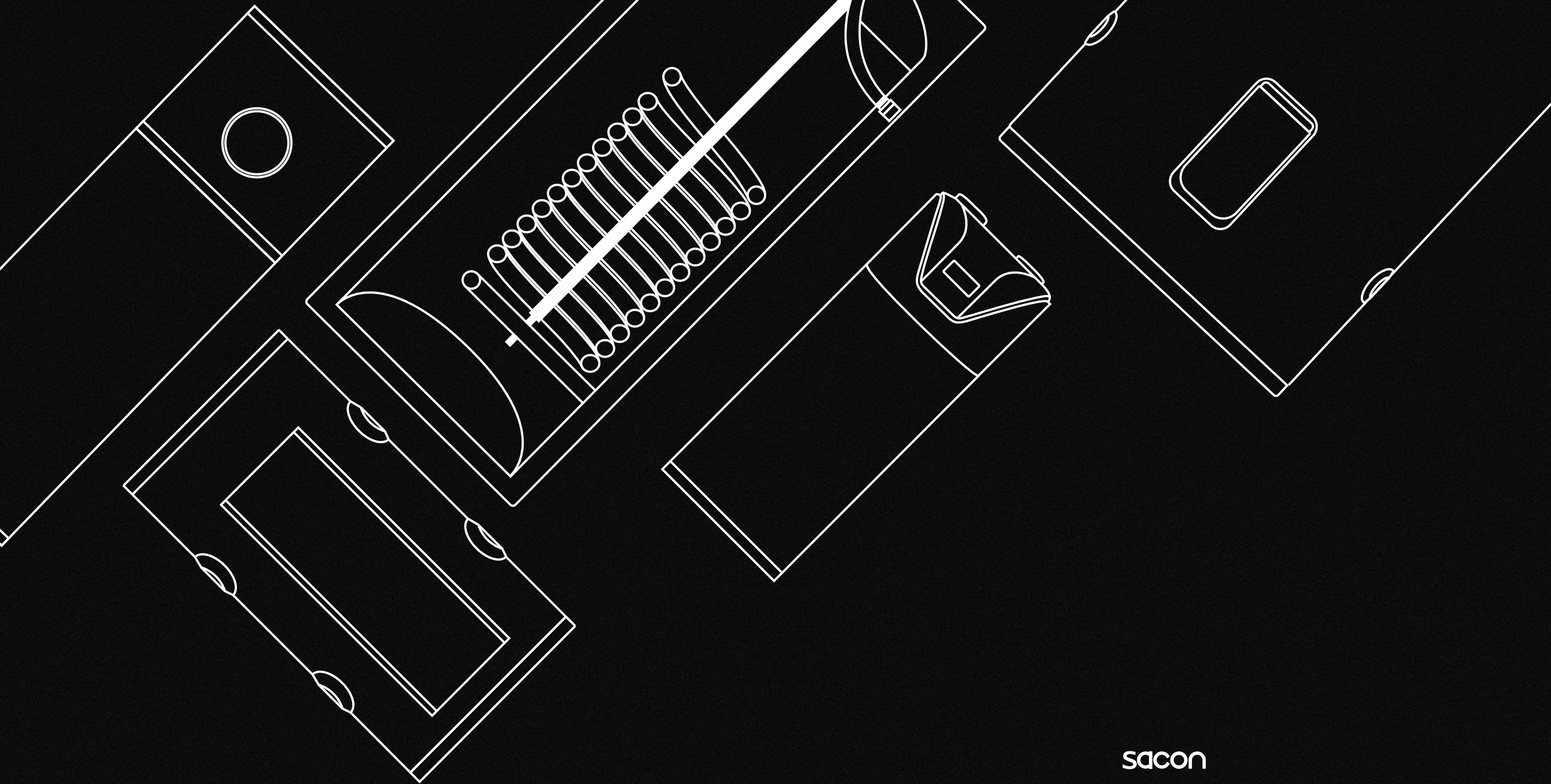




sacon

# PRODUCT CATALOGUE

sacon

NINGBO SHUAIKANG WATER HEATERS CO., LTD

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2020.09

ELECTRIC STORAGE WATER HEATER

COIL WATER TANK

STORAGE WATER TANK

HEAT PUMP WATER HEATER

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# FOR IDEAL SOLUTIONS TO GLOBAL WATER HEATING

Ningbo Shuaikang Water Heaters Co., Ltd is one of the subsidiaries of Solareast Corporation. It is also one of the biggest Chinese manufacturers with its 65,200m<sup>2</sup> area, equipments imported from Italy, USA, Japan, South Korea and Taiwan and its 1,200,000-unit annual production capacity. And it offers a wide range of products such as domestic & commercial electric water heaters, coil water tanks & water tanks. There are 320 employees in our company, including 20 R&D engineers.

## MAIN HONORS:

No1

For Asian electric water heaters & water tanks industry, Sacon is not only the 1st manufacturer of 6.5L-500L, but the Top 1 exporter of 100L-500L. In 2014, it has moved to its new factory with its \$90 million investment and its 1,200,000- unit annual production capacity.

SZIC

Sacon is an important drafter in China Standardization Administration of electric water heaters. It deals with GB20289-2006, GB4706.12-2006, GB20429-2006 and GB 21519-2008.

WaterMark

Coated with American Ferro brand enamel, inner tanks certify to Australian WATERMARK AS 3498 Standard and meet needs of drinking water.

WBL

Sacon brand value reaches 45.658 billion RMB in 2020.



# It's more than COMFORT

## FUNCTION:

- Mechanical control, index display, figure-touch control, LCD display and remote control

## TRIPLE SAFETY:

- IPX4
- 250,000 pressure-pulsation testing
- 23% stronger than stainless steel tank

## SUPER DURABILITY:

- Steel from Shanghai Baosteel
- Sapphire tank with 850°C
- High quality Mg anode

## EXCELLENT FROM INSULATION:

- To guarantee minimum heat losses and energy saving operation
- Environmental friendly

- Colorful steel shell , more corrosion resistant.
- America 'Ferro' enamel .
- Floorstanding
- 'Cash Acme' or 'AVG' Temperature & Pressure relief valve.
- Silkscreen LOGO for option.
- Instruction lamp for option.
- Heating element quantity for option.
- Wide usage in schools, motels, hospital, restaurants, apartments etc.



### 5-STAR SAFETY ASSURANCE

Quadruple protections can avoid dry heating, high temperature, high pressure and different kinds of electricity leakage.



### 'SAPPHIRE' TANK

Coated with American Ferro brand enamel, inner tanks are fired at 850°C for optimum protection from the effects of corrosion and high pressure. Compared with stainless steel tanks, they ensure longer tank life.



### HIGH EFFICIENT AND ENVIROMENTAL

As to foaming, environmental polyurethane or Cyclopentane with average 25mm or 50mm high density is used to make better energy performance.



### MORE THAN 250,000 PRESSURE-PULSATION TESTING

More than 250,000 pressure-pulsation testing can imitate the daily use and guarantee the tank's safety.



### BIG ANODE PROTECTION

Excellent longer Mg anode ensures longer tank life.



### PROTECTION INDEX IPX4

It is a high level of protection from water seepage onto the electrical parts.



### SILK SCREEN LOGO FOR OPTION



### DUAL HEATING ELEMENTS FOR OPTION



### INSTRUCTION LAMP FOR OPTION

# ADVANTAGES OF SACON WATER HEATER



## OVERALL FOAMING

The insulation thickness is 25-55mm and the density is 38kg/m<sup>3</sup>, both higher than the industry average. The performance of heat insulation is better than common foaming.



## HIGH QUALITY STEEL

Using steel from Shanghai Baosteel.



