

***Owner's Guide
and
Installation Instructions***



Rheem Heat Pump Water Heater

RHP-5207C Series



This water heater must be installed and serviced by a qualified person.

Please leave this guide with the householder.

Table of Content

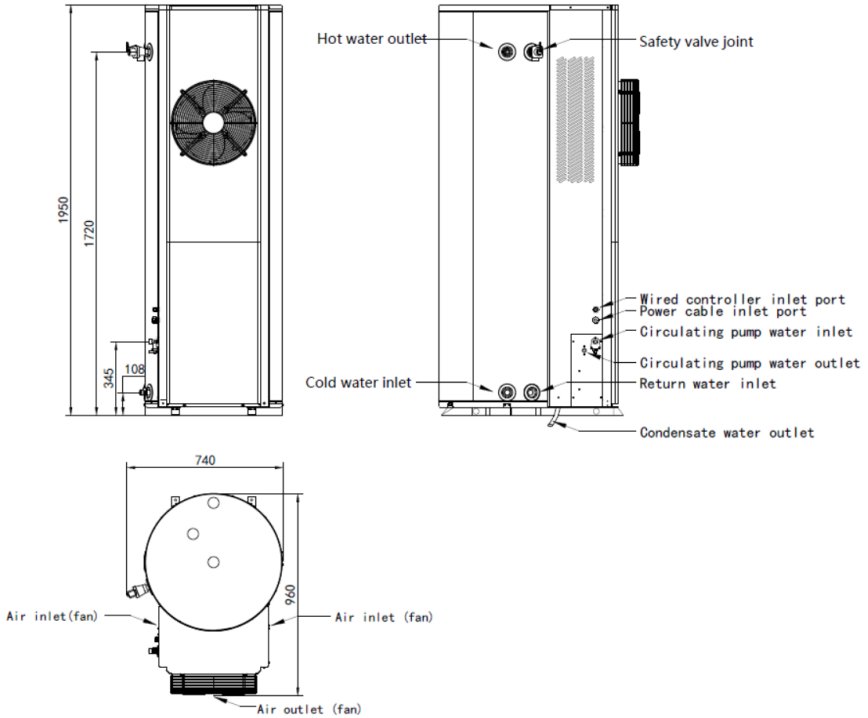
<u>Packing List</u>	<u>2</u>
<u>Technical Specifications.....</u>	<u>3</u>
<u>Installation.....</u>	<u>4</u>
<u>Pipe connection.....</u>	<u>7</u>
<u>Wire connection.....</u>	<u>11</u>
<u>Operation and usage.....</u>	<u>14</u>
<u>Maintenance.....</u>	<u>21</u>
<u>Common faults and solutions.....</u>	<u>23</u>
<u>Replacement Parts.....</u>	<u>26</u>
<u>Warranty Policy.....</u>	<u>27</u>

Packing List		
No	Name	Qty.
1	Heat Pump Water Heater	1
2	T&P relief valve	1
3	Non-return valve (6")	1
4	Non-return valve (4")	1
5	Drain valve	1
6	Extension tube (6")	1
7	Wiring controller	1
8	Instruction manual	1
9	Warranty card	1
10	Qualification card	1

Technical Specifications

Model		RHP400-5207C
Power Supply		220V ~ 50Hz
IP rating		IPX4
HP heating capacity (W)		5250
HP heating power/current input (W/A)		1250/5.7
Auxiliary electric heating rated power/ current (W/A)		3600/16.4
Maximum power/current input (W/A)		5500/25
Water heating capacity (L/h)		113
Refrigerant (charging amount: kg)		R134a (1.38)
Heat pump maximum water outlet temp. (°C)		70
Adjustable temperature range (°C)		35 ~ 75
Water side	Heat exchanger	Microchannel
	Tank capacity (L)	400
	Tank inlet/outlet/return water inlet connection	Rp3/4" (DN20)
	Relief valve connection	Rp3/4" (DN20)
	Circulating pump water inlet/outlet	Rp1/2" (DN15)
	Maximum Pressure (MPa)	0.85
Air side	Heat exchanger type	Internal thread tube with hydrophilic aluminum foil
	Air inlet/outlet	Side/Front
Dimension	Length (mm)	740
	Width (mm)	960
	Height (mm)	1950
Weight - Empty (kg)		180kg
Weight - Full (kg)		580kg
Nominal conditions: environment dry bulb 20°C, wet bulb 15°C; Water inlet temp. 15°C, outlet temp. 55°C		

Dimension



Installation

■ Installation location

Do not install this water heater in a place where freezing may occur.

The water heater should be installed as close as possible to the hot water point with the highest frequency of use.

There should be enough clearance around the water heater so that the entire unit can be removed for repair or replacement if necessary. The electrical junction box and T&P relief valve should be oriented for easy maintenance, and the nameplate should be easy to read.

The water heater should be installed on the floor to ensure that it is placed vertically and avoid tilting. The building must be able to withstand the total weight of the water heater after being filled with water without severe vibration.

