



HETAPRO AIR-TO-WATER HEAT PUMP CATALOG



2025



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ECO Solution



Use the power of **nature** Inspire hope for a greener **future**



ABOUT HETAPRO HVAC

Foshan Hetapro HVAC Equipment Co., Ltd. is one of the High-end heat pump solution provider in China. Hetapro HVAC is mainly responsible for the production, R&D and sales of heat pump water heaters, modular chillers, and high-temperature commercial heat pumps. The factory base is located in Huangpu Industrial Zone, Guangzhou, Guangdong, with a superior geographical location. The factory covers an area of 40000 square meters and consists of four large production workshops, four heat pump test laboratories, two grant warehouses with loading and unloading platforms.

With the support from Devotion Group, Hetapro heat pump has achieved rapid development in recent years. It has successively launched the heat pump Thermax series, includes R32 Cooling heating and DHW heat pump with both split and monoblock type, R290 monoblock heat pump with 75°C hot water ; also the R32 DC inverter swimming pool Poolar series, as well as R32 DC inverter commercial hot water Commax series and R32 DC inverter modular chiller Vandin series, which have been recognized in the heating field of business globally.



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CE Certified



EMC Certified



MCS Certified



RoHS Certified



Smart Grid Ready



Keymark Certified



ERP Energy Labeling

Contents

About Devotion & Hetapro.....01

Contents.....02

What is a heat pump?.....03

How a heat pump works?.....04

Product overview: Mr. Hybrid Series.....05

Product overview: HeatiX Series.....06

Product overview: ThermaX Series.....07

Product overview: Poolar Series.....08

ATW Heat Pump Features.....11

Specifications: Mr. Hybrid Series.....21

Specifications: HeatiX Series.....22

Specifications: ThermaX Series.....23

Specifications: System Applications.....25

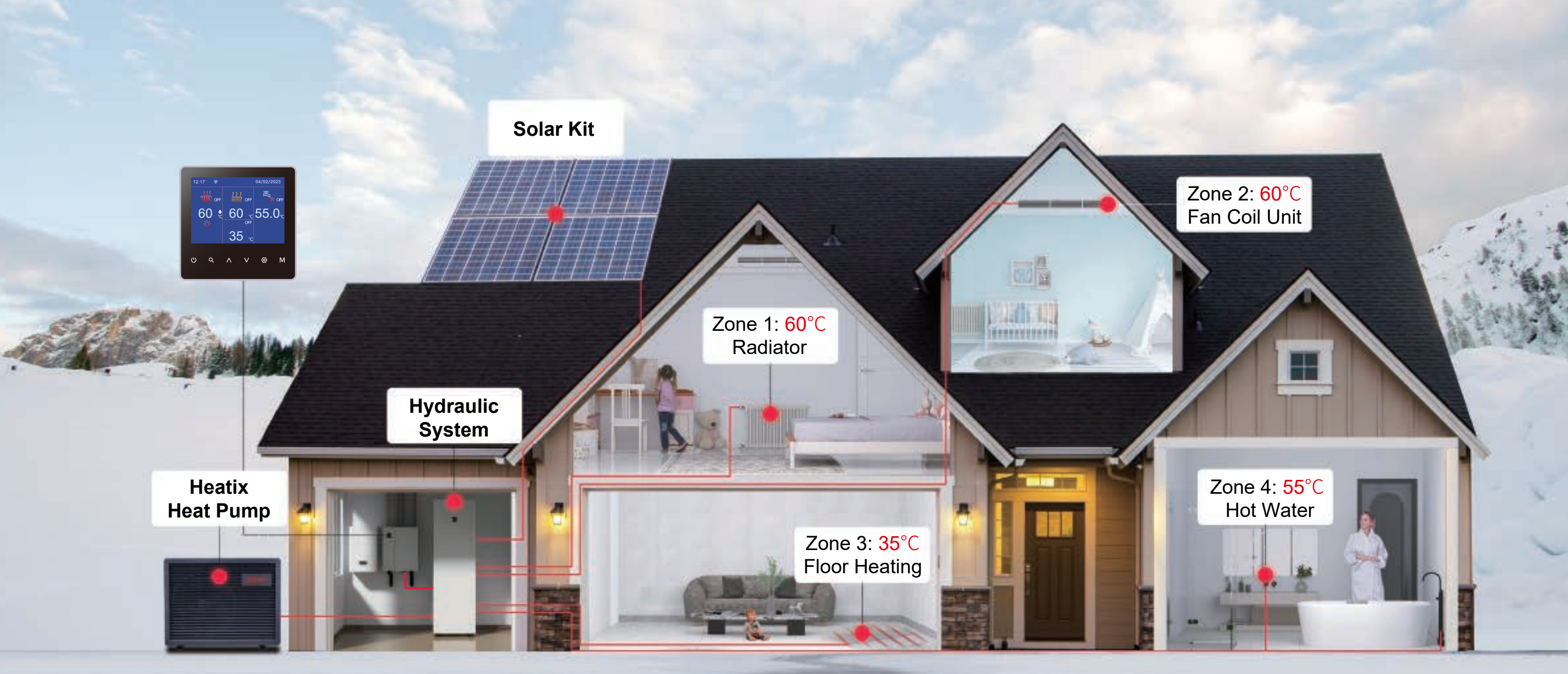
Pool Heat Pump Features.....27

Specifications: Poolar Series.....28

Hydro Split Water System Features.....31

Specifications: Hydro Split.....33

HonX R290 All-in-One Water Heater Features.....35



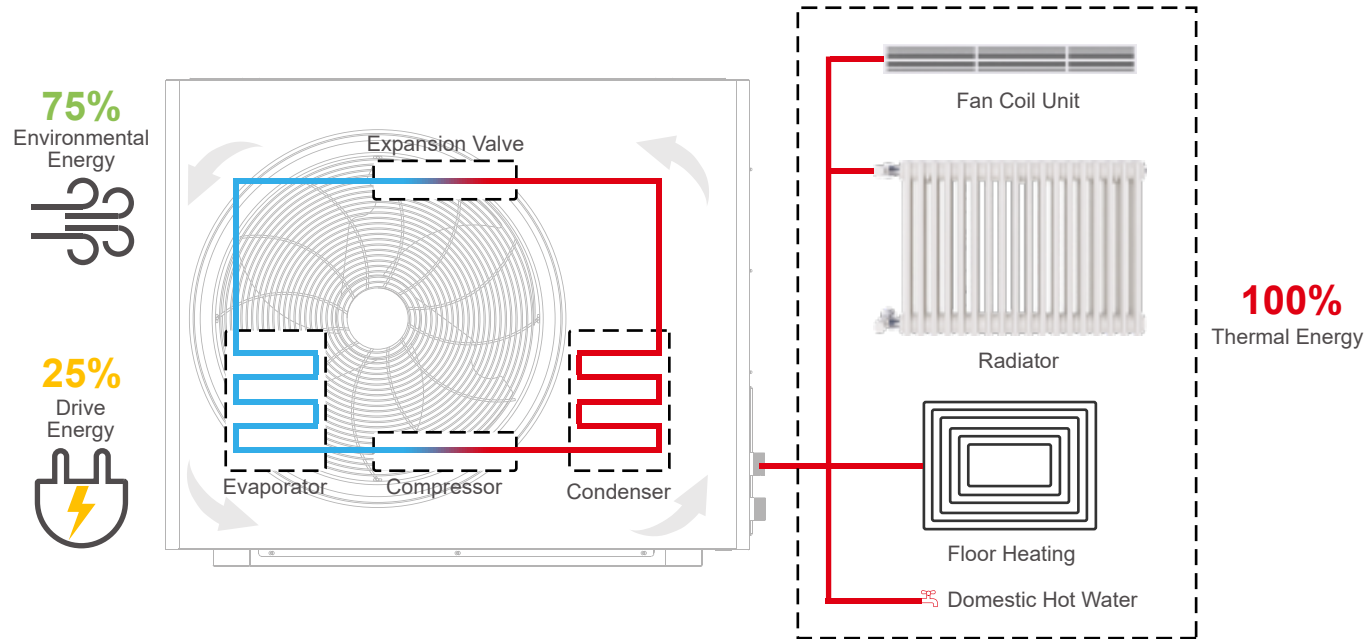
What is a Heat Pump?

