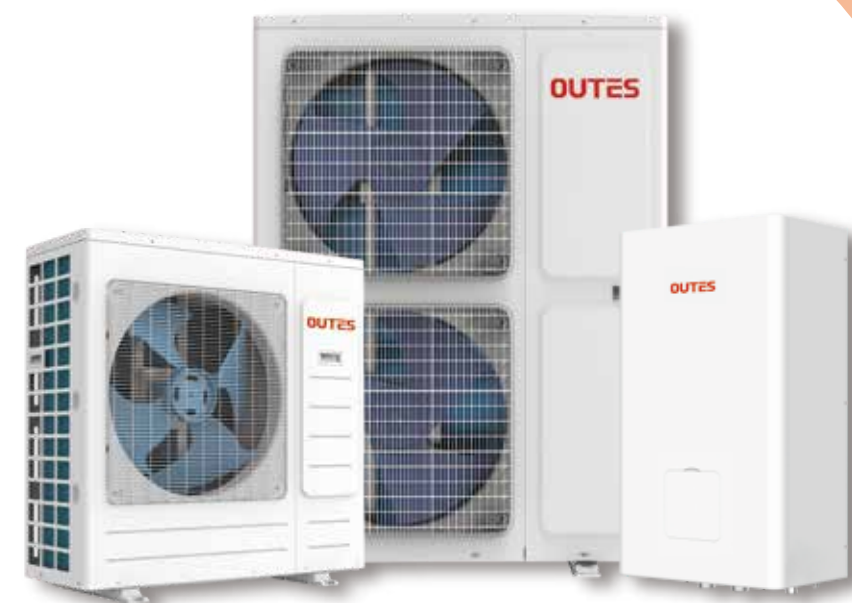


OUTES

OUTES

HEAT PUMP

HEATING COOLING HOT WATER



ZHEJIANG ZHONGGUANG ELECTRICAL CO., LTD.

ADD: No. 96 Yunjing Road, Shuige Industry Area, Lishui City, Zhejiang, China.

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2023



ABOUT US



OUTES was established in 2006, specializing in sales, R&D and manufacturing air conditioner, Cooling & Heating heat pump, Hot Water heat pump, Swimming Pool heat pump, Commercial Heat Pump, Fan Coils, Air Ventilation Unit, Water Purification Equipment and Pressure Water Tank.



OUTES industry park has 500,000m² with 450+ R&D engineers, 2000+ employees, and the annual production capacity is more than 1,000,000 pcs. OUTES has its own workshops for heat ex-changers, metal punching, painting, copper tube preassembly and PCB controller with world-class production lines and equipment. 90% of components are made by its own.



OUTES intelligent laboratory group approved by CNAS, TUV and BV. Laboratory group has 10,000m² with 50+ laboratories. The test include Enthalpy, Low Ambient, Noises, Safety, Reliability, Water-Spray, Transportation Labs and etc. The test capacity is from 1HP to 200HP.

OUTES has reputation in domestic market. With 3000+ distributors, 1000+ After-sales Service Center and 10 local warehouse. OUTES is the partner of China Aerospace and China High-speed Railway. OUTES is experienced to offer integrated solutions for cooling, heating, hot water, Air ventilation and Water Purification for the hotel, University, factory, mine field, residential building, commercial building and etc.

OUTES has certificates of ISO9001, ISO14001, OHSAS18001, CE, RoHS etc. Our products have exported all over the world.



Laboratories: 50⁺

R&D Engineers: 450⁺

Laboratory Group Area: 10,000m²

Industry Park Area: 500,000m²

Annual Sales Turnover: 3Billions

Employees: 2000+

Domes◆c Distributors: 3000

Domes◆c A◆er-sales Centers+

Annual Produc◆on Capacity: 1,000,000PCS



HISTORY

2022

Transforming from a company to OUTES Group
Official Air Source Heat Pump Supplier of the 19th Asian Games Hangzhou 2022
Signed "Great Country Brand" with CCTV

2021

Acquire Kalaoni Ventilation Tech, Established Zhongguang HVAC, Establish Zhongguang Water Purification Tech CO. etc..
Products were selected into national "Energy Efficiency Star" equipment product catalog
The domestic market share ranked No.1 of commercial heating brands for 4 consecutive years
Won Leading Brand in Heat Pump Industry Reward for 9 consecutive years