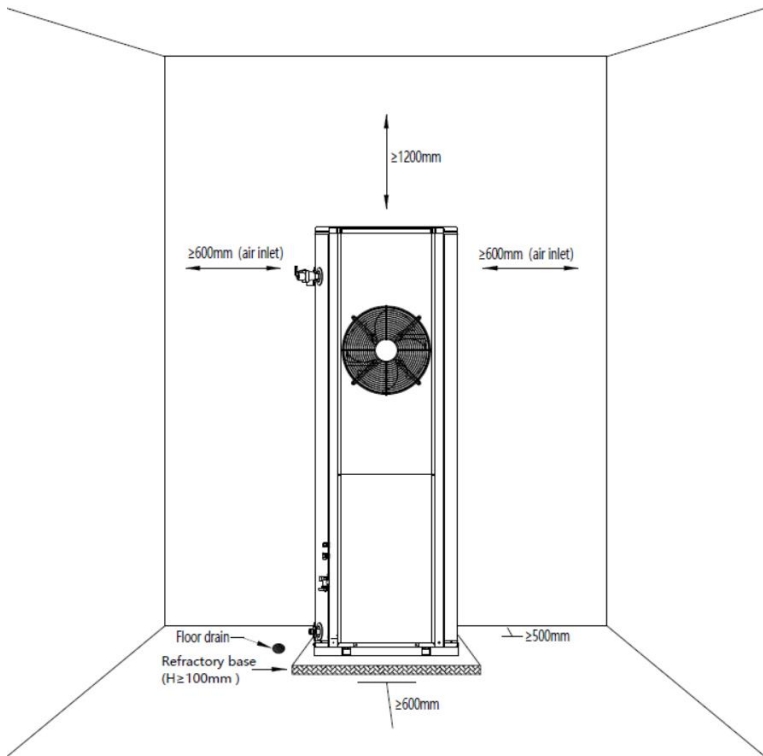
- ◆ The water heater should be placed on a refractory base with a height of not less than 50mm, and there should be a high temperature resistant floor drain with unobstructed drainage near the base to prevent damage to other facilities in case the water heater or pipeline leaks.

The installation location should be well ventilated, no obstacles that hinder the wind in and out, and should not be exposed to rain and direct sunlight.

The water heater should be installed at location where its running noise and exhaust will not affect the neighbors.

Make sure there is no leakage of flammable and corrosive gas at the installation location; no oily smoke and dust; no or only small fluctuations of power supply voltage.

■ Installation Clearance



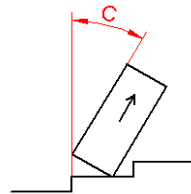
■ **Installation Precautions**

Wiring work must be done by a qualified electrician and must meet electrical safety requirements. When the user needs to install and move, please contact the company's after-sales service center for professional help. DO NOT install and shift it by yourself. Otherwise, the company will not be responsible for any damage and failure caused and warranty of water heater will be void.

Warning: If the water heater is installed on the roof of building that is vulnerable to lightning strikes, the water heater must be protected by lightning protection facilities!

Note: After the machine is in place, be sure to let the water heater stand for more than 30 minutes before turning on the power!

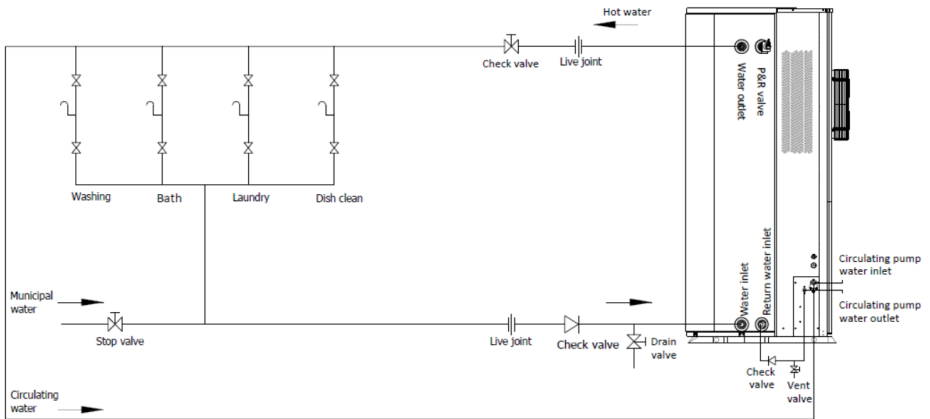
Note: Please transport the water heater according to the state when it leaves the factory. Do not move the water heater at an angle of more than 30°, let alone place the machine vertically, and do not disassemble or assemble it yourself!



($C \leq 30^\circ$)

Pipe Connection

■ Pipe connection diagram



■ Connection Instruction

● Material Requirements

Because the water heater and its piping system will bear pressure from tap water, all water-side pipes must be made of temperature-resistant, pressure-resistant, and corrosion-resistant metal or new-type plastic material. Pressure resistance performance of the pipes must not be lower than the relief pressure of the T&P valve, while the temperature resistance must not be lower than 99°C.

● Cold/Hot water pipe connection

- 1) Connection size: Rp 3/4"

Note: The water heater has a hot water pipe for the outlet connector and a joint bushing on the inlet connector. These devices are installed when the water heater leaves the factory and must not be removed or damaged during installation. When the threaded joint is screwed in, these devices will naturally be installed to the correct depth.

2) Pipeline Size

To ensure the best performance, the pipe size should be selected according to the specific installation needs. The following are the recommended pipe sizes.

Hot water pipe: Main pipe – Rp 3/4" (20mm)

Cold water pipe: The size of the cold-water pipe should be the same or larger than the size of the hot water pipe used.

3) Cold water connection

The cold-water inlet is at lower part of the water heater and should be directly connected with tap water. As shown in the figure, first connect a shut-off valve, then connect a non-return valve on the side close to the heater, and finally connect a union.

If supply water pressure exceeds the rated max. pressure (680 kPa) as stipulated in the label, a pressure limiting valve shall be connected after the non-return valve. If supply water quality does not meet the specific water quality requirements, an expansion control valve shall be used.