Heat pump water heater is a kind of high-efficiency and energy-saving hot water equipment. It adopts advanced heat pump technology to convert low-temperature heat in the air into high-temperature heat energy, and provides users with a large amount of constant-temperature hot water. Heat pump water heaters bring comfort and convenience to your life.

Hetapro Thermax Heat Pump

Hetapro Thermax Air to Water Heat Pump is a sustainable, low-carbon heating solution for your home. While most other heating systems rely on fossil fuels, Hetapro utilizes renewable sources of energy to generate heat by combining 25% electricity and 75% outside air, making Thermax heat pump a green alternative to your old boiler.

How a Heat Pump works?



Products Overview

MR. HYBRID SERIES

Mr. Hybrid, the ultimate solution for efficient home climate control. By seamlessly integrating advanced heat pump technology with a gas boiler, Mr. Hybrid ensures optimal performance by dynamically switching between energy sources based on current conditions. This intelligent system provides consistent heating, cooling, and hot water while minimizing energy consumption and costs. Experience unparalleled comfort and efficiency with Mr. Hybrid's innovative approach to home climate management.



Indoor Wall Mounted R290 Hybrid Heat Pump



Featured Highlights

Natural Refrigerant

GMCC DC inverter compressor with R290 natural refrigerant(GWP=3)

A++

Energy efficiency (35°C) Up to A++

75°C(167°F)

Powerful heating with leaving water temp. up to 75°C

No F-Gas License Needed

Enjoy simplified installation with no special certification required

Quick Installation & Easy Maintenance

Simplified processes mean installers save time and resources

Space-Saving

Compact design eliminates outdoor units and piping for a clean, efficient setup

Products Overview

HEATIX SERIES

Hetapro's newest addition to its HEATIX heat pump line-up, the HEATIX Mono R290, offers a new home solution for residential homes. The HEATIX Mono R290 uses R290 as its refrigerant. R290 has a much lower Global Warming Potential (GWP) of only 3 when compared to other refrigerants R32 and R410A. According to the new EU F-Gas regulations, refrigerants must not exceed 150 GWP from 2025.



R290 MONO Heat Pump



7 / 9 / 13 / 15kW



18 / 21KW

Featured Highlights

GPW=3

R290 natural refrigerant has a lower Global Warming Potential (GWP) index than other gases. Specifically, the GWP usage of R290 refrigerant gas is 3 while R32 is 657, and R410A is 2088.

A+++

ErP level: A+++ (35°C)

-35°C(-31°F)

Continuous operation as cold as -35°C

80°C(176°F)

Powerful heating with leaving water temp. up to 80°C

DC Inverter Technology

DC Inverter Compressor, DC Inverter water pump, DC Inverter fan

PV Ready

Photovoltaic energy storage system (Optional)
The photovoltaic energy storage system(PESS) allows household roof to be covered with photovoltaic panels, turning solar energy into household electricity.

Products Overview

THERMAX SERIES

Introducing the Thermax R32 Monobloc—a compact, eco-friendly heat pump delivering efficient heating and cooling. With hot water heating up to 60°C, it operates seamlessly from -25°C to 43°C. Certified with ErP A+++ (35°C), it offers a modulation range of 8 to 16kW. Smart features include multi-zone control, remote management via Wi-Fi and 4G, and real-time power consumption monitoring.



R32 MONO Heat Pump



6 / 8 / 10 / 12 / 14 / 16KW

Featured Highlights

A+++
ErP level: A+++ (35°C)

-25°C(-13°F)
Continuous operation as cold as -25°C

60°C(140°F)
Powerful heating with leaving water temp.

R32 Split Heat Pump



6 / 8 / 10 / 12 / 14 / 16KW



18 / 20 / 22KW

POOLAR SERIES

The Poolar series is a flagship pool heat pump product under Hetapro. The Poolar series can cover swimming pools of 50-500 square meters, with single modules ranging from 7kw to 28kw.



R32 Pool Heat Pump



Featured Highlights

R32
GMCC R32 DC inverter Compressor

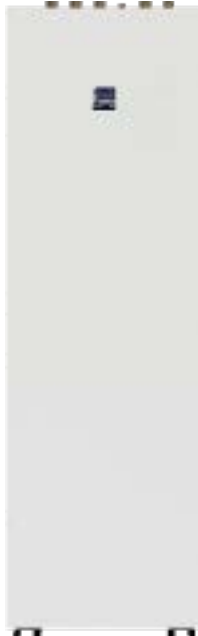
EEV
EEV control, precise and stable

Anti-Corrosion
Spiral titanium tube, high efficiency

HYDRO SPLIT SERIES

The Hydro Split is an all-in-one water system that includes a water tank, buffer tank, and expansion tank. This eliminates the need for separate water system installations, making it a convenient option for brand owners and distributors.

All-in-One Water System



Featured Highlights

Integrated Water System
Streamlined Installation, just connect the water pipe to use

150/200/250L
Domestic hot water tank

60/90L
Buffer tank

DC Inverter
12m DC Inverter Water Pump

Air to Water Heat Pump



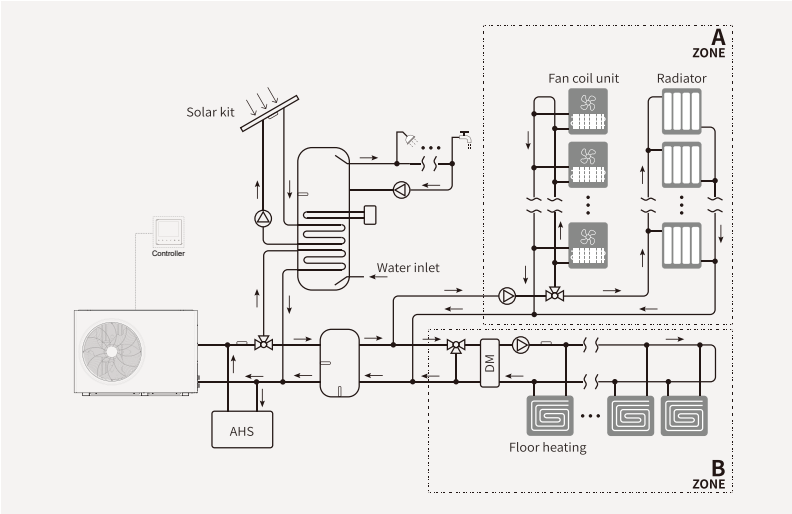
ATW Heat Pump Features

A one-page overview

Comprehensive HVAC Solution: Combining Heating, Cooling, and Hot Water

All in One Solution for Any Application

Thermax/Heatix air to water heat pump is not only supplies hot water for fan coil, floor heating system, domestic water tank, but is also compatible with the solar collector, gas furnace, boiler and other heat sources.



-35°C Reliable Operation 80°C Powerful Heating

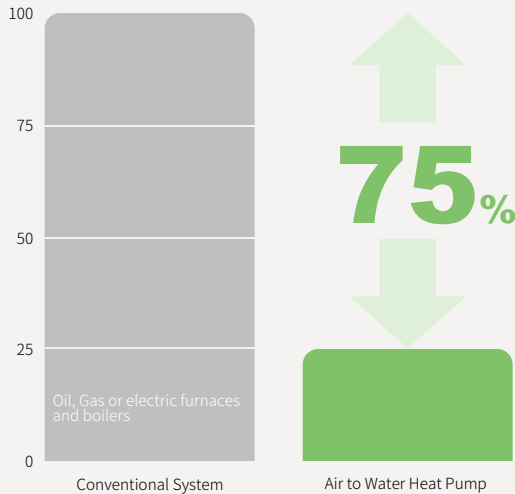
The Heatix R290 Series outperforms it by offering up to 80°C and functioning reliably at even -35°C.



-35°C

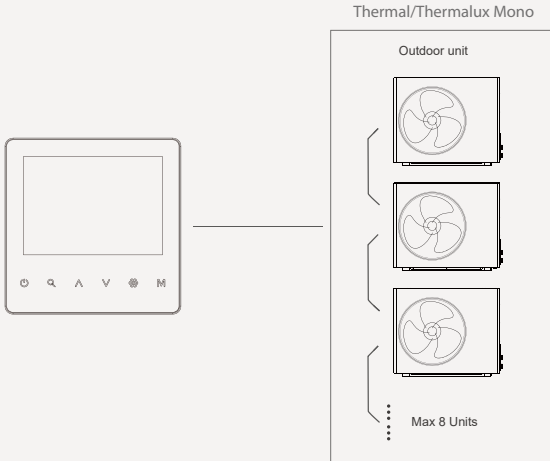


80°C



75% Energy Saving

The term "heat pump" refers to a technique that pumps heat from renewable energy sources, like the air, ground and water. A heat pump device transforms this energy into a usable heat source via the refrigerant cycle. With Heatix heat pump technology about 75% of the energy needed to provide heating and hot water comes from a natural air source.



