

PHNXX

2022

DOMESTIC HOT WATER HEAT PUMP



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V202011DH01

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About PHNIX

PHNIX is one of the largest Heat Pump manufacturers in China, who provides users with integrated energy-saving solutions and products, including Residential and Commercial Heat Pump Water Heaters, House Heating & Cooling Heat Pumps and Swimming Pool Heat Pumps.

PHNIX dedicates itself to being a reliable partner and building the highest quality standards to make its products stable and safe. PHNIX products are always at the forefront of energy efficiency.

With more than 413 national patents covering heat pump applications and heat pump technologies, PHNIX commits itself to technological excellence.

As an international enterprise, PHNIX attaches great importance to overseas markets, exporting more than 50% of its products to Europe, Australia, South Africa, North America, South America, the Middle East, and other regions.

Market Overview

Europe



America



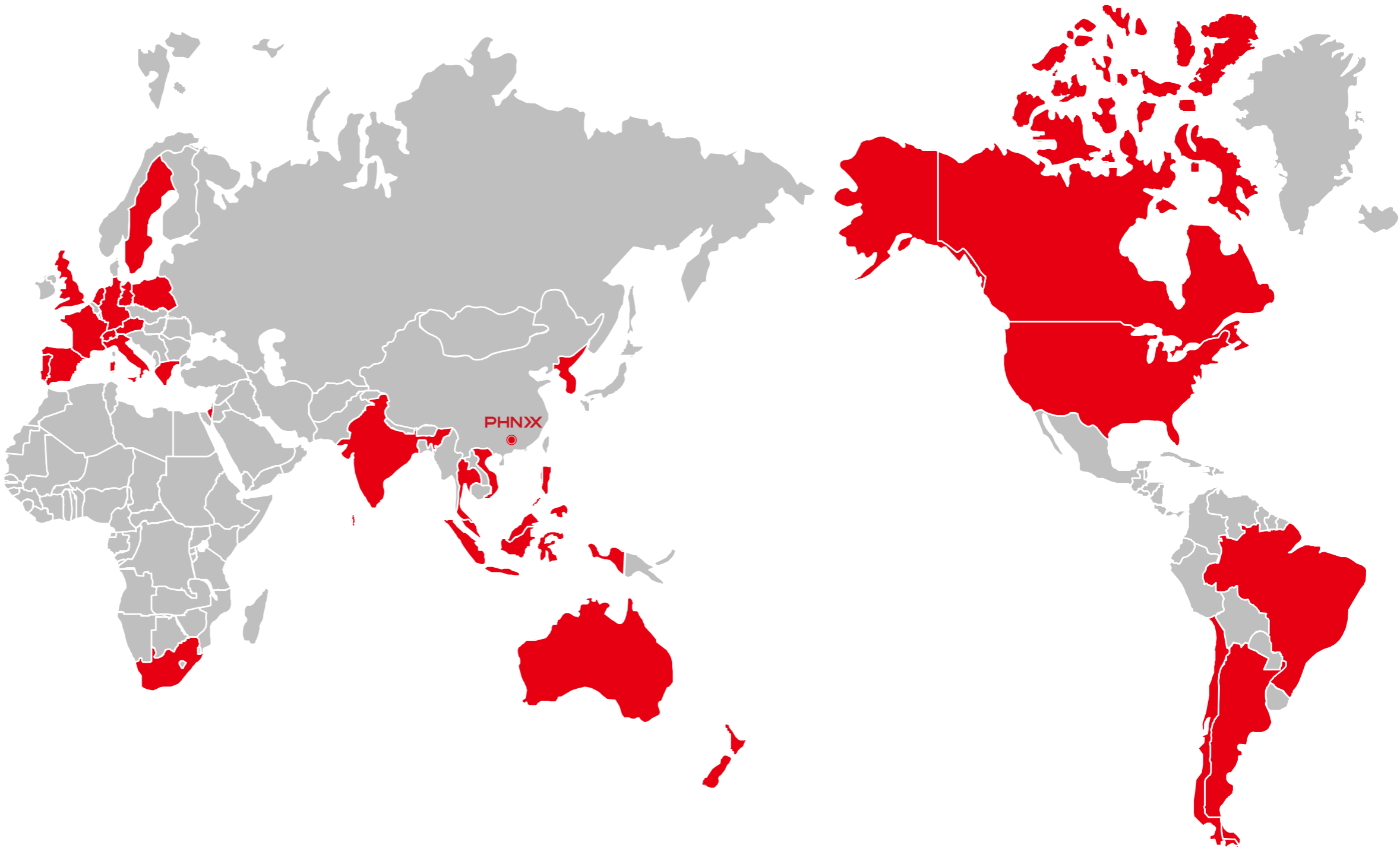
Oceania



Asia



Africa



Equipment



Foaming Machine



Automatic Packer



Folding Machine



Bending Machine



AGV Automated Transport System



General Assembly Line

Production Technology