4) Hot water connection

The hot water supplied by the water heater has a relatively high temperature and cannot be used directly for washing. It must be mixed with cold water. Therefore, the cold and hot water mixing valve should be installed at the hot water use point.

If the hot water outlet of the water heater is too far away from the hot water use point (more than 12 meters), it is recommended that the hot water pipe be insulated with heat insulating materials to reduce the waste of hot water and electricity.

5) Water supplied by tank

If cold water is supplied by tank on the top floor, be noted that cold water connection should meet the following requirements:

The tank shall be at least 1m higher than the highest hot water outlet. If the distance between the bottom of the domestic tank and the highest hot water outlet is less than 5 meters, precaution should be taken into consideration to avoid air locks in the hot water pipe. The shut-off valve in cold water pipeline shall be changed to gate valve, which shall be fully open to ensure the full flow of cold water inlet.

Warning: Regardless of the water supply method, the non-return valve on the cold-water inlet pipe must be installed correctly, otherwise the water heater or its parts might be damaged.

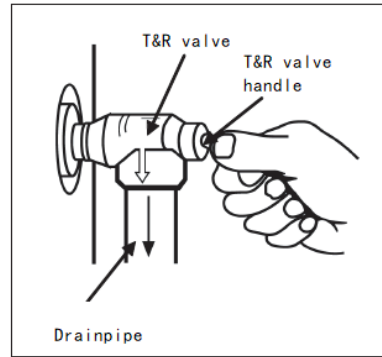
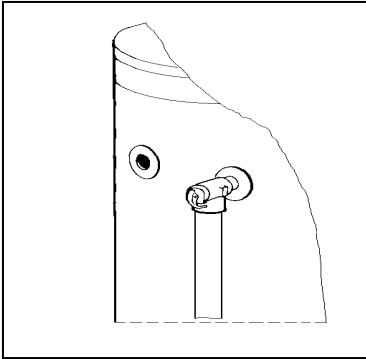
- **Condensation drainpipe connection**

The water heater is equipped with a condensation drain hose, one end of which is connected to the condensation drain and another end to the floor drain. To keep the water pipe drainage unobstructed, there should be no bends or distortion.

- **Installation of T&P Relief Valve**

The temperature and pressure relief (TPR) valve is act as a safety device, which can keep system pressure at a safe level by discharging hot water to reduce pressure and lower down system temperature when detecting system pressure exceeds rated value (850 kPa). If water temperature is heated up to 93°C, the temperature sensing device will trigger the TPR valve for hot water discharging and cold water will be entering to cool down the system and reduce pressure. The discharge pipe connected to the relief valve should be installed in a frost-free environment in a continuous downward manner, making sure water can flow out freely; and the discharge pipe should be kept open to the atmosphere. Specification of the TPR valve is 3/4" × 125PSI (850 kPa).

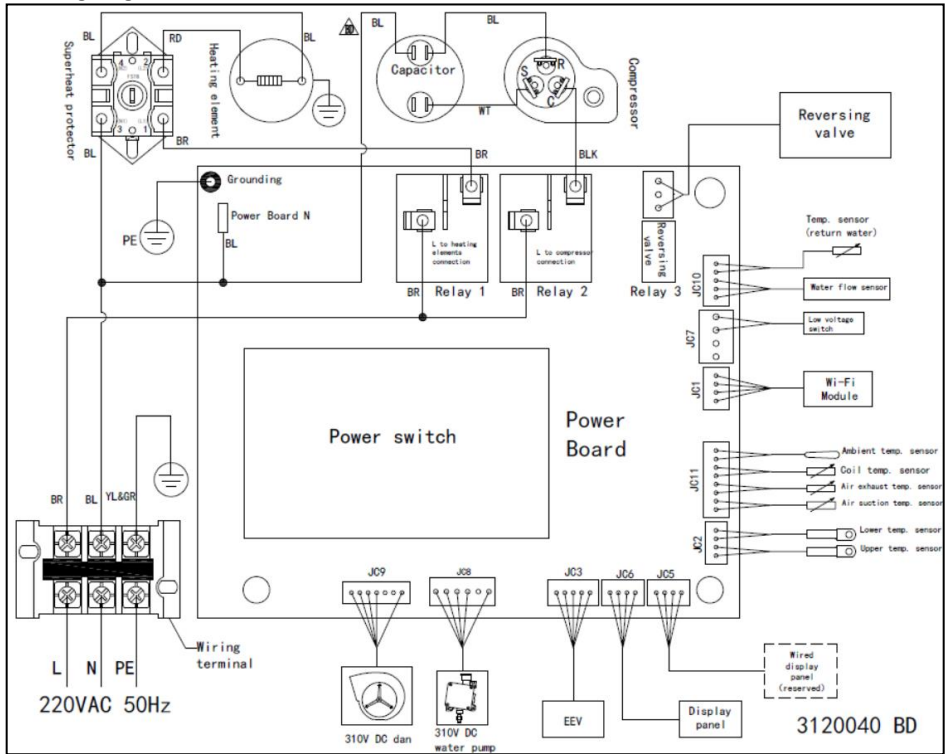
- ◆ Take out the T&P relief valve, make sure that the probe is not bent. Inspect the operation lever and the flexibility of the handle.
- ◆ Wrap the thread with PTFE, do not let the PTFE to go beyond the end of the thread; screw the T&P valve into the installation hole, and make sure the valve drain outlet is facing down.
- ◆ Connect a DN20 drainpipe from the drain outlet of the TPR valve to floor trap. It is strictly forbidden to install a valve on the drainpipe, and the total length of the pipe shall not exceed 9 meters while the right-angle bend shall not exceed 3.
- ◆ If the drainpipe is too long, to facilitate disassembly, a live connection can be connected near the outlet of the TPR valve.



