



For green energy and a comfortable life.

Guangdong Y.K.R New Energy Co., Ltd.

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CATALOGUE



MONOBLOC
HEAT PUMP



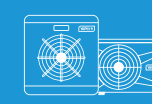
SPLIT
HEAT PUMP



WATER SOURCE
HEAT PUMP



COMMERCIAL
HOT WATER



SWIMMING POOL



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ABOUT Y.K.R

About us

Guangdong Y.K.R New Energy Co., Ltd. is an Air-Source Heat Pump manufacturer specializing in R&D, manufacturing, and sales of all types of heat pump products for Industrial, Commercial, and Residential applications. With a growing desire to improve people's lives and the quality of heat pumps, we are committed to providing lower energy consumption solutions to replace traditional heating, cooling, and hot water equipment while remaining environmentally friendly.

R&D advantages

With an experienced technical team and 2 comprehensive laboratories, Y.K.R has developed numerous series: Heating&Cooling+Hot Water Heat Pumps, Water Heater Heat Pumps, Swimming Pool Heat Pumps, Water&Ground Source Heat Pumps. Who also provides OEM and ODM services.

Our advantages

We have been in business for 15 years who based in Foshan, Guangdong, China. 5 large-scale heat pump production lines spread across 20,000m2 workspaces, with a daily production capacity of about 500 sets. You could receive exceptional services from a qualified sales team with support from knowledgeable technicians. A seamless after-sales service will be offered, as well as a well-developed logistical infrastructure.



Factory Advantages

Quality control and technological innovation are Y.K.R's constant priorities. Our company currently employs 150+ seasoned production workers, 35 senior technical engineers, and we obtained 50 product patents. The products have acquired European EN14825 and EN14511 Energy Efficiency Certificates, as well as TUV, CE, IEC, ERP, SAA, CB, ROHS, and MCS certifications. In addition, the Chinese government has suggested Y. K. R as an energy solution firm to replace traditional boiler projects due to the benefits of safety, high efficiency, environmental protection, and low energy consumption from our heat pump.

Y.K.R operates a 20,000-square-meter factory with five flexible production lines and an annual output of more than 100,000 units, as well as two comprehensive laboratories for air-source heat pump research and development. With our precise quality control system, we always prioritize product quality. We have extensive experience in all aspects of heat pump development, testing, manufacturing, installation support, and after-sales services.



Technology Strengths



Market Strategy

With more than 15 years of technological advancement and market strategy development, Y.K.R's products are becoming more and more well-known not only in China but also in more than 60 other nations and regions across the world. Positive feedback from all of our clients makes us very happy, therefore, continuing to offer customers expert energy solutions will always be our aim.

As our slogan states, "For green energy and a comfortable life," Y. K. R has been focusing on continuous technological innovation to improve the quality of products and services and is committed to providing customers with high-quality air source products and the best green energy solutions.



Company Vision

CE Certification, SGS Certification, ISO14001 International Environmental Management System, ISO9001 International Quality Management System, OHSAS18001 International Occupational Health Management System, 3C Compulsory Certification, National Test Report, Provincial Test Report and many other certifications and patents. And won a number of honorary certificates such as China 3.15 Integrity Enterprise, China Quality Underwriting 3A Enterprise, China green environmental protection products, etc.



PRODUCTION LINES

5 flexible production lines, 20+ advanced equipment, 150+ experienced workers, standard production system to ensure daily output of around 500 sets.



COMPREHENSIVE LABORATORIES

Y.K.R has two comprehensive laboratories that meet the EU EN14511 standard and can simulate ambient temperatures ranging from -30°C~50°C to test heat pump operating performance with input power ranging from 0.8kW ~ 80kW and Hz Frequency 50Hz/60Hz.



TECHNICAL SUPPORT BY OUR ENGINEERS

- Testing the performance of newly developed products.
- Inspecting&Adjusting finished products before arranging delivery.
- Support is offered for the product's installation instructions and technical queries.
- Upgrading the products to meet local market demands.
- Offering installation and maintenance instructions as well as component replacement.



COMPANY TIMELINES

In 2008, Mr. Xiao Meng founded the heat pump R&D base of GUANGDONG Y.K.R NEW ENERGY CO., LTD.

2008

In 2009, The first Air-source Heat Pump Water Heater was launched and won a great response from the market.

2009

In 2012, we have accumulated 13 kinds of heat pump categories, as well as a number of domestic patented technologies.

2012

In 2013, we have built heating and hot water projects in China and signed strategic cooperation agreements with numerous famous Chinese universities to help the education industry in China.

2013

In 2016, we officially deployed the wholesale channels of the Chinese market and signed a contract with 3,000 companies as their after-sales outlets, established 8 provincial-level offices of the company, and realized the nationalization of the brand.

2016

In 2017, we had up to 562 agents in the Chinese market and were shortlisted as the winning company for multiple national "Coal to Electricity" projects in China.