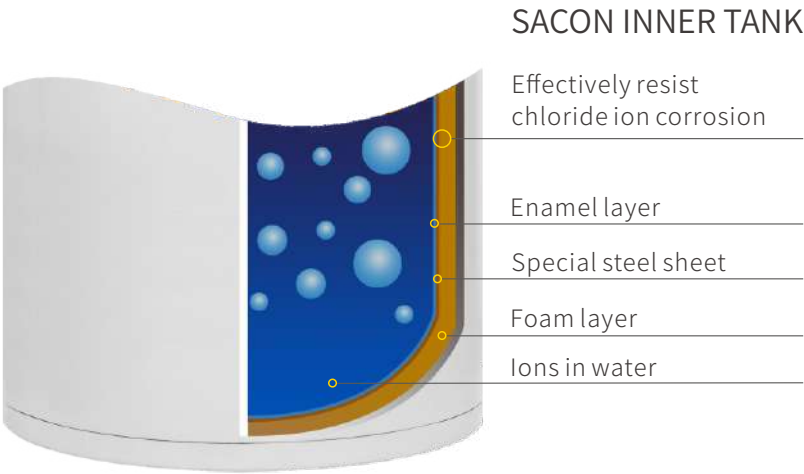
## IMPORT VALVE

Using Australian AVG valves and American Cash Acme valves.



## 'KAWAI' HEATING ELEMENT

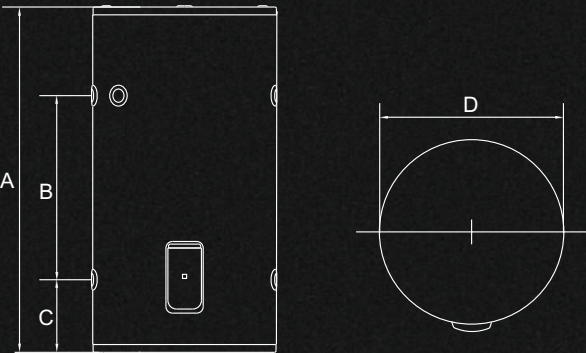
Incoloy 800, Incoloy 840 and enameled heating element.



# ELECTRIC STORAGE WATER HEATER

## GIANT SERIES

- Colorful steel shell protects from corrosion, ultraviolet radiation, moisture & other climatic factors better.
- Floor standing type.
- With ‘Cash Acme’ or ‘AVG’ Pressure & Temperature relief valve.
- Silkscreen for logo for option.
- Lamp for option.
- Apply to schools, hotels, hospitals, restaurants, retail stores, apartments and etc.
- The model reaches Indian 4-Star BEE Rating.

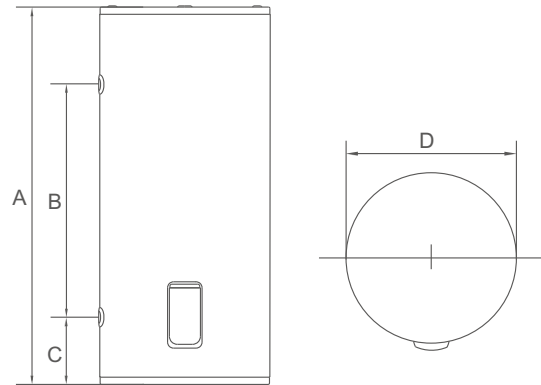


| Unit:mm   |                   |                   |                  |               |                   |                               |      |      |     |     |
|-----------|-------------------|-------------------|------------------|---------------|-------------------|-------------------------------|------|------|-----|-----|
| Model     | Capacity(L)/(Gal) | Power/Voltage     | Working Pressure | N.W./G.W.(kg) | Packing Dimension | Qty. For 20' (pcs)/40'HQ(PCS) | A    | B    | C   | D   |
| DSF-140JK | 140.8L/40Gal      | 2.0kW / 220V~240V | 1.0MPa           | 55/59         | 480*480*1334      | 82/191                        | 1229 | 796  | 221 | 465 |
| DSF-220JK | 217.5L/65Gal      | 2.0kW / 220V~240V | 1.0MPa           | 78/83         | 480*480*1914      | 48/121                        | 1809 | 1376 | 221 | 465 |
| DSF-270JK | 277.1L/75Gal      | 2.0kW / 220V~240V | 1.0MPa           | 80/86         | 655*655*1330      | 39/107                        | 1264 | 726  | 261 | 635 |
| DSF-340JK | 339.4L/98Gal      | 2.0kW / 220V~240V | 1.0MPa           | 94/100        | 655*655*1575      | 37/76                         | 1507 | 971  | 261 | 635 |
| DSF-430JK | 424.5L/119Gal     | 2.0kW / 220V~240V | 1.0MPa           | 111/116       | 655*655*1888      | 27/73                         | 1820 | 1284 | 261 | 635 |
| DSF-200JK | 200L/55Gal        | 2.0kW / 220V~240V | 1.0MPa           | 69/74         | 480*480*1779      | 63/126                        | 1686 | 1376 | 221 | 465 |
| DSF-300JK | 300L/80Gal        | 3.0kW / 220V~240V | 1.0MPa           | 84/89         | 655*655*1491      | 38/78                         | 1430 | 971  | 261 | 635 |
| DSF-400JK | 400L/100Gal       | 4.0kW / 220V~240V | 1.0MPa           | 99/104        | 655*655*1800      | 27/57                         | 1735 | 1284 | 261 | 635 |
| DSF-500JK | 495L/135Gal       | 5.0kW / 220V~240V | 0.85MPa          | 116/121       | 697*697*1914      | 24/51                         | 1822 | 1284 | 261 | 685 |

# ELECTRIC STORAGE WATER HEATER

## COMMERCIAL SERIES

- Colorful steel shell protects from corrosion, ultraviolet radiation, moisture & other climatic factors better.
- Floor standing type.
- With ‘Cash Acme’ or ‘AVG’ Pressure & Temperature relief valve and working pressure 0.85MPa -1.0MPa.
- Super performance of heat preservation is assured by 50mm-thickness PUF insulation.
- Dual heating elements for option.
- Apply to schools, hotels, hospitals, restaurants, retail stores, apartments and etc.
- The model reaches Indian 4-Star BEE Rating.

