

OUTES

All In One Heat Pump Water Heater



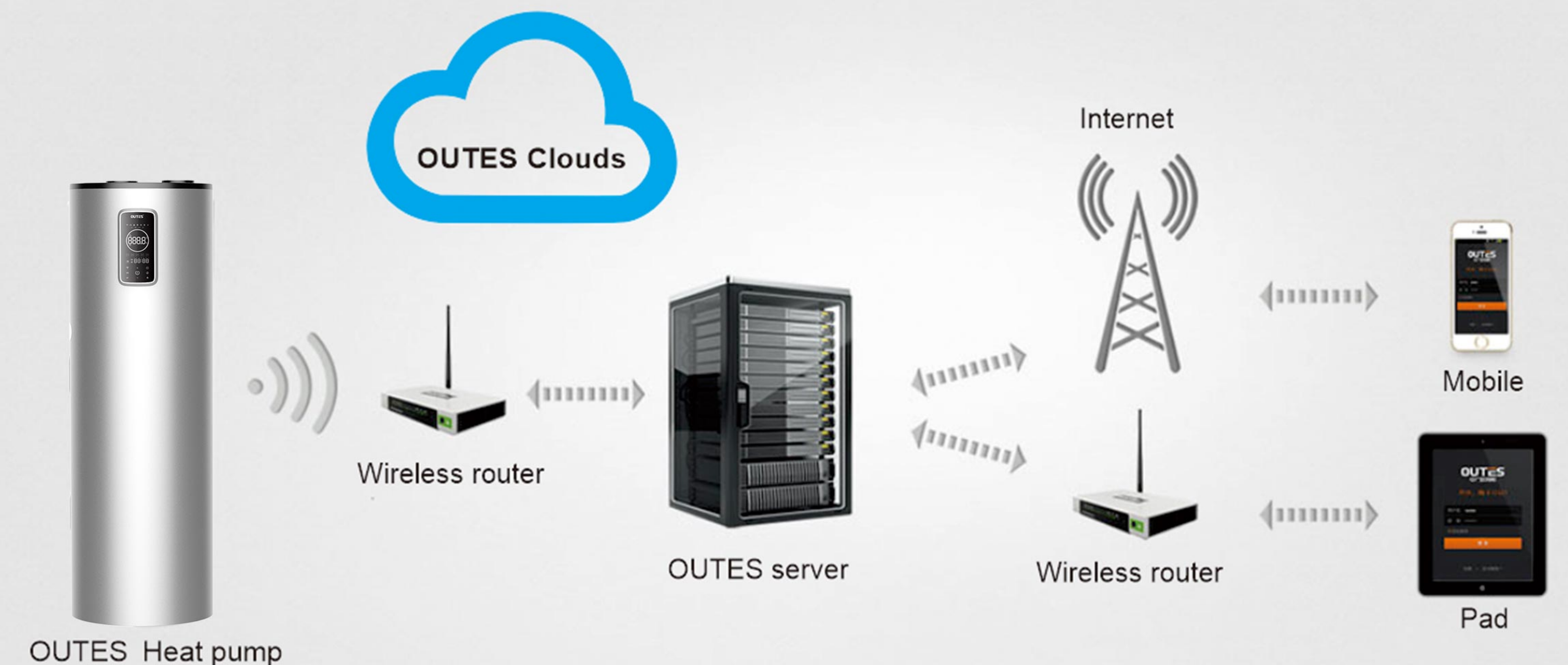
OUTES

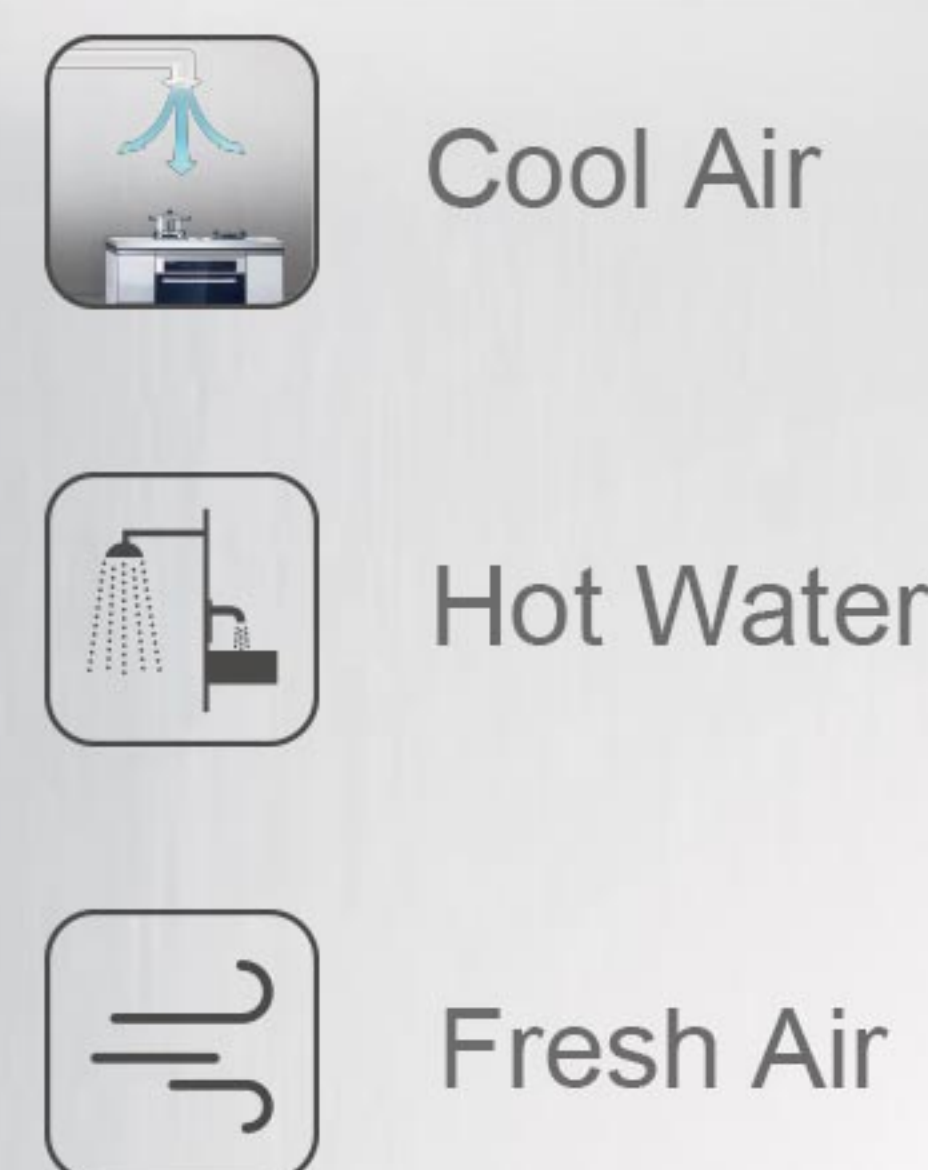


CLOUDS

OUTES clouds shall record your water consumption habits, adjust water temperature intelligently. Outes air source heat pump is not only a water heater, but also a hot water bulter.

How It Works





Features

Modes: AUTO/ECO/FAST/MULT

R134a

Topside air outlet

Built-in Magnesium Rod & Anion Anode for anti-corrosion

Enamel water tank with external aluminium micro-channel coil

50mm foaming insulation material

Electronic Expansion Valve for high efficiency

2KW Auxiliary Electric Heater back up for cold winter

Built-in Internal Solar water coil or boiler water coil are optional for Multi-thermal connection