2020

OUTES Industry Park -Phase III on constructing
Established OUTES Guangdong R&D Center

2019

OUTES 5C Samrt Home sales strategy launch to the market
OUTES Laboratory Testing Center approved by CNAS,BV,TUV
Held 11th Distributor Conference
Annual turnover reached 1.5 Billion Yuan

2018

Launched DC Inverter Cooling&heating heat pump to the market
No.1 market share in Commercial Heating Heat Pump
Selected a s partner of China High Speed Railway

2017

Laun ched BLUE SKY DEFENDING PROJECT to promote Air to Water Air Conditioning with floor heating
Won the bid for 11 North China regional Coal To Electricity Replacemen Projects
Partic ipated in drafting four heat pump industry standards
Established OUTES Commercial heat pump equipment to the market

2016

Launch into North China heating market
Won the bid of Coal To Electricity Replacement Project in 6 districts of Beijing
Launch f or overseas market

2015

Established OUTES Shanghai R&D Center

2014

Selected as The Global Strategic Partner by Emerson
Established The first doctoral workstation in the heat pump industry

2013

OUTES Industry Park -Phase II completed construction
Won the title of "Leading Enterprises in China low-carbon economy"

2012

Signed as the China Aerospace Enterprise Partner

2011

OUTES Industry Park (Phase I) put into production

2010

Organized promotion activities of "thousands miles Vehicle Journey to popularizing Heat Pump"

