditions.
 - Indoor water temperature 40°C/45°C.
 - Outdoor air temperature 7°C DB/6°C WB.
 - Standing piping length 7.5m.

Indoor Hydro Unit

Model		Indoor unit	GRS-CQ8.0Pd/NaD-K(I)	GRS-CQ10Pd/NaD-K(I)	GRS-CQ12Pd/NaD-M(I)	GRS-CQ14Pd/NaD-M(I)
Power supply	V/Ph/Hz		220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50
Leaving water temperature	Cooling ¹	°C	18	18	18	18
	Cooling ²	°C	7	7	7	7
	Heating ³	°C	35	35	35	35
	Heating ⁴	°C	45	45	45	45
Pump	Type	-	Water-cooled	Water-cooled	Water-cooled	Water-cooled
	Nr. of speed	-	Variable-speed	Variable-speed	Variable-speed	Variable-speed
	Power input	W	105	105	105	105
	Water flow limit	LPM	12	12	12	12
Electric heater	Operation	-	Automatic	Automatic	Automatic	Automatic
	Steps	-	2	2	1	1
	Capacity	kW	6	6	6	6
	Combination	kW	3*2	3*2	6*1	6*1
Power input	Ph/W/Hz		1/220/50	1/220/50	3/400/50	3/400/50
Sound pressure level	Gas	dB(A)	31	31	31	31
	Liquid	inch(mm)	15.9	15.9	15.9	15.9
Connecting pipe	Gas	inch(mm)	15.9	15.9	15.9	15.9
	Liquid	inch(mm)	9.52	9.52	9.52	9.52
Dimensions (W×D×H)	Outline	mm	900×500×323	900×500×323	900×500×323	900×500×323
	Packaged	mm	1083×603×395	1083×603×395	1083×603×395	1083×603×395
Net weight/Gross weight	kg		56/65	56/65	58/67	58/67
Loading quantity	40'GP	set	205	205	205	205
	40'HQ	set	246	246	246	246

Note:*1 for floor cooling ; *2 for fan coil cooling; *3 for floor heating; *4 for fan coil heating.



The Air to Water Heater adopts integrated design of outdoor unit and water tank, with beautiful appearance, small size, high-end intelligence and easy installation. It is suitable for household usage.

Integral Heat Pump Water Heater

The ATW heater adopts integrated design of outdoor unit and water tank, with beautiful appearance, small size, high-end intelligence and easy installation. It is suitable for household usage.



GRS-1.5/TD150ANbA-K
GRS-1.5/TD200ANbA-K



Controller ZF5201



GRS-2.4/D270ANbA-K



Controller XK64

Gree Integral Heat Pump Water Heater

By taking advantage of heat pump and consuming some electricity as compensation, it acquires heat (air source) from environment through thermal circuit. Then the heat will be transferred to condenser by compressor and released to heat water inside water tank subsequently. The COP is 3 times more than that of traditional water heater.



Integral Design & Convenient Installation

- Applying integral design which combines compressor, evaporator, condenser and water tank in a same cabinet, it can be installed without refrigeration pipe so that the installation becomes convenient and meets requirement of the decoration.
- Using static heating mode, the unit has no circular water system. The installation and maintenance are very convenient.

Hot Water Supplied All Day

The unit will not be affected by night or weather. The highest outlet water temperature can reach 70°C to meet requirement of different places and users. Hot water can be supplied all day and all year round.

Self-adaption Control for Electronic Expansion Valve

Use self-adaption control of electronic expansion valve and take advantage of heat in the air to heat water.

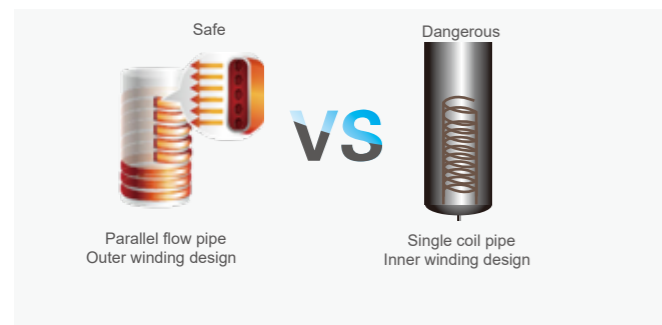
Equispaced Water Inlets

Water is charged from the bottom and the water inlet pipe has equi-spaced water inlets, which can reduce cold water shock and enhance the service life of the tank.