From 2005, PHNIX had started transforming the structure of the factory and focusing on building automatic intelligence technology into the production process. Up to now, the production process has involved multiple automatic devices including Copper Pipe Cutter, Pipe Bender Robot, Automated Vacuum Circulatory System, Robotic Palletization and Packaging, AGV and so on. Over 30% of PHNIX' s manufacturing process applies automatic devices.

Laboratory

Noise Laboratory

Operating noise control has always been one of the important product development pursuits of PHNIX. To this end, We have established a high-specification noise test laboratory to continuously reduce the operating noise of the product and to create a high quality of life for our customers.



Vibration Laboratory

Long-time and long-distance transportation is a trial for product quality. According to the high demand for assembly technology and rigorous assembly process, PHNIX will strictly test the vibration resistance of the products before leaving the factory to ensure the quality of the goods received by customers.



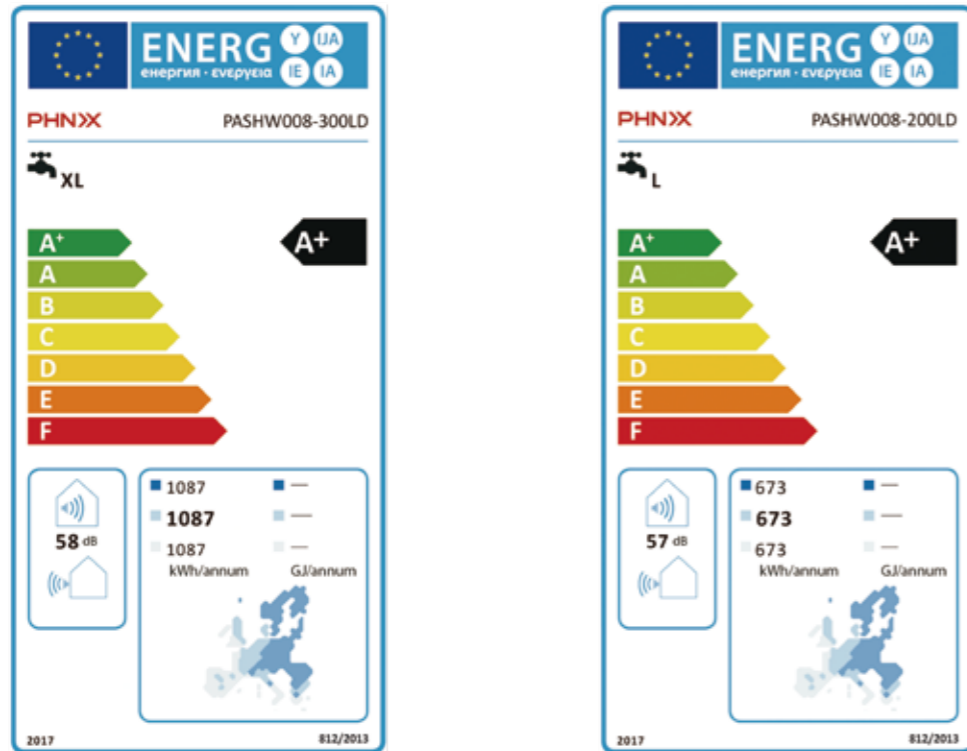
Cryogenic Laboratory

PHNIX's cryogenic laboratory can realistically simulate ambient temperatures as low as -45 °C. Only products that pass the cryogenic stable operation test can be confidently handed over to customers.



A++ Energy Label

PHNIX has always adhered to the goal of energy saving. The highest energy efficiency level of PHNIX water heaters can reach the EU Energy Efficiency A++ Level, which ensures that users can get a better experience at a lower cost.