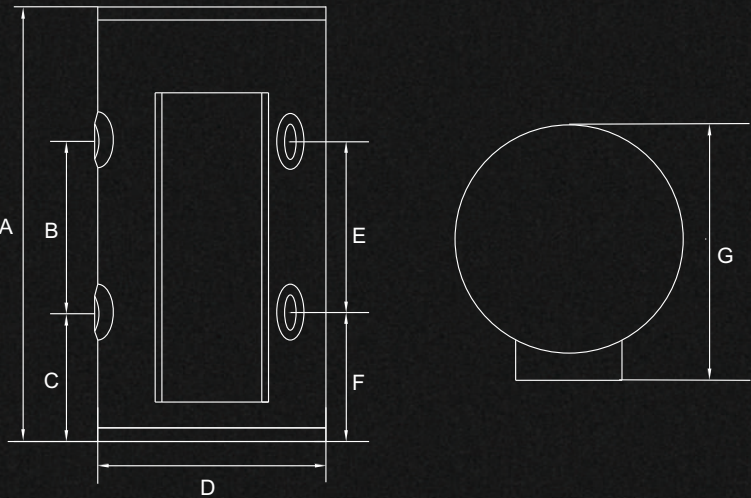


| Unit:mm    |                   |                   |                  |               |                   |                               |      |      |     |     |
|------------|-------------------|-------------------|------------------|---------------|-------------------|-------------------------------|------|------|-----|-----|
| Model      | Capacity(L)/(Gal) | Power/Voltage     | Working Pressure | N.W./G.W.(kg) | Packing Dimension | Qty. For 20' (pcs)/40'HQ(PCS) | A    | B    | C   | D   |
| DSF-90JMA  | 94.2L/25Gal       | 2.0kW / 220V~240V | 1.0MPa           | 42/46         | 527*527*993       | 88/223                        | 901  | 455  | 228 | 515 |
| DSF-140JMA | 140.8L/40Gal      | 2.0kW / 220V~240V | 1.0MPa           | 55/60         | 527*527*1334      | 61/175                        | 1242 | 796  | 228 | 515 |
| DSF-180JMA | 179.1L/48Gal      | 2.0kW / 220V~240V | 1.0MPa           | 65/71         | 527*527*1619      | 55/146                        | 1527 | 1081 | 228 | 515 |
| DSF-220JMA | 217.5L/65Gal      | 2.0kW / 220V~240V | 1.0MPa           | 78/84         | 527*527*1914      | 44/112                        | 1822 | 1376 | 228 | 515 |
| DSF-270JMA | 277.1L/75Gal      | 2.0kW / 220V~240V | 0.85MPa          | 82/87         | 697*697*1554      | 36/76                         | 1264 | 536  | 261 | 685 |
| DSF-340JMA | 339.4L/98Gal      | 2.0kW / 220V~240V | 0.85MPa          | 95/100        | 697*697*1601      | 24/51                         | 1507 | 971  | 261 | 685 |
| DSF-430JMA | 424.5L/119Gal     | 2.0kW / 220V~240V | 0.85MPa          | 102/116       | 697*697*1914      | 24/51                         | 1820 | 1284 | 261 | 685 |

# ELECTRIC STORAGE WATER HEATER

## COMMERCIAL SERIES

- Colorful steel shell protects from corrosion, ultraviolet radiation, moisture & other climatic factors better.
- Floor standing type.
- With 'Cash Acme' or 'AVG' Pressure & Temperature relief valve.
- Multiple heating elements.
- The power range from 8kW to 54kW.
- Apply to schools, hotels, hospitals, restaurants, retail stores, apartments and etc.
- The model reaches Indian 4-Star BEE Rating.

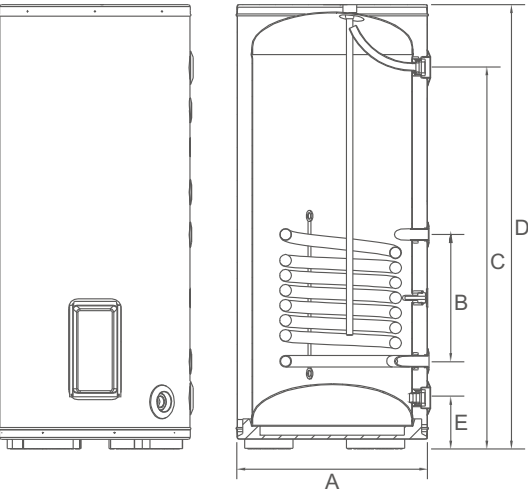
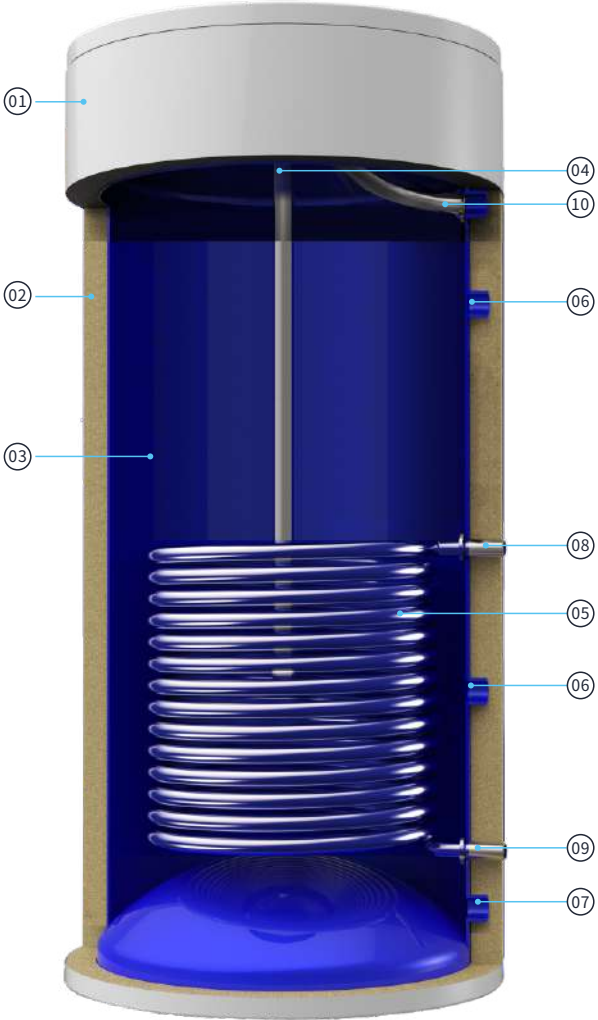


| Unit:mm    |                   |                   |                  |      |      |     |     |      |     |     |
|------------|-------------------|-------------------|------------------|------|------|-----|-----|------|-----|-----|
| Model      | Capacity(L)/(Gal) | Power/Voltage     | Working Pressure | A    | B    | C   | D   | E    | F   | G   |
| DSF-270JME | 270L/75Gal        | 8.0kW / 220V~240V | 0.85MPa          | 1264 | 706  | 271 | 685 | 726  | 261 | 830 |
| DSF-360JME | 360L/98Gal        | 8.0kW / 220V~240V | 0.85MPa          | 1507 | 951  | 271 | 685 | 971  | 261 | 830 |
| DSF-450JME | 450L/119Gal       | 8.0kW / 220V~240V | 0.85MPa          | 1820 | 1264 | 271 | 685 | 1284 | 261 | 830 |

# COIL WATER TANK

## EXTERNAL COIL WATER TANK

- 01. Colorful Steel Shell | Attractive appearance
- 02. Cyclopentane Insulation | Environmental Friendly
- 03. Enamel Coating | American Ferro Brand
- 04. Anode rod | Protection from corrosion
- 05. Double Coil Heat Exchanger | Fast heating
- 06. Temperature Measuring
- 07. Cold Water Inlet
- 08. Refrigerant Liquid Inlet
- 09. Refrigerant Liquid Outlet
- 10. Hot Water Outlet



| Unit:mm           |     |     |      |      |     |
|-------------------|-----|-----|------|------|-----|
| Capacity(L)/(Gal) | A   | B   | C    | D    | E   |
| 150L/40Gal        | 520 | 346 | 1055 | 1186 | 138 |
| 200L/55Gal        | 520 | 370 | 1120 | 1510 | 138 |
| 300L/80Gal        | 625 | 420 | 1125 | 1420 | 210 |
| 400L/100Gal       | 685 | 494 | 1545 | 1530 | 210 |

# COIL WATER TANK

## EXTERNAL COIL WATER TANK

### SPECIFICATION

|                                     | Unit  | SKT-FT-0.7-150 | SKT-FT-0.7-200 | SKT-FT-0.7-300 | SKT-FT-0.7-400 |
|-------------------------------------|-------|----------------|----------------|----------------|----------------|
| Rated Capacity                      | L/Gal | 150/40         | 200/55         | 300/80         | 400/100        |
| Factual Capacity                    | L/Gal | 146/39.7       | 198/53         | 295/79         | 396/106        |
| Heating Power                       | kW    | 2.0            | 2.0            | 2.5            | 2.5            |
| Working Pressure                    | Mpa   | 1              | 1              | 1              | 1              |
| Working Pressure of Coil usage      | Mpa   | 1              | 1              | 1              | 1              |
| Max Water Temperature               | °C    | 75             | 75             | 75             | 75             |
| Max Coil Recycle Liquid Temperature | °C    | 110            | 110            | 110            | 110            |