Outer Winding Coil Pipe

- The outside of inner water tank is surrounded with 2 ways of coil pipes which greatly promote efficiency of heat exchange and stabilize water system.
- Heat from bottom of water tank to make the heating-up temperature more even and heat flux larger.



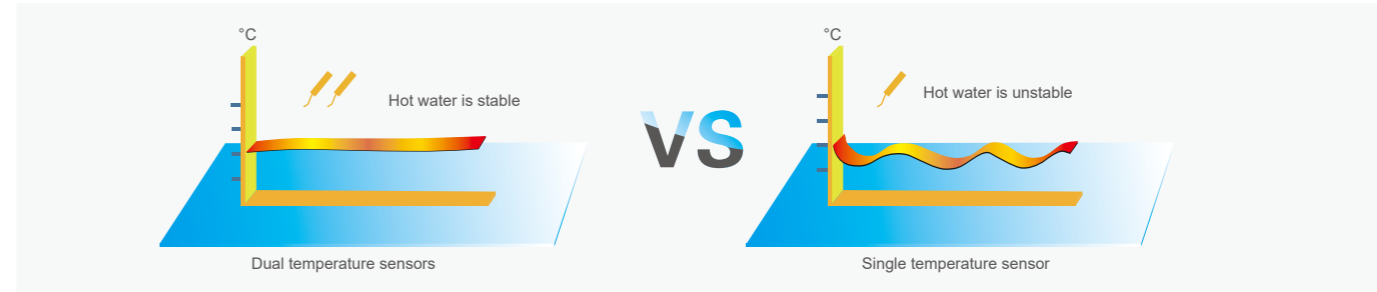
Note: This feature is only fit for water tank model GRS-1.5/D150ANbA-K/GRS-1.5/D200ANbA-K/GRS-2.4/D270ANbA-K only.

- Parallel flow heat exchanger has bigger contact surface so that the heat exchange efficiency is higher; its material has good thermal conduction.



Two Temperature Sensors

- Each temperature sensor respectively on the top and bottom to inspect water temperature and operation of the unit. The control for water temperature is more accurate.
- Start-stop control is more accurate and water temperature is adjusted in general.
- Avoid early startup of the unit which would mix cool and hot water inside the water tank earlier so as to promote hot water yield of water tank.
- Avoid late startup of the unit which would cause low use ratio of hot water and long waiting time for re-heating.



Reliable and Durable

- Use special compressor for hot water which is high temperature and high pressure resistant. Compared with common compressor, its efficiency is higher and sealing structure is better and intensity of rotor is better. The complete system is more secure and reliable so as to guarantee normal operation within wide scope of working condition.
- Inner water tank is made of rustless steel and with extended magnesium rod which is anticorrosive so as to prolong the lifespan of the unit.
- Controlled by microcomputer to automatically realize heating, thermal insulation, defrosting, and freeze protection.

Eco-friendly and Safe

- There is no need for boiler or gas so that the pollution and toxic gas will not be produced and CO poisoning will not happen.
- Both inner and outer tanks are insulated and refrigerant pipe is completely isolated from water so that reliability and water quality can be assured.
- Water and electricity are completely isolated so as to avoid potential risk, like electric leakage.
- Empty chamber design for water tank effectively relieves inner pressure. The safety valve is installed on the bottom of the water tank to prevent overhigh temperature and stabilize the water pressure.
- The product has passed drop, vibration and pile tests and it can normally work after going through rough transportation conditions.
- There are multiple protections for security and malfunction inspection, including anti-creeping switch, over-temperature protection, anti-dry protection, overpressure protection, anti-reversal for water protection, auto temperature control, etc.