Water heating energy efficiency classes of water heaters, categorised by declared load profiles, η_{wh} in %

	L	XL
A+	$115 \leq \eta_{wh} < 150$	$123 \leq \eta_{wh} < 160$
A	$75 \leq \eta_{wh} < 115$	$80 \leq \eta_{wh} < 123$
B	$50 \leq \eta_{wh} < 75$	$55 \leq \eta_{wh} < 80$
C	$37 \leq \eta_{wh} < 50$	$38 \leq \eta_{wh} < 55$
D	$34 \leq \eta_{wh} < 37$	$35 \leq \eta_{wh} < 38$
E	$30 \leq \eta_{wh} < 34$	$30 \leq \eta_{wh} < 35$
F	$27 \leq \eta_{wh} < 30$	$27 \leq \eta_{wh} < 30$

Cooperative Partner

Heat pump technology is our core strength. PHNIX focuses on technological research and development, adopting the most appropriate components for every heat pump. PHNIX also values technical communications and collaboration with world-famous enterprises.



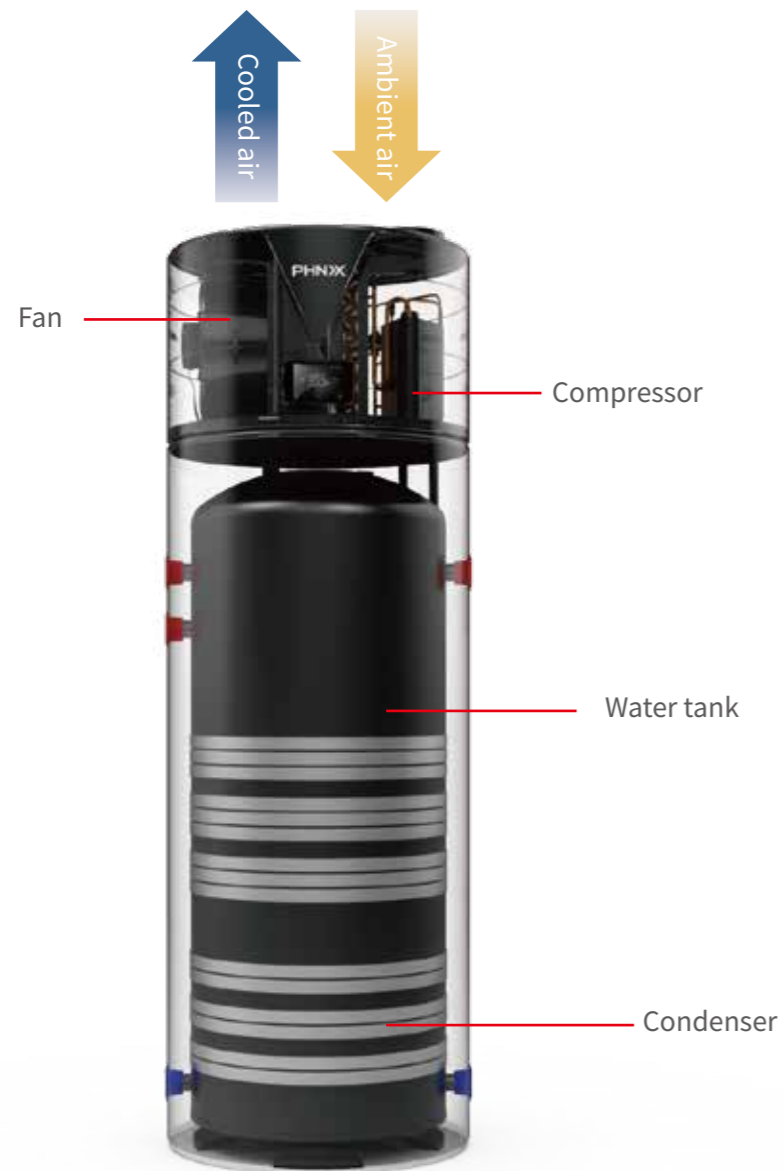
Certification

In each of its operational services, PHNIX's top priority is to ensure the reliability and quality of its products and to meet the technical & professional certifications of overseas markets. As an international brand, PHNIX holds several international certifications, including CE, StandardMark, WaterMark, ETL, SAA, ERP, CB, and so on.



How does it work?

The heat pump water heater extracts energy from the air to supply sanitary hot water. It collects up to 75% of its energy in the air, while the rest is provided by electricity. The compressor is to transfer the energy from the air to the water via refrigerant, to heat the water according to your needs, and to deliver it to your house.



