ELECTRIC WATER HEATERS

EAU_CHAUFFAGE

Where Water Meets Heat

COMMERICAL

100 L
150 L
200 L
300 L
420 L
500 L
600 L
800 L
1000 L
1200 L
1500 L
2050 L
3000 L
5000 L

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100L - 2000L SMART STYLE

CENTRAL WATER HEATERS

Embrace Comfort, Embrace Central Water Heating

Large Capacity Central Water Supply

Discovering a new perspective on comfort

Corrosion resistant and more durable

Enjoy a shower time

CE

Catalogue of commerical electric heater

Large capacity commercial electric water heaters

Fast heating

Security

Time saving

Enjoy bathing

Automatic water replenishment, stable water temperature
intelligent constant temperature control

Identify safety hazards from the source

Adopting computer program automatic control. intelligent alarm will be sent to remind users when faults are found

Intelligent fault reminder

EAU_CHAUFFAGE
Where Water Meets Heat

we believe that »

luxury is not just a concept, but a way of life...

With a passion for innovation and an unwavering commitment to engineering excellence, our team of professionals works tirelessly to create heating solutions that not only meet the highest industry standards but also cater to the unique demands of a luxury lifestyle. Our products are meticulously designed, crafted, and tested to provide exceptional performance, energy efficiency, and reliability, allowing you to enjoy the epitome of luxury in every aspect of your life.

Join the EAUCHAUFFAGE family and experience the difference. Together, let's create a brighter future while enjoying the comforts of today.

At EAUCHAUFFAGE we believe

Each of our water heaters is meticulously crafted to deliver exceptional performance, superior efficiency, and unmatched reliability. With customizable specifications, we ensure that our products meet the unique requirements of our clients, providing tailored solutions for their specific needs.

Whether you need a water heater for your luxury residence, hotel, or commercial establishment, our product range offers a comprehensive selection to suit various capacities and applications. Experience the pinnacle of quality, comfort, and energy efficiency with EAUCHAUFFAGE water heaters.

- Energy-efficient design for reduced energy consumption
- High-quality components for long-lasting performance
- Environmentally-friendly operation for a sustainable lifestyle
- Customizable specifications to meet client requirements
- Exquisite design with a focus on luxury and elegance
- Advanced heating technology for fast and efficient water heating
- Smart controls and customization options for personalized usage
- Energy-saving features for cost-effective operation

We comply with:

EN 60335-2-21:
This standard covers the safety requirements for electric storage water heaters and other appliances for heating liquids in domestic and commercial applications, including central water heaters.

EN 14863:
This standard addresses the safety and performance requirements of electrical instantaneous water heaters, which can be applicable to central water heating systems that use instantaneous heaters

EN 60379:
This standard provides methods for measuring the energy consumption of electric storage water heaters and hot water storage tanks.

EN 12897:
This standard provides guidance on the assessment of hot water storage tanks.

At EAUCHAUFFAGE
we take pride in being a leading Canadian brand that brings together the perfect fusion of elegance, functionality, and environmental consciousness. With a strong focus on family well-being, energy efficiency, and clean water solutions, we are dedicated to enhancing your everyday life through our exceptional water heating products.

Environmentally Conscious:
Preserving the environment is at the core of our philosophy. We are committed to reducing our carbon footprint and promoting sustainability. Our water heaters are designed to optimize energy efficiency, minimizing wastage and maximizing savings. By choosing EAUCHAUFFAGE, you contribute to a greener future for generations to come.

Motion with Purpose:
Our brand is in constant motion, driven by a passion for creating innovative solutions that elevate the water heating experience. We understand the importance of family and the valuable moments shared, which is why our products are designed to provide optimal comfort and convenience for your loved ones.

Clean Water Solutions:
We understand the significance of clean and pure water for your family's health and well-being. Our water heaters incorporate advanced clean materials, ensuring that every drop that reaches your tap is free from impurities and contaminants. Enjoy the peace of mind that comes with knowing your family has access to safe and clean water.

Luxurious Comfort:
Immerse yourself in a world of luxury as our water heaters seamlessly blend with your upscale lifestyle. With meticulous attention to detail and cutting-edge technology, our products offer unparalleled comfort, ensuring that every shower or faucet moment becomes an indulgent experience.

Embrace a New Standard:
EAUCHAUFFAGE sets a new standard for water heating, where style, functionality, and eco-consciousness intertwine harmoniously. We invite you to discover a world of luxury, where your family's comfort, environmental sustainability, and clean water are our top priorities.

Experience pure luxury with EAUCHAUFFAGE. Our meticulously crafted central water heaters offer unparalleled opulence and sophistication. Elevate your bathing experience to new heights of indulgence and transform your bathroom into a sanctuary of comfort and style. Immerse yourself in a world of pure luxury, where every moment is a lavish escape.

When you choose EAUCHAUFFAGE, you choose a brand that is dedicated to exceeding your expectations. Our customer-centric approach means that we prioritize your satisfaction at every step. From the moment you install our central water heater, you'll experience the convenience, efficiency, and comfort that EAUCHAUFFAGE is known for.

Contact us today to explore our range of EUACHAUFFAGE central water heaters. Experience the difference that trust, quality, and comfort can make in your family's life. Embrace the warmth and reliability of Euachauffage and elevate your bathing experience to new heights of satisfaction.

Large caliber
large export volume

Multipoint supply
Simultaneous supply

Stable water pressure

Commercial hot water
massive heating

100 - 300L

400 - 900L

1000 - 1500L

2000L

Different capacity specifications to meet different needs

Main performance introduction

1

Inner tank

The main body is made of stainless steel 304 plate, the upper and lower ends are equipped with customized heads, and the inner liner is manually welded on both sides. Double manual welding ensures the welding strength, and the tungsten argon arc welding TTG welding process is used to obtain high-quality welding

2

Insulation layer

Using high-density hydrogen polymer foam insulation layer, with an average thickness of 50mm

3

Electrical components

All electrical components are made of well-known domestic brand "Zhengtai" electrical appliances

4

Sacrificial anode magnesium rod

Extended and thickened sacrificial anode magnesium rod configuration

5

Electric heating power cord

Using silicone insulation to weave high-temperature power lines

6

Electric heater

The electric heaters are all made of stainless steel electric heating wires, and the material is stainless steel 316 heating tube with a thickness of 12mm 1mm high-quality heating wire, filled with magnesium powder in the middle.

7

control system

The central controller is integrated with a microcontroller, with a working voltage of 220V. The control panel is equipped with digital display, including temperature display, status display, fault alarm display, and fault alarm code description. The electric water furnace is equipped with a computer-based boiler controller, which makes the boiler operation intelligent, digital, automated, and user-friendly. The water temperature can be set arbitrarily from 10 °C to 80 °C

8

Large diameter Computer fan

The electric control cabinet is equipped with a forced Computer fan, with ventilation of 1.88m2 per hour, which can effectively reduce the temperature in the electric cabinet and slow down the aging speed of electrical components.

Introduction to the safety performance of the electric control box:

Leakage circuit breaker

The 380V heating circuit and 220V control circuit both use Chint brand C-type residual current protectors

Water shortage protection

The low water level protection system automatically stops heating and triggers an alarm signal when the internal water level of the water heater falls below the standard value.

Solid and reliable equipotential Ground wire system

The electric heating element, control cabinet box, shell, and main ground wire are each connected with separate and solid ground wires, which is quite safe and reliable.