User-friendly Operation Mode

- Superior operation interface with user-friendly mode.
- HOT WATER, SAVE, PRESET and NIGHT can be chosen. Water temperature can be freely set during 35~70°C. Meanwhile, TIMER on/off can also be set.
- There are multiple operation modes for the unit, including Standard Hot Water Mode, Energy Saving, Night and Preset Hot Water. The energy saving mode can meet requirement of user for hot water and meanwhile energy can be saved.

Item	Nominal operating condition (temperature)			
	Outdoor condition		Water side condition	
	DB (°C)	WB (°C)	Initial water (°C)	Final water (°C)
Heating	20	15	15	55



Model		GRS-1.5/TD150ANbA-K	GRS-1.5/TD200ANbA-K
Capacity ¹	kW	1.5	1.5
Power input ¹	kW	0.429	0.429
COP ² _{DHW}	W/W	2.47	2.24
Refrigerant	-	R134a	R134a
Refrigerant charge volume	kg	0.8	0.8
Refrigerant design pressure	Mpa	2.8	2.8
Tank design pressure	Mpa	0.8	0.8
Running ambient temp.	°C	0~45	0~45
Outwater temp.	°C	35~70	35~70
Sound power level(heating) ³	dB(A)	62	62
Volume	L	150	190
Water pipeline	Waterinlet pipe	inch	0.59
	Water outlet pipe	inch	0.59
	Drainage pipe	inch	0.59
Dimensions(W×D×H)	outline	mm	621×561×1760
	Packaged	mm	731×717×1845
Net weight/Gross weight	kg	92/112	102.5/122.5
Loading quantity	40'GP/40'HQ	set	48/48

Notes:

- (1) Value obtained with the following conditions: Outdoor temperature: 20°C DB/15°C WB; Water tank temperature (start/end): 15°C /55°C.
- (2) Value obtained with an air temperature of 7°C and a water inlet at 10°C, as per EN16147, (EU) No 814/2013.
- (3) Value obtained as per EN 12102-2008.

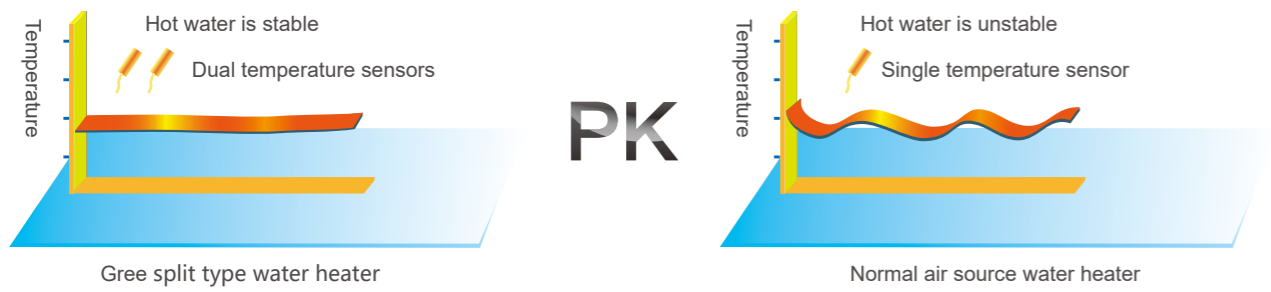


Gree Split Type Water Heater offers you with sufficient hot water, ensuring a warm and comfortable life to each family. The rated water heating capacity ranges from 2.8~3.5kW. They are not only energy-saving but also with high-tech smart technology for your easy control.