8 Units in Parallel

Maximum 8 units controlled by one controller with automatic addressing(For Thermax series Mono and Thermalux series Mono)

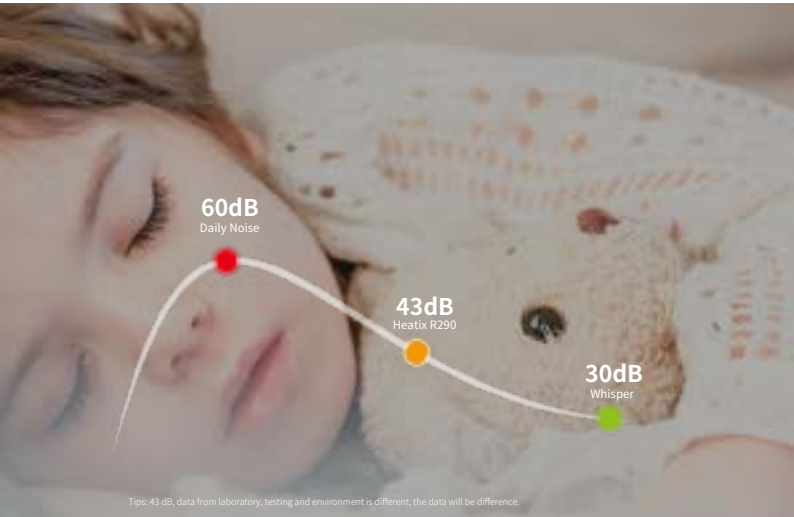
All DC Inverter Components

Heatix air to water heat pump machine adopts well-known brand components in the industry, such as GMCC/Toshiba DC inverter compressor, Panasonic/Toshiba DC inverter fan motor, SHIMGE DC inverter water pump, Heatwell PTC heater(Mono B Series), multi-stage electronic expansion valve components, which can make the unit operate efficiently and stably.



Ultra-Quiet

In silent mode, the operating noise of the equipment can be as low as 43dB(A) within 1 meter, providing customers with an ultra-quiet environment. The compressor is wrapped in a soundproof material, which reduces the operating noise of the compressor.



Multi-functional Controller



Holiday Mode

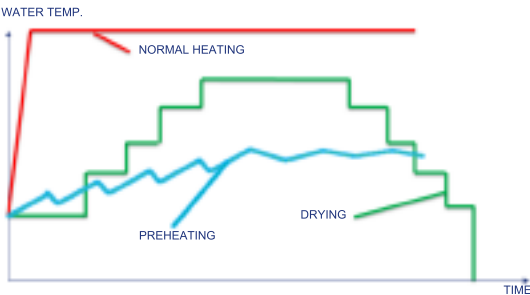


Just have fun!

Have peace of mind knowing that your home is being protected from potential damage caused by frozen pipes, while also saving on energy costs in an effective and safe way!



Floor Dry up



Preheating & Drying Floor

It gradually and evenly increases the temperature of the underfloor, avoiding warping or even cracking during the heating process by excessive moisture on the floor.

Neural Network



Intelligence Algorithms

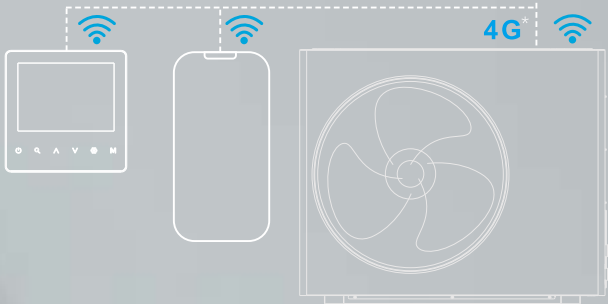
The defrosting logic of the machine is designed very intelligently, utilizing algorithms and learning through neural networks to continuously monitor changes in temperature difference in real-time to determine whether defrosting is necessary. It can operate continuously in winter, ensuring continuous hot water supply.

Triple Defrost Programmes

- AI Defrosting
- Segmented defrosting of fins
- Regular defrosting



IOT Cloud Service



Smart Connect Control Everywhere

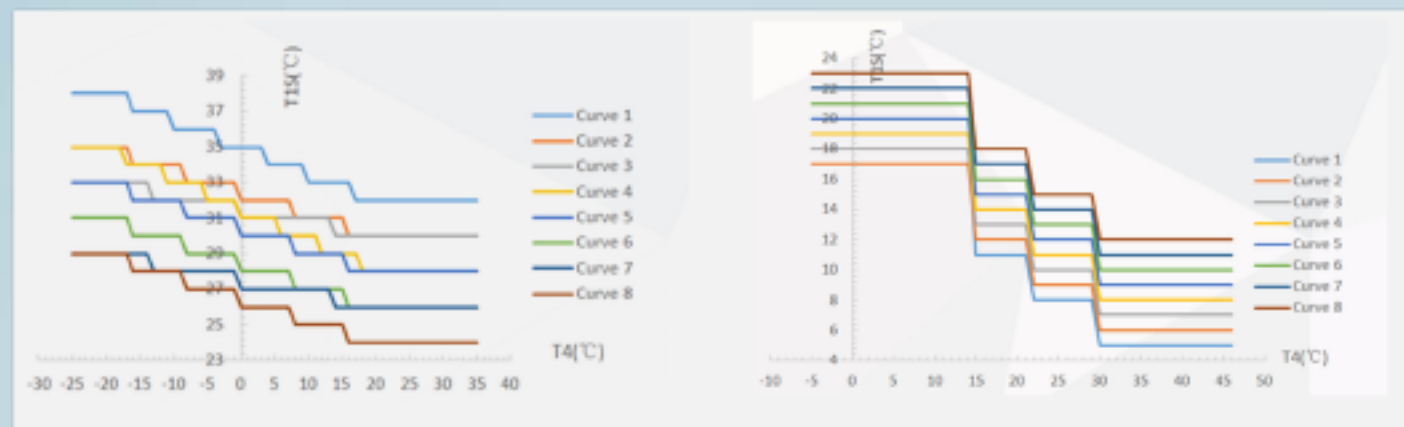
Remote control: control your device or equipment easily and freely
Multi-device support: multiple devices can be added at the same time, with one APP can control multiple devices
Precise timer: set timers to perform accurate timing tasks