T/P temperature and pressure safety valve

The water heater is equipped with a temperature and pressure safety valve, which automatically drains when the temperature exceeds 90 degrees and the pressure exceeds 8 kilograms

Overpressure protection

When the water temperature of the water heater exceeds the set pressure value, the water heater automatically stops heating and triggers an alarm signal.

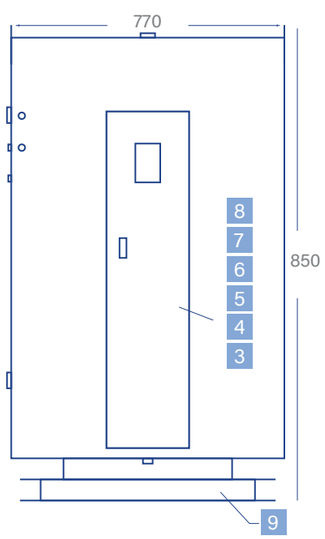
Configuration list:

- **The water heater body includes insulation**
- **Pressure sensor, temperature sensor**
- **Sacrificial anode magnesium rod**
- **Low water level sensor**
- **Pressure edge gauge**
- **Bimetal thermometer**
- **T/P temperature and pressure safety valve**
- **Electric control cabinet**

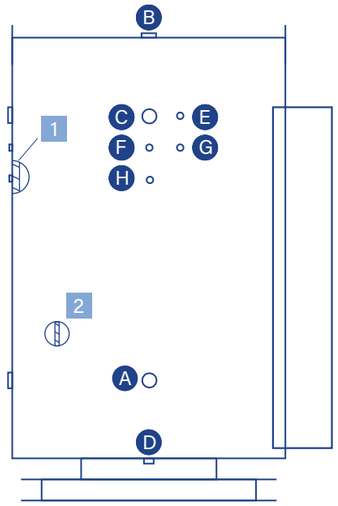
  Water heater controller, 380v leakage circuit breaker, 220 leakage circuit breaker, 380v AC contactor, forced Computer fan
- **Installation and operationmanual, product testing report**

Technical Data Sheet

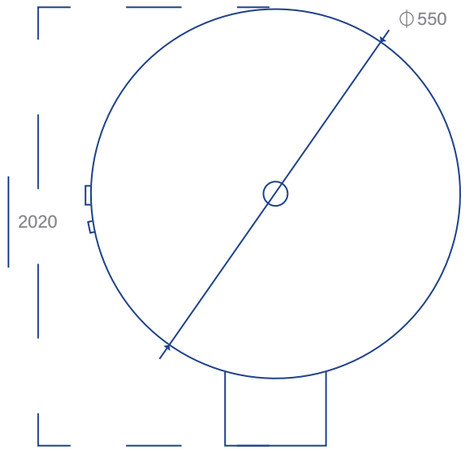
Item	ECC100-3	ECC100-5	ECC100-6	ECC100-9	ECC100-10	ECC100-12	ECC100-18	ECC100-20	ECC100-24	ECC100-25
Capacity(L)	100	100	100	100	100	100	100	100	100	100
Power(KW)	3	5	6	9	10	12	18	20	24	25
Voltage(V)	220/380	220/380	220/380	380	380	380	380	380	380	380
Current(A)	4.5/12A	7.5/2A	9/24A	13A	15A	18A	27A	30A	36A	37.5A
Inlet diameter	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25
Outler diameter	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25
Discharge outlet diameter	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25
Working pressure(Mpa)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Heating Element no	1	1	1	1	1	1	1	1	1	1
Product size(mm)	550*770*850									



FRONT VIEW



SIDE VIEW



TOP VIEW

SYMBLE		PIPE Ø
A	Inlet	DN-50
B	Outlet	DN-50
C	Loop return	DN-50
D	Sewage Outlet	DN-25
E	Thermometer	DN-20
F	Pressure Gauge	DN-20
G	Temperature and Pressure	DN-20
H	Safety Valve	DN-20

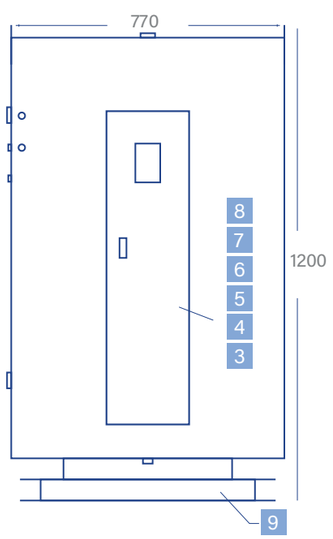
Design and inspection of this water heater according to:
a. GB4706.1-2005 (General Safety Requirements for Household and Similar Daily Water Heaters)
b. GB4706.12-2006 (New Safety Standard for Storage Water Heaters)
c. GB/T20289-2006 (National Standard for Storage Electric Water Heaters) and relevant professional technical standards.

ITEM	
1	Outer Shell (SS 201)
2	Inner Tank (SS 304)
3	Cartridge Heater (SS 304)
4	Electric Control Box (SS 201)
5	Level Sensor
6	Temperature Sensor
7	Pressure Sensor
8	Magnesium Rod
9	Channel Steel Base

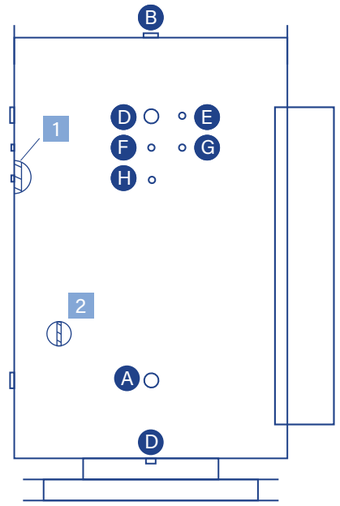
- Working Pressure 6 bar
- Testing Pressure 12 bar

Technical Data Sheet

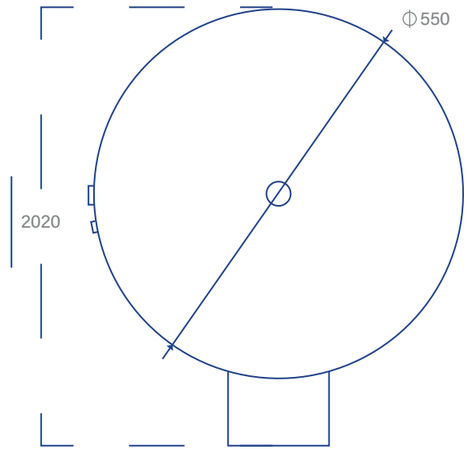
Item	ECC150-3	ECC150-5	ECC150-6	ECC150-9	ECC150-10	ECC150-12	ECC150-18	ECC150-20	ECC150-24	ECC150-25
Capacity(L)	150	150	150	150	150	150	150	150	150	150
Power(KW)	3	5	6	9	10	12	18	20	24	25
Voltage(V)	220/380	220/380	220/380	380	380	380	380	380	380	380
Current(A)	4.5/12A	7.5/2A	9/24A	13A	15A	18A	27A	30A	36A	37.5A
Inlet diameter	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25
Outler diameter	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25
Discharge outlet diameter	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25
Working pressure(Mpa)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Heating Element no	1	1	1	1	1	1	1	1	1	1
Product size(mm)	550*770*1200									



FRONT VIEW



SIDE VIEW



TOP VIEW

SYMBLE

		PIPE Ø
A	Inlet	DN-50
B	Outlet	DN-50
C	Loop return	DN-50
D	Sewage Outlet	DN-25
E	Thermometer	DN-20
F	Pressure Gauge	DN-20
G	Temperature and Pressure	DN-20
H	Safety Valve	DN-20

Design and inspection of this water heater according to:
a. GB4706.1-2005 (General Safety Requirements for Household and Similar Daily Water Heaters)
b. GB4706.12-2006 (New Safety Standard for Storage Water Heaters)
c. GB/T20289-2006 (National Standard for Storage Electric Water Heaters) and relevant professional technical standards.