Warning: Drainpipe of the T&P relief valve shall be installed in forest-free environment and kept inclined downwards. The outlet of the drainpipe should not be blocked at any time, and it should be kept in contact with the atmosphere, and make sure the discharged hot water will not endanger people safety or cause property damage.

Wiring connection

- ◇ The power supply for the water heater is single-phase AC with rated voltage 220V ~50Hz. The wiring diagram is as below:



■ Precautions

- A specific power supply must be provided for the water heater, whose maximum voltage fluctuation shall be within 90%-110% of the rated voltage.
- Wiring works must be performed by those skilled in this art and must comply with electric safety requirements.
- Grounding measures must be reliable, otherwise fire accident or electric shock may occur.
- Power and signal cables must be well and properly arranged. No interference between strong and weak power. Cables shall not contact with connection tube and valve.

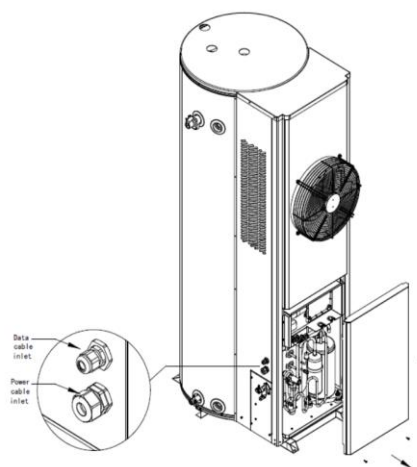
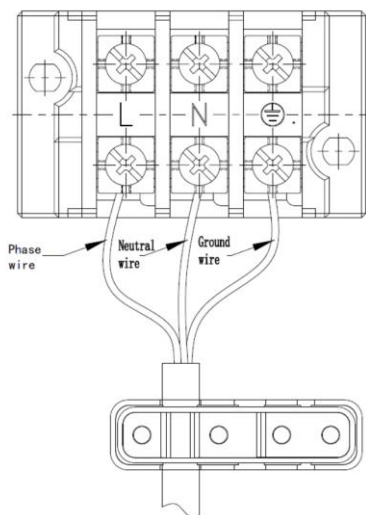
- Power cable outside the unit must be well protected to prevent any hand contact or electric shock even contacted (use tactile double insulated cable or provide insulation protection for normal power cables).

■ Power specifications

Power	Cable diameter (plastic insulation and wire case)			Air switch capacity (A)	Leakage protector
	Phase line	Zero line	Grounding line		
220V~50Hz	≥4	≥4	≥4	30	30mA (below 0.1 sec)

■ Power cable connection

- Select proper power cable as per Power Specification Sheet
- Dismantle the cover as figure on right side
- Connect the wire as figure below



Warning: For your safety concern, the water heater must be equipped with air switches and leakage protectors in accordance with the power specifications. The power supply must be grounded properly! DO NOT use the water heater if without proper grounding. If the power cord is damaged, for your safety, it must be replaced by professionals from the manufacturer, its maintenance department, or similar departments!

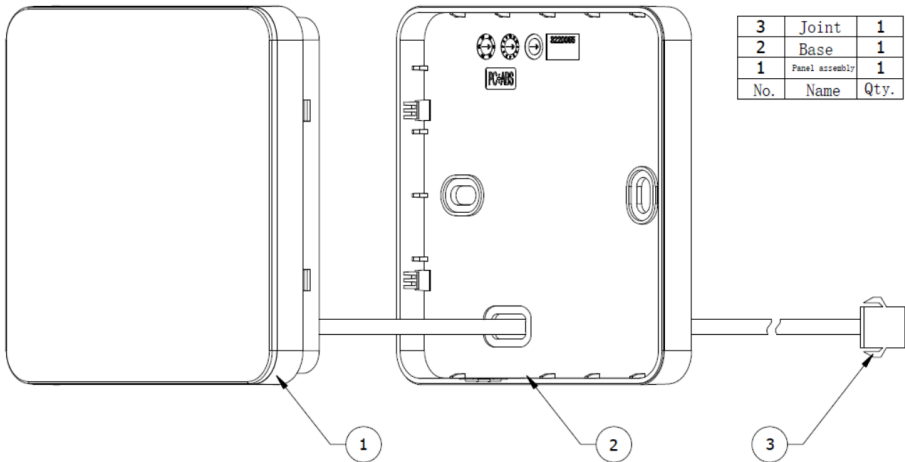
Wire controller installation

■ Precautions

- Wire controller shall not be installed at where flammable gas leakage may occur. Fire accident will be caused if the leaked flammable gas is stagnated around the wire controller.
- Wire controller shall not be installed near where oil, steam or sulfide gas is stagnated, otherwise product deformation may occur.
- Wire controller shall be installed in dry places with good ventilation condition and indirect sunlight.
- Cares must be taken for dust proof. Do not touch electronic components in the installation process, otherwise damage may occur.
- Wire controller is low-voltage circuit. Direct connection to 220V or 380V voltage is strictly prohibited. Communication cable for controller shall not be arranged in same conduit with strong wire. Distance between the conduit must be 300-500mm or above.
- Diameter of communication cable conduit shall exceed 20mm.
- No transition or extension connection shall be carried out in the middle of the connecting line of the wire controller.
- Megohmmeter shall not be used for insulation inspection after wire controller is connected.
- Dimension of wire controller: Length × Width × Height - 89×89×21mm

■ Installation

- Fix the base to installation position.
- Buckle the cover assembly.
- Insert the cable plug to interface.