2017

In 2018, Guangdong Y.K.R New Energy Co., Ltd. was established to officially enter the overseas market. The main areas are Europe, the United States, etc. In the same year, the export of roof-top air conditioner to the United States reached 30 million dollars.

2018

In 2021, we were recognized by the state as a high-tech enterprise. R32 Heating&Cooling&Hot Water Heat Pump with all new design was launched as YK04 Series for the European market.

2021

In 2019, the latest research and development of overseas heating, cooling, and hot water heat pump was launched, and the products have been exported to Spain, the Czech Republic, Germany, Poland, and Finland in the same year. Sweden, France and many other European countries. In 2019, we were recognized by the state as a contract-abiding and creditworthy enterprise with credit rating AAA. Collaborated with more than 40 overseas distributors.

2019

In 2022, we have established an European office in Frankfurt, and a Technology R&D Center in Kaiserslautern, German .In the same year, we participated in the MCE exhibition in Italy, and our overseas export volume exceeded 100 million dollars.

2022

2023 Rapidly developing, let's expect

2023



GLOBAL STRATEGIC PARTNERS



Y.K.R focuses on heat pump technology research and development, and we are always looking for qualified components for our heat pumps. We collaborate with numerous global brand suppliers, as well as our strong global supply network, improving the stability of Y.K.R heat pumps.

Y.K.R already provides Heating&Cooling+Hot Water heat pumps to consumers across the world, and we'll keep improving more affordable energy-saving solutions for them.



☐ CORE ACCESSORIES



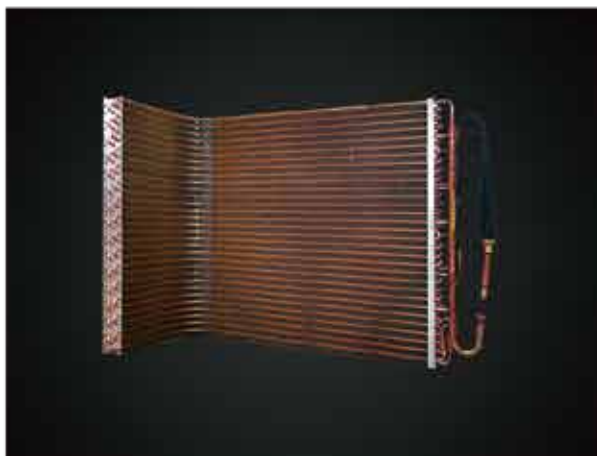
01 EVI DC-INVERTER COMPRESSOR

Panasonic from Japan and Emerson from the United States, heat pump frequency conversion compressors with Energy Saving, High Efficiency, Low Noise, and Stable Operation advantages.



02 PLATE HEAT EXCHANGER

High Heat Exchange Efficiency, Lower Heat Loss, Compact Structure.



03 FIN HEAT EXCHANGER

Integral Internal Thread Hydrophilic Fin Heat Exchanger Membrane, Easy to Defrost and Stable Operating.



04 DC FAN

Bringing Large Air Volume, Lower Energy Consumption, Lower Noise, and Longer Working Life.