Intelligent Fault Testing

Intelligent Defrosting

Auto Weekly Disinfection

Weekly Timer

Vacation Function

Auto-Restart

Child Lock

High/Low Pressure Protection

Cool Air Function

WIFI

Model		AAb21R1/200E	AAb21R1/300E
Water Tank Volume	L	200	300
Applicable Persons	/	4	6
Hot Water Yield	L/h	45	45
Power Supply	V/Ph/Hz	220~240V/1/50Hz	220~240V/1/50Hz
Water Outlet Temp. (Default/Max.)	°C	55 (Heat Pump) Max.75 (HP+E-heater)	
Running Ambient Temp.	°C	-25°C~46°C (Heat Pump+Electric Heater), -7°C~46°C (Heat Pump)	
Heating Capacity (Heat Pump)	W	2100	2100
Heating Input Power (Heat Pump)	W	535	535
Heating Input Current	A	3	3
Back Up Tubular Electric Heater	kW	2	2
Rated Input Power(HP+E-Heater)	W	3160	3160
Rated Input Current(HP+E-Heater)	A	13.8	13.8
Noise	dB(A)	≤40	≤40
Compressor	/	GMCC/Rotary	GMCC/Rotary
Fan Motor	/	DC Motor	DC Motor
Fan Motor Power	W	40	40
Fan Motor Fan Speed	RPM	830	830
Air Side Heat Exchanger	/	Finned Tube	Finned Tube
Water Side Heat Exchanger	/	Aluminium Micro-Channel	Aluminium Micro-Channel
Electric Shock Proof Grade	/	Class I	Class I
Waterproof Protection Grade	/	IPX4	IPX4
Water Tank Working Pressure	MPa	1.0	1.0
Water Tank Max. Pressure	MPa	1.20	1.20
Water Tank Inner Diameter	mm	Ø500	Ø540
Water Tank Height	mm	1141	1486
Net Weight/Gross Weight	Kg	120/130	130/140
Net Dimension (DxH)	mm	Ø600x1685	Ø640x1892
Packing Dimension(DxWxH)	mm	725x725x1910	737x737x2125
Water Connection Size (Inner Thread)	mm	3/4"	3/4"
Throttling Type	/	Electric Expansion Valve	Electric Expansion Valve
Solar Water Coil Surface(Optional)	m2	1.2	1.2
Boiler Water Coil Surface(Optional)	m2	0.50	1
Duct Dimension	mm	Ø180*2000	Ø180*2000
Refrigerant	/	R134A/850g	R134A/850g
Tapping Cycle	L	L	XL
COP _{DHW}	W/W	3.16	3.39
ErP Class	/	A+	A+
Container Loading (20'/40')	Unit	24/48	24/48