ITEM

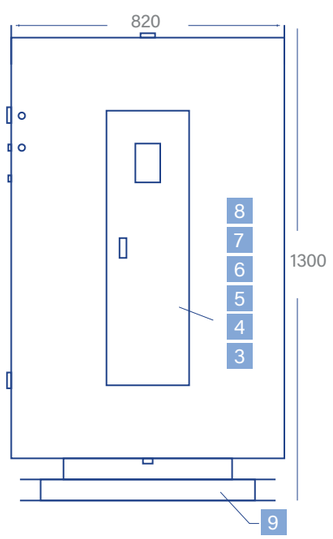
1	Outer Shell (SS 201)
2	Inner Tank (SS 304)
3	Cartridge Heater (SS 304)
4	Electric Control Box (SS 201)
5	Level Sensor
6	Temperature Sensor
7	Pressure Sensor
8	Magnesium Rod
9	Channel Steel Base

• Working Pressure 6 bar

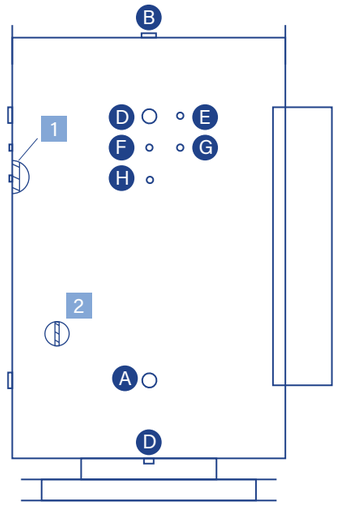
• Testing Pressure 12 bar

Technical Data Sheet

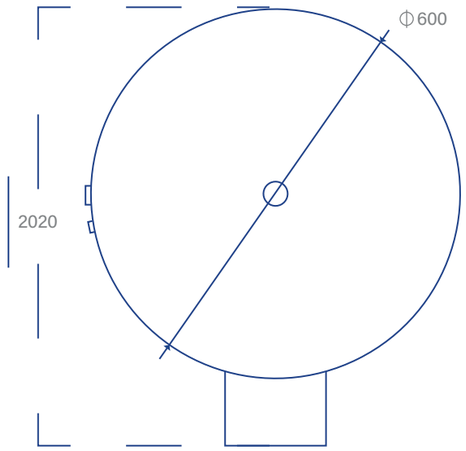
Item	ECC200-3	ECC200-6	ECC200-9	ECC200-12	ECC200-18	ECC200-24	ECC200-36	ECC200-48	ECC200-60	ECC200-72
Capacity(L)	200	200	200	200	200	200	200	200	200	200
Power(KW)	3	6	9	12	18	24	36	48	60	72
Voltage(V)	220/380	220/380	380	380	380	380	380	380	380	380
Current(A)	4.5/12A	9/24A	13A	18A	27A	36A	54A	72A	90A	108A
Inlet diameter	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50
Outler diameter	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50
Discharge outlet diameter	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25
Working pressure(Mpa)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Heating Element no	1	1	1	1	1	1	2	2	2	3
Product size(mm)	600*820*1300									



FRONT VIEW



SIDE VIEW



TOP VIEW

SYMBLE

		PIPE Ø
A	Inlet	DN-50
B	Outlet	DN-50
C	Loop return	DN-50
D	Sewage Outlet	DN-25
E	Thermometer	DN-20
F	Pressure Gauge	DN-20
G	Temperature and Pressure	DN-20
H	Safety Valve	DN-20

Design and inspection of this water heater according to:
a. GB4706.1-2005 (General Safety Requirements for Household and Similar Daily Water Heaters)
b. GB4706.12-2006 (New Safety Standard for Storage Water Heaters)
c. GB/T20289-2006 (National Standard for Storage Electric Water Heaters) and relevant professional technical standards.

ITEM

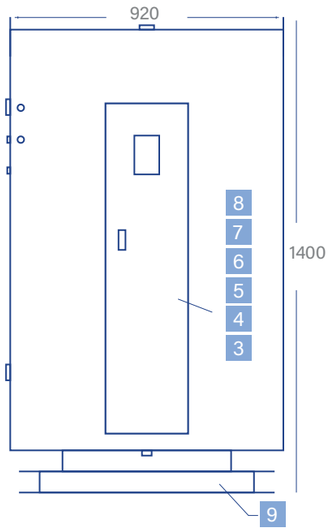
1. Outer Shell (SS 201)
2. Inner Tank (SS 304)
3. Cartridge Heater (SS 304)
4. Electric Control Box (SS 201)
5. Level Sensor
6. Temperature Sensor
7. Pressure Sensor
8. Magnesium Rod
9. Channel Steel Base

• Working Pressure 6 bar

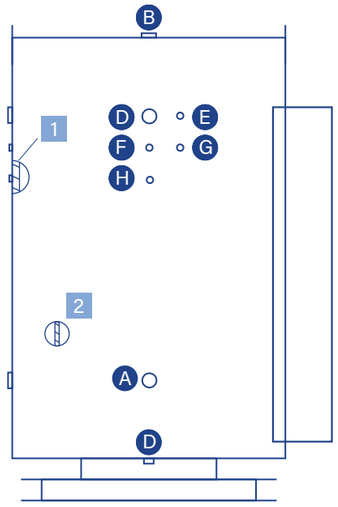
• Testing Pressure 12 bar

Technical Data Sheet

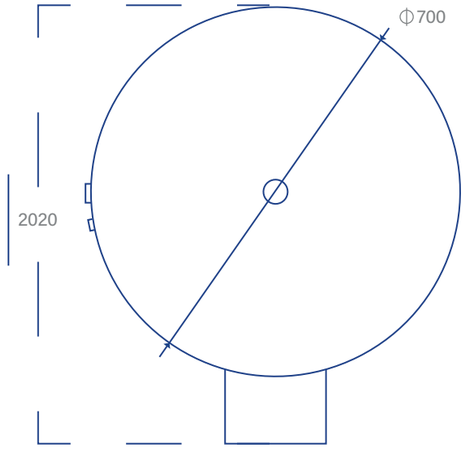
Item	ECC300-3	ECC300-6	ECC300-9	ECC300-12	ECC300-18	ECC300-24	ECC300-36	ECC300-48	ECC300-60	ECC300-72
Capacity(L)	300	300	300	300	300	300	300	300	300	300
Power(KW)	3	6	9	12	18	24	36	48	60	72
Voltage(V)	220/380	220/380	380	380	380	380	380	380	380	380
Current(A)	4.5/12A	9/24A	13A	18A	27A	36A	54A	72A	90A	108A
Inlet diameter	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50
Outler diameter	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50
Discharge outlet diameter	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25
Working pressure(Mpa)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Heating Element no	1	1	1	1	1	1	2	2	2	3
Product size(mm)	700*920*1400									



FRONT VIEW



SIDE VIEW



TOP VIEW

SYMBLE

		PIPE Ø
A	Inlet	DN-50
B	Outlet	DN-50
C	Loop return	DN-50
D	Sewage Outlet	DN-25
E	Thermometer	DN-20
F	Pressure Gauge	DN-20
G	Temperature and Pressure	DN-20
H	Safety Valve	DN-20

Design and inspection of this water heater according to:
a. GB4706.1-2005 (General Safety Requirements for Household and Similar Daily Water Heaters)
b. GB4706.12-2006 (New Safety Standard for Storage Water Heaters)
c. GB/T20289-2006 (National Standard for Storage Electric Water Heaters) and relevant professional technical standards.