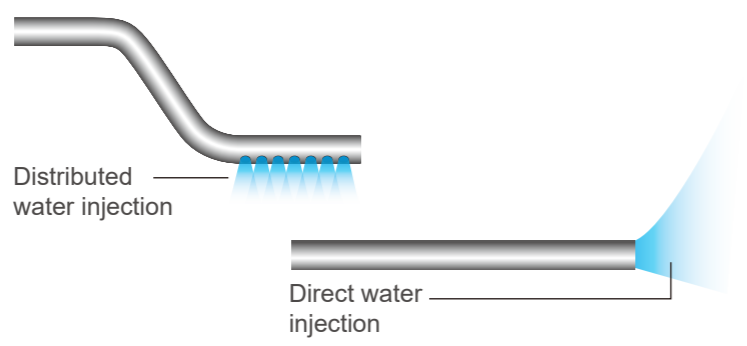
Split Type Water Heater

Warm and Comfortable Life

- Flexible control by dual temperature sensors for improving utilization ratio of hot water**
 Two temperature sensors have been installed on the water tank of Gree split type water heater. They can sense the water temperature and operation status of unit at real time. Through precise control and water temperature adjustment.



- Distributed water injection design for bath at any time**
 The water tank adopts distributed water injection at the bottom for efficiently circulating control. By matching with the middle separation slow flow technology, water will split-flow downwards to reducing the disturbance to upper hot water, which can improve the service performance of hot water greatly and ensure the hot water volume inside water tank.



Note: This feature is fit for SXTD200LCJW/C1-K and SXTD200LCJW/C2-K only.

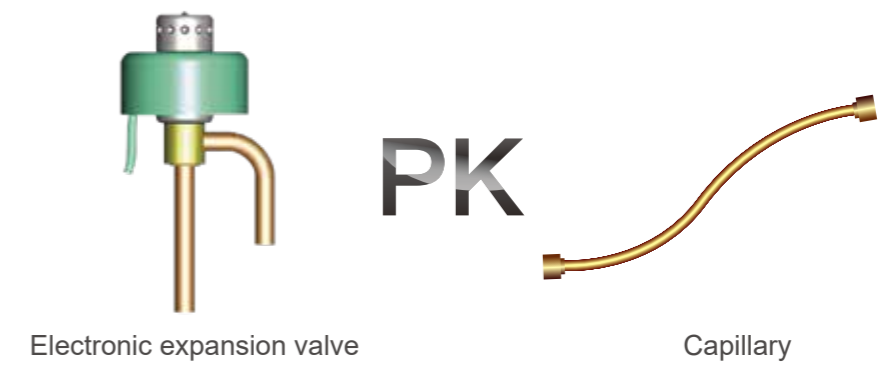
More Efficiency and Energy-saving Life

Especial compressor system design for hot water, self-adaptive adjustment and control technology for electronic expansion valve, 45mm high efficiency insulating layer .

- Especial compressor system design for hot water, safe and reliable**
 Adopt special compressor for hot water. Compared with normal compressor, motor efficiency is much higher, sealing structure is much better, rotor strength is more powerful and complete system is much safer and more reliable.



- Self-adaptive adjustment and control technology for electronic expansion valve, higher efficiency and more energy-saving**
 Adopt self-adaptive adjustment and control method for satisfying auto system adjustment under different ambient temperature and then output the proper throttling opening of electronic expansion valve. Therefore, the flow volume of refrigerant is more precise, operation is safer and more reliable, and the system is more energy-saving and more efficient..



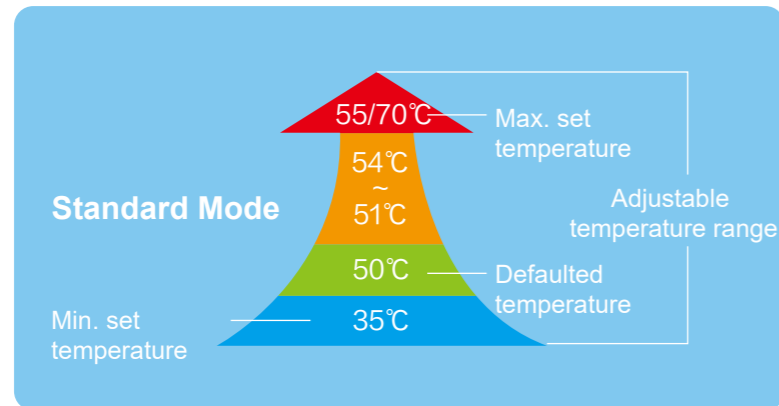
- 45mm high efficiency thermal insulation**
 Water tank adopts high efficiency 45mm foaming layer for thermal insulation. 360° 3D thermal insulation for keeping the heat inside the water tank.