### HEAT EXCHANGER

|                                     |              |        |        |        |        |
|-------------------------------------|--------------|--------|--------|--------|--------|
| Heat Exchanger Area of Bottom Coil  | m²           | 0.8    | 1      | 1.2    | 1.4    |
| Water Capacity of Bottom Coil       | L            | 5.0    | 6.4    | 8.0    | 9.4    |
| Pressure Loss While Use Bottom Coil | mbar         | <10    | <10    | <10    | <10    |
| Pipe Size                           | screw thread | G 3/4" | G 3/4" | G 3/4" | G 3/4" |

### SIZE

|              |    |              |              |              |              |
|--------------|----|--------------|--------------|--------------|--------------|
| Tank Size    | mm | Φ520*1186    | Φ520*1510    | Φ625*1420    | Φ685*1530    |
| Package Size | mm | 590*590*1260 | 590*590*1620 | 697*697*1540 | 697*697*1650 |

### WEIGHT

|              |    |    |    |    |     |
|--------------|----|----|----|----|-----|
| Net Weight   | kg | 65 | 76 | 92 | 120 |
| Gross Weight | kg | 68 | 85 | 97 | 128 |

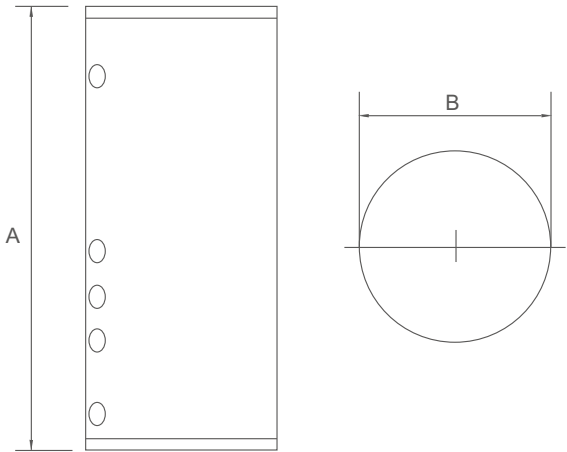
### QTY FOR CONTAINER

|       |     |     |    |    |    |
|-------|-----|-----|----|----|----|
| 20'   | pcs | 42  | 38 | 27 | 24 |
| 40'HQ | pcs | 119 | 81 | 69 | 68 |

# COIL WATER TANK

## EXTERNAL MICRO-CHANNEL

- Enamel coating and Mg rod protect from corrosion and keep durable.
- Heat exchanger is heated equably for optimum protection from scaling.
- Good heat exchange ensures plenty of water.
- The reserved hot water interface is easy to install.



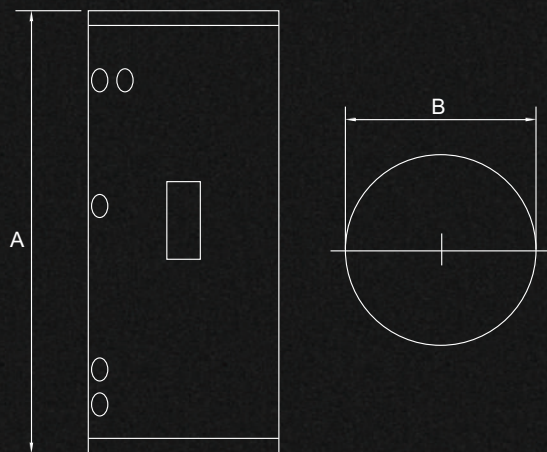
Unit:mm

| Model     | Capacity(L)/(Gal) | Power/Voltage     | Working Pressure | N.W./G.W.(kg) | Packing Dimension | Qty. For 20'(pcs)/40'HQ(pcs) | A    | B   |
|-----------|-------------------|-------------------|------------------|---------------|-------------------|------------------------------|------|-----|
| SK-150MAD | 150L/40Gal        | 1.5kW / 220V~240V | 0.7MPa           | 53/56         | 537*537*1375      | 56/150                       | 1310 | 510 |
| SK-150MA  | 150L/40Gal        | 1.5kW / 220V~240V | 0.7MPa           | 52/59         | 537*537*1375      | 56/150                       | 1310 | 510 |
| SK-200MAD | 200L/55Gal        | 1.5kW / 220V~240V | 0.7MPa           | 64/69         | 537*537*1795      | 52/109                       | 1730 | 510 |
| SK-200MA  | 200L/55Gal        | 1.5kW / 220V~240V | 0.7MPa           | 63/68         | 537*537*1795      | 52/109                       | 1730 | 510 |

# STORAGE WATER TANK

## NO COIL HEAT PUMP WATER TANK

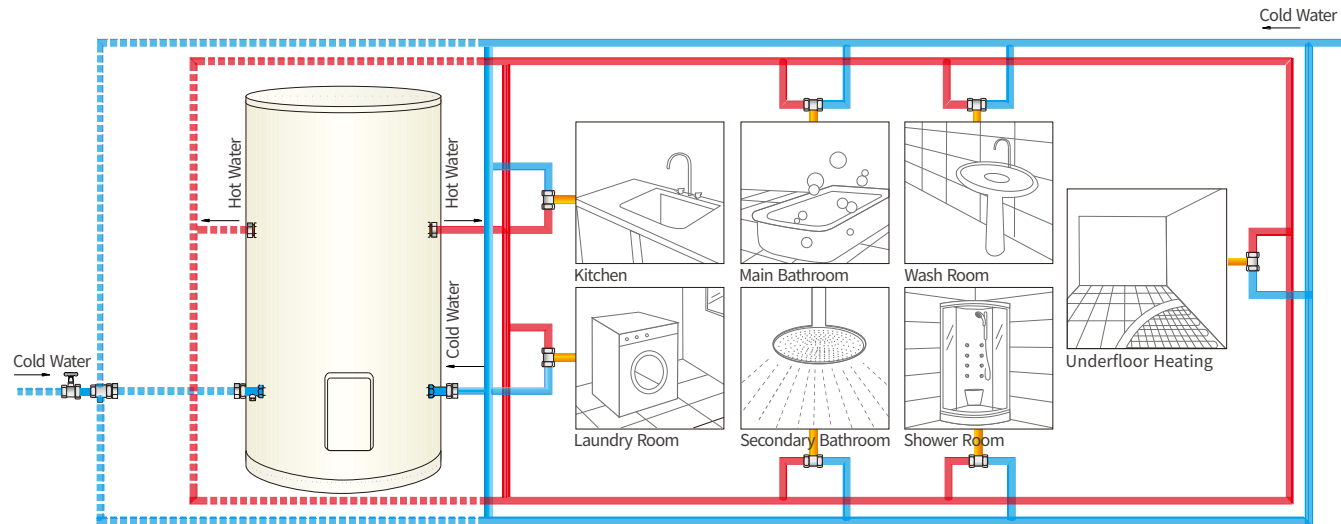
- Enamel coating and Mg rod protect from corrosion and keep durable.
- Heat exchanger is heated equably for optimum protection from scaling.
- Good heat exchange ensures plenty of water.
- The reserved hot water interface is easy to install.



| Model     | Capacity(L)/(Gal) | Power/Voltage     | Working Pressure | N.W./G.W.(kg) | Packing Dimension | Qty. For 20'(pcs)/40'HQ(pcs) | Unit:mm |     |
|-----------|-------------------|-------------------|------------------|---------------|-------------------|------------------------------|---------|-----|
| SK-200WAD | 200L/55Gal        | 2.0kW / 220V~240V | 0.7MPa           | 78/84         | 537*537*1820      | 40/109                       | A       | B   |
| SK-300WAD | 300L/80Gal        | 3.4kW / 220V~240V | 0.7MPa           | 88/95         | 700*700*1450      | 36/72                        | 1360    | 685 |
| SK-400WAD | 400L/100Gal       | 4.3kW / 220V~240V | 0.7MPa           | 99/108        | 700*700*1830      | 24/67                        | 1740    | 685 |
| SK-500WAD | 500L/135Gal       | 4.3kW / 220V~240V | 0.7MPa           | 126/131       | 755*755*1910      | 21/63                        | 1820    | 733 |

# GIANT SERIES/COMMERCIAL SERIES/ COIL WATER TANK/STORAGE WATER TANK

## HIGH-CAPACITY MULTIPLEX WATER SUPPLY



## MOUNTING TYPE DIVERSITY



ADVANCED PRODUCTION EQUIPMENT



Automatic stamping lathe



Automatic high pressure foaming

ADVANCED LABORATORY



- More than USD 2 million investment.
- Ultra-low temperature laboratory, Enthalpy difference laboratory, data monitoring center, long-term operation laboratory.
- Simulate - 30°C~55°C environmental conditions.
- Maximum heat pump can be tested up to 60HP.