05 HUALU ELECTRONIC EXPANSION VALVE

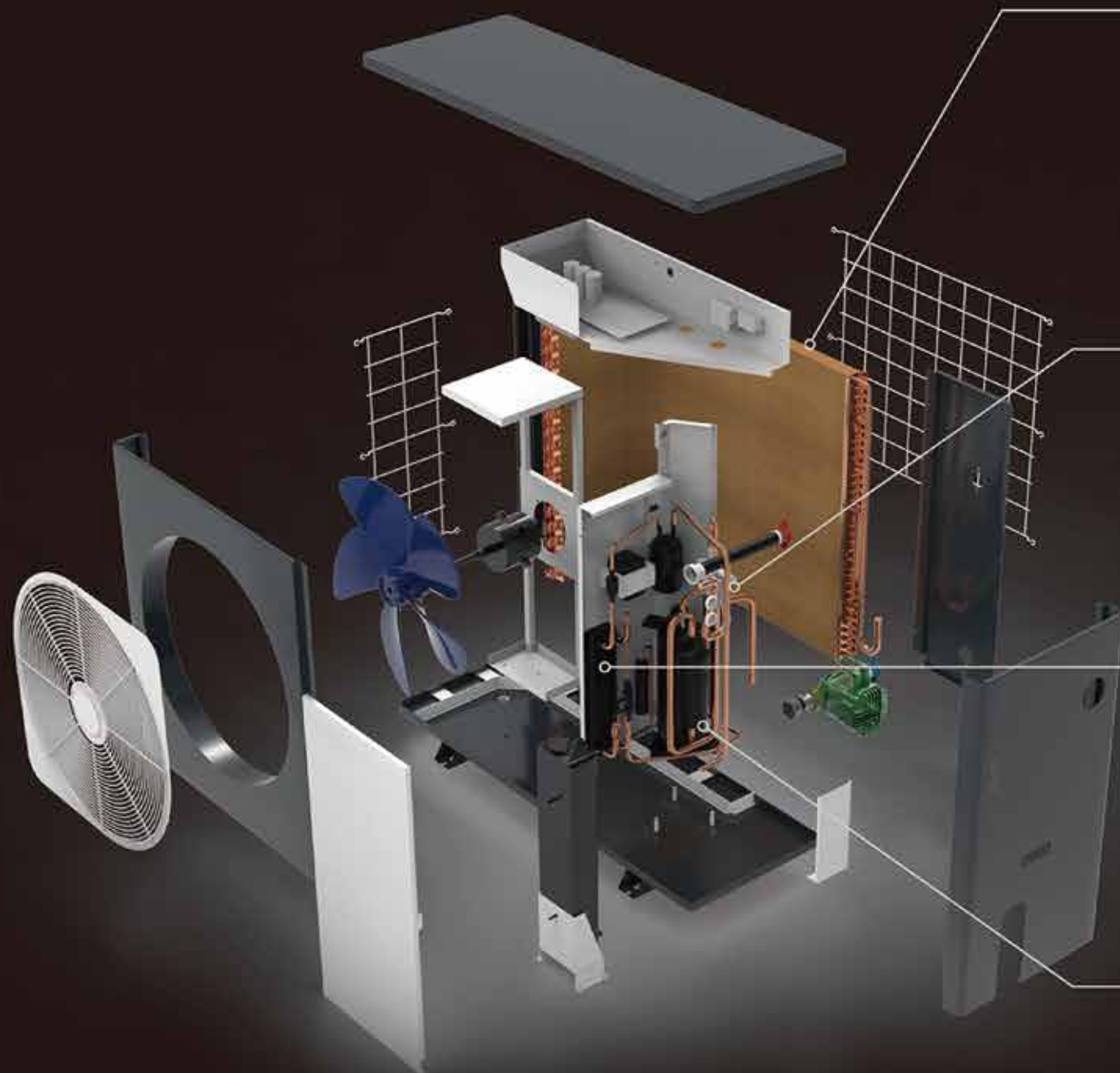
Larger Adjustment Range, High and Quick and Sensitivity Action, Adjustment Precisely, Stable and Reliable Component.



06 FOUR-WAY VALVE

Worldwide Famous Four-way Valve, Electromagnetic Coil Control Conversion System, Highly Anti-Electro-Magnetic Strength, Faster Control Respond.

PRODUCT EXPLODED DRAWING



Components from the well-known brand, more stable, environmentally friendly, and efficient.

01

FIN HEAT EXCHANGER

Integral Internal Thread Hydrophilic Fin Heat Exchanger Membrane, Easy to Defrost and Stable Operating.

02

FOUR-WAY VALVE

Worldwide Famous Four-way Valve, Electromagnetic Coil Control Conversion System, Highly Anti-ElectroMagnetic Strength, Faster Control Respond.

03

PLATE HEAT EXCHANGER

High Heat Exchange Efficiency, Lower Heat Loss, Compact Structure.