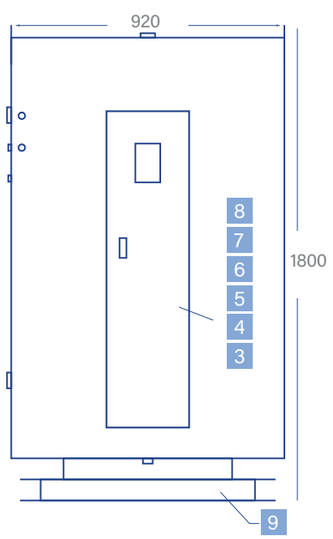
ITEM

1	Outer Shell (SS 201)
2	Inner Tank (SS 304)
3	Cartridge Heater (SS 304)
4	Electric Control Box (SS 201)
5	Level Sensor
6	Temperature Sensor
7	Pressure Sensor
8	Magnesium Rod
9	Channel Steel Base

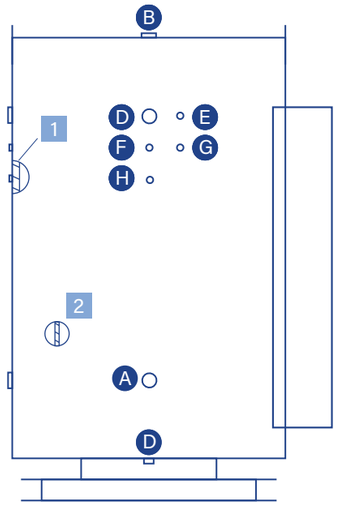
- Working Pressure 6 bar
- Testing Pressure 12 bar

Technical Data Sheet

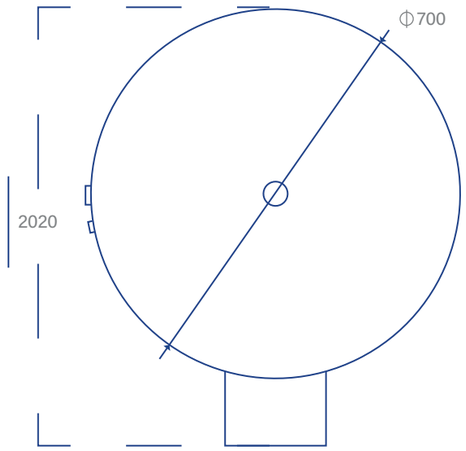
Item	ECC420-3	ECC420-6	ECC420-9	ECC420-12	ECC420-18	ECC420-24	ECC420-36	ECC420-48	ECC420-60	ECC420-72
Capacity(L)	420	420	420	420	420	420	420	420	420	420
Power(KW)	3	6	9	12	18	24	36	48	60	72
Voltage(V)	220/380	220/380	380	380	380	380	380	380	380	380
Current(A)	4.5/12A	9/24A	13A	18A	27A	36A	54A	72A	90A	108A
Inlet diameter	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50
Outler diameter	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50
Discharge outlet diameter	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25
Working pressure(Mpa)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Heating Element no	1	1	1	1	1	1	2	2	2	3
Product size(mm)	700*920*1800									



FRONT VIEW



SIDE VIEW



TOP VIEW

SYMBLE

		PIPE Ø
A	Inlet	DN-50
B	Outlet	DN-50
C	Loop return	DN-50
D	Sewage Outlet	DN-25
E	Thermometer	DN-20
F	Pressure Gauge	DN-20
G	Temperature and Pressure	DN-20
H	Safety Valve	DN-20

Design and inspection of this water heater according to:
a. GB4706.1-2005 (General Safety Requirements for Household and Similar Daily Water Heaters)
b. GB4706.12-2006 (New Safety Standard for Storage Water Heaters)
c. GB/T20289-2006 (National Standard for Storage Electric Water Heaters) and relevant professional technical standards.

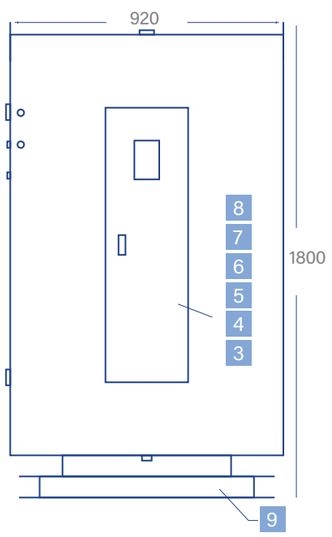
ITEM

1	Outer Shell (SS 201)
2	Inner Tank (SS 304)
3	Cartridge Heater (SS 304)
4	Electric Control Box (SS 201)
5	Level Sensor
6	Temperature Sensor
7	Pressure Sensor
8	Magnesium Rod
9	Channel Steel Base

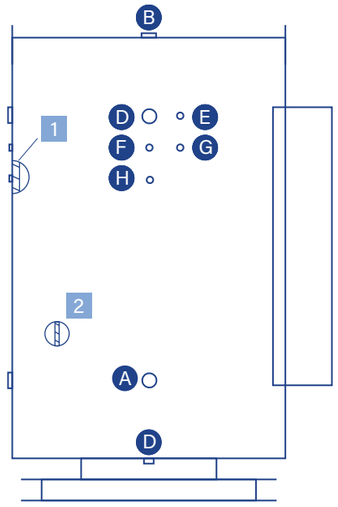
- Working Pressure 6 bar
- Testing Pressure 12 bar

Technical Data Sheet

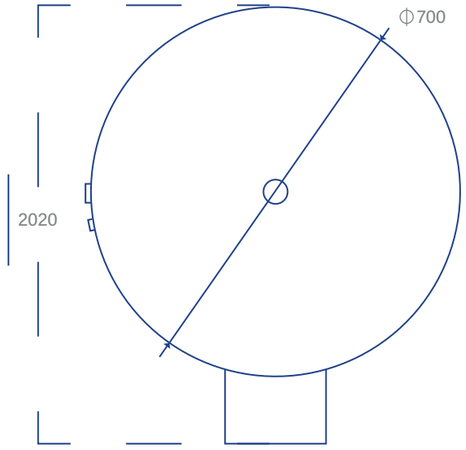
Item	ECC500-9	ECC500-12	ECC500-18	ECC500-24	ECC500-36	ECC500-48	ECC500-60	ECC500-72	ECC500-90	ECC500-100
Capacity(L)	500	500	500	500	500	500	500	500	500	500
Power(KW)	9	12	18	24	36	48	60	72	90	100
Voltage(V)	380	380	380	380	380	380	380	380	380	380
Current(A)	13A	18A	27A	36A	54A	72A	90A	108A	135A	150A
Inlet diameter	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50
Outler diameter	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50
Discharge outlet diameter	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25
Working pressure(Mpa)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Heating Element no	1	1	1	1	2	2	2	3	3	4
Product size(mm)	700*920*1950									



FRONT VIEW



SIDE VIEW



TOP VIEW

SYMBLE

		PIPE Ø
A	Inlet	DN-50
B	Outlet	DN-50
C	Loop return	DN-50
D	Sewage Outlet	DN-25
E	Thermometer	DN-20
F	Pressure Gauge	DN-20
G	Temperature and Pressure	DN-20
H	Safety Valve	DN-20

Design and inspection of this water heater according to:
a. GB4706.1-2005 (General Safety Requirements for Household and Similar Daily Water Heaters)
b. GB4706.12-2006 (New Safety Standard for Storage Water Heaters)
c. GB/T20289-2006 (National Standard for Storage Electric Water Heaters) and relevant professional technical standards.