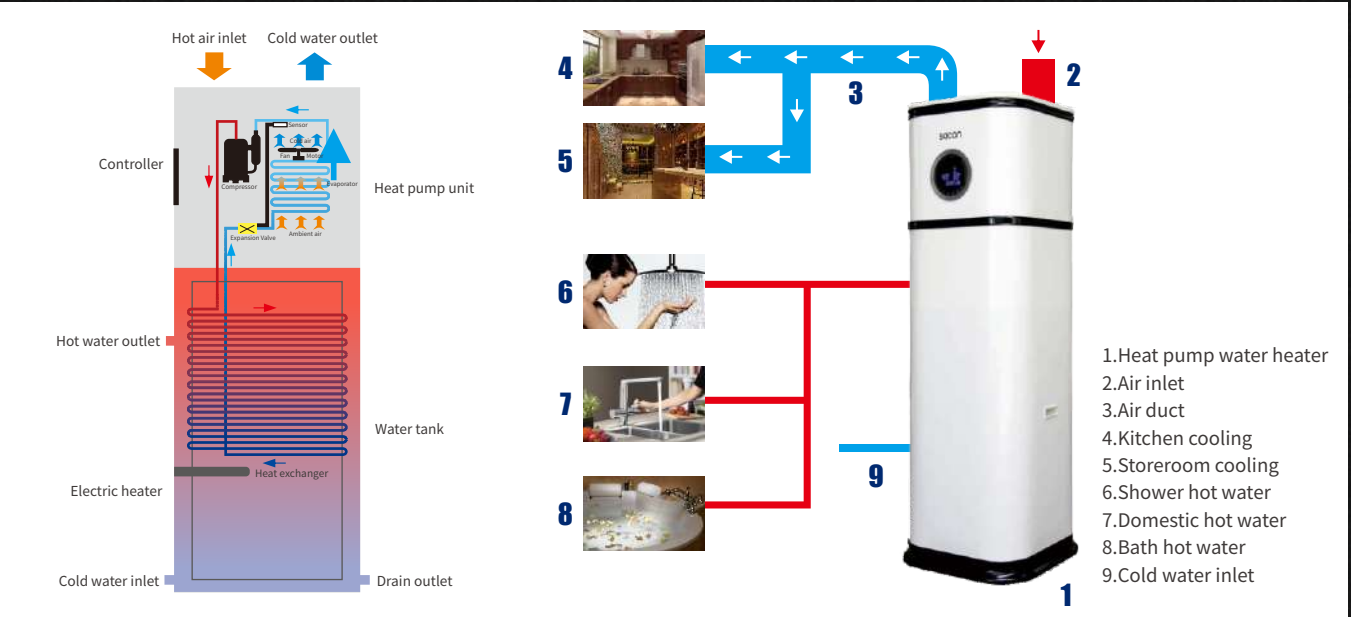
# HEAT PUMP WATER HEATER

## ALL IN ONE HEAT PUMP SERIES A

- R134A refrigerant, environmentally friendly.
- Higher water temperature output up to 75°C.
- External condenser coil, more safe & reliable.
- Adopt enamel inner tank.
- High pressure protection.
- Defrost automatically.
- With sterilization function.
- Full automatically operation.
- With auxiliary electric heater.
- Top air in/out with duct, free of cool air.
- Simple style, modern square appearance.
- Large screen, touch button.



APPLICATION

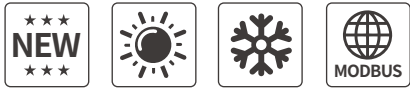


| Type                                                                                                    | series A     | series A     |
|---------------------------------------------------------------------------------------------------------|--------------|--------------|
| Model No.                                                                                               | YT-120TA1    | YT-180TA1    |
| Testing condition: * Heating Capacity at Air temp. 20 °C / 15 °C, Water Temperature from 15 °C to 55 °C |              |              |
| Heating Capacity (kW)                                                                                   | 2.5          | 2.5          |
| Power Input (kW)                                                                                        | 0.6          | 0.6          |
| COP                                                                                                     | 4.16         | 4.16         |
| Max Power Input (kW)                                                                                    | 2.4          | 2.4          |
| Rated Current (A)                                                                                       | 2.7          | 2.7          |
| Max Current (A)                                                                                         | 12.2         | 12.2         |
| Power Supply                                                                                            | 220V/1/50Hz  | 220V/1/50Hz  |
| Backup Electric Heater (W)                                                                              | 1500         | 1500         |
| Refrigerant                                                                                             | R134a        | R134a        |
| Net Dimension(mm)                                                                                       | 500x500x1628 | 500x500x1848 |
| Package Dimension(mm)                                                                                   | 680x680x1805 | 680x680x2025 |
| Net Weight(Kg)                                                                                          | 80           | 93           |
| Gross Weight(Kg)                                                                                        | 98           | 111          |
| Noise (dB)                                                                                              | 48           | 48           |
| Water tank volume(L)/(Gal)                                                                              | 120/35       | 180/48       |
| Working temperature range (°C)                                                                          | -7~43        | -7~43        |
| Loading quantity(20ft container)                                                                        | 24           | 24           |
| Loading quantity(40ft container)                                                                        | 51           | 51           |