Smart Life with Humanized Technology

Humanized technology: 5 kinds of modes for selection

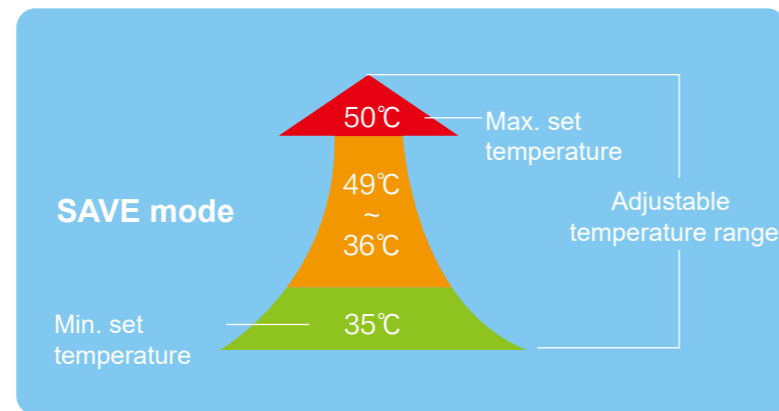
The unit is with multiple operation functions. It can realize HOT WATER, SAVE, NIGHT and PRESET hot water mode, and those four kinds of modes according to the selection of user. Meanwhile, user can set timer ON and timer OFF.

HOT WATER mode: The defaulted water outlet temperature is 50°C. User can also adjust the water temperature freely. The highest water temperature can reach 55/70°C*.



Note:* The model of GRS-S3.5PdG/NaA-K and GRS-S3.5PdG/NaA1-K can reach 55°C, while GRS-S3.0PdG/NaA-K can reach 70°C.

SAVE mode: As summer is hot, the water temperature can be lower. Gree air source water heater is with SAVE mode and the water temperature range is 35~50°C for saving energy.



TIMER mode: Set timer ON in advance according to requirement. Gree air source water heater will be started up in time to heat water.



NIGHT mode: In some cities, the electricity price at night is lower than daytime, Gree air source water heater can be turned on automatically at night, which can save cost for you.



PRESET mode: Preset the time when you need to use hot water. The unit will intelligently start up the heating device in advance to heat the water according to your preset for providing you with hot water in time.

Split Type Water Heater

Gree split type water heater offers you with sufficient hot water, ensuring a warm and comfortable life to each family. Its installation is convenient and it is applicable for a family of 3 to 5 members.



SXTD200LCJW/A-K



Controller XK64



Self-diagnosis



°C/°F switch



Inner groove copper



Compact design



Clock display



Intelligent defrosting



Easier maintainability



Child lock



Energy saving

- **Safety and eco-friendly**
Water and electricity are separated to avoid possible electric shock. Without possible toxicities of CO, user's safety can be ensured. No pollutant is released during operation, so there is no damage to the environment.
- **Reliable and durable**
Adopting special compressor, the unit is resistant to high temp. and pressure. The water tank adopts advanced stainless steel inner container with ultra-long magnesium sticks. The entire unit is with multiple protection functions to ensure long lifespan of the system.
- **Easy installation**
Without limitation of environment, the unit can be installed in kitchen, garage, stock room or basement. It is also suitable for skyscrapers, villa, and so on. Installation and maintenance are convenient for its no cycle waterway system.
- **Easy operation**
Water temperature can be set. Water supply can be on or off depending on water temperature and water consumption, so that hot water can be supplied at any time. Unit on/off can be set by user according to requirements (the unit will stop once water temperature reaches the setting point). Running of unit in electric platykurtosis is possible to reduce electricity fee.
- **Intelligent defrosting**
The unit with anti-freezing and intelligent defrosting functions can efficiently prevent freezing and frosting.
- **All-day use**
The unit can make and supply hot water all day in despite of night, overcast and rainy days.