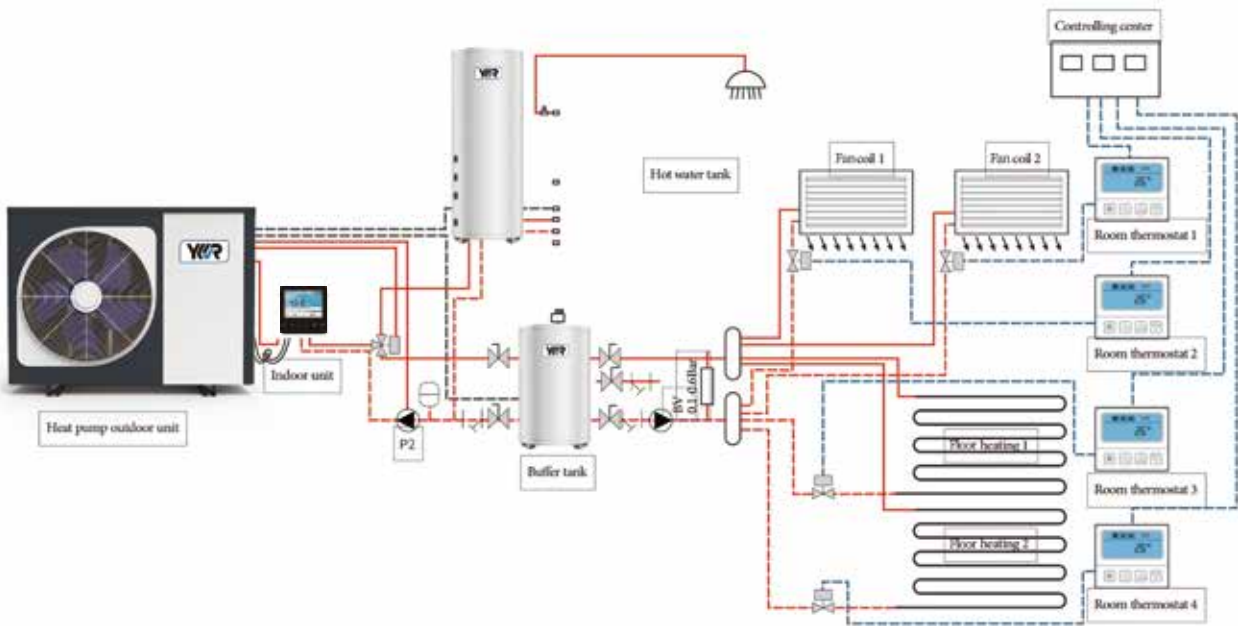
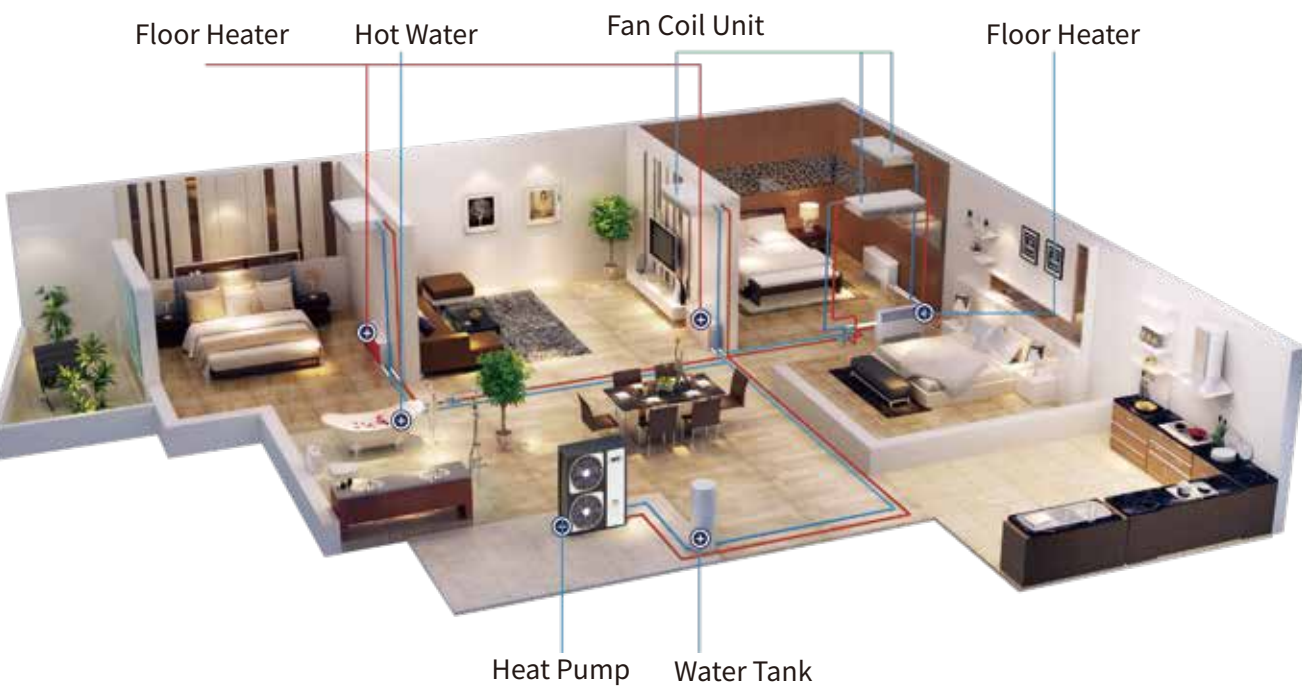
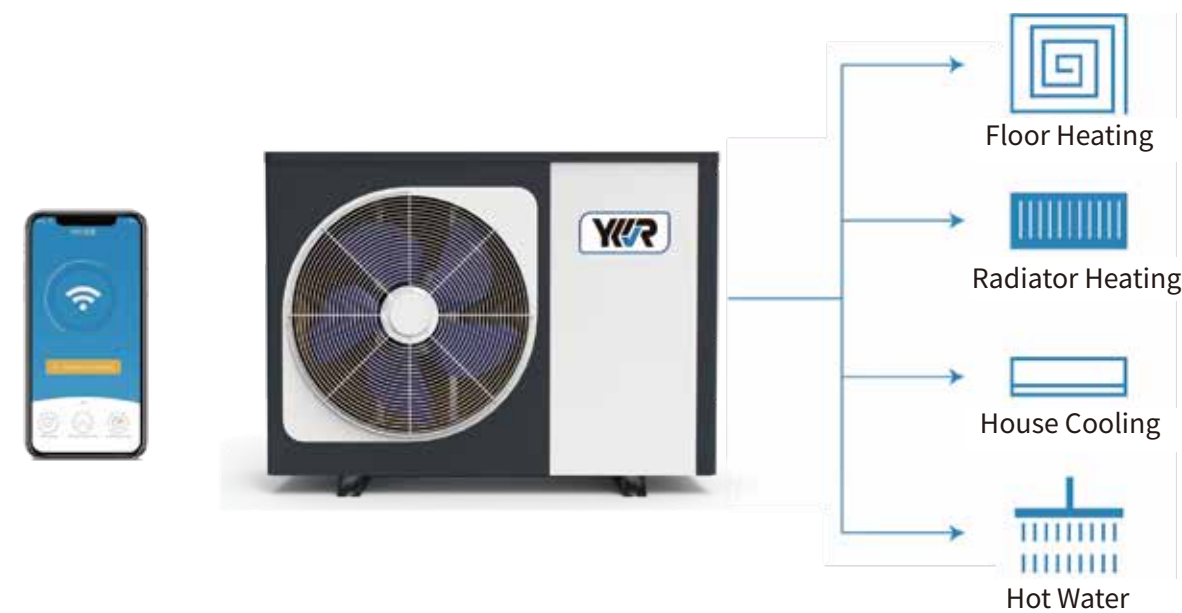
04