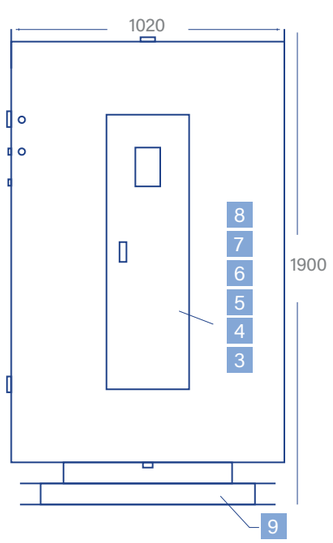
ITEM

1	Outer Shell (SS 201)
2	Inner Tank (SS 304)
3	Cartridge Heater (SS 304)
4	Electric Control Box (SS 201)
5	Level Sensor
6	Temperature Sensor
7	Pressure Sensor
8	Magnesium Rod
9	Channel Steel Base

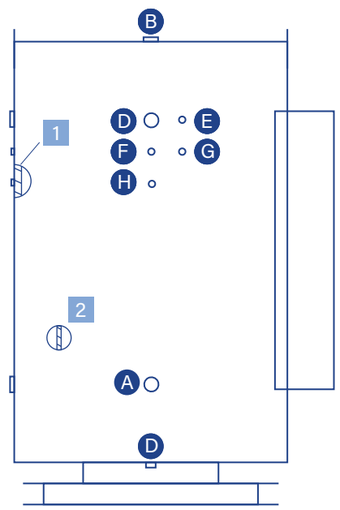
- Working Pressure 6 bar
- Testing Pressure 12 bar

Technical Data Sheet

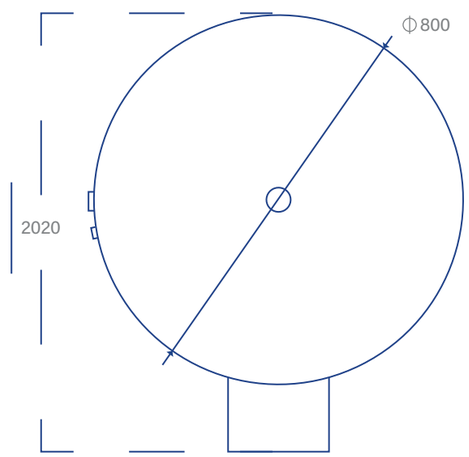
Item	ECC600-9	ECC600-12	ECC600-18	ECC600-24	ECC600-36	ECC600-48	ECC600-60	ECC600-72	ECC600-90	ECC600-100
Capacity(L)	600	600	600	600	600	600	600	600	600	600
Power(KW)	9	12	18	24	36	48	60	72	90	100
Voltage(V)	380	380	380	380	380	380	380	380	380	380
Current(A)	13A	18A	27A	36A	54A	72A	90A	108A	135A	150A
Inlet diameter	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50
Outler diameter	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50
Discharge outlet diameter	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25
Working pressure(Mpa)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Heating Element no	1	1	1	1	2	2	2	3	3	4
Product size(mm)	800*1020*1900									



FRONT VIEW



SIDE VIEW



TOP VIEW

SYMBLE		PIPE Ø
A	Inlet	DN-50
B	Outlet	DN-50
C	Loop return	DN-50
D	Sewage Outlet	DN-25
E	Thermometer	DN-20
F	Pressure Gauge	DN-20
G	Temperature and Pressure	DN-20
H	Safety Valve	DN-20

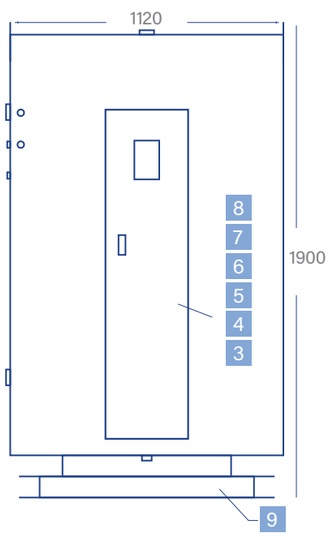
ITEM	
1	Outer Shell (SS 201)
2	Inner Tank (SS 304)
3	Cartridge Heater (SS 304)
4	Electric Control Box (SS 201)
5	Level Sensor
6	Temperature Sensor
7	Pressure Sensor
8	Magnesium Rod
9	Channel Steel Base

Design and inspection of this water heater according to:
a. GB4706.1-2005 (General Safety Requirements for Household and Similar Daily Water Heaters)
b. GB4706.12-2006 (New Safety Standard for Storage Water Heaters)
c. GB/T20289-2006 (National Standard for Storage Electric Water Heaters) and relevant professional technical standards.

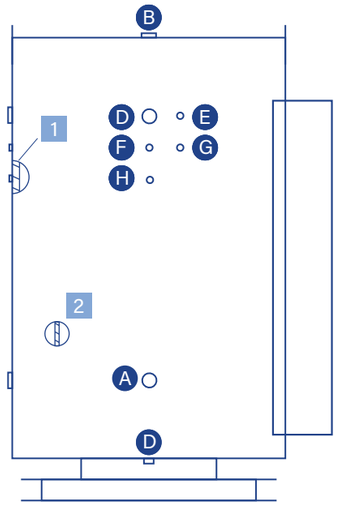
- Working Pressure 6 bar
- Testing Pressure 12 bar

Technical Data Sheet

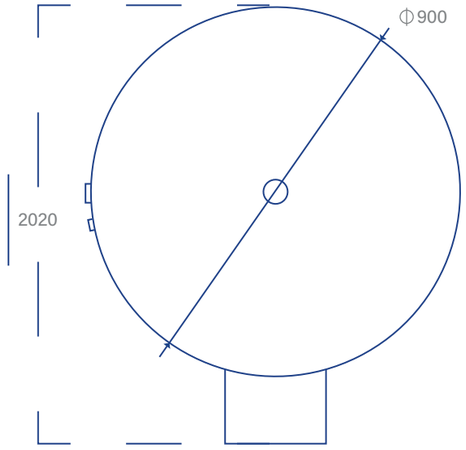
Item	ECC800-9	ECC800-12	ECC800-18	ECC800-24	ECC800-36	ECC800-48	ECC800-60	ECC800-72	ECC800-90	ECC800-100
Capacity(L)	800	800	800	800	800	800	800	800	800	800
Power(KW)	9	12	18	24	36	48	60	72	90	100
Voltage(V)	380	380	380	380	380	380	380	380	380	380
Current(A)	13A	18A	27A	36A	54A	72A	90A	108A	135A	150A
Inlet diameter	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50
Outler diameter	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50
Discharge outlet diameter	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25
Working pressure(Mpa)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Heating Element no	1	1	1	1	2	2	2	3	3	4
Product size(mm)	900*1120*1900									



FRONT VIEW



SIDE VIEW



TOP VIEW

SYMBLE

		PIPE Ø
A	Inlet	DN-50
B	Outlet	DN-50
C	Loop return	DN-50
D	Sewage Outlet	DN-25
E	Thermometer	DN-20
F	Pressure Gauge	DN-20
G	Temperature and Pressure	DN-20
H	Safety Valve	DN-20

Design and inspection of this water heater according to:
a. GB4706.1-2005 (General Safety Requirements for Household and Similar Daily Water Heaters)
b. GB4706.12-2006 (New Safety Standard for Storage Water Heaters)
c. GB/T20289-2006 (National Standard for Storage Electric Water Heaters) and relevant professional technical standards.