2009

Initiated the 1st Distributor Summit in Lishui City

2008

Obtained the Heat Pump production license, Obtained ISO9001, ISO14001

2007

Installed first assembly line

2006

OUTES founded

HONOR



ISO9001



ISO14001



ISO45001



CNAS



BV



TUV



Certificate for Recommended Products of Green & Energy-Saving



A Cooperative Partner of China Space

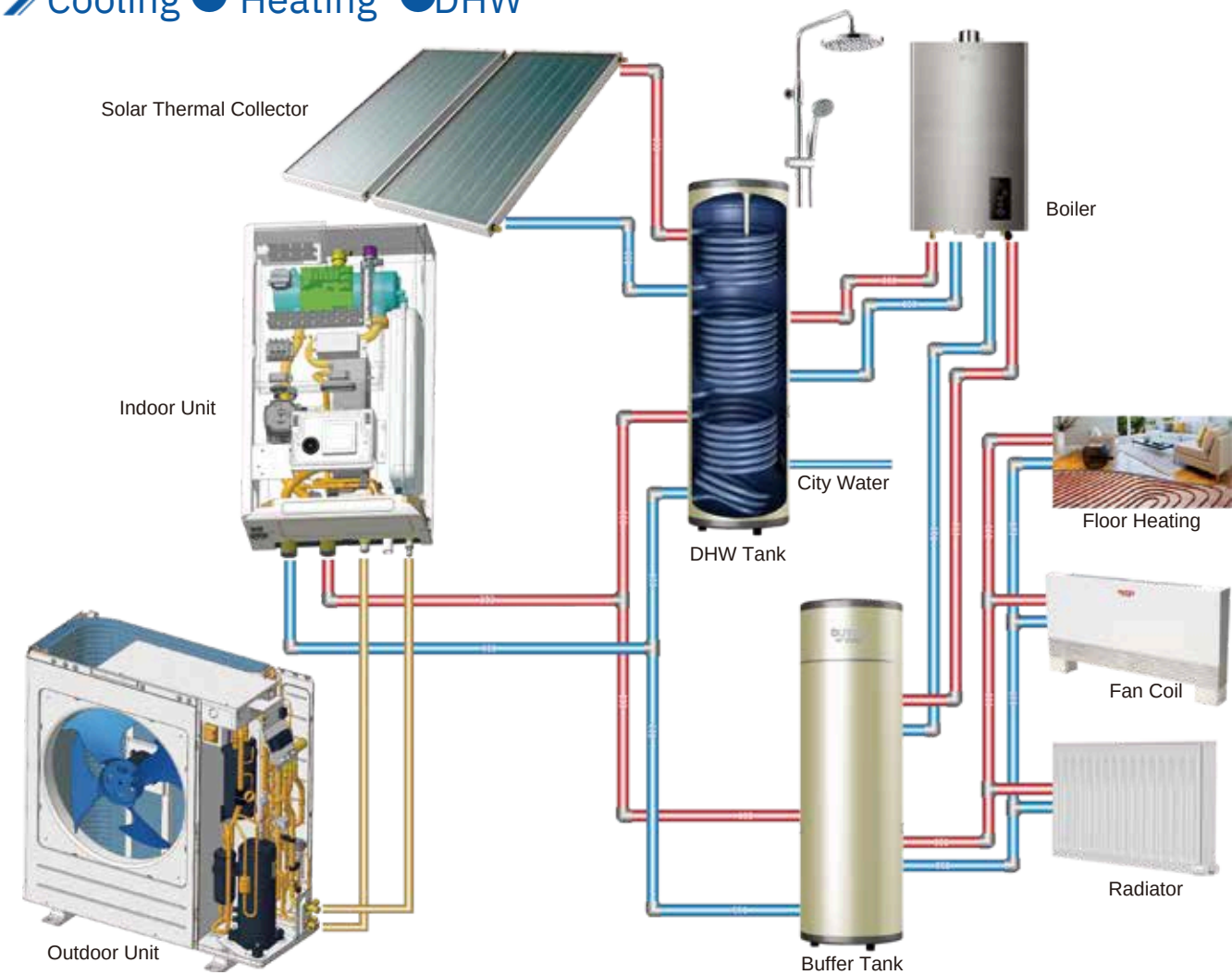


Heating · Cooling · Hot Water Heat Pump

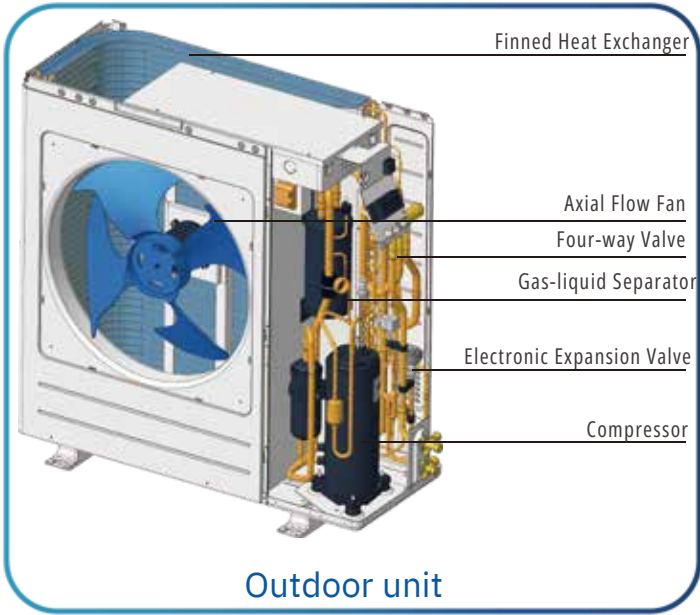
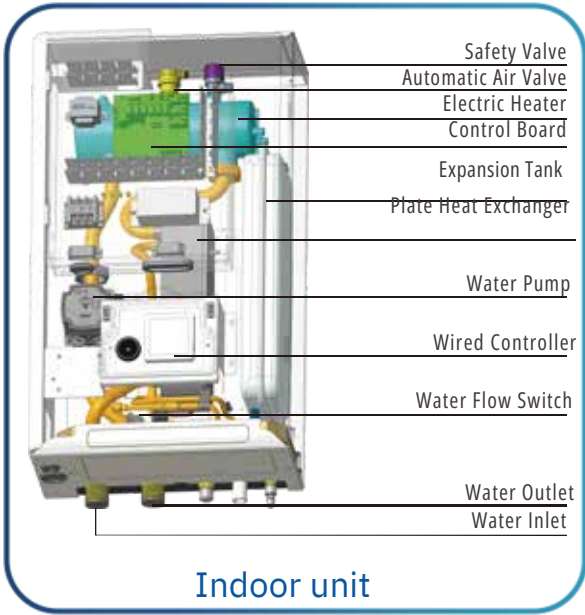