EVI-INVERTER COMPRESSOR

Panasonic from Japan and Emerson from the United States, heat pump frequency conversion compressors with Energy Saving, High Efficiency, Low Noise, and Stable Operation advantages.

EVI DC INVERTER HEAT PUMP

YKR's self-developed online intelligent remote control system has highly integrated control functions that can be accessed via a remote APP. The system is simple to use, stable in operation, and truly intelligent, achieving man-machine separation.



RESIDENTIAL HEAT PUMP UNIT



Intelligent



Heating



Hot Water



Cooling



Intelligent



Heating

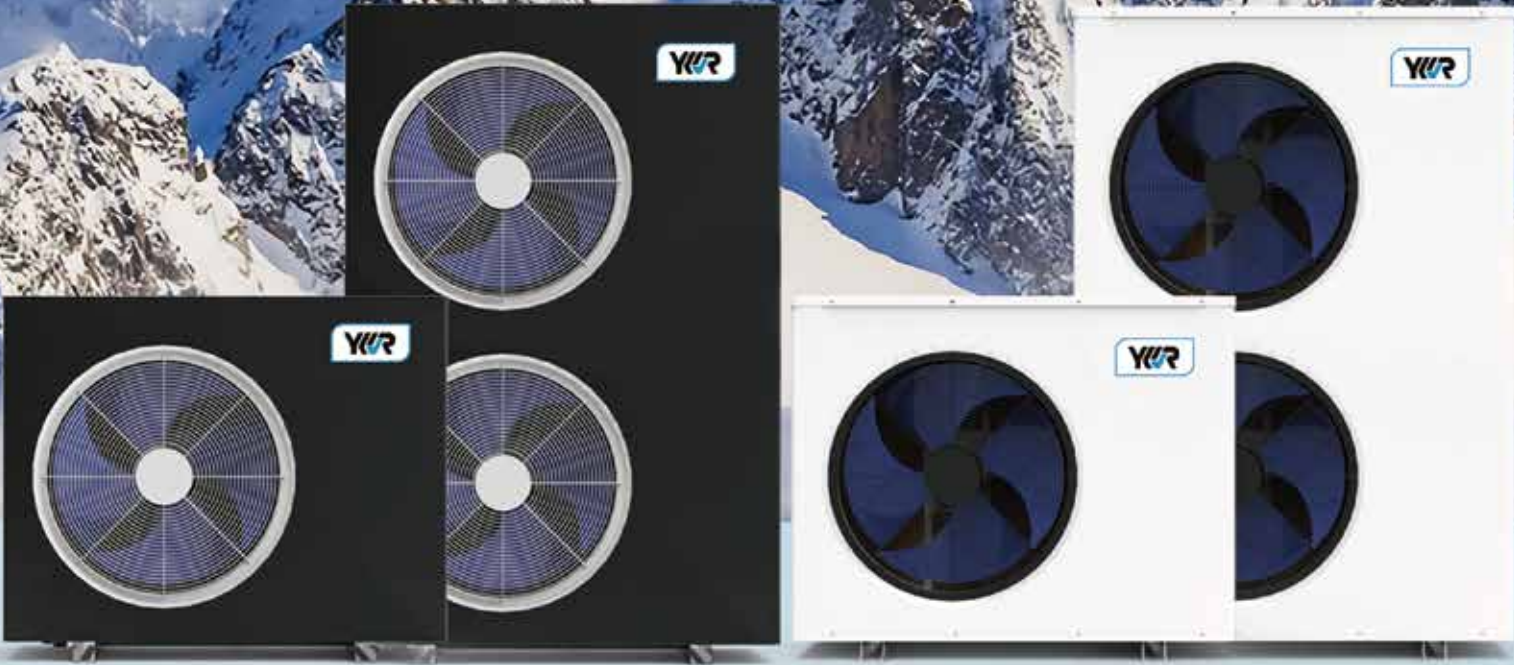


Hot Water



Cooling

YKR R290 MONOBLOC
INVERTER HEAT PUMP



Intelligent



Heating



Hot Water



Cooling

Model			YK-02/BPKTR2	YK-03/BPKTR2	YK-04/BPKTR2	YK-05/BPKTR2	YK-02/BPKTR2-S	YK-03/BPKTR2-S	YK-04/BPKTR2-S	YK-05/BPKTR2-S
Power Supply		V/Ph/Hz	220-240/~50				380-415/3N~/50			
			Heating Condition-Ambient temperature（DB/WB）：7/6℃，Water temperature（In/Out）：30/35℃							
Heating Capacity Range		kW	4.1~9.2	5.4~12.2	6.8~15.2	8.2~18.2	4.1~9.2	5.4~12.2	6.8~15.2	8.2~18.2
Heating power Input Range		kW	0.85~2.21	1.11~2.92	1.39~3.60	1.69~4.36	0.85~2.21	1.11~2.92	1.39~3.60	1.69~4.36
COP		W/W	4.15~4.82	4.18~4.85	4.22~4.90	4.18~4.86	4.15~4.82	4.18~4.85	4.22~4.90	4.18~4.86
			Heating Condition-Ambient temperature（DB/WB）：7/6℃，Water temperature（In/Out）：47/55℃							
Heating Capacity Range		kW	3.9~8.7	5.2~11.5	6.5~14.3	7.8~17.1	3.9~8.7	5.2~11.5	6.5~14.3	7.8~17.1
Heating power Input Range		kW	1.13~3.01	1.50~3.97	1.87~4.96	2.26~5.97	1.13~3.01	1.50~3.97	1.87~4.96	2.26~5.97
COP		W/W	2.86~3.45	2.87~3.46	2.88~3.48	2.86~3.45	2.86~3.45	2.87~3.46	2.88~3.48	2.86~3.45
			DHW Condition-Ambient temperature（DB/WB）：7/6℃，Water temperature（Start/End）：15/55℃							