*Tips: 4G function is optional





Intelligence Comfortable Temperature Manager



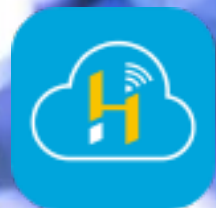
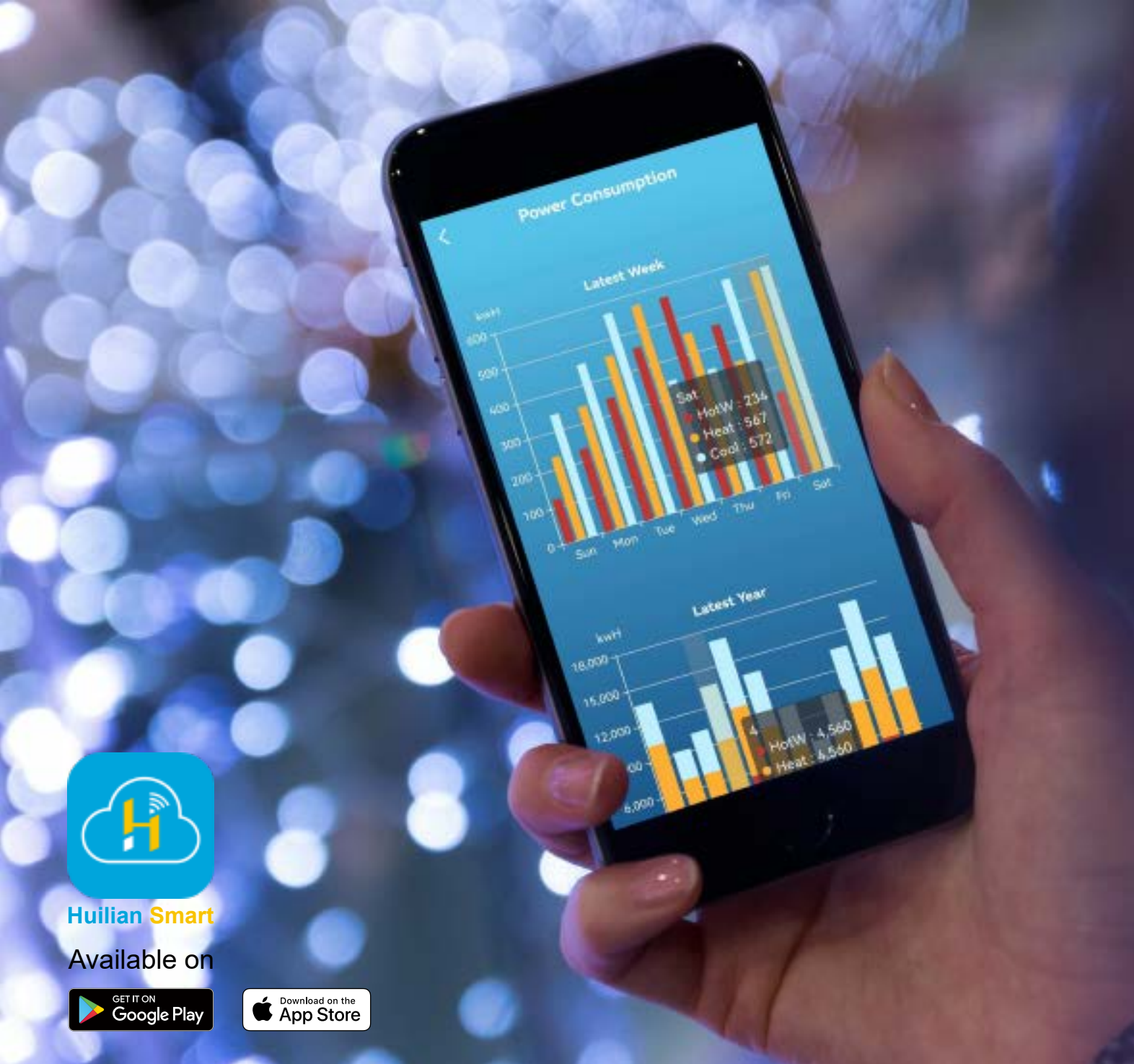
Heating Climate Curve

There are a total of 32 climate curves (16 cooling curves+16 heating curves) for users to choose from, and there are also 2 curves (1 cooling curve+1 heating curve) for users to customize.

Cooling Climate Curve

After selecting a certain climate curve, the target water temperature of the unit will be automatically set based on the outdoor ambient temperature (using different set water temperatures at different ambient temperatures will be more comfortable and energy-saving)





Huilian Smart

Available on



Electricity Consumption Statistic Analysis

This function allows the user to analyse the heat pump's electricity consumption at different time intervals and optimise its settings to save even more in terms of heating costs.



SMART
GRID



Automatic Matching Smart Grid Control

The heat pump adapts to different electrical signals. The energy consumption of the system can be automatically adjusted based on peak and low power, minimizing heating costs. With this feature, the pump will automatically start to utilize cheaper energy prices or store excess electricity from the photovoltaic system.

Specifications

MR. HYBRID SERIES

R290 Mono Indoor Hybrid Air to Water Heat Pump



Model	/	HWHRHP05SR3-A
Power Supply	V/Ph/Hz	220-240V~ 50Hz
Heating(A7/6°C,W30/35°C)		
Heating Capacity	kw	5.09
Power Input	kw	1.27
COP	W/W	4.01
Heating(A7/6°C,W47/55°C)		
Heating Capacity	kw	4.58
Power Input	kw	1.52
COP	W/W	3.01
Cooling(A35/24°C,W12/7°C)		
Cooling Capacity	kw	4.5
Power Input	kw	1.44
EER	W/W	3.13
ERP Level(35°C)	/	A**
Rated water flow	m3/h	1.10
MAX input power	kw	2.5
MAX input current	A	10.87
Motor type of outdoor unit	/	DC motor
Type of fan	/	Centrigugal
Air flow	m3/h	1000
Static pressure	pa	80
Compressor	/	Hai Li/Rotary
Water Pump	/	Inverter/Built-in
Refrigerant	/	R290
Charge volume	/	600g
Pump head	/	6m
Air side heat exchanger	/	Finned tube
Water side heat exchanger		Plate type
Defrost	/	Auto defrost with 4 way valve
Heat recovery box	/	Mixed air type
Fresh air flow	%	10%~100%
Waterproof grade	/	IPX4
Sound pressure	dB(A)	54
Max water outlet temperature	°C	75
Cooling ambient temperature	°C	-5 ~43
Heating ambient temperature	°C	-25 ~ 35
DHW ambient temperature	°C	-25 ~43
Cooling Outlet water temperature	°C	5 ~ 30
Heating Outlet water temperature	°C	12 ~ 65
DHW (tank) Outlet water temperature	°C	10 ~ 60
Water side connection	/	R5/4"
Air side connection	mm	2*250
Controller	/	4 inch touch screen
Body & Panel	/	Galvanized steel with coating
Unit dimension	mm	760x620x465
Net weight	kg	75