ITEM

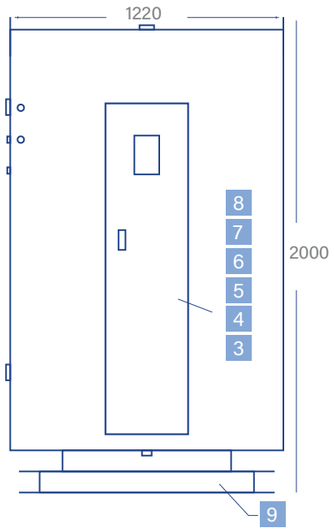
1	Outer Shell (SS 201)
2	Inner Tank (SS 304)
3	Cartridge Heater (SS 304)
4	Electric Control Box (SS 201)
5	Level Sensor
6	Temperature Sensor
7	Pressure Sensor
8	Magnesium Rod
9	Channel Steel Base

• Working Pressure 6 bar

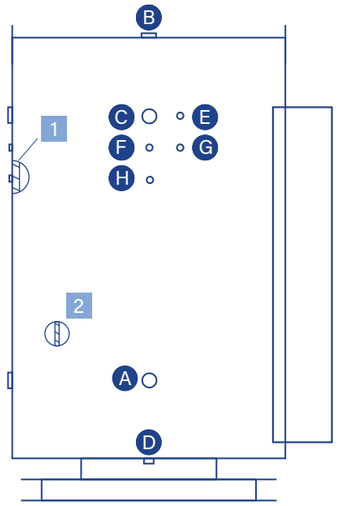
• Testing Pressure 12 bar

Technical Data Sheet

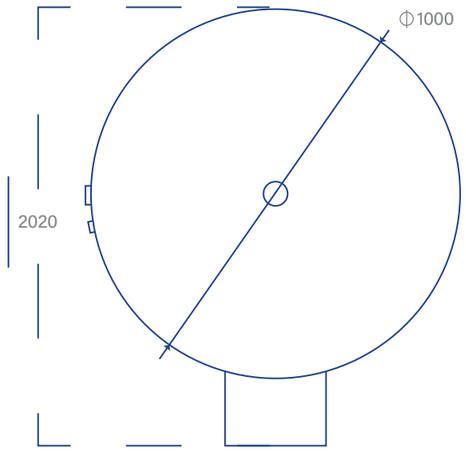
Item	ECC1000-18	ECC1000-24	ECC1000-36	ECC1000-48	ECC1000-60	ECC1000-72	ECC1000-90	ECC1000-100	ECC1000-120	ECC1000-150
Capacity(L)	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Power(KW)	18	24	36	48	60	72	90	100	120	150
Voltage(V)	380	380	380	380	380	380	380	380	380	380
Current(A)	27A	36A	54A	72A	90A	108A	135A	150A	175A	218A
Inlet diameter	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50
Outler diameter	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50
Discharge outlet diameter	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25
Working pressure(Mpa)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Heating Element no	1	1	2	2	2	3	3	4	4	5
Product size(mm)	1000*1220*2000									



FRONT VIEW



SIDE VIEW



TOP VIEW

SYMBLE

		PIPE Ø
A	Inlet	DN-50
B	Outlet	DN-50
C	Loop return	DN-50
D	Sewage Outlet	DN-25
E	Thermometer	DN-20
F	Pressure Gauge	DN-20
G	Temperature and Pressure	DN-20
H	Safety Valve	DN-20

ITEM

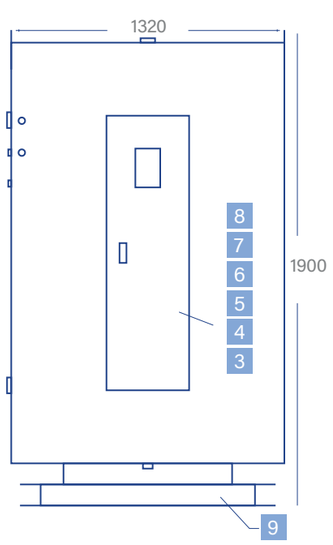
1. Outer Shell (SS 201)
2. Inner Tank (SS 304)
3. Cartridge Heater (SS 304)
4. Electric Control Box (SS 201)
5. Level Sensor
6. Temperature Sensor
7. Pressure Sensor
8. Magnesium Rod
9. Channel Steel Base

Design and inspection of this water heater according to:
a. GB4706.1-2005 (General Safety Requirements for Household and Similar Daily Water Heaters)
b. GB4706.12-2006 (New Safety Standard for Storage Water Heaters)
c. GB/T20289-2006 (National Standard for Storage Electric Water Heaters) and relevant professional technical standards.

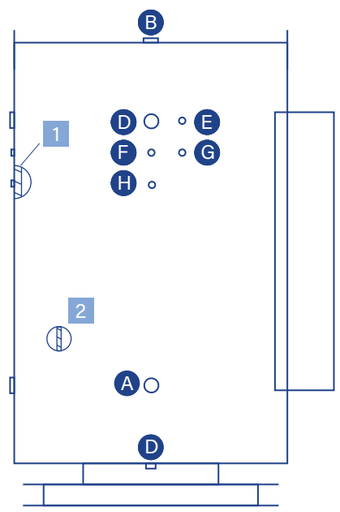
- Working Pressure 6 bar
- Testing Pressure 12 bar

Technical Data Sheet

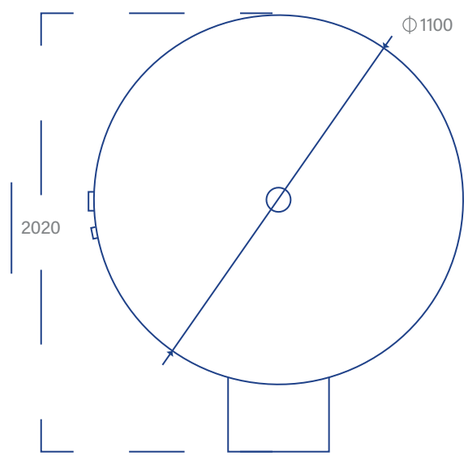
Item	ECC1200-18	ECC1200-24	ECC1200-36	ECC1200-48	ECC1200-60	ECC1200-72	ECC1200-90	ECC1200-100	ECC1200-120	ECC1200-150
Capacity(L)	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200
Power(KW)	18	24	36	48	60	72	90	100	120	150
Voltage(V)	380	380	380	380	380	380	380	380	380	380
Current(A)	27A	36A	54A	72A	90A	108A	135A	150A	175A	218A
Inlet diameter	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50
Outler diameter	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50
Discharge outlet diameter	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25
Working pressure(Mpa)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Heating Element no	1	1	2	2	2	3	3	4	4	5
Product size(mm)	1100*1320*1900									



FRONT VIEW



SIDE VIEW



TOP VIEW

SYMBLE

		PIPE Ø
A	Inlet	DN-50
B	Outlet	DN-50
C	Loop return	DN-50
D	Sewage Outlet	DN-25
E	Thermometer	DN-20
F	Pressure Gauge	DN-20
G	Temperature and Pressure	DN-20
H	Safety Valve	DN-20

Design and inspection of this water heater according to:
a. GB4706.1-2005 (General Safety Requirements for Household and Similar Daily Water Heaters)
b. GB4706.12-2006 (New Safety Standard for Storage Water Heaters)
c. GB/T20289-2006 (National Standard for Storage Electric Water Heaters) and relevant professional technical standards.