Heating Capacity Range		kW	3.8~8.6	5.1~11.3	6.4~14.1	7.6~16.8	3.8~8.6	5.1~11.3	6.4~14.1	7.6~16.8
Heating power Input Range		kW	0.863~2.30	1.15~3.00	1.44~3.73	1.72~4.48	0.863~2.30	1.15~3.00	1.44~3.73	1.72~4.48
COP		W/W	3.73~4.4	3.76~4.43	3.78~4.45	3.75~4.42	3.73~4.4	3.76~4.43	3.78~4.45	3.75~4.42
			Cooling Condition-Ambient temperature（DB/WB）：35/24℃，Water temperature（In/Out）：12/7℃							
Cooling Capacity Range		kW	3.08~6.7	4.05~8.8	5.57~12.1	6.08~13.2	3.08~6.7	4.05~8.8	5.57~12.1	6.08~13.2
Cooling power Input Range		kW	0.905~2.39	1.19~3.16	1.64~4.32	1.79~4.75	0.905~2.39	1.19~3.16	1.64~4.32	1.79~4.75
EER		W/W	2.8~3.4	2.78~3.38	2.8~3.4	2.78~3.39	2.8~3.4	2.78~3.38	2.8~3.4	2.78~3.39
Max. Power Input		kW	3.7	4.8	5.7	6.8	3.7	4.8	5.7	6.8
Max. Current Input		A	16.5	21	25	30	6.1	7.8	9.2	11.1
SCOP Level (35℃)			A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++
SCOP Level (55℃)			A++	A++	A++	A++	A++	A++	A++	A++
Working Ambient Temperature		℃	- 25~43							
Operating Water Temperature		℃	7~70							
Refrigerant			R290							
Compressor	Type - Quantity/System		Twin Rotary -1	Twin Rotary -1	Twin Rotary -1	Twin Rotary -1	Twin Rotary -1	Twin Rotary -1	Twin Rotary -1	Twin Rotary -1
Water Side Heat Exchanger	Type		Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger
	Water Pressure Drop	kPa	20	23	25	28	20	23	25	28
	Piping Connection	inch	G1"	G1"	G1"	G1"	G1"	G1"	G1"	G1"
Allowable Water Flow		m³/h	1.6	2.1	2.61	3.13	1.6	2.1	2.61	3.13
Noise Level		dB(A)	45	46	47	48	45	46	47	48
Net Size(LxDxH)		mm	1087×510×890	1087×510×890	1087×510×1470	1087×510×1470	1087×510×890	1087×510×890	1087×510×1470	1087×510×1470
Packing Size(LxDxH)		mm	1127×550×1030	1127×550×1030	1127×550×1610	1127×550×1610	1127×550×1030	1127×550×1030	1127×550×1610	1127×550×1610
Net Weight		kg	95	105	142	150	95	105	142	150
Gross Weight		kg	104	114	153	161	104	114	153	161