HEATIX SERIES

R290 Mono Outdoor Heat Pump



Model	HMVRC7D/2A	HMVRC9D/2A	HMVRC13D/2A	HMVRC15D/2A	HMVRC13S/2A	HMVRC15S/2A	HMVRC18S/2A	HMVRC21S/2A
Power Supply	220-240V/1PH / 50HZ	220-240V/1PH / 50HZ	220-240V/1PH / 50HZ	220-240V/1PH / 50HZ	380-415V/3PH / 50HZ	380-415V/3PH / 50HZ	380-415V/3PH / 50HZ	380-415V/3PH / 50HZ
[Space Heating] Ambient Temp. (DB/WB): 7°C/6°C, Water Temp. (Inlet/Outlet): 30°C/55°C.								
Heating Capacity (kW)	2.50~6.95	3.56~8.91	4.55~12.92	6.10~14.98	4.55~12.92	6.10~14.98	6.50~18.00	6.90~20.66
Power Input (kW)	0.41~1.48	0.59~1.98	0.75~2.80	1.01~3.41	0.75~2.80	1.01~3.41	1.08~3.92	1.15~4.69
COP	6.10~4.68	6.03~4.50	6.06~4.61	6.00~4.39	6.06~4.61	6.00~4.39	6.01~4.59	5.98~4.40
[Space Heating] Ambient Temp. (DB/WB): 7°C/6°C, Water Temp. (Inlet/Outlet): 50°C/55°C.								
Heating Capacity (kW)	2.00~5.80	3.15~7.98	3.90~11.32	5.40~13.91	3.90~11.32	5.40~13.91	5.70~16.80	5.80~18.55
Power Input (kW)	0.43~1.86	0.68~2.61	0.85~3.71	1.17~4.83	0.85~3.71	1.17~4.83	1.24~5.69	1.26~6.31
COP	4.63~3.11	4.63~3.06	4.59~3.05	4.60~2.88	4.59~3.05	4.60~2.88	4.60~2.95	4.60~2.94
[Space Cooling] Ambient Temp. (DB/WB): 35°C / -, Water Temp. (Inlet/Outlet): 12°C/7°C.								
Cooling Capacity (kW)	1.20~4.50	1.53~6.54	2.93~8.87	3.50~10.00	2.93~8.87	3.50~10.00	4.00~13.50	4.40~14.40
Power Input (kW)	0.26~1.55	0.33~2.31	0.63~3.26	0.76~3.70	0.63~3.26	0.76~3.70	0.86~4.50	0.95~4.69
EER	4.62~2.90	4.64~2.82	4.65~2.72	4.63~2.70	4.65~2.72	4.63~2.70	4.63~2.70	4.63~3.08
Max. Power Input (kW)	2.8	4	5	6	5	6	6.5	6.8
Max. Running Current (A)	12.7	18.3	22.9	27.3	8.7	10.8	11.3	11.6
Max. Outlet Water Temp. (°C)	80	80	80	80	80	80	80	80
Operation Range (°C)	-25~43	-25~43	-25~43	-25~43	-25~43	-25~43	-25~43	-25~43
Rated Water Flow (m³/h)	1.03	1.5	2.19	2.75	2.19	2.75	3.1	3.44
Compressor	Brand	GMCC	GMCC	HIGHLY	HIGHLY	HIGHLY	HIGHLY	GMCC
	Type	DC twin rotary	DC twin rotary	DC twin rotary	DC twin rotary	DC twin rotary	DC twin rotary	DC twin rotary
	Model	EDTF420D62EMT	EDTF420D62EMT	WHP10200SPDPC9KQ	WHP10200SPDPC9KQ	WHP10200SPDPC9KQ	WHP10200SPDPC9KQ	EDTQ750D66ENT
Fan Type	Number	1	1	1	1	1	1	1
	Brand	LT	LT	LT	LT	LT	LT	LT
	Type	DC motor	DC motor	DC motor	DC motor	DC motor	DC motor	DC motor
Air side heat exchanger	Model	RD170HA	RD170HA	RD170HA	RD170HA	RD170HA	RD85HA	RD85HA
	Number	1	1	1	1	1	2	2
	Brand	HONOW	HONOW	HONOW	HONOW	HONOW	HONOW	HONOW
Throttle	Type	Fin coil	Fin coil	Fin coil	Fin coil	Fin coil	Fin coil	Fin coil
	Model	2rows*φ7	2rows*φ7	3rows*φ7	3rows*φ7	3rows*φ7	3rows*φ7	3rows*φ7
	Number	1	1	1	1	1	1	1
Water side heat exchanger	Brand	FUJIKOKI	FUJIKOKI	FUJIKOKI	FUJIKOKI	FUJIKOKI	FUJIKOKI	FUJIKOKI
	Type	Electronic expansion valve	Electronic expansion valve	Electronic expansion valve	Electronic expansion valve	Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
	Model	CAM-BD24FKS-12	CAM-BD24FKS-12	HAM-BD32FKS	HAM-BD32FKS	HAM-BD32FKS	HAM-BD32FKS	HAM-BD32FKS
Water pump	Number	1	1	1	1	1	1	1
	Brand	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss
	Type	Plate	Plate	Plate	Plate	Plate	Plate	Plate
Expansion Tank (L)	Model	T30000-075	T30000-075	T30000-076	T30000-076	T30000-076	T30000-077	T30000-077
	Number	1	1	1	1	1	1	1
	Brand	Shimge	Shimge	Shimge	Shimge	Shimge	Shimge	Shimge
ErP Level (35°C)	Type	DC,Shielded	DC,Shielded	DC,Shielded	DC,Shielded	DC,Shielded	DC,Shielded	DC,Shielded
	Model	APM25-9-130PWM1	APM25-9-130PWM1	APM25-9-130PWM1	APM25-9-130PWM1	APM25-9-130PWM1	APM25-9-130PWM1	APM25-9-130PWM1
	Max. head(m)	9	9	9	9	9	9	9
ErP Level (55°C)	Number	5	5	5	5	5	5	5
	Refrigerant	R290/780g	R290/780g	R290/1020g	R290/1020g	R290/1020g	R290/1020g	R290/1250g
	Sound Pressure Level dB(A) at 1m	43~53	43~54	43~55	44~56	43~55	44~56	44~56
Water Pipe Connection	Water Pipe Connection	G1'	G1'	G1'	G1'	G1'	G1'	G1'
	Internal Water Pressure Drop(kPa)	17	20	24	28	24	28	44
	Water Proof Class	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4
Electricity Shock Proof	Electricity Shock Proof	I	I	I	I	I	I	I
	Net Dimensions (L×H×W) (mm)	1150*905*460	1150*905*460	1150*905*460	1150*905*460	1150*905*460	1150*1368*460	1150*1368*460
	Packing dimension (L×H×W)(mm)	1240*920*570	1240*920*570	1240*920*570	1240*920*570	1240*920*570	1240*1383*570	1240*1383*570
Net weight (kg)	Net weight (kg)	111	111	119	119	119	160	160
	Gross weight (kg)	123	123	131	131	131	170	170

Specifications

THERMAX SERIES

R32 Mono A Heat Pump



Model			HMVRC6D/3A	HMVRC8D/3A	HMVRC10D/3A	HMVRC12D/3A	HMVRC14D/3A	HMVRC16D/3A	HMVRC12S/3A	HMVRC14S/3A	HMVRC16S/3A
Power supply(V/Ph/Hz)			220-240V/1PH / 50HZ						380-415V/3PH / 50HZ		
Heating A7W35	Capacity	W	6800	8400	10000	12000	14100	16000	12000	14100	16000
	Rated input	W	1417	1732	2237	2479	3065	3604	2479	3065	3604
	COP		4.80	4.850	4.47	4.84	4.60	4.440	4.84	4.60	4.440
Heating A7W45	Capacity	W	6829	8200	10000	12500	14500	16200	12500	14500	16200
	Rated input	W	1880	2247	2857	3378	4017	4696	3378	4017	4696
	COP		3.630	3.650	3.500	3.700	3.610	3.450	3.700	3.610	3.450
Heating A7W55	Capacity	W	5500	8000	9300	12000	14000	16000	12000	14000	16000
	Rated input	W	1930	2680	3310	4430	4980	5820	4430	4980	5820
	COP		2.850	2.980	2.810	2.710	2.810	2.750	2.710	2.810	2.750
Cooling A35W18	Capacity	W	6613	8400	10000	12500	14000	15000	12500	14000	15000
	Rated input	W	1349	1806	2326	2907	3390	3886	2907	3390	3886
	COP		4.900	4.650	4.300	4.300	4.130	3.860	4.300	4.130	3.860
Cooling A35W7	Capacity	W	5757	7500	9000	11800	12500	13200	11800	12500	13200
	Rated input	W	1904	2419	3103	4069	4386	4800	4069	4386	4800
	COP		3.020	3.100	2.760	2.900	2.850	2.750	2.900	2.850	2.750
Seasonal space heating energy efficiency class	Water outlet at 35°C		A+++	A+++	A+++	A+++	A+++		A+++	A+++	A+++
	Water outlet at 55°C		A++	A++	A++	A++	A++	A++	A++	A++	A++
Sound power level ²	Heating A7W35	dB	60	63	63	65	66	67	65	66	67
Compressor	Model		EKT M225D63UKER			EKT F420D66UM5BR			EKT F420D66UM5BR		
	Type		DC inverter, twin-rotary						DC inverter, twin-rotary		
	Brand		GMCC	GMCC	GMCC	GMCC	GMCC	GMCC	GMCC	GMCC	GMCC
Motor	Quantity		1	1	1	1	1	1	1	1	1
	Model		RD170HA-4	RD170HA-4	RD170HA-4	RD170HA-4	RD170HA-4	RD170HA-4	RD170HA-4	RD170HA-4	RD170HA-4
	Type		Brushless DC	Brushless DC	Brushless DC	Brushless DC	Brushless DC	Brushless DC	Brushless DC	Brushless DC	Brushless DC
Fan	Brand		LT	LT	LT	LT	LT	LT	LT	LT	LT
	Quantity		1	1	1	1	1	1	1	1	1
	Type		Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial
Air side heat exchanger	Fan size (ΦD×H)	mm	Φ580×190	Φ580×190	Φ580×190	Φ580×190	Φ580×190	Φ580×190	Φ580×190	Φ580×190	Φ580×190
	Type		Hydrophilic aluminum & Inner groove copper tube						Hydrophilic aluminum & Inner groove copper tube		
	Rows		1.6	1.6	1.6	3	3	3	3	3	3
Refrigerant	Tube diameter	mm	Φ7	Φ7	Φ7	Φ7	Φ7	Φ7	Φ7	Φ7	Φ7
	Fin space	mm	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	Type		R32	R32	R32	R32	R32	R32	R32	R32	R32
Throttle	Factory charged	kg	1.25	1.25	1.25	1.80	1.80	1.80	1.80	1.80	1.80
	Type		Electronic expansion valve						Electronic expansion valve		
	Type		Plate	Plate	Plate	Plate	Plate	Plate	Plate	Plate	Plate
Water side heat exchanger	Rated water flow	m³/h	1.170	1.445	1.720	2.064	2.425	2.752	2.064	2.425	2.752
	Water flow range	m³/h	0.40~1.25	0.40~1.65	0.40~2.10	0.70~2.50	0.70~2.75	0.70~3.00	0.70~2.50	0.70~2.75	0.70~3.00
	Model		APM25-9-130PWM1						APM25-9-130PWM1		
Water pump	Brand		Shimge	Shimge	Shimge	Shimge	Shimge	Shimge	Shimge	Shimge	Shimge
	Type		DC	DC	DC	DC	DC	DC	DC	DC	DC
	Max. head	m	9	9	9	9	9	9	9	9	9
Expansion vessel	Volume	L	5	5	5	5	5	5	5	5	5
	Max. working pressure	MPa	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
	Safety valve	MPa	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Water flow switch	Water flow switch	m³/h	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
	Inlet/outlet water pipes size		G5/4"BSP	G5/4"BSP	G5/4"BSP	G5/4"BSP	G5/4"BSP	G5/4"BSP	G5/4"BSP	G5/4"BSP	G5/4"BSP
	Unit dimension (W×H×D)	mm	1040*850*450						1040*850*450		
Outdoor net weight	Packing dimension (W×H×D)	mm	1150*983*527						1150*983*527		
	Outdoor net weight	kg	75	75	75	88	88	88	88	88	88
	Outdoor gross weight	kg	91	91	91	104	104	104	104	104	104
Ambient temperature range	Cooling	°C	-5 ~ 43	-5 ~ 43	-5 ~ 43	-5 ~ 43	-5 ~ 43	-5 ~ 43	-5 ~ 43	-5 ~ 43	-5 ~ 43
	Heating	°C	-25 ~ 35	-25 ~ 35	-25 ~ 35	-25 ~ 35	-25 ~ 35	-25 ~ 35	-25 ~ 35	-25 ~ 35	-25 ~ 35
	DHW	°C	-25 ~ 43	-25 ~ 43	-25 ~ 43	-25 ~ 43	-25 ~ 43	-25 ~ 43	-25 ~ 43	-25 ~ 43	-25 ~ 43
Water setting temperature range	Cooling	°C	5~25	5~25	5~25	5~25	5~25	5~25	5~25	5~25	5~25
	Heating	°C	25~65	25~65	25~65	25~65	25~65	25~65	25~65	25~65	25~65
	DHW	°C	20~60	20~60	20~60	20~60	20~60	20~60	20~60	20~60	20~60