Operation and Usage

Filling the Water Heater

- 1) Cut off power supply of the water heater
 - 2) Turn on the nearest hot water tap to empty air in the system
 - 3) Turn on cold water valve completely to fill the tank and pipes.
 - 4) When there is water flowing out from the hot water faucet, it indicates the tank is full, turn off the hot water faucet and check if there is any water leakage
- Air empty is a vital process. The process above must be strictly complied with to avoid failure or error code.
 - In case of water supply is cut off or waterway is modified, process above must be followed to empty air.

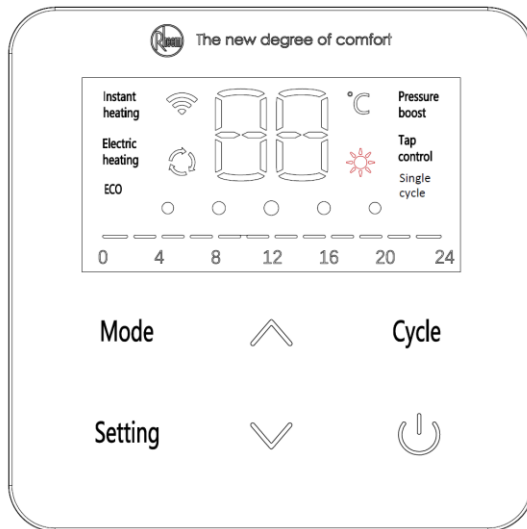
Warning: Do not power up the water heater without confirming that it has been filled with water and that the T&P relief valve is in place. Damage caused by dry burn is not covered by the warranty. Scald may be caused if water temperature exceed 50°C. Make sure water temperature is proper.

Water drainage

It is necessary to empty the water heater in case of maintenance or suspending using water heater in winter season:

- 1) Cut off the power supply.
- 2) Turn off the cold-water supply valve.
- 3) Connect one end of hose to the drainage outlet and lead the other end to floor drain.
- 4) Turn on the nearest hot-water tap and drainage valve.
- 5) Keep the drainage valve open if the water heater will not be used for a long term.

★Controller instruction



1. Button Description

- 1) "ON/OFF" button: power "ON" and "OFF" the water heater.
- 2) "UP" and "DOWN" button: adjust the set temperature point.
- 3) "Mode" button: switch sequentially between "ECO", "Electric heating" and "Instant heating"

- 4) "Setting" button: set time and timing function.
- 5) "Cycle" button: control the open and close of waterway circulation.

2. Function description

1) ON/OFF

Switch on and off the water heater by pressing "ON/OFF" button

When the water heater is powered on, the controller switches on and starts self-check, following by a "beep" sound and the display screen illuminating for 2 secs.

2) Water temperature setting

In switch-on status, press "UP" or "DOWN" arrow button to adjust water temperature within the range of 35-75°C. The default set point is 65°C.

3) Mode Selection

① ECO mode (default mode)

Press "Mode" button and select "ECO" mode. the ECO icon will light up. Only heat pump will operate.

Under this mode, only heat pump to be started for heating purpose when operation conditions are satisfied; if operation conditions are not satisfied, the electric heating will operate until water temperature reaches setting point and enter heat preservation status.

Under ECO mode, if timing function is activated, the water heater will not heat beyond the timing period.

When it is detected heat pump or heating element is working, the "heat indicator" will light up, otherwise it will extinguish.

② Electric heating mode

Press "Mode" button to enter electric heating mode. In this mode, only heating element will be operate for heating.

When water temperature reaches setting point, the water heater enters heat preservation status. Under this mode, if timing function is activated, the water heater will not heat beyond the timing period.

When it is detected heating element is working, the "heat indicator" will light up, otherwise

it will extinguish.

③ Quick heating mode

Press “Mode” button to enter quick heating mode. In this mode, heat pump and heating element will operate simultaneously.

In case heat pump operation condition is not satisfied, only electric heating will operate.

When water temperature reaches setting point, the water heater enters heat preservation status. Under this mode, if timing function is activated, the water heater will not heat beyond the timing period.

Particularly, under ECO and Quick heating mode, if there is failure of heat pump, the system will automatically switch to electric heating. But the mode displayed will not change.

When it is detected heat pump or heating element is working, the “heat indicator” will light up, otherwise it will extinguish.

4) Wi-Fi

① Wi-Fi network set-up

Power on the unit, press “ON/OFF” for 5 seconds to enter Wi-Fi network set-up status (Wi-Fi icon will flash with 1Hz). If Wi-Fi is successfully set up, the indicator will light up. The Wi-Fi network only needs to be set up at the first time. The detailed connection process is illustrated in “Hi Rheem APP Quick Guide”

② Wi-Fi clocking function

Set the clocking period on APP and the water heater will heat and preservation in the corresponding period. Beyond the set period, water heater will not operate.

5) Single circulation

Press “Zero-cold water” to activate or shut down the single circulation. Water pump will start to operate within the valid duration of 60 mins (default) as the operation condition is satisfied. After 60 mins, the single circulation will exit.