Note: Heating condition 1: Water inlet/outlet temperature:30℃/35℃, Ambient temperature:DB 7℃/WB 6℃;
Heating condition 2: Water inlet/outlet temperature:40℃/45℃, Ambient temperature:DB 7℃/WB 6℃;
Cooling condition 1: Water inlet/outlet temperature:23℃/18℃, Ambient temperature:DB 35℃/WB 24℃;
Cooling condition 2: Water inlet/outlet temperature:12℃/7℃, Ambient temperature:DB 35℃/WB 24℃;

YKR R32 MONOBLOC EVI FULL INVERTER HEAT PUMP



Intelligent



Heating



Hot Water



Cooling

Model			YK-03/BPKTR3	YK-04/BPKTR3	YK-03/BPKTR3-S	YK-04/BPKTR3-S	YK-05/BPKTR3
Power Supply		V/Ph/Hz	220-240/~/50	220-240/~/50	380-415/3N~/50	380-415/3N~/50	220-240/~/50
Heating1	Max. Heating Capacity	kW	9.1	12	9.1	12	16
	COP	W/W	4.5	4.48	4.5	4.48	4.51
	Heating Capacity Min./Max.	kW	4.0/9.1	5.3/12	4.0/9.1	5.3/12	7.6/16
	Heating power Input Min./Max.	kW	0.727/2.02	0.97/2.68	0.727/2.02	0.97/2.68	1.31/3.55
	COP Min./Max.	W/W	4.5/5.5	4.48/5.46	4.5/5.5	4.48/5.46	4.51/5.8
Heating2	Max. Heating Capacity	kW	8.5	11.1	8.5	11.1	15.5
	COP	W/W	3.6	3.58	3.6	3.58	3.8
	Heating Capacity Min./Max.	kW	3.8/8.5	4.8/11.1	3.8/8.5	4.8/11.1	7.3/15.5
	Heating power Input Min./Max.	kW	0.863/2.36	1.1/3.1	0.863/2.36	1.1/3.1	1.49/4.08
	COP Min./Max.	W/W	3.6/4.4	3.58/4.35	3.6/4.4	3.58/4.35	3.8/4.9
Cooling1	Max. Cooling Capacity	kW	8.2	10.8	8.2	10.8	14.5
	EER	W/W	3.45	3.42	3.45	3.42	3.55
	Cooling Capacity Min./Max.	kW	3.6/8.2	4.6/10.8	3.6/8.2	4.6/10.8	6.8/14.5
	Cooling Power Input Min./Max.	kW	0.878/2.38	1.135/3.15	0.878/2.38	1.135/3.15	1.62/4.08
	EER Min./Max.	W/W	3.45/4.1	3.42/4.05	3.45/4.1	3.42/4.05	3.55/4.19
Cooling2	Max. Cooling Capacity	kW	6.6	8.7	6.6	8.7	10.9
	EER	W/W	2.8	2.78	2.8	2.78	2.79
	Cooling Capacity Min./Max.	kW	3.05/6.6	3.92/8.7	3.05/6.6	3.92/8.7	5.9/11.9
	Cooling Power Input Min./Max.	kW	0.871/2.35	1.12/3.12	0.871/2.35	1.12/3.12	1.64/4.12
	EER Min./Max.	W/W	2.8/3.5	2.78/3.48	2.8/3.5	2.78/3.48	2.89/3.6
Rated Current		A	9	11.9	3	4	15.5
Max Current		A	14.5	19	5	6.6	25
SCOP Level (35°C)			A+++	A+++	A+++	A+++	A+++
SCOP Level (55°C)			A++	A++	A++	A++	A++
Working Ambient Temperature		℃	- 30~43	- 30~43	- 30~43	- 30~43	- 30~43
Operating Water Temperature		℃	7~60	7~60	7~60	7~60	7~60
Refrigerant			R32	R32	R32	R32	R32
Compressor	Type - Quantity/System		Twin Rotary -1	Twin Rotary -1	Twin Rotary -1	Twin Rotary -1	Twin Rotary -1
Fan	Quantity		1	1	1	1	2
	Airflow	m³/h	3000	3300	3000	3300	6000
	Rated power	W	90	100	90	100	180
Water Side Heat Exchanger	Type		Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger
	Water Pressure Drop	kPa	20	23	20	23	25
	Piping Connection	inch	G1"	G1"	G1"	G1"	G1"
Allowable Water Flow	Min./Rated./Max.	m³/h	0.95/1.6/1.8	1.3/2.1/2.4	0.95/1.6/1.8	1.3/2.1/2.4	1.5/2.75/3.0
Noise Level		dB(A)	53	54	53	54	56
Net Size(LxDxH)		mm	1085×430×824	1085×430×824	1085×430×824	1085×430×824	1104×445×1350
Packing Size(LxDxH)		mm	1130×440×960	1130×440×960	1130×440×960	1130×440×960	1140×450×1490
Net Weight		kg	85	85	87	87	132
Gross Weight		kg	94	94	96	96	143
Loading Quantity (20GP/40HQ)			44/96	44/96	44/96	44/96	22/48