Note:
1. The above data test reference standard EN14511; EN14825; EN50564; EN12102; (EU) No.811/2013; (EU) No.813/2013; OJ 2014/C 207/02.
2. Sound power test condition: EN12102-1

R32 Mono L Heat Pump



Model			HEAW22MSRN3-L	HEAW26MSRN3-L	HEAW30MSRN3-L	HEAW35MSRN3-L
Power Supply	V/Ph/Hz		380V/3ph 50Hz			
Heating A7W35	Capacity	kW	22.00	26.00	30.00	35.00
	Rated input	kW	4.63	5.47	6.28	7.34
	COP		4.75	4.75	4.78	4.77
Heating A7W45	Capacity	kW	22.00	26.00	30.00	35.00
	Rated input	kW	5.90	6.97	8.11	9.51
	COP		3.73	3.73	3.7	3.68
Heating A7W55	Capacity	kW	21.50	25.50	29.50	34.50
	Rated input	kW	7.05	8.36	9.67	12.55
	COP		3.05	3.05	3.05	2.75
Cooling A35W18	Capacity	kW	21.50	25.50	29.50	34.50
	Rated input	kW	4.73	5.60	7.47	10.15
	EER		4.55	4.55	3.95	3.4
Cooling A35W7	Capacity	kW	21.50	25.50	29.50	34.50
	Rated input	kW	7.29	8.64	9.93	11.66
	EER		2.95	2.95	2.97	2.96
ERP	ERP Level(35°C)		A+++	A+++	A+++	A+++
	ERP Level(55°C)		A++	A++	A++	A++
SCOP	Water outlet at 35°C		5.01	5.01	5.32	5.13
	Water outlet at 55°C		3.39	3.39	3.56	3.56
Sound power Level3	Heating A7W35	dB	68	68	70	70
Refrigerant / Filling			R32/2.4KG		R32/3.3KG	
Compressor			R32 EVI compressor*1			
Outdoor fan	Motor type		DC fan motor			
	Number of fans		2			
Air side heat exchanger			Finned tube			
Water side heat exchanger			Brazed Plate			
Water side connection			R5/4"			
Outdoor air temperature range	Cooling	°C	-5 ~43			
	Heating	°C	-25 ~ 35			
	DHW	°C	-25 ~43			
Water outlet temperature range	Cooling	°C	5 ~ 30			
	Heating	°C	12 ~ 65			
	DHW (tank)	°C	10 ~ 60			
Unit Dimension (W*D*H)		mm	1212*470*1572	1212*470*1572	1212*470*1872	1212*470*1872
Packing Dimension (W*D*H)		mm	Carton 1300*480*1700		Wooden Crate 1340*520*2020	
Net/Gross Weight		KG	124/160		160/195	

Notes:
1.Relevant EU standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 811/2013; (EU) No 813/2013; OJ 2014/C 207/02.
2.Seasonal space heating energy efficiency class tests in average climate conditions.
3.Sound power test condition: EN12102- 1