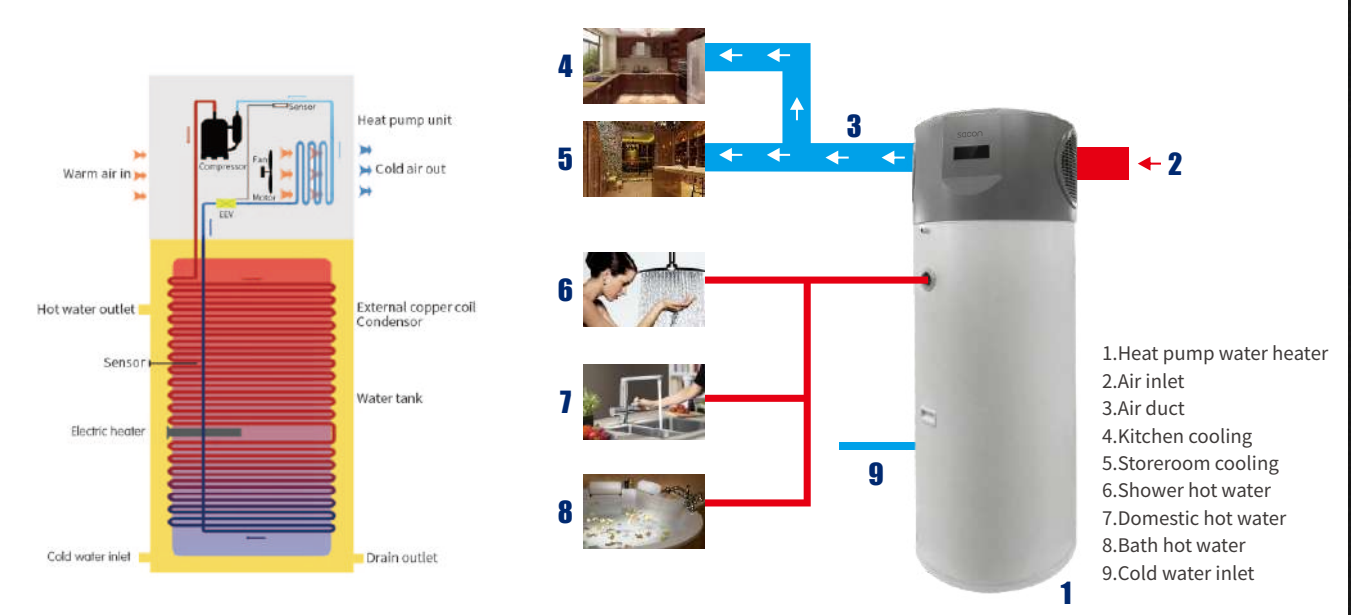
# HEAT PUMP WATER HEATER

## ALL IN ONE HEAT PUMP SERIES B

- R134A refrigerant, environmental friendly.
- Higher water temperature output up to 75°C.
- External condenser coil, more safe & reliable.
- Adopt enamel inner tank.
- High pressure protection.
- Defrost automatically.
- With sterilization function.
- MODBUS communication.
- Full automatically operation.
- With auxiliary electric heater.
- Top air in/out with duct, free of cool air.



APPLICATION

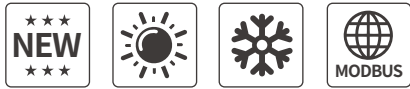


| Type                                                                                                    | series B     | series B     | series B     |
|---------------------------------------------------------------------------------------------------------|--------------|--------------|--------------|
| Model No.                                                                                               | YT-200TB2    | YT-250TB2    | YT-300TB2    |
| Testing condition: * Heating Capacity at Air temp. 20 °C / 15 °C, Water Temperature from 15 °C to 55 °C |              |              |              |
| Heating Capacity (kW)                                                                                   | 2.5          | 2.5          | 2.5          |
| Power Input (kW)                                                                                        | 0.64         | 0.64         | 0.64         |
| COP                                                                                                     | 3.9          | 3.9          | 3.9          |
| Max Power Input (kW)                                                                                    | 3            | 3            | 3            |
| Rated Current (A)                                                                                       | 2.7          | 2.7          | 2.7          |
| Max Current (A)                                                                                         | 15           | 15           | 15           |
| Power Supply                                                                                            | 220V/1/50Hz  | 220V/1/50Hz  | 220V/1/50Hz  |
| Backup Electric Heater (W)                                                                              | 2000         | 2000         | 2000         |
| Refrigerant                                                                                             | R134a        | R134a        | R134a        |
| Net Dimension(mm)                                                                                       | Φ620×1638    | Φ620×1868    | Φ620×2038    |
| Package Dimension(mm)                                                                                   | 700×700×1830 | 700×700×2060 | 700×700×2230 |
| Net Weight(Kg)                                                                                          | 88           | 95           | 102          |
| Gross Weight(Kg)                                                                                        | 106          | 113          | 120          |
| Noise (dB)                                                                                              | 48           | 48           | 48           |
| Water tank volume(L)/(Gal)                                                                              | 200/55       | 250/65       | 300/80       |
| Working temperature range (°C)                                                                          | -7~43        | -7~43        | -7~43        |
| Loading quantity(20ft container)                                                                        | 24           | 24           | 24           |
| Loading quantity(40ft container)                                                                        | 51           | 51           | 51           |

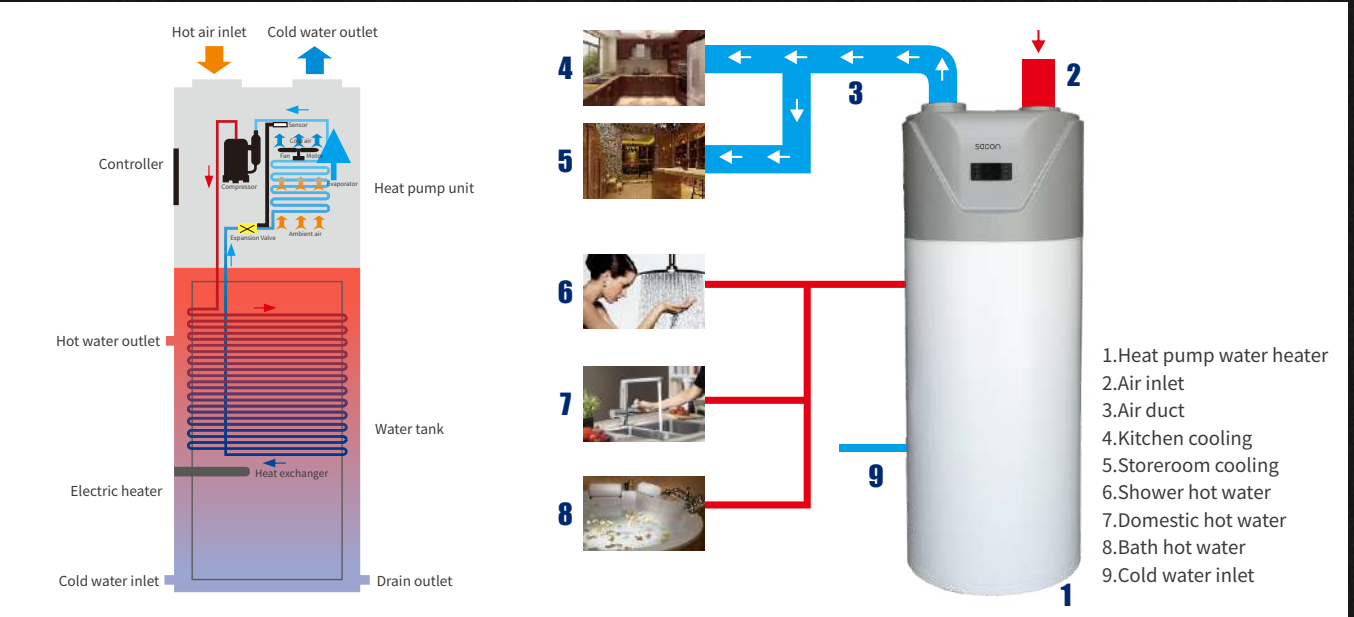
HEAT PUMP  
WATER HEATER

ALL IN ONE HEAT PUMP SERIES C

- R134A refrigerant, environmental friendly.
- Higher water temperature output up to 75°C.
- External condenser coil, more safe & reliable.
- Adopt enamel inner tank.
- High pressure protection.
- Defrost automatically.
- With sterilization function.
- MODBUS communication.
- Full automatically operation.
- With auxiliary electric heater.
- Top air in/out with duct, free of cool air.