6) Timing cruise

Before activating timing cruise, system time needs to be calibrated. How to calibrate: press the "Set" button to enter the parameter setting, the digital tube "88" flashes to display the hour (the rest of the displays are all off), press "Up" or "Down" to adjust the hour, and the

hour can be adjusted in cycles from 0 to 23 to 0. After the hour is set, short press the "set" button to confirm the hour and enter the minute setting (adjustable from 0 to 59 to 0, and all other displays are off).

Long press "Zero-cold water" to activate timing cruise function. The timing period and corresponding number will light up.

In the timing period, the water pump will start if temperature meets the operation condition of water pump. Beyond the period, the water pump will not operate.

In particular, the longest time for water pump operation is 10mins, the mandatory break time is 1min.

7) Anti-stuck for circulation pump

To prevent stuck of circulation pump, one-time circulation will start after 24h without any operation. The circulation will stop after 5s.

8) Anti-Freeze Function ("On" by default)

Under the premise that the water heater is powered on, regardless it is in switch-on or off status, the anti-freeze function will activate heating element and heating icon will be lightened up when lower tank sensor detecting that the temperature is below 5°C (the heating icon will be lightened up even if the water heater is in switch off status). Heating is to be suspended until the water temperature of lower tank reaches 10°C and will be restarted repeatedly when temperature descends below 5°C. Priority will be given to normal heating operation in case of anti-freeze function and heating function co-exists.

Note: DO NOT disconnect power supply of the water heater when it is to be operated in environment where ambient temperature will be below 2°C. If the power must be disconnected, please discharge all the water in the tank in advance and make sure it is empty. Otherwise, Rheem will not be responsible for any water heater failure and property loss caused.

9) Memory for Power-Failure

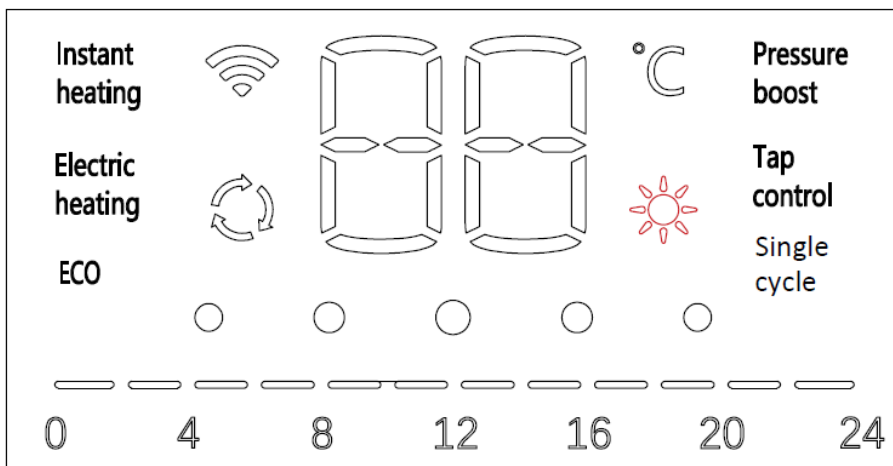
In the case of power-failure (power-outage or disconnection), the unit has a smart auto-memory recall function. After power is back on, all the settings, including temperature, mode and status will be restored to prior settings before power-failure.

10) Sterilization

To activate the one-time high-temperature sterilization function, ensure the water heater is powered on. Press both "UP" and "Mode" button simultaneously for 5 seconds to enable the sterilization function. The heating icon will be lightened constantly after flashing for 5 seconds indicating sterilization function is turned on. Once the water temperature is reaches $\geq 80^{\circ}\text{C}$, the water heater will exit sterilization mode and automatically return to the set mode. To manually exit the sterilization process at any time, simultaneously press both "UP" and "Mode" button for 5 seconds. The sterilization function will be disabled, and the display will return to normal status.

11) Hot Water Volume Display

The small circle bar is the indication for hot water volume display. The more circles lighted, the more hot-water volume left.



Hot Water Usage

- ◆ Under normal circumstances, the cold-water inlet shut-off valve should always be open, and cold water will be automatically replenished when hot water is discharged.
- ◆ During the heating process of the water heater, it is normal for the T&P relief valve to discharge a small amount of hot water
- ◆ In the event of a power failure, the stored hot water can still be used.
- ◆ When the water supply is cut off, it is recommended to close the cold water shut-off valve of the water heater to prevent water flowing back and emptying the tank due to failure of the non-return valve, which can be reopened when the water supply is restored.

Warning: To prevent scald and burns, never let children use the hot water faucet or take a bath by themselves; never leave children or disabled people alone in the bathtub or under the shower head without care.

Turn off the water heater

If the water heater needs to be turned off for maintenance or long-time shutoff, please follow the instructions below:

- ◆ Cut off power supply of the water heater.
- ◆ Turn off cold water and hot water shut-off valve.

Note: If you do not need to use the water heater in winter in cold areas, please empty the water in the tank in case freezing damage.

Water quality

The water heater is applicable for water quality for most urban areas. Please refer to detailed water quality requirement in Nation Standard CJ/T 206-2005 “Water quality standards for urban areas”. Poor water quality will have a detrimental effect on the water heater and its operation and /or life expectancy. If you are unsure of your water quality, information can be obtained from your local water supply authority.

This water heater can be used in areas where the total dissolved solid content (TDS) in water is less than 1000mg/L, but when TDS is more than 600 mg/L, it will accelerate the consumption of power anode rod and shorten service life of the water heater.