Specifications

R32 Split Heat Pump

Model		SPLIT 6/8/10KW Single-phase			SPLIT 12/14/16KW Three-phase			SPLIT 12/14/16KW Single-phase			SPLIT 18/20/22KW Three-phase		
		HMVRC6S/3A(I) HMVRC6S/3A(O)	HMVRC8S/3A(I) HMVRC8S/3A(O)	HMVRC10S/3A(I) HMVRC10S/3A(O)	HMVRC12S/3A(I) HMVRC12S/3A(O)	HMVRC14S/3A(I) HMVRC14S/3A(O)	HMVRC16S/3A(I) HMVRC16S/3A(O)	HMVRC12D/3A(I) HMVRC12D/3A(O)	HMVRC14D/3A(I) HMVRC14D/3A(O)	HMVRC16D/3A(I) HMVRC16D/3A(O)	HMVRC18S/3A(I) HMVRC18D/3A(O)	HMVRC20S/3A(I) HMVRC20D/3A(O)	HMVRC22S/3A(I) HMVRC22D/3A(O)
Hydronic box	Power supply	220 - 240V~, 1Ph, 50Hz			380 - 415V~, 3Ph, 50Hz			220 - 240V~, 1Ph, 50Hz			380 - 415V~, 3Ph, 50Hz		
Condition 1: (A7°CDB, RH85% / W30°C/35°C)	Heating capacity	kW	6.80	8.40	10.00	12.00	14.10	16.00	12.00	14.10	16.00	18.00	20.00
	Power input	kW	1.42	1.73	2.24	2.48	3.07	3.60	2.48	3.07	3.60	3.73	4.21
	COP		4.80	4.85	4.64	4.64	4.47	4.44	4.44	4.44	4.44	4.44	4.48
Condition 2: (A7°CDB, RH85% / W40°C/45°C)	Heating capacity	kW	6.83	8.20	10.00		14.50	16.20	12.50	14.50	16.20	18.50	20.00
	Power input	kW	1.88	2.25	2.90	3.45	4.02	4.70	3.45	4.02	4.70	4.93	5.41
	COP		3.63	3.65	3.45	3.62	3.61	3.45	3.62	3.61	3.45	3.75	3.70
Condition 3: (A7°CDB, RH85% / W47°C/55°C)	Heating capacity	kW	5.63	8.00	9.30	12.00	14.00	16.00	12.00	14.00	16.00	18.00	20.00
	Power input	kW	1.93	2.68	3.31	4.43	4.98	5.82	4.43	4.98	5.82	5.86	6.08
	COP		2.85	2.71	2.81	2.71	2.81	2.71	2.71	2.71	2.75	3.07	3.05
Condition 4: (A35°C, W23°C/18°C)	Heating capacity	kW	6.00	8.00	10.00	12.00	13.00	15.00	12.00	13.00	15.00	15.20	15.00
	Power input	kW	1.43	2.00	2.54	3.04	3.67	4.34	3.04	3.67	4.34	4.18	4.43
	EER		4.20	4.00	3.94	3.95	3.60	3.46	3.95	3.60	3.46	3.54	3.50
Condition 5: (A35°C, W12°C/7°C)	Cooling capacity	kW	5.00	7.00	7.00	11.00	11.00	12.50	11.00	12.50	13.50	14.70	14.70
	Power input	kW	1.67	2.03	2.43	4.09	4.51	5.10	4.09	4.51	5.10	4.74	5.18
	EER		3.00	2.95	2.88	2.69	2.55	2.45	2.69	2.55	2.45	2.85	2.80
Seasonal space heating energy efficiency class	LWT at 35°C		A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++
	LWT at 55°C		A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++
	SCOP		4.81	4.61	4.51	4.81	4.75	4.69	4.81	4.75	4.69	4.81	4.71
SEER	LWT at 35°C		3.44	3.38	3.33	3.44	3.41	3.41	3.33	3.44	3.41	3.44	3.42
	LWT at 55°C		\	\	\	\	\	\	\	\	\	\	\
	LWT at 55°C		\	\	\	\	\	\	\	\	\	\	\
Rated power input	kW	3.2	3.5	3.7	6.1	6.2	6.2	6.1	6.2	6.2	6.8	7.0	7.5
Rated current	A	14.0	15.2	16.1	9.2	9.4	9.4	9.4	9.4	9.4	10.3	10.3	11.4
MOP (Maximum over-current protection)	A	14	15	16	22	26	29	22	26	29	31	32	35
Running ambient temperature range	Heating	°C	-25 to 35	-25 to 35	-25 to 35	-25 to 35	-25 to 35	-25 to 35	-25 to 35	-25 to 35	-25 to 35	-25 to 35	-25 to 35
	Cooling	°C	-5 to 43	-5 to 43	-5 to 43	-5 to 43	-5 to 43	-5 to 43	-5 to 43	-5 to 43	-5 to 43	-5 to 43	-5 to 43
	DHW	°C	-25 to 43	-25 to 43	-25 to 43	-25 to 43	-25 to 43	-25 to 43	-25 to 43	-25 to 43	-25 to 43	-25 to 43	-25 to 43
Setting temperature range	Heating	°C	25 to 65	25 to 65	25 to 65	25 to 65	25 to 65	25 to 65	25 to 65	25 to 65	25 to 65	25 to 65	25 to 65
	Cooling	°C	5 to 25	5 to 25	5 to 25	5 to 25	5 to 25	5 to 25	5 to 25	5 to 25	5 to 25	5 to 25	5 to 25
	DHW	°C	20 to 60	20 to 60	20 to 60	20 to 60	20 to 60	20 to 60	20 to 60	20 to 60	20 to 60	20 to 60	20 to 60
Outdoor unit	Model	EKT22SD63UKER				EKT420D66UM5BR				9KD420ZAA2J			
Compressor	Type					DC inverter, twin-rotary				DC inverter, twin-rotary,EVI			
	Brand					GMCC				Panasonic			
	Quantity	1				1				1			
Motor	Type	RD170HA-4				RD170HA-4				RD170HA-4			
	Brand	Brushless DC				Brushless DC				Brushless DC			
	Quantity	1				1				1			
Fan	Type	Axial				Axial				Axial			
	Fan size (ΦD×H)	Φ580×190				Φ580×190				Φ580×190			
	Hydrophilic aluminum & inner groove copper tube												
Air-side heat-exchanger	Rows	1.6				3				3			
	Tube diameter	Φ7				Φ7				Φ7			
	Fin space	1.5				1.5				1.5			
Refrigerant	Circuit	9				12				12			
	Area (L×H)	1,100×798				1,100×798				1,100×798			
	Type	R32				R32				R32			
Throttling type	Factory charged	1.45				1.84				1.84			
	Electronic expansion valve												
Air flow	Type	Flared				Flared				Flared			
	Quantity	3,900				5,200				5,200			
	Refrigerant piping connections	Φ9.52				Φ9.52				Φ9.52			
Wires	Gas pipe	Φ15.88				Φ15.88				Φ15.88			
	Max. pipe length	25				25				25			
	Max. difference in height	15				15				15			
Sound power level	Power supply	3×3.0mm ²				5×2.0mm ²				5×2.0mm ²			
	Signal I	6×0.75mm ²				6×0.75mm ²				6×0.75mm ²			
	Signal II	6×0.75mm ²				6×0.75mm ²				6×0.75mm ²			
Dimensions (W×H×D)	Net	1040*850*450				1040*850*450				1040*850*450			
	Packing	1150*963*527				1150*963*527				1150*963*527			
	Net	70.3				87.7				87.0			
Weight	Gross	82.3				99.6				99.0			
	Volume	L				L				L			
	Max. water pressure	MPa				MPa				MPa			
Safety valve	Pre-pressure	MPa				MPa				MPa			
	Water-side heat-exchanger	Plate				Plate				Plate			
	Model					APM25-9-130PWM1							
Water pump	Brand	Shingde				Shingde				Shingde			
	Type	DC				DC				DC			
	Max. head	m				m				m			
Water flow	Rated	m ³ /h				2.064				2.752			
	Range	m ³ /h				0.70 to 2.50				0.70 to 3.00			
	Drainage pipe size	G3/4"				G3/4"				G3/4"			
Backup electric heater	Entering/leaving water pipes size	G5/4"BSP				G5/4"BSP				G5/4"BSP			
	Standard	3kW				3kW				3kW			
	Power supply	Thermoster				Thermoster				Thermoster			
Water flow switch	Motorized 3-way valve	Customized				Customized				Customized			
	Controller	Y				Y				Y			
	Refrigerant pipes size	Liquid pipe				Liquid pipe				Liquid pipe			
Dimensions (W×H×D)	Net	290*470*790				290*470*790				290*470*790			
	Packing	370*550*895				370*550*895				370*550*895			
	Net	45.8				46.9				46.9			
Weight	Gross	49.7				50.8				50.8			

Swimming Pool Heat Pump



POOLAR SERIES

Pool Heat Pump Features

Poolar Series

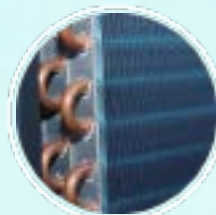
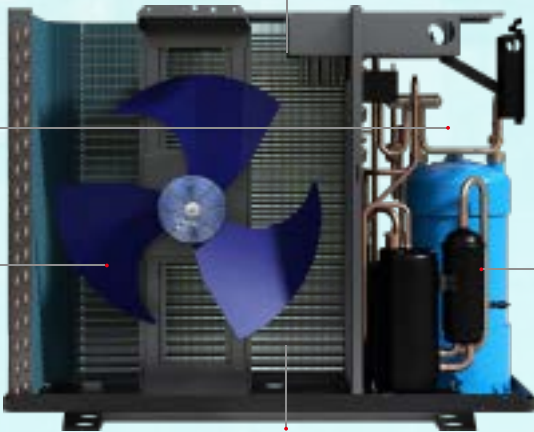
The Poolar series heat pump is equipped with an optional 4.1 inches intelligent color touch screen multilingual remote control, with rich control functions to ensure the perfect operation of the machine under different temperature conditions and meet the different control needs of users. At this point, the optional WiFi, 4G, and APP functions meet users' remote control of machines and intelligent energy management.