Always in control no matter where you are

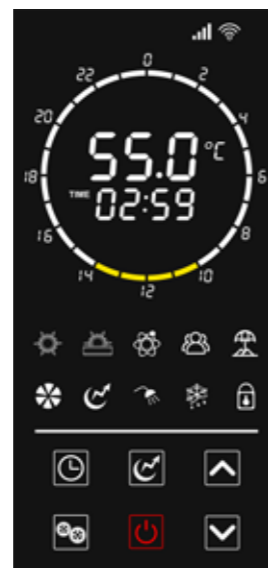
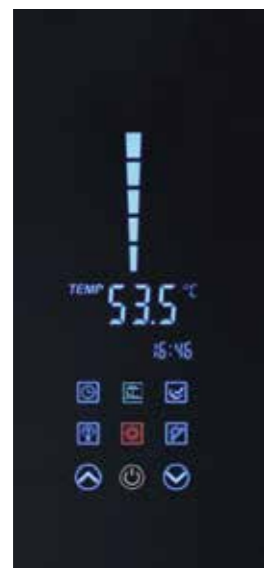


WiFi Module



DTU Module

Smart Display Family



PHNX New Smart Remote Control

PHNX innovatively designs the smart app - Hitemp for residential heat pump water heaters users. With two types of network connections for option, the WiFi and the 4G Cellular network, Hitemp highlights PHNX heat pump water heater in the market with a reliable specialty.



Various Running Modes

- Eco Mode
- Hybrid Mode
- Intelligent Mode
- Fast Heating Mode
- Vacation Mode

Multiple Extended Functions

- Temperature Control & Monitor
- History Temperature Curve
- Easy Family Share
- Direct Fault Report



PHNIX HEAT PUMP ADVANTAGES



Low Noise

All-in-one noise reduction design provides users a super quiet operation environment.



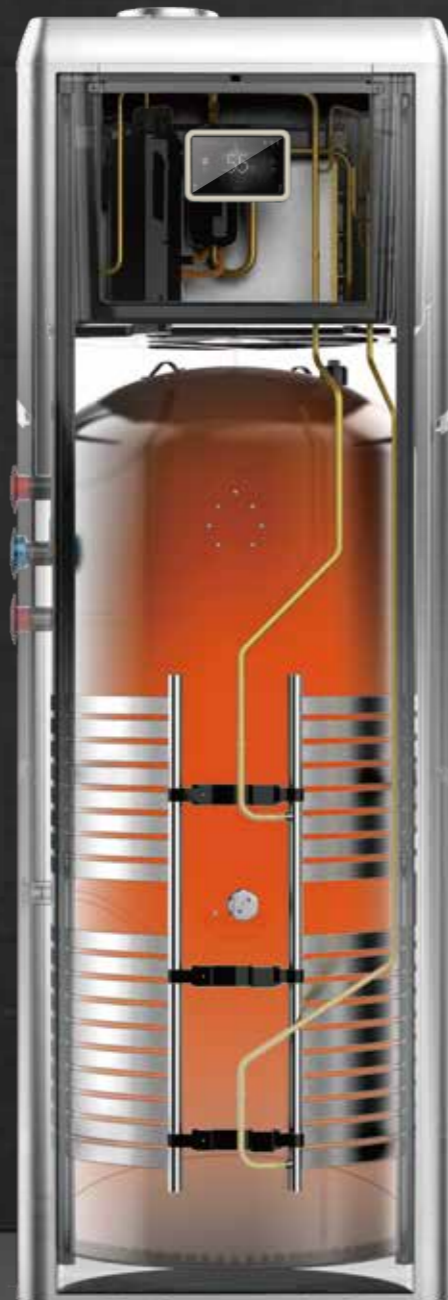
Full Inverter

PHNIX's full inverter technology ensures high efficiency, energy saving and good stability.



Micro-Channel Heat Coil

Micro-Channel heat coil greatly enlarges the available contact surface between inner water tank and heat coil thus enhance the performance of heat pump water heater. The unit with this kind of device can realize a COP level up to 3.2 based on EN16147 standard.



Intelligent Control

With an App on your phone, an easy click can bring you a comfortable shower as soon as you arrive at home.

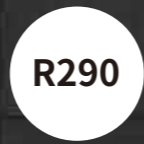


High COP

The heater uses PHNIX own patent double-side airflow cabinet which is proven to be highly efficient in heat exchange and outstandingly silent during operation.



R134a



R290

Refrigerant

The use of new environmentally friendly refrigerants, such as R134a, can ensure a good heating effect while reducing greenhouse gas.