Split House Heating Heat Pump System

» Cooling ● Heating ● DHW



» Structure



Noted:Reference only

Split Type-R32



APP
Long-distance Intelligent Control

Model			4KW	6KW	8KW	10KW
Power Supply		/	220V~240V/1N/50Hz	220V~240V/1N/50Hz	220V~240V/1N/50Hz	220V~240V/1N/50Hz
Heating*	Max. Heating Capacity	kW	4.2	6.4	8.0	10.0
	(A7°C/W35°C)					
Heating**	Max. Heating Capacity	kW	4.4	6.0	7.5	9.5
	(A7°C/W55°C)					
Cooling	Max. Cooling Capacity	kW	4.7	7.0	7.45	8.2
	(A35°C/W7°C)					
Outdoor Unit	Compressor	/	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
	Noise(Sound Power Level)	dB(A)	≤56	≤58	≤59	≤60
	Net Weight	kg	62	62	78	78
	Net Dimension((L×W×H)	mm	1045×405×770	1045×405×770	995×390×1015	995×390×1015
	Packing Dimension(L×W×H)	mm	1170×520×890	1170×520×890	1145×510×1160	1145×510×1160
Indoor Unit	Heat Exchanger	/	Plate	Plate	Plate	Plate
	Electric Heater	kW	3	3	3	3
	Rated Water Flow	m3/h	0.72	1.1	1.38	1.72
	Noise(Sound Power Level)	dB(A)	≤40	≤40	≤42	≤42
	Net Weight	kg	41	41	42	42
	Net Dimension(L×W×H)	mm	470×790×270	470×790×270	470×790×270	470×790×270
	Packing Dimension(L×W×H)	mm	550×960×340	550×960×340	550×960×340	550×960×340
Max. Water Outlet Temperature		°C	60	60	60	60
Range of Working Operation		°C	-25~46	-25~46	-25~46	-25~46
Refrigerant		/	R32	R32	R32	R32
ERP Level (35°C)		/	A+++	A+++	A+++	A+++
ERP Level (55°C)		/	A++	A++	A++	A++
Container Loading (20'/40'H)		Sets	44/92/104	44/92/104	44/92/104	34/74/75

Remark:
1.Testing Condition : Heating*: Ambient Temp.(DB/WB):7°C/6°C, Water Temp.(In/Out):30°C/35°C.
Heating**: Ambient Temp.(DB/WB):7 °C /6 °C , Water Temp. (In/Out):47°C/55°C. Cooling : Ambient Temp.(DB/WB):35°C/24°C, Water Temp.(In/Out):12°C/7°C.
2.The above data test Temperature:EN14511:2011,EN12102:2008,(EU) No 811:2013,(EU) No 813:2013.
3.The data above is only for reference, and might be changed without prior notice.



4-6kW 8-16kW

12KW	14KW	16KW	12KW	14KW	16KW
220V~240V/1N/50Hz	220V~240V/1N/50Hz	220V~240V/1N/50Hz	380V~415V/3N/50Hz	380V~415V/3N/50Hz	380V~415V/3N/50Hz
12.1	14.5	16.0	12.1	14.5	16.0
2.44	2.99	3.44	2.44	2.99	3.44
11.9	13.8	16.0	11.9	13.8	16.0
3.84	4.60	5.52	3.84	4.60	5.52
11.5	12.4	14.0	11.5	12.4	14.0
4.04	4.35	5.49	4.04	4.35	5.49
Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
≤64	≤65	≤68	≤64	≤65	≤68
95	95	95	105	105	105
995×390×1015	995×390×1015	995×390×1015	995×390×1015	995×390×1015	995×390×1015
1145×510×1160	1145×510×1160	1145×510×1160	1145×510×1160	1145×510×1160	1145×510×1160
Plate	Plate	Plate	Plate	Plate	Plate
3	3	3	9	9	9
2.08	2.49	2.73	2.08	2.49	2.73
≤43	≤43	≤43	≤43	≤43	≤43
48	48	48	48	48	48
470×790×270	470×790×270	470×790×270	470×790×270	470×790×270	470×790×270
550×960×340	550×960×340	550×960×340	550×960×340	550×960×340	550×960×340
60	60	60	60	60	60
-25~46	-25~46	-25~46	-25~46	-25~46	-25~46
R32	R32	R32	R32	R32	R32
A+++	A+++	A+++	A+++	A+++	A+++
A++	A++	A++	A++	A++	A++
34/74/75	34/74/75	34/74/75	34/74/75	34/74/75	34/74/75