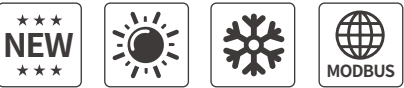
APPLICATION



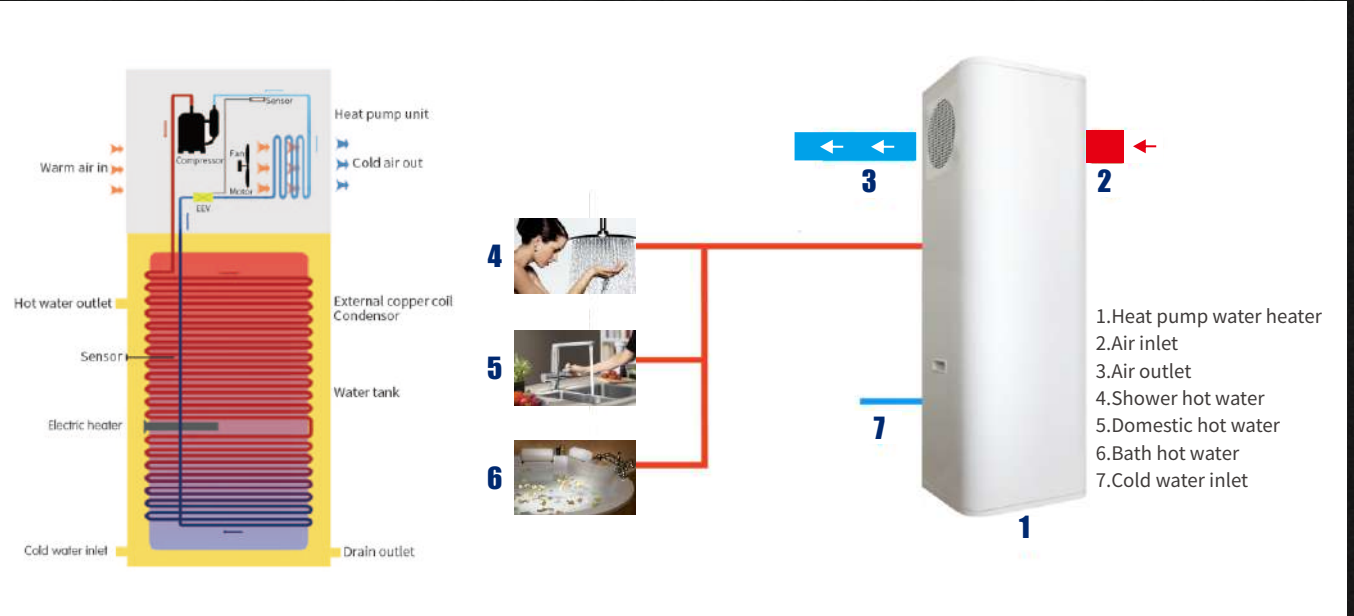
| Type                                                                                                    | series C     | series C     | series C     |
|---------------------------------------------------------------------------------------------------------|--------------|--------------|--------------|
| Model No.                                                                                               | YT-200TB1    | YT-250TB1    | YT-300TB1    |
| Testing condition: * Heating Capacity at Air temp. 20 °C / 15 °C, Water Temperature from 15 °C to 55 °C |              |              |              |
| Heating Capacity (kW)                                                                                   | 2.5          | 2.5          | 2.5          |
| Power Input (kW)                                                                                        | 0.6          | 0.6          | 0.6          |
| COP                                                                                                     | 4.16         | 4.16         | 4.16         |
| Max Power Input (kW)                                                                                    | 2.4          | 3            | 3            |
| Rated Current (A)                                                                                       | 2.7          | 2.7          | 2.7          |
| Max Current (A)                                                                                         | 12.2         | 15           | 15           |
| Power Supply                                                                                            | 220V/1/50Hz  | 220V/1/50Hz  | 220V/1/50Hz  |
| Backup Electric Heater (W)                                                                              | 2000         | 2000         | 2000         |
| Refrigerant                                                                                             | R134a        | R134a        | R134a        |
| Net Dimension(mm)                                                                                       | Φ620×1638    | Φ620×1868    | Φ620×2038    |
| Package Dimension(mm)                                                                                   | 700×700×1830 | 700×700×2060 | 700×700×2230 |
| Net Weight(Kg)                                                                                          | 88           | 95           | 102          |
| Gross Weight(Kg)                                                                                        | 106          | 113          | 120          |
| Noise (dB)                                                                                              | 48           | 48           | 48           |
| Water tank volume(L)/(Gal)                                                                              | 200/55       | 250/65       | 300/80       |
| Working temperature range (°C)                                                                          | -7~43        | -7~43        | -7~43        |
| Loading quantity(20ft container)                                                                        | 24           | 24           | 24           |
| Loading quantity(40ft container)                                                                        | 51           | 51           | 51           |

HEAT PUMP  
WATER HEATER  
ALL IN ONE HEAT PUMP SERIES D

- R134A refrigerant, environmental friendly.
- Higher water temperature output up to 75°C.
- External condenser coil, more safe & reliable.
- Adopt enamel inner tank.
- High pressure protection.
- Defrost automatically.
- With sterilization function.
- MODBUS communication.
- Full automatically operation.
- With auxiliary electric heater.



APPLICATION



| Type                                                                   | series D     | series D     |
|------------------------------------------------------------------------|--------------|--------------|
| Model No.                                                              | YT-120TC1    | YT-150TC1    |
| Heating Capacity at Air 20°C/15°C, Water Temperature from 15°C to 55°C |              |              |
| Heating Capacity (kW)                                                  | 2.5          | 2.5          |
| Power Input (kW)                                                       | 0.6          | 0.6          |
| COP                                                                    | 4.16         | 4.16         |
| Max Power Input (kW)                                                   | 3            | 3            |
| Rated Current (A)                                                      | 2.7          | 2.7          |
| Max Current (A)                                                        | 15           | 15           |
| Power Supply                                                           | 220V/1/50Hz  | 220V/1/50Hz  |
| Backup Electric Heater (W)                                             | 2000         | 2000         |
| Refrigerant                                                            | R134a        | R134a        |
| Net Dimension(mm)                                                      | 500x500x1550 | 500x500x1670 |
| Package Dimension(mm)                                                  | 640x640x1720 | 640x640x1840 |
| Net Weight(Kg)                                                         | 89           | 92           |
| Noise (dB)                                                             | 48           | 48           |
| Water tank volume(L)/(Gal)                                             | 120/35       | 150/40       |
| Working temperature range (°C)                                         | -7~43        | -7~43        |

# HEAT PUMP WATER HEATER

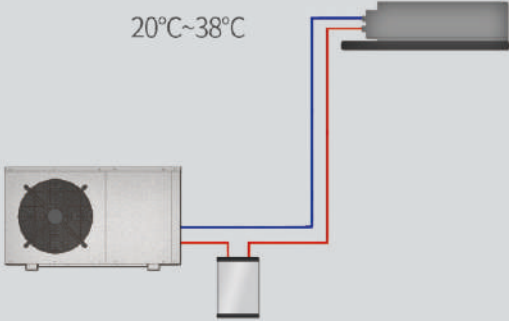
## RESIDENTIAL TYPE

- R410A refrigerant, environmental friendly.
- Higher water temperature output up to 60°C.
- Tube in shell heat ex-changer, Hi-COP & safety.
- With sterilization function (tank with electric heater)
- High pressure protection.
- Defrost automatically.
- MODBUS communication.
- Full automatically operation.
- Through different installation, the system can be used for cooling, heating and providing sanitary hot water.



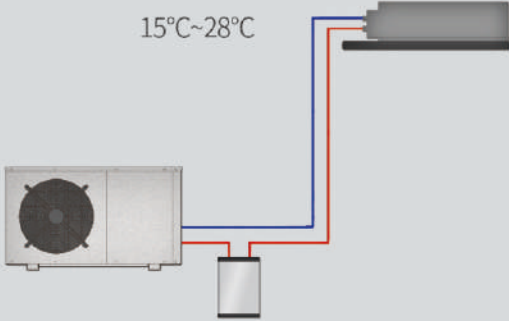
APPLICATION

20°C~38°C



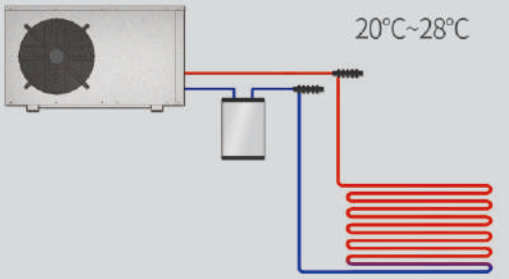
Heating (fan coil)

15°C~28°C

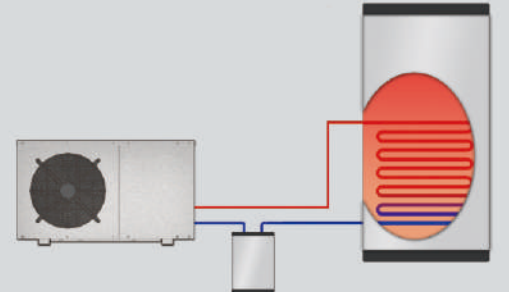


Cooling (fan coil)

20°C~28°C

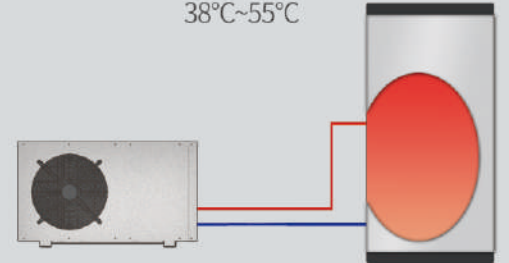


Floor Heating



Sanitary hot water (tank with coil)

38°C~55°C



Sanitary hot water ( tank without coil )

Different Way,  
Meet Different  
Demand !