ENERGY COST COMPARISON



75%
Energy Saving
COP ≥ 4.0

Air source water heater

- Low energy consumption
- 24 hours hot water supply
- No danger of electric leakage or air leakage;



Electric water heater

- Hidden danger of leakage
- Need to wait for heating
- Short service life
- Risk of excessive water temperature



Gas water heater

- Exhaust gas emissions
- Short service life
- Water temperature and water pressure fluctuate easily



PHNIX HEAT PUMP FAMILY





airExpert

HEAT PUMP WATER HEATER

A+

NEW



PARAMETER				
Model	/	AJ03-100-BWS	KJ06-200-APS	KJ06-300-APS
Volume	L	100	200	300
Rated Heating Capacity	kW	0.9	1.25	1.25
Power Supply	V/P/HZ	220-240V~/50HZ	220-240V~/50HZ	220-240V~/50HZ
COP(EN16147)7/6°C	W/W	3.0	3.0	3.0
Heating Time*	H	4.6	5.45	8.25
Refrigerant	/	R290	R290	R290
Electric Heater	kW	1.5	1.5	1.5
Noise	dB(A)	53.8	53.8	53.8
Operation Range	°C	-5~43	-5~43	-5~43
Water Outlet Temp. Range**	°C	38~60	38~60	38~60
Max. Water Outlet Temp.	°C	75	75	75
Net Weight	kg	68	98	112
Net Dimension	mm	φ560×1127	φ640×1532	φ640×1867

*Testing condition is ambient temp DB/WB 7°C/6°C, water inlet/outlet is 15°C/55°C;
**Heat pump only;

airExpert

R290 Refrigerant

A zero ODP value and an extremely low GWP value mean that there is no negative impact on the ozone layer. That's what makes propane an environmentally friendly refrigerant, which also maintains the good working performance of heat pump units.



Detachable Top Cover

With a split design, airExpert can be easily disassembled. It's quite convenient for after-sale service.



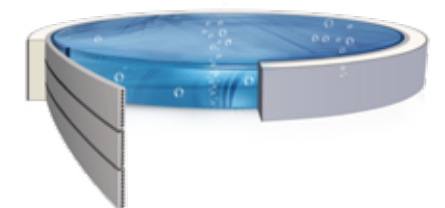
Color Touch Screen

The clear UI not only allows the user to freely set the water temperature and the running mode but also to check the temperature curve to know about the unit's working condition at any time.



Micro-Channel

The R290 series uses Micro-Channel, which makes it more energy-efficient.



DC Fan

the brush-less DC motor is quieter than a conventional AC motor.





airInverter

HEAT PUMP WATER HEATER

A++



KB

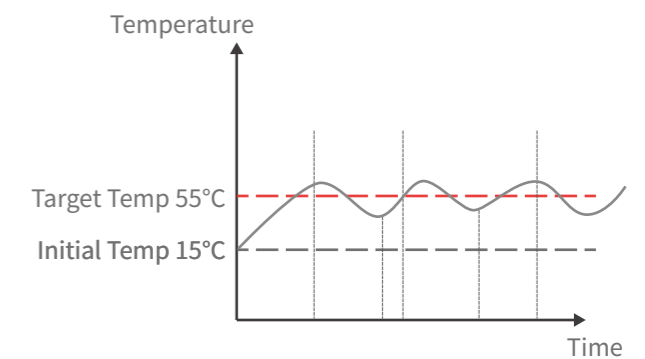
PARAMETER		
Model	/	PASHW008-300LD-KB
Volume	L	300
Rated Heating Capacity	kW	2.3
Power Supply	V/P/HZ	230V~/50HZ
COP(EN16147)20/15°C	W/W	4.6
Heating Time*	H	5.8
Refrigerant	/	R134a
Electric Heater	kW	1.5
Noise	dB(A)	45
Operation Range	°C	-5~43
Water Outlet Temp. Range**	°C	38~60
Max. Water Outlet Temp.	°C	75
Net Weight	kg	150
Net Dimension	mm	640×652×1819

*Testing condition is ambient temp DB/WB 20°C/15°C, water inlet/outlet is 15°C/55°C;
 **Heat pump only;
 ***The 200L model is still in testing, temporarily not ready for sale;

airInverter

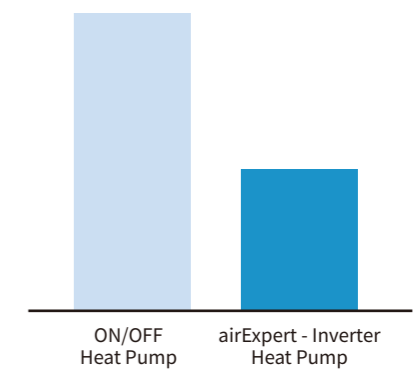
Full Inverter

With the help of core inverter technology, the unit can intelligently adapt its running frequency to the most suitable one according to the real-time ambient temperature and water temperature, so as to heat the water to the target temperature in a short time.