Air Inlet

Air Outlet

Finned Tube Heat Exchanger

Electromagnetic Valve

Compressor

Condensing Water Outlet

PT Valve

Hot Water Outlet

Anion Anode

Aluminium Micro-channel Heat Exchanger

Magnesium Rod

Gas Pipe

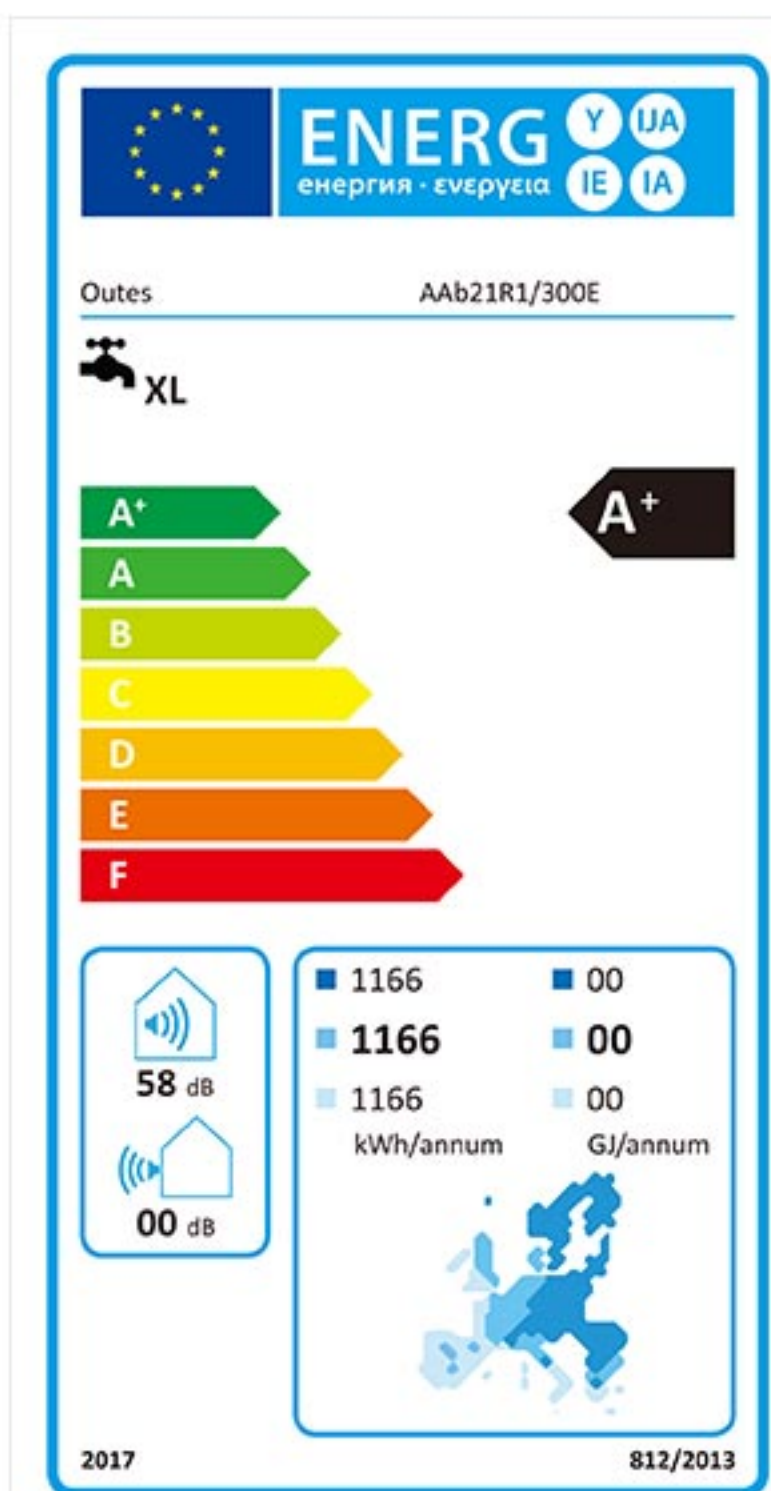
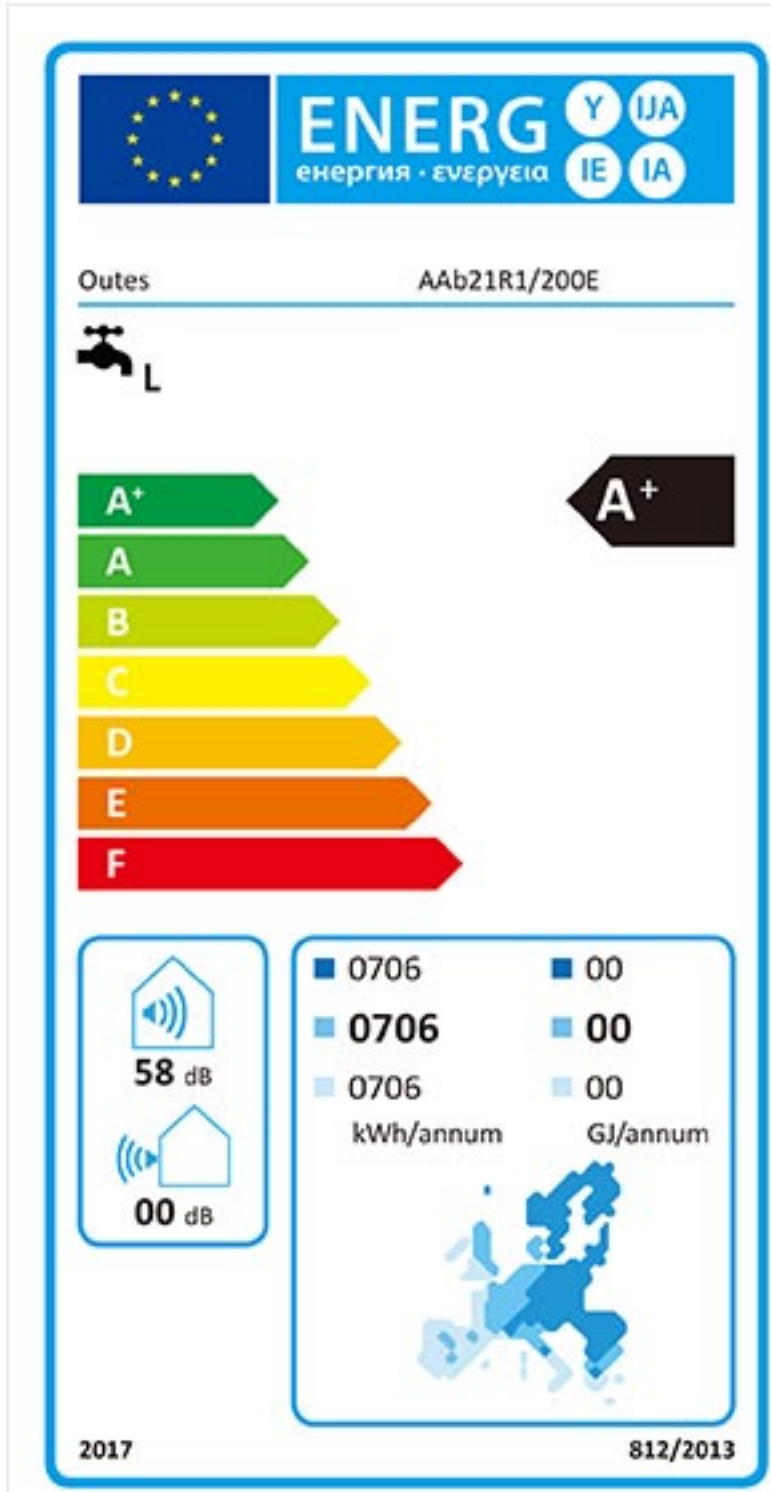
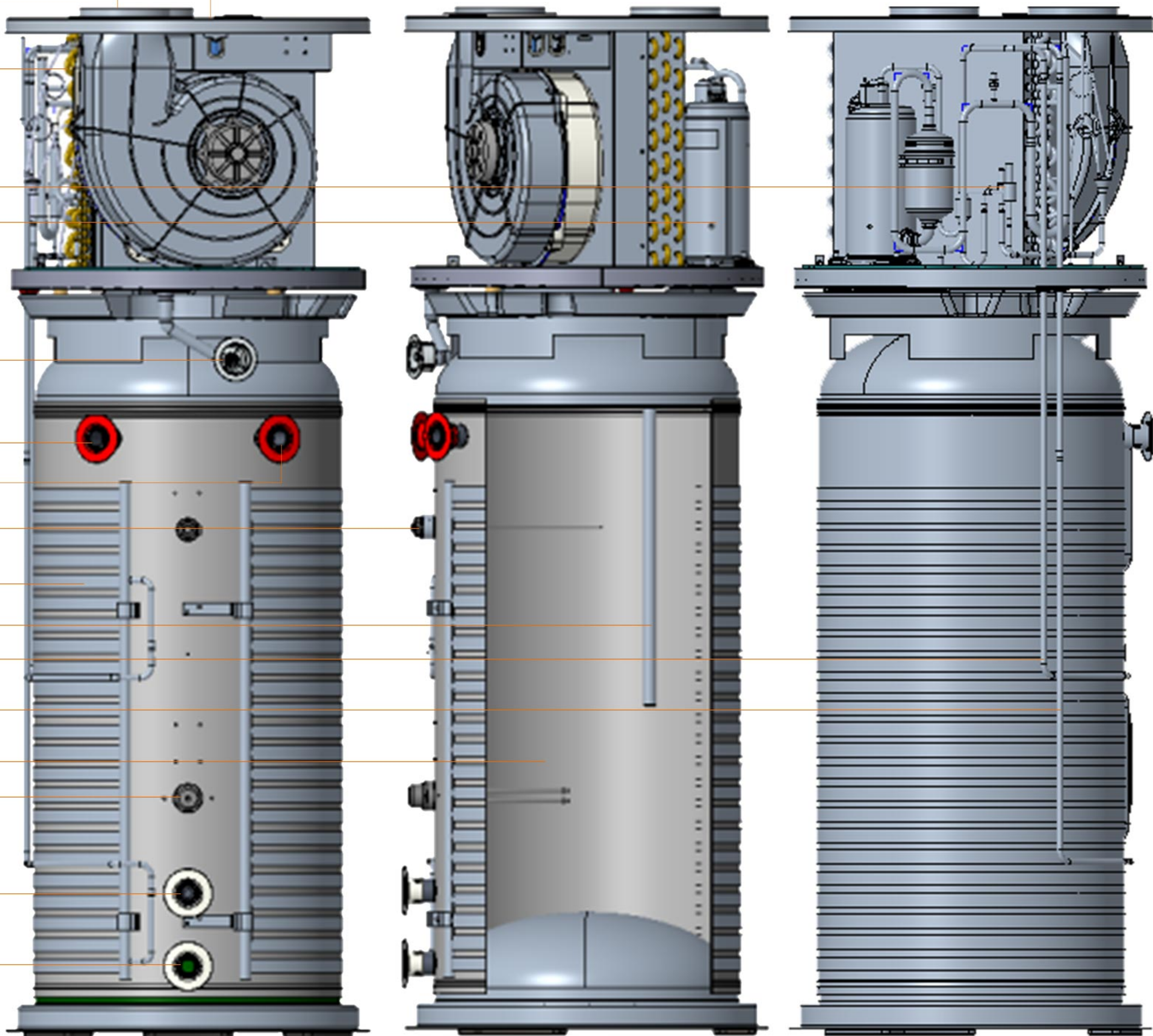
Liquid Pipe

Enamel Water Tank

Backup Electric Heater

Water Inlet

Drainage Outlet



Remark:

1. Test conditions:Base on EN16147:2017. Ambient Temp.(DB/WB):20°C/15°C, Water Temp.(In/Out):15°C/55°C;
2. The above data may be changed without prior notice for product improvement.

Model

B

Hot Water