Saturation index of water that is prone to scaling:

The calcium carbonate in the water can deposit on the surfaces of hot metal, which can cause scaling. When the saturation index of water is greater than 0.4, the scaling will be obvious. The higher the water temperature and water consumption, the more serious the scaling will be. In this case, it is required to install an expansion control valve after the non-return valve on the cold-water pipeline of the water heater.

When the saturation index of water is less than -1.0, its corrosiveness will be very strong and it can dissolve copper pipes, but it will not have any effect on the water heater itself.

For water quality supplied fails to comply with the Standard aforesaid, water softening device is suggested to be installed to reduce the water hardness. However, the water softening device is not able to remove all hardness. Therefore, scaling off periodically is recommended.

Maintenance

Note: This water heater should be repaired and maintained only by qualified service personnel. Incorrect maintenance methods may cause serious injury to human body or property losses.

Warning: Before disassembling the unit or taking any repairing/maintenance action, be sure to disconnect the power supply of the water heater.

Safety inspection

Check the performance of the safety valve every two weeks. Inspection method: Lift up the handle of the safety valve and observe whether there is water flowing out of the drainpipe. If no water is flowing out, please contact service provider for repairing.

Note: When checking the TPR valve, please be careful that water flowing out from the valve may cause scalding.

Jacket clean

To maintain the good appearance of the water heater, the surface of the jacket can be cleaned regularly as follow procedures:

- ◆ Cut off power supply of the water heater.
- ◆ Use a damp cloth to take a small amount of soap or detergent and lightly wipe the jacket. Do not use gasoline or other corrosive chemicals.
- ◆ Restart the water heater.

Water tank maintenance

It is recommended to clean the water tank once a year in places with good water quality, and once every six months in places with poor water quality.

Steps are as follows:

- 1) Cut off power supply of the water heater and drain all the water in the tank
- 2) Connect outlet pipe joint of the water heater to tap water and let water flows into the tank; open the drain valve and connect drainpipe to the floor drain, and water is discharged from this end
- 3) Turn on the tap to maximum flow and flush the water tank until the water discharged from the water tank is clean.
- 4) Close the drain valve, reconnect the water pipe, and check if there is any leakage.

Suggestion: In the case of sufficient hot water, users are recommended to lower the set temperature, which can reduce heat loss and scale accumulation, to save energy and prolong the service life of the water heater.

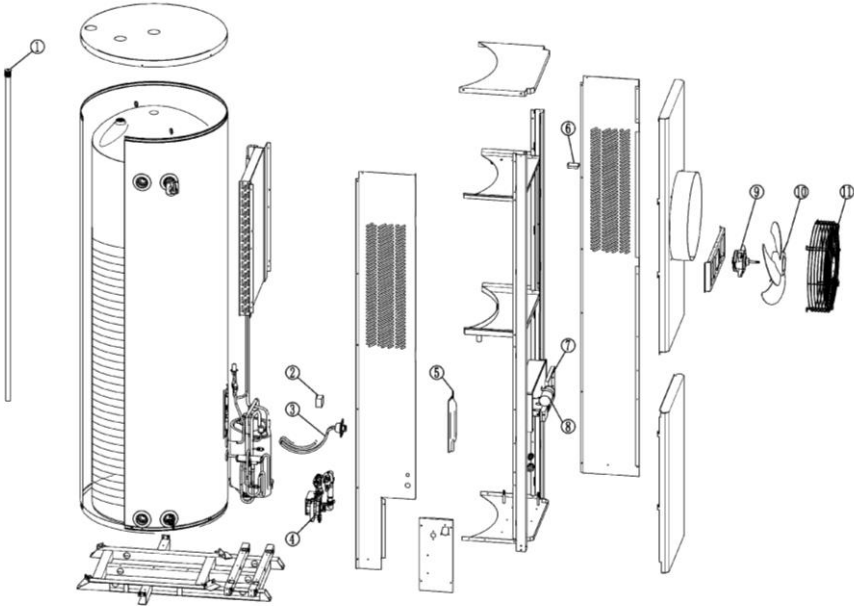
Common Faults and Solutions

	Faults	Possible reason	Solution
Control panel	No display and buttons failure	No power supply	Check power supply Please call Rheem or authorized distributor
		Loose connection between the control board and the display board	Please inspect and confirm the control board and cable are not damaged and well connected Please call Rheem or authorized distributor
	No display, button works	The PCB is dusty or damp	Please inspect and confirm the control board and cable are not damaged and well connected Please call Rheem or authorized distributor
	"E0"	Communication between control board and display board is interrupted	Please inspect and confirm the control board and cable are not damaged and well connected Please call Rheem or authorized distributor
	"E1"	No refrigerant or the evaporator coil temperature sensor is off	Inspect leakage and refrigerant filling quantity. Confirm sensor are well connected and not damaged.
			Please call Rheem or authorized distributor
	"E2"	The compressor exhaust temperature is too high	Inspect leakage and refrigerant filling quantity. Inspect water temperature and water in tank.
			Please call Rheem or authorized distributor
	"E3"	Compressor exhaust temperature sensor short circuit or open circuit	Inspect sensors are well connected and not damaged.
			Please call Rheem or authorized distributor
	"E4"	Evaporator coil temperature sensor short circuit or open circuit	Confirm sensors are well connected and not damaged.
			Please call Rheem or authorized distributor
	"E5"	Ambient temperature sensor short circuit or open circuit	Confirm sensors are well connected and not damaged.
			Please call Rheem or authorized distributor
	"E6"	Compressor suction temperature sensor short circuit or open circuit	Confirm sensors are well connected and not damaged.
			Please call Rheem or authorized distributor
	"E8"	Low pressure switch is disconnected	Inspect leakage and refrigerant filling quantity. Confirm sensor are well connected and not damaged.
			Please call Rheem or authorized distributor
"E9"	Water return temperature sensor abnormal	Confirm sensors are well connected and not damaged.	
		Please call Rheem or authorized distributor	