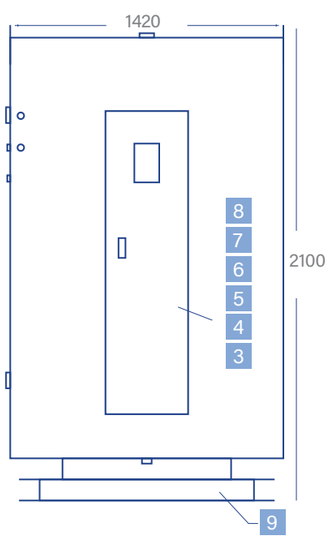
ITEM

1	Outer Shell (SS 201)
2	Inner Tank (SS 304)
3	Cartridge Heater (SS 304)
4	Electric Control Box (SS 201)
5	Level Sensor
6	Temperature Sensor
7	Pressure Sensor
8	Magnesium Rod
9	Channel Steel Base

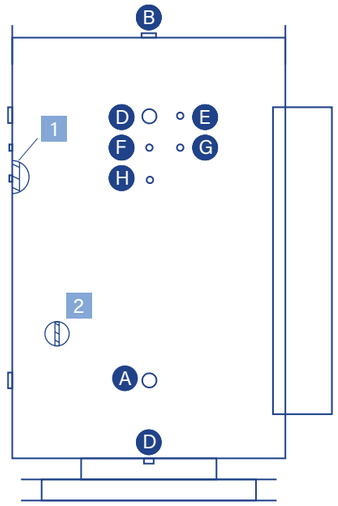
- Working Pressure 6 bar
- Testing Pressure 12 bar

Technical Data Sheet

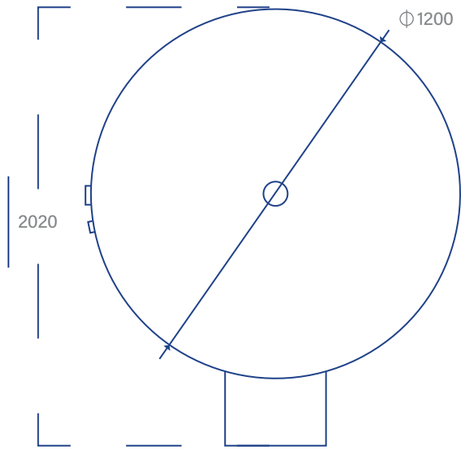
Item	ECC1500-18	ECC1500-24	ECC1500-36	ECC1500-48	ECC1500-60	ECC1500-72	ECC1500-90	ECC1500-100	ECC1500-120	ECC1500-150
Capacity(L)	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Power(KW)	18	24	36	48	60	72	90	100	120	150
Voltage(V)	380	380	380	380	380	380	380	380	380	380
Current(A)	27A	36A	54A	72A	90A	108A	135A	150A	175A	218A
Inlet diameter	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50
Outler diameter	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50
Discharge outlet diameter	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25
Working pressure(Mpa)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Heating Element no	1	1	2	2	2	3	3	4	4	5
Product size(mm)	1200*1420*2100									



FRONT VIEW



SIDE VIEW



TOP VIEW

SYMBLE

		PIPE Ø
A	Inlet	DN-50
B	Outlet	DN-50
C	Loop return	DN-50
D	Sewage Outlet	DN-25
E	Thermometer	DN-20
F	Pressure Gauge	DN-20
G	Temperature and Pressure	DN-20
H	Safety Valve	DN-20

Design and inspection of this water heater according to:
a. GB4706.1-2005 (General Safety Requirements for Household and Similar Daily Water Heaters)
b. GB4706.12-2006 (New Safety Standard for Storage Water Heaters)
c. GB/T20289-2006 (National Standard for Storage Electric Water Heaters) and relevant professional technical standards.

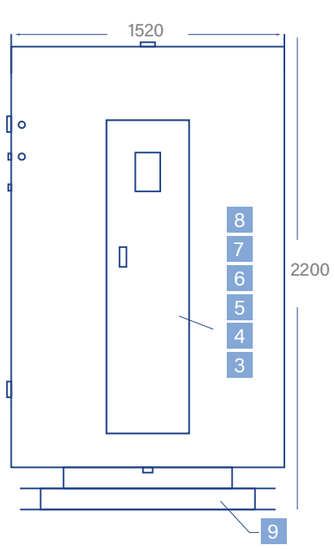
ITEM

1	Outer Shell (SS 201)
2	Inner Tank (SS 304)
3	Cartridge Heater (SS 304)
4	Electric Control Box (SS 201)
5	Level Sensor
6	Temperature Sensor
7	Pressure Sensor
8	Magnesium Rod
9	Channel Steel Base

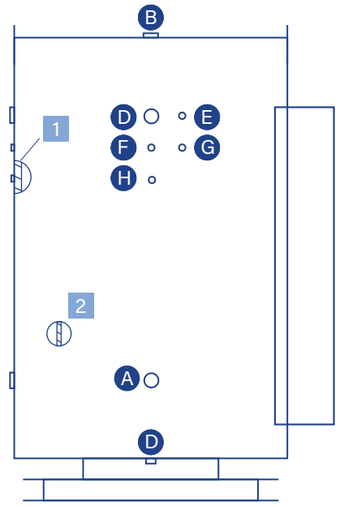
- Working Pressure 6 bar
- Testing Pressure 12 bar

Technical Data Sheet

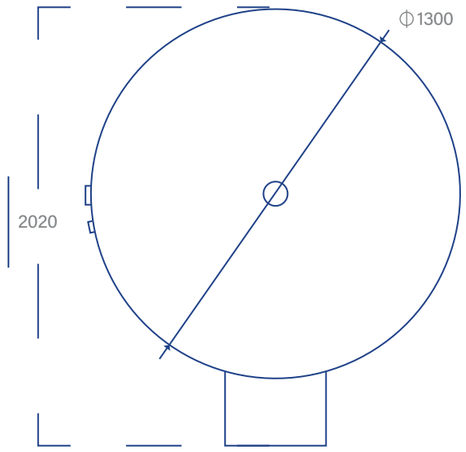
Item	ECC2050-18	ECC2050-24	ECC2050-36	ECC2050-48	ECC2050-60	ECC2050-72	ECC2050-90	ECC2050-100	ECC2050-120	ECC2050-150
Capacity(L)	2050	2050	2050	2050	2050	2050	2050	2050	2050	2050
Power(KW)	18	24	36	48	60	72	90	100	120	150
Voltage(V)	380	380	380	380	380	380	380	380	380	380
Current(A)	27A	36A	54A	72A	90A	108A	135A	142A	175A	218A
Inlet diameter	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50
Outler diameter	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50
Discharge outlet diameter	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25
Working pressure(Mpa)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Heating Element no	1	1	2	2	2	3	3	4	4	5
Product size(mm)	1300*1520*2200									



FRONT VIEW



SIDE VIEW



TOP VIEW

SYMBLE

		PIPE Ø
A	Inlet	DN-50
B	Outlet	DN-50
C	Loop return	DN-50
D	Sewage Outlet	DN-25
E	Thermometer	DN-20
F	Pressure Gauge	DN-20
G	Temperature and Pressure	DN-20
H	Safety Valve	DN-20

Design and inspection of this water heater according to:
a. GB4706.1-2005 (General Safety Requirements for Household and Similar Daily Water Heaters)
b. GB4706.12-2006 (New Safety Standard for Storage Water Heaters)
c. GB/T20289-2006 (National Standard for Storage Electric Water Heaters) and relevant professional technical standards.