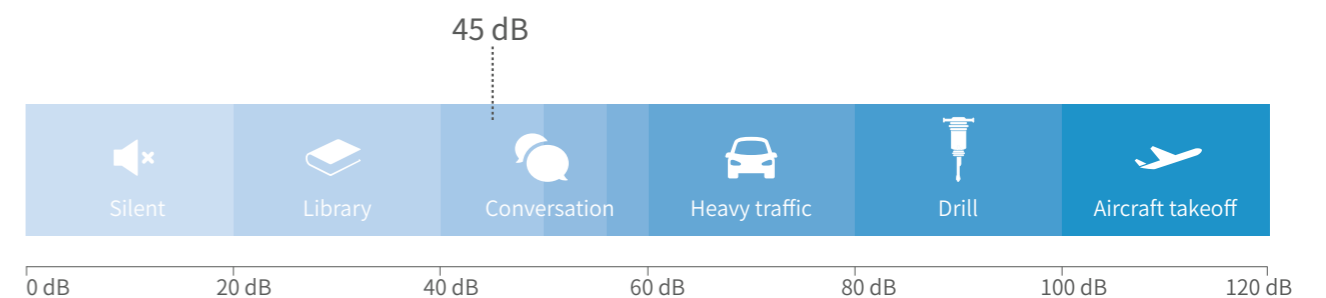
Energy Saving

Compare to the ON/OFF heaters, the inverter heater can save more than 50% power in the daily running. Consumers can enjoy fast water heating and energy saving at the same time.



Low Noise

A fully enclosed cabinet is specially designed for the compressor so that the running noise can be kept inside, and the noise of the whole unit can maintain extremely low.



Titan

HEAT PUMP WATER HEATER



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Titan - KP

PARAMETER		
Model	/	PASHW020-315LD-KP
Volume	L	315
Rated Heating Capacity	kW	6.0
Power Supply	V/P/HZ	240V~/52HZ
COP(20/15°C)	W/W	4.11
Heating Time*	H	2.67
Refrigerant	/	R134a
Electric Heater	kW	1.5
Noise	dB(A)	52
Operation Range	°C	-5~43
Water Outlet Temp. Range**	°C	38~60
Max. Water Outlet Temp.	°C	75
Net Weight	kg	157
Net Dimension	mm	φ640×2410

*Testing condition is ambient temp DB/WB 20°C/15°C, water inlet/outlet is 15°C/55°C;
 **Heat pump only;

Titan

Heating Capacity 11kW

Compared with the ordinary all-in-one hot water heat pump, Titan is more powerful to supply continuous hot water for light commercial projects, such as hotel, resort, villa and office block. With the 11kW high heating capacity and 315L big water tank, Titan can ensure a stable and fast hot water supply all year round for commercial occasions.



DTU/centralized Control

The fault report function allows a direct error reporting channel to the local service provider. When an error is reported, the service provider can see the error information of the target heater from the background system, and contact users immediately to offer help.



EPP Material

With EPP soundproofing foam, Titan can effectively reduce its noise.



Premier

HEAT PUMP WATER HEATER

- ▶ Enamel water tank
- ▶ The maximum outlet water temperature 75°C
- ▶ Customizable appearance



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Premier - NO

PARAMETER			
Model	/	PASHW008-150LD-KE	PASHW015-270LD-NO
Volume	L	150	270
Rated Heating Capacity	kW	1.7	3.6
Power Supply	V/P/HZ	240V~/50HZ	240V~/50HZ
COP(20/15°C)	W/W	3.95	3.83
Heating Time*	H	4.1	3.48
Refrigerant	/	R134a	R134a
Electric Heater	kW	1.5	1.5
Noise	dB(A)	45	48
Operation Range	°C	-5~43	-5~43
Water Outlet Temp. Range**	°C	38~60	38~60
Max. Water Outlet Temp.	°C	75	75
Net Weight	kg	91	130
Net Dimension	mm	φ560×1664	φ640×2002

*Testing condition is ambient temp DB/WB 20°C/15°C, water inlet/outlet is 15°C/55°C;
**Heat pump only;