Main Components

Anti-Corrosion Spiral Titanium Tube

Integrated Driver Board

Display Controller

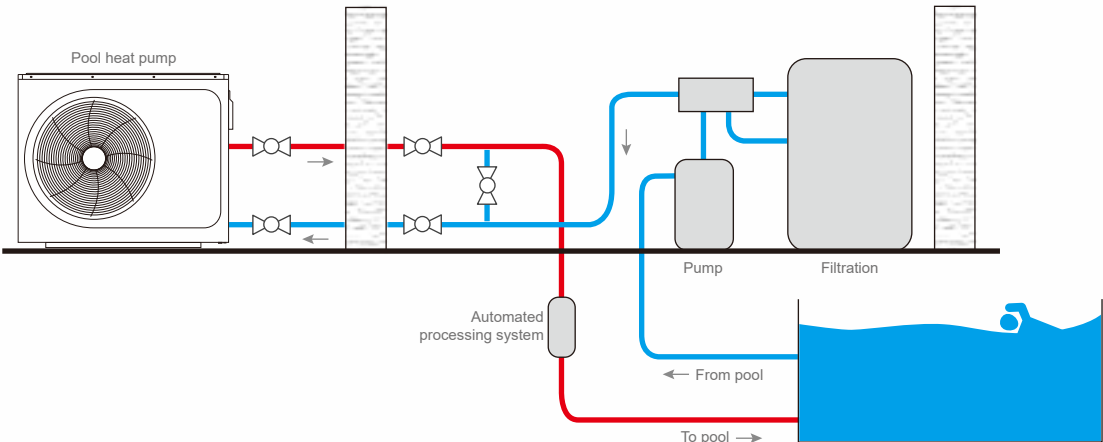


DC Inverter Fan Motor

7mm Inner Screw Blue Fin

R32 DC Inverter Compressor

APPLICATION



Specifications



R32 Swimming Pool Heat Pump

Model		YRB70D/WB	YRB90D/WB	YRB110D/WB	YRB150D/WB	YRB180D/WB	YRB210D/WB	YRB270D/WB3
Applicable Area	m3	15~30	20~40	25~50	30~60	40~80	45~90	50~110
Environment Temp	℃	-7 ~ 43						
Working Condition1		Air 27℃/Water 26℃/Humidity 80%						
Rated Heating Capacity 1	kW	1.80~7.21	2.29~9.30	2.83~11.33	3.83~15.32	4.59~18.36	5.09~21.22	7.1~28.4
COP1		14.11~6.15	14.11~6.18	14.15~6.20	14.02~6.13	14.05~6.09	14.12~6.05	15.8~6.8
Working Condition2		Air 15℃/Water 26℃/Humidity 70%						
Rated Heating Capacity 2	kW	1.29~5.34	1.65~6.88	2.01~8.38	2.71~11.39	3.28~13.55	3.84~15.88	5~22.1
COP2		7.48~4.53	7.5~4.55	7.5~4.55	7.45~4.56	7.48~4.55	7.48~4.55	7.6~4.9
Sound Pressure in silence mode 1m	dB	38~48	40~49	42~51	43~52	45~54	46~55	46~57
Power Supply	V/Ph/Hz	220~240V / 1Ph / 50 Hz						380~415V / 3Ph / 50 Hz
Outlet Water Temp	℃	15~40						
Outlet Diameter	mm	50						
Water Flow Volume	m3/h	3.1	4	4.9	6.6	7.9	9.1	9.8
Water Pressure Drop	kpa	2	2	4	5	5.5	6	6.2
Certificates		CE & Rohs & REACH						
Unit Dimensions(W*D*H)	mm	891*420*648			1050*460*803			1128*500*915
Packing Dimension Carton(W*D*H)	mm	945*455*775			1105*495*930			1225*540*1042
Carton+Wood Base								
Wooden Crate Packaging Dimensions (W*D*H)	mm	985*495*795			1145*535*950			1265*580*1062
Compressor		GMCC R32 DC Inverter						
Net Weight	kg	53	55	57	70	73	78	88
Gross Weight	kg	62	64	66	85.6	88.6	93.6	110
Water Proof		IPX 4						
Stuffing Quantity 20GP/40HQ		72/144			44/132			

Notes:
1.Relevant EU standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 811/2013; (EU) No 813/2013; OJ 2014/C 207/02.
2.Seasonal space heating energy efficiency class tests in average climate conditions.
3.Sound power test condition: EN12102-1
DHW: Domestic hot water.

Hydro Split Water System



Hydro Split Series



- Compact Design**
Compact design, can be integrated into the kitchen cabinet
- Buffer Tank**
Buffer tank of 60 liters and domestic hot water tank of 250 liters made of high-quality Duplex stainless steel is a standard component of the Hydraulic System cabinet.
- 3.5-inch Smart Controller**
The built-in touch-sensitive, multi-functional LCD color display controller allows for intuitive management of the heat pump operation.
- Easy Installation**
Thanks to this integrated system, users do not need to install a separate water system.

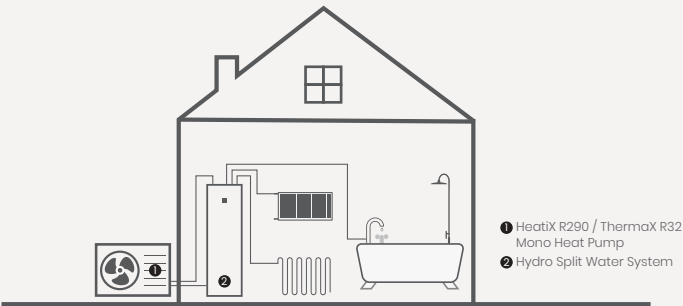
Specifications

Components	Specs.	QTY
Water tank	150/200/250L, SUS304(Optional)	1
Buffer tank	60/90L, SUS304(Optional)	1
Exhaust valve	Auto release	1
3-way valve	Electric type	2
Pressure switch	0-10bar	1
E-heater	3kW, 220V~50Hz	1
Water pump	12m DC inverter	2
Wired controller	4.1 inch touched screen	1
Indoor PCB	HETA	1
Temperature controller	Manual operation	1
Temperature controller	Auto type	1

System Schematics

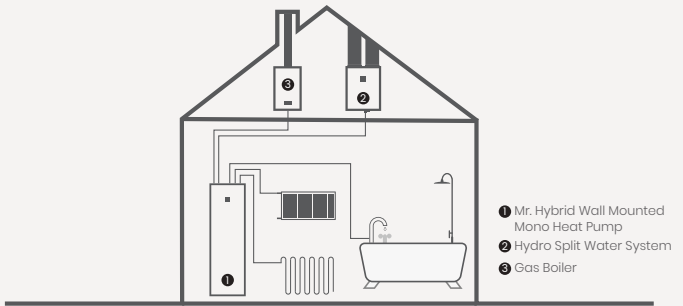
Outdoor Mono

HeatiX Mono or ThermaX Mono can be connected to a Hydro Split, which then centrally distributes hot water to rooms with different water temperature requirements, such as floor heating, radiators and domestic water.



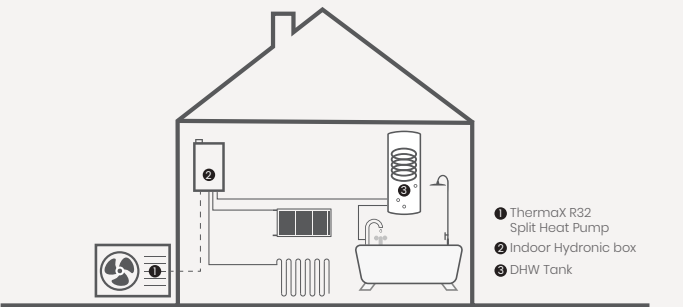
Indoor Mono Hybrid

Mr. Hybrid Mono can be linked with the gas furnace and can be set to use a heat pump or gas furnace for heating according to changes in ambient temperature.



Split

Thermax R32 Split is a ducted system, and the outdoor unit needs to be connected to the refrigerant circuit of the indoor unit.



AquariuX All-in-One Series



R290 All-in-One Water Heater

- R290 Refrigerant:**
R290 is well known as a zero ODP value, which means that this R290 heat pump water heater has no negative impact on the ozone layer.
- Higher COP:**
The AquariuX R290 All-in-One Water Heater can achieve COP up to 4.0, which can reduce energy consumption and save your bills in the long run.
- Wide range to choose:**
We have 200L, 250L and 300L floor standing models for kinds of demands for various families .

Specifications

Radiant European ejection air heat pump water heater parameters				
Serial number	Item name	KRS35A-200VD	KRS35A-250VD	KRS35A-300VD
1	Rated capacity	200L	250L	300L
2	Product color	Frosting white/silver		
3	Energy efficiency rating	A++	A++	A++
4	Energy Efficiency ratio	4.0	4.0	4.0
5	Rated voltage	220V~	220V~	220V~
6	Rated frequency	50Hz	50Hz	50Hz
7	Heat capacity	1500W	1500W	1500W
9	Max. water temperature	75 °C	75 °C	75 °C
10	Maximum input	3100W	3100W	3100W
11	Rated output(HP)	385W	385W	385W
12	Electric heater	2500W	2500W	2500W
13	Water pressure	0.8 MPa	0.8 MPa	0.8 MPa
14	Noise	40dB(A)	40dB(A)	40dB(A)
15	Net Weight	95kg	110kg	129kg
16	Refrigerant	R290/150g	R290/150g	R290150g
	Operating ambient temperature	-5 ~ 45°C	-5 ~ 45°C	-5 ~ 45°C
17	Max. water pressure	1.0/3.0 MPa	1.0/3.0 MPa	1.0/3.0 MPa
19	Maximum working pressure	3.0 MPa	3.0 MPa	3.0 MPa
20	Net Dimension	Φ 520 x 1950 mm	Φ 650 x 1640 mm	Φ 650 x 1915 mm
21	Packing Dimension	590×590×2045mm	705705×1735mm	705×705×2010mm