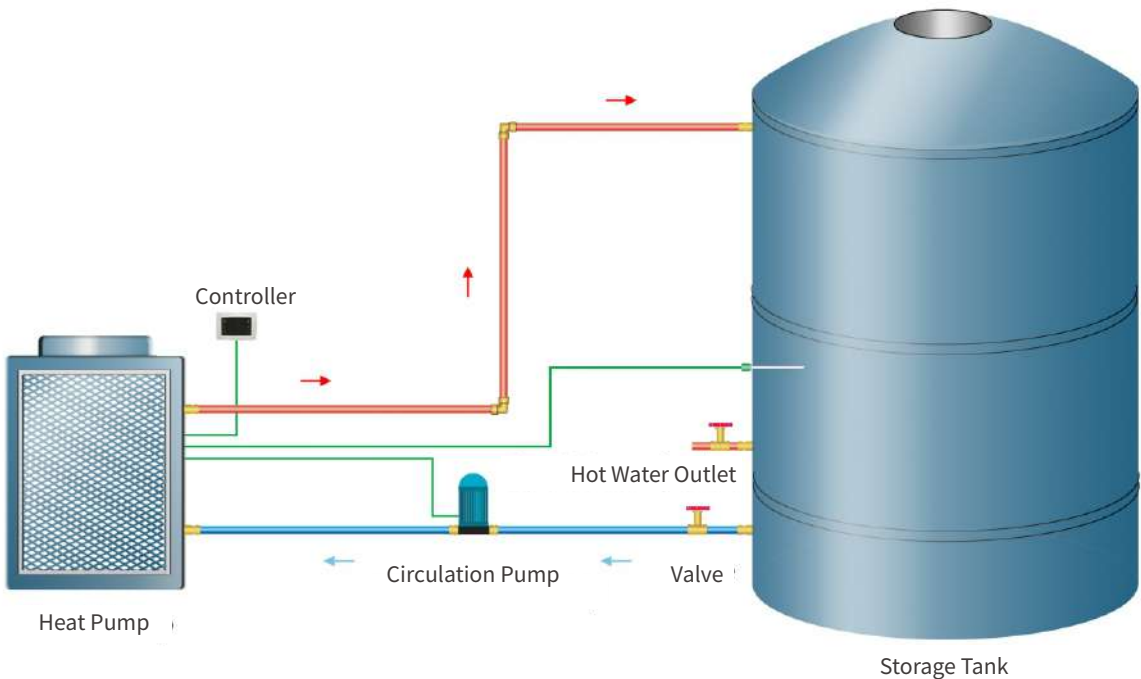


| Model No.                                                              | RS-004TA1    | RS-006TA1    | RS-008TA1    | RS-010TA1     | RS-012TA1     | RS-018TA1     |
|------------------------------------------------------------------------|--------------|--------------|--------------|---------------|---------------|---------------|
| Power Supply                                                           | 220V/50Hz    | 380V/50Hz    | 220V/50Hz    | 220V/50Hz     | 220V/50Hz     | 380V/50Hz     |
| Heating Capacity at Air 20°C/15°C, Water Temperature from 15°C to 55°C |              |              |              |               |               |               |
| Heating Capacity (kW)                                                  | 3.6          | 5.4          | 7.6          | 10.8          | 13.2          | 18.8          |
| Power Input (kW)                                                       | 0.86         | 1.26         | 1.81         | 2.54          | 3.17          | 4.56          |
| COP                                                                    | 4.18         | 4.29         | 4.20         | 4.25          | 4.16          | 4.12          |
| Max Power Input (kW)                                                   | 1.45         | 2.01         | 2.75         | 3.02          | 4.51          | 6.02          |
| Max Current(A)                                                         | 6.5          | 9.0          | 12.0         | 15.2          | 23.0          | 11.0          |
| Rated Hot Water(L/h)                                                   | 80           | 120          | 165          | 230           | 285           | 400           |
| Refrigerant                                                            | R410a        | R410a        | R410a        | R410a         | R410a         | R410a         |
| Expansion Valve                                                        | Electronic   | Electronic   | Electronic   | Electronic    | Electronic    | Electronic    |
| Air Flow Direction                                                     | Horizontal   | Horizontal   | Horizontal   | Horizontal    | Horizontal    | Horizontal    |
| Water Pump inside                                                      | Yes          | Yes          | Yes          | Yes           | Yes           | No            |
| Water Pressure Drop (kPa)                                              | 35           | 35           | 40           | 45            | 45            | 45            |
| Net Dimensions(LxWxH) (mm)                                             | 936x385x550  | 936x385x550  | 1011x420x614 | 986x420x798   | 986x420x798   | 1000x375x1320 |
| Package Dimensions(LxWxH) (mm)                                         | 1030x445x592 | 1030x445x592 | 1105x480x657 | 1158x560x1017 | 1158x560x1017 | 1070x445x1440 |
| Working temperature range (°C)                                         | -15~43       | -15~43       | -15~43       | -15~43        | -15~43        | -15~43        |
| Noise (dB)                                                             | 47           | 49           | 52           | 52            | 53            | 54            |
| Net Weight (kg)                                                        | 50           | 54           | 68           | 68            | 85            | 149           |
| Water connection(mm)                                                   | 20           | 20           | 20           | 20            | 20            | 25            |

# HEAT PUMP WATER HEATER

## COMMERCIAL TYPE

- R410A refrigerant, environmental friendly.
- Higher water temperature output up to 60°C.
- Tube in shell heat ex-changer, Hi-COP & safety.
- With sterilization function (tank with electric heater)
- High pressure protection.
- Defrost automatically.
- MODBUS communication.
- Full automatically operation.
- Through different installation, the system can be used for cooling, heating and providing sanitary hot water.



|                                                                        |                |
|------------------------------------------------------------------------|----------------|
| Model No.                                                              | RS-190TA1      |
| Power Supply                                                           | 380V/3/50Hz    |
| Heating Capacity at Air 20°C/15°C, Water Temperature from 15°C to 55°C |                |
| Heating Capacity (kW)                                                  | 190            |
| Power Input (kW)                                                       | 44.4           |
| COP                                                                    | 4.28           |
| Max Power Input (kW)                                                   | 66             |
| Max Current(A)                                                         | 110            |
| Rated Hot Water(L/h)                                                   | 4000           |
| Refrigerant                                                            | R410a          |
| Compressor                                                             | Scroll         |
| Expansion Valve                                                        | Electronic     |
| Air Flow Direction                                                     | Vertical       |
| Water Flow Volume (m³/h)                                               | 33             |
| Water Pressure Drop (kPa)                                              | 55             |
| Dimensions(LxWxH) (mm)                                                 | 2248x2148x2176 |
| Working temperature range (°C)                                         | -25~43         |
| Noise (dB)                                                             | ≤76            |
| Net Weight (kg)                                                        | 1600           |
| Water connection(mm)                                                   | 80             |

### HEAT PUMP WATER HEATER / COMMERCIAL TYPE