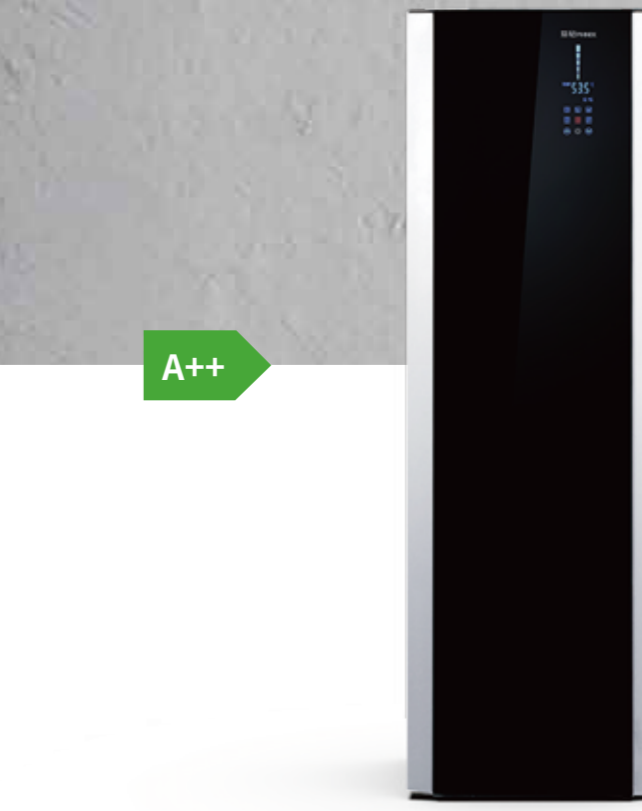


A++

Premier - P

PARAMETER				
Model	/	PASHW010-200L-P	PASHW010-300LD-P	PASHW015-300LD-P
Volume	L	200	300	300
Rated Heating Capacity	kW	2.5	2.5	3.3
Power Supply	V/P/HZ	230V~/50HZ	230V~/50HZ	230V~/50HZ
COP(EN16147)20/15°C	W/W	3.666	3.749	3.079
Heating Time*	H	3.55	5.31	3.91
Refrigerant	/	R134a	R134a	R134a
Electric Heater	kW	1.5	1.5	1.5
Noise	dB(A)	45	45	48
Operation Range	°C	-5~43	-5~43	-5~43
Water Outlet Temp. Range**	°C	38~60	38~60	38~60
Max. Water Outlet Temp.	°C	60	60	60
Net Weight	kg	122	149	125
Net Dimension	mm	φ566×1785	φ648×1891	φ648×2006

*Testing condition is ambient temp DB/WB 20°C/15°C, water inlet/outlet is 15°C/55°C;
**Heat pump only;



A++

Premier - T

PARAMETER			
Model	/	PASHW008-200LD-T	PASHW008-300LD-T
Volume	L	200	300
Rated Heating Capacity	kW	1.8	1.8
Power Supply	V/P/HZ	230V~/50HZ	230V~/50HZ
COP(EN16147)20/15°C	W/W	3.143	3.146
Heating Time*	H	4.76	7.03
Refrigerant	/	R134a	R134a
Electric Heater	kW	1.5	1.5
Noise	dB(A)	45	45
Operation Range	°C	-5~43	-5~43
Water Outlet Temp. Range**	°C	38~60	38~60
Max. Water Outlet Temp.	°C	60	60
Net Weight	kg	115	122
Net Dimension	mm	560×570×1731	642×642×1820

*Testing condition is ambient temp DB/WB 20°C/15°C, water inlet/outlet is 15°C/55°C;
**Heat pump only;