	"EA"	Lower temperature sensor short circuit or pen circuit	Confirm sensors are well connected and not damaged.
			Please call Rheem or authorized distributor
	"EB"	Upper temperature sensor short circuit or open circuit	Confirm sensors are well connected and not damaged.
			Please call Rheem or authorized distributor
	"EC"	Over temperature protector disconnected	Confirm water temperature and water volume is proper. Inspect the controller board is not damaged.
			Please call Rheem or authorized distributor
	"EF"	Abnormal blower RPM	Confirm the fan motor is not damaged.
			Please call Rheem or authorized distributor
	"F0"	Abnormal Water pump RPM	Re-power the unit. Inspect whether water is in filled in pipe and air in tube are fully evacuated.
			Please call Rheem or authorized distributor
	"F1"	Water pump abnormal	Re-power the unit. Inspect whether water is in filled in pipe and air in tube are fully evacuated.
			Please call Rheem or authorized distributor
	"F2"	Water pump locked rotor	Re-power the unit. Inspect whether water is in filled in pipe and air in tube are fully evacuated.
			Please call Rheem or authorized distributor
Hot Water Usage	No hot water or insufficient hot water	No power supply	Check power supply Please call Rheem or authorized distributor
		The continuous water use time is too long, and the water consumption is too large	Stop using hot water and wait for heating
		The inlet water temperature is low, and it takes a long time to heat to the set point	Stop using hot water and wait for heating
		There is water leakage from the water heater or hot water outlet pipe	Find out where is the leakage point
	No water from the hot water outlet	No water supply	Check water supply source, open water inlet valve
		Low water pressure	Check water supply source, wait for water pressure rises
		Water inlet valve is closed	Check water supply source, turn on water inlet valve

	Water from T&P relief valve	It is normal to discharge a small amount of hot water for each heating	Normal
		If there is continuous dripping, there may be impurities stuck in the safety valve	Lift the valve lever, drain the water for a few seconds, and repeat several times Normal
		If the water continues to flow at night, the pressure of the water supply may be too high	Install pressure reducing valve
	Noise from water heater or pipeline	Slight noise during heating is normal	Normal
		If there is a loud noise during heating, there may be deposits on the bottom of the tank.	Sewage discharge is needed, see "Maintenance" chapter
		Sometimes the pipeline vibrates and sounds due to water pressure fluctuations	Normal

Replacement parts



No.	Component	No.	Component
1	Anode	7	Main board
2	Temp. Limiter	8	Capacitor
3	Heating element	9	Blower
4	Water pump	10	Fan blade
5	Electric cover	11	Cover
6	Wi-Fi Module		

Warning: For your safety, DO NOT attempt to repair the water heater without authorization. Please call the service line when you need service.

Warranty Policy

The standard warranty applicable for this Rheem product and the term of the warranty may differ based on the country of purchase. Depending on your country of purchase, the warranty may be provided by a member of the Rheem Manufacturing Company group of companies (hereinafter referred to as “Rheem”) or by Rheem’s authorized partners. Where the warranty is provided by Rheem’s authorized partners, these partners shall be exclusively responsible for all warranty related services, including the term of the warranty. Please contact your local Rheem retailer to enquire about the steps necessary to qualify for the applicable warranty and ensure that you complete those steps. Please ensure you retain a copy of your proof of purchase. For more information on the applicable warranty on your Rheem product, please contact your local Rheem retailer.

Hazardous Articles Table

Parts Name	Hazardous substance					
	Pb	Hg	Cd	Cr6+	PBB	PBDE
Jacket	O	O	O	O	O	O
Tank	O	O	O	O	O	O
HP system assembly	O	O	O	O	O	O
Controller	O	O	O	O	O	O
Wire harness	O	O	O	O	O	O
Plastic structural parts	O	O	O	O	O	O
Valves	X	O	O	O	O	O
Fasteners	O	O	O	O	O	O
Insulation material	O	O	O	O	O	O
Label printing materials	O	O	O	O	O	O

This form is compiled in accordance with SJ/T 11364 standard.

O: the content of the hazardous substance in all homogeneous materials of the part is below the limit requirement specified in GB/T 26572.

X: the content of the hazardous substance in at least one of the homogeneous materials of the part exceeds the limit requirement specified in GB/T 26572.

The information provided in this form is based on the data provided by the supplier and the test results of Rheem. Some hazardous exceeding the standard are limited by current industry technology level, which cannot be replaced or reduced temporarily. Rheem will continue to work to reduce the use of these substances and elements by improving our technology.



The "environmental protection time limit" of this product is 15 years, which indicates that when the user uses them normally according to the product instructions, the hazardous articles contained in the product will not leak or change and will not cause serious pollution to the environment or damage to human and property. The arrow cycle symbol indicates that the product can be recycled. After passing the service period or failing to work normally after maintenance, it should be sent to and handled by companies with the certificate to handle waste electronic products rather than discarding at will. The proper way please refer to local or national related regulations.

The above marks are implemented in accordance with the requirements of Chinese management measures for restricting the use of hazardous substances and the electronic industry standard SJ/T 11364.

This product will not cause harm to the human body during normal use, please rest assured to use it.