ITEM

1	Outer Shell (SS 201)
2	Inner Tank (SS 304)
3	Cartridge Heater (SS 304)
4	Electric Control Box (SS 201)
5	Level Sensor
6	Temperature Sensor
7	Pressure Sensor
8	Magnesium Rod
9	Channel Steel Base

- Working Pressure 6 bar
- Testing Pressure 12 bar

Primary energy efficiency insulation

1.Double security protection

Each group of heaters corresponds to a circuit breaker for protection. The power ccrd is made of high - temperature waterproof power cord, which has streng Irmulaic and is nutnu tu egina. I ecupoed with a pressure relief cevice and can automatically relleve overpressure

2.Sacrificial anode magnesium rod

Lengthened High-purity magnesium red purnes various antecenal systems protect the inner Iner from corrosion. providing maximum protection for the Freading toute

3.Precision heating tube

316 stainless ste seamless heating pipe, corrosion-resistant, scale resistant, one- landing heading, efficient energy saving. and safe

Thickened polyurethane insulation layer

304 extra thick stainless steel inner water tank

Thickened polyurethane insulation layer

Stainless steel wire drawing plate shell

Product advantages and structure

Higher safety and lower failure rate

- AC contact accessory system
  Using well-known brand electronic components, with clear wiring and neat and reasonable wiring arrangement. Easy to repair and maintain.

Seven major advantages of energy storage electric water heaters

- **Energy conservation and environmental protection:**
  More than **40%** more energy- saving than direct heating, zero emissions, and zero pollution
- **One machine with multiple functions:**
  Heating, bathing, and domestic hot water
- **Intelligent control:**
  Intelligent constant temperature control, can be scheduled and Controlled in different time periods
- **Grouping heating:**
  Can be divided into 1 gear, 2 gears, 3 gears, and 4 gears for heating, when the power is high
  Depending on the user's water usage, 1st or 1st gear can be turned off without interfering with each other
- **Integrated design:**
  Beautiful and generous easy to install, and small footprint
- **One machine with multiple connections:**
  Can connect solar energy, air energy, multiple complementary sources, more energy-efficient
- **Six major protection functions:**
  Safer and more secure

Product structure details

Easy installation
Integrated installation, small footprint, simple engineering installation, large hot water volume, and no noise. It can be installed in parallel and
operated simply by pressing the button to enter the fully automatic working state.

Digital display controller
Adopting a single-chip microcomputer control technology controller. The control panel is equipped with digital display and temperature can be freely set, with a range of 20-85 ℃. For example, the desired temperature of 65 ℃ can be set to stop the furnace at 65 ℃, and heating can also be stopped when the temperature is below 45 ℃. The ignition temperature is 45 ℃

Large diameter Computer fan
The electric control cabinet is equipped with a Computer fan, which can
effectively reduce the temperature in the electric control cabinet and slow down the aging speed of electrical components.

T/P temperature, pressure, safety valve
The water heater is equipped with a temperature and pressure safety valve, which automatically releases water when the temperature exceeds 85 degrees and the pressure exceeds 8 kilograms. And it is equipped with a solid and reliable grounding system, with electric heating elements, control cabinet boxes, and a solid grounding connection, which is quite safe and reliable.

Strong safety performance :
Leakage circuit breaker: residual current Residual-current device of Chint brand is used for 380v heating circuit and 220v control circuit.
Water shortage protection: Low water level protection system. When the internal water level of the water heater falls below the standard value, thewater heater automatically stops heating and triggers an alarm signal.
Overpressure protection: When the water temperature of the water heater exceeds the set pressure value, the water heater automatically stops heating and triggers an alarm signal.
Electrical components: Therefore, the electrical components are all made of well-known domestic brand Zhengtai Electric Heater Power Cord: Made of silicone insulated and high-temperature resistant power cord.

Guide to Selecting Electric Water Heater Capacity:

Selecting the right capacity for an electric water heater is essential to ensure adequate hot water supply while optimizing energy efficiency. Consider the following steps:

Determine Peak Hot Water Demand:
Calculate the maximum hot water demand your application requires. Consider factors such as the number of occupants, bathrooms, appliances, and usage patterns. This peak demand will guide you in selecting the appropriate heater capacity.

Calculate Required Volume:
Estimate the total volume of hot water needed during peak demand times. This includes activities like bathing, dishwashing, and laundry. Multiply the number of gallons used per activity by the number of times each activity occurs.

Consider Recovery Rate:
The recovery rate is the speed at which the heater can reheat water after it's been used. It's especially important for applications with high usage demands. Look for a heater with a recovery rate that matches or exceeds your calculated required volume.

Temperature Rise:
Calculate the temperature rise needed based on your desired hot water temperature and the incoming cold-water temperature. The difference between these two temperatures is the temperature rise. Most heaters provide this information in their specifications.

Sizing Formula:
Use the following formula to estimate the required heater capacity: Required Capacity (in gallons) = Required Volume ÷ Temperature Rise

Account for Safety Margins:
To ensure consistent hot water supply during unusual usage patterns or colder weather, consider adding a safety margin of around 10-20% to your calculated required capacity.

Check Manufacturer Recommendations:
Manufacturers often provide sizing guidelines based on household size, usage patterns, and climate. Use these recommendations as a starting point but adjust them based on your specific needs.

Consider Future Needs:
If your hot water demand is expected to increase in the future (e.g., due to a growing family), consider selecting a heater with a slightly larger capacity.

Sizing Guidelines for Electric Water Heater Capacity:

Note: These are approximate guidelines. Actual sizing may vary based on individual preferences and usage habits.

1. Small Household (1-2 people):

- Capacity: 20-30 gallons
- Usage Patterns: Suitable for small households with minimal simultaneous hot water usage, such as single occupants or couples.
- Climate Consideration: More appropriate for warmer climates where incoming cold water temperature is not extremely low.

2. Medium Household (3-4 people):

- Capacity: 40-50 gallons
- Usage Patterns: Suitable for households with moderate hot water needs, including showers, dishwashing, and laundry.
- Climate Consideration: Works well in moderate climates with relatively mild winters.

3. Large Household (5+ people):

- Capacity: 50-80 gallons (or larger)
- Usage Patterns: Appropriate for larger families or households with high hot water demand due to multiple showers, laundry, and other activities.
- Climate Consideration: Important to select a capacity that can accommodate peak demand even during colder months.

4. High Hot Water Use (Jacuzzis, Spas, etc.):

- Capacity: 80+ gallons
- Usage Patterns: For homes with significant hot water requirements, including spa tubs, large whirlpool baths, and other high-demand features.
- Climate Consideration: Especially important in colder climates where water temperature rise may be more significant.

5. Energy Efficiency Focus:

- Capacity: Depends on hot water demand and usage habits.
- Usage Patterns: Consider a tankless or hybrid water heater if energy efficiency is a top priority. Tankless models provide hot water on-demand, reducing standby losses.

6. Cold Climates:

- Capacity: Add a safety margin to the calculated required capacity.
- Usage Patterns: Larger heaters are recommended due to higher temperature rise required in colder climates.
- Climate Consideration: Select a capacity that can handle peak demand even during the coldest months.

Remember, these guidelines are a starting point. Individual preferences, usage patterns, and climate variations can impact the actual capacity needed. It's crucial to perform a detailed analysis of your specific requirements and consult with professionals if you're uncertain about the best sizing for your electric water heater.

NOTE

ELECTRIC WATER HEATERS

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