Eco HEAT PUMP WATER HEATER

A++



PARAMETER

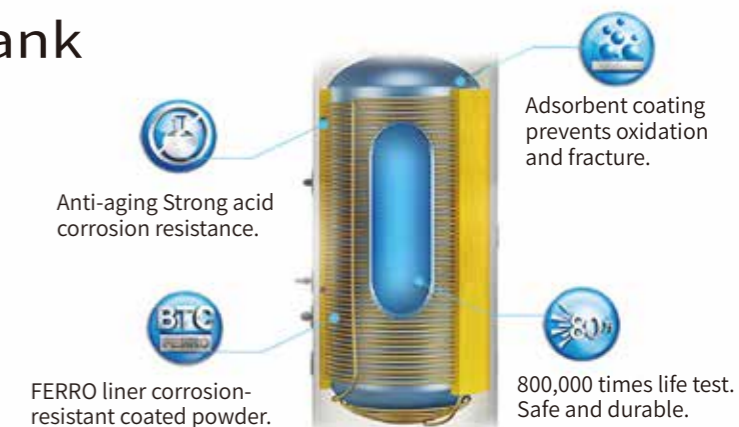
Model	/	PASHW006-150LD-NI	PASHW006-180LD-NI	PASHW008-200LD-J	PASHW008-300LD-J
Volume	L	150	180	200	300
Rated Heating Capacity	kW	1.65	1.65	1.8	1.8
Power Supply	V/P/HZ	220-240V~/50HZ	220-240V~/50HZ	230-240V~/50HZ	230V~/50HZ
COP(EN16147)20/15°C	W/W	3.45	3.6	3.572	3.715
Heating Time*	H	4.3	4.3	4.76	7.03
Refrigerant	/	R134a	R134a	R134a	R134a
Electric Heater	kW	1.5	1.5	1.5	1.5
Noise	dB(A)	43	43	43	45
Operation Range	°C	-5~43	-5~43	-5~43	-5~43
Water Outlet Temp. Range**	°C	38~60	38~60	38~60	38~60
Max. Water Outlet Temp.	°C	60	60	60	60
Net Weight	kg	83	88	112	135
Net Dimension	mm	φ520×1705	φ520×1920	φ560×1757	φ648×1842

*Testing condition is ambient temp DB/WB 20°C/15°C, water inlet/outlet is 15°C/55°C;
**Heat pump only;

Eco

High Quality Water Tank

From the inside to the outside, the water tank is made of safe and durable materials to ensure long service life.



Easy to Operate

equipped with a simple and clear controller, even the elderly and children can easily manage it.



Fast Installation

Monobloc design with no outdoor unit, so users just need to find a corner in the house, the water heater can be securely placed.



airBlock

- ▶ Removable remote controller
- ▶ Equipped with a Wilo water pump
- ▶ Supports matching different external water tanks



airSplit HEAT PUMP WATER HEATER

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airBlock - XI

PARAMETER

Model	/	PASHW010B-XI	PASHW020B-XI
Rated Heating Capacity	kW	3.8	6.8
Power Supply	V/P/HZ	230V~/50HZ	230V~/50HZ
COP(EN16147)20/15°C	W/W	4.18	4.12
Refrigerant	/	R410a	R410a
Noise	dB(A)	50	59
Operation Range	°C	-7~43	-7~43
Water Outlet Temp. Range**	°C	38~55	38~55
Net Weight	kg	49	69
Net Dimension	mm	892×345×605	936×375×605

*Testing condition is ambient temp DB/WB 20°C/15°C, water inlet/outlet is 15°C/55°C;
**Heat pump only;

A++



airSplit - BA

PARAMETER

Model	/	PASHW-BA
Rated Heating Capacity	kW	3.5
Power Supply	V/P/HZ	230V~/50HZ
COP(20/15°C)	W/W	4.2
Refrigerant	/	R410a
Noise	dB(A)	52
Operation Range	°C	-15°C ~ 43°C
Water Outlet Temp. Range**	°C	38~60
Net Weight	kg	69
Net Dimension	mm	800×400×600
Net Dimension	mm	φ560×1900

*Testing condition is ambient temp DB/WB 20°C/15°C, water inlet/outlet is 15°C/55°C;
**Heat pump only;
***This model is still in testing, temporarily not ready for sale;



airTop

HEAT PUMP WATER HEATER

A++



airTop - TP



airTop - KJ



airTop - NI

airTOP

Better Shipping Costs

Due to the small size, the top-kits loading quantity will be much more than the all-in-one units. A 40HQ container can hold 192 units in total, which greatly lowers your freight per unit.



Diversified airTop



Diversified airTop can be matched with your local water tank. PHNIX offers the top-Kits with different appearances and a wide operating range from 0.9kW to 6kW. Meanwhile, It embodies the OEM business in PHNIX, you can create your own heat pump water heater based on your own needs and preferences.

MILESTONE

2002

Foundation



2009

Becoming #1 exporter of swimming pool heat pumps



2012

Becoming a leading enterprise in printing dryer industry



2015

Dagang Factory Built up



2018

• New VI, New Start

PHNXX

2020

Wuhu Factory Built up



2022

To be Expected!

2008

First National High & NewTechnology Enterprises



2010

O2O business



2013

Nansha Factory Built up



2016

• Loaded on China New OTC Market (stock code: 836716)

• 80edays challenge



2019

Europe Service Center Built up



2021

R290 Series of Unit