Note: Heating condition 1: Water inlet/outlet temperature:30 C /35 C , Ambient temperature:DB 7 C /WB 6 C ;
Heating condition 2: Water inlet/outlet temperature:40 C /45 C , Ambient temperature:DB 7 C /WB 6 C ;
Cooling condition 1: Water inlet/outlet temperature:23 C /18 C , Ambient temperature:DB 35 C /WB 24 C ;
Cooling condition 2: Water inlet/outlet temperature:12 C /7 C , Ambient temperature:DB 35 C /WB 24 C ;

YKR R32 MONOBLOC EVI FULL
INVERTER HEAT PUMP



Intelligent



Heating



Hot Water

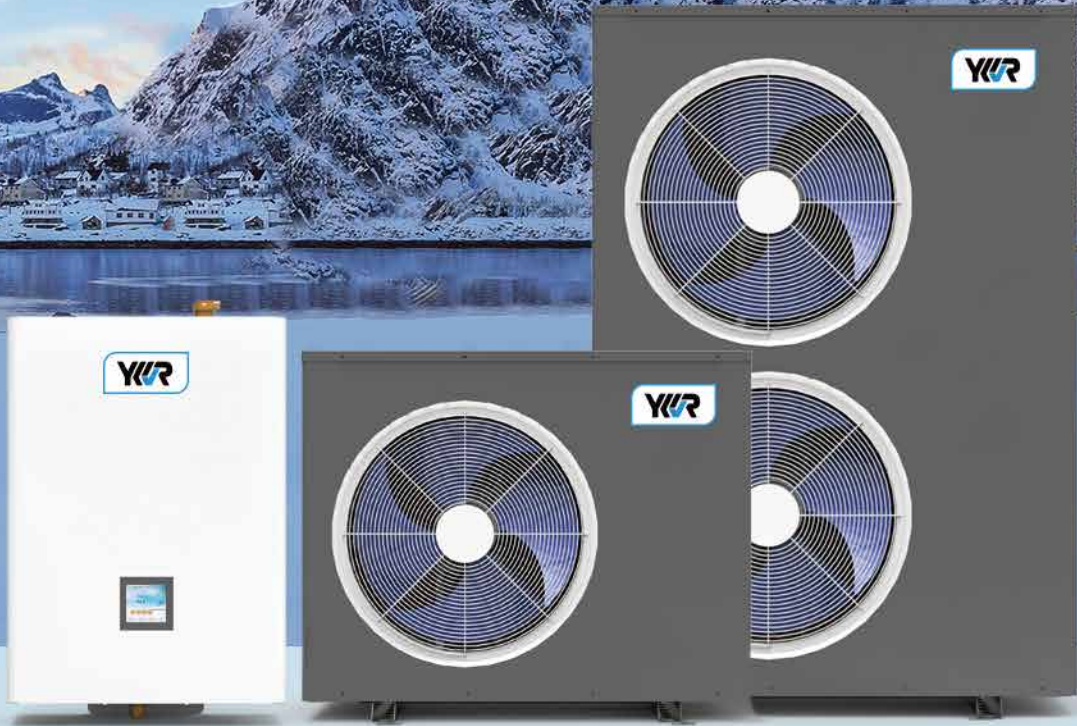


Cooling

Model			YK-06/BPKTR3	YK-05/BPKTR3-S	YK-06/BPKTR3-S	YK-08/BPKTR3-S	YK-10/BPKTR3-S
Power Supply		V/Ph/Hz	220-240/~/50	380-415/3N~/50	380-415/3N~/50	380-415/3N~/50	380-415/3N~/50
Heating1	Max. Heating Capacity	kW	18.6	16	18.6	24	30
	COP	W/W	4.47	4.51	4.47	4.48	4.46
	Heating Capacity Min./Max.	kW	8.2/18.6	7.6/16	8.2/18.6	10.56/24	13.2/30
	Heating power Input Min./Max.	kW	1.5/4.16	1.31/3.55	1.5/4.16	1.93/5.36	2.42/6.73
	COP Min./Max.	W/W	4.47/5.45	4.51/5.8	4.47/5.45	4.48/5.46	4.46/5.45
Heating2	Max. Heating Capacity	kW	17.3	15.5	17.3	22.3	27.8
	COP	W/W	3.56	3.8	3.56	3.58	3.57
	Heating Capacity Min./Max.	kW	7.6/17.3	7.3/15.5	7.6/17.3	9.8/22.3	12.2/27.8
	Heating power Input Min./Max.	kW	1.75/4.85	1.49/4.08	1.75/4.85	2.25/6.23	2.81/7.78
	COP Min./Max.	W/W	3.57/4.34	3.8/4.9	3.57/4.34	3.58/4.35	3.57/4.34
Cooling1	Max. Cooling Capacity	kW	16.7	14.5	16.7	21.5	26.8
	EER	W/W	3.42	3.55	3.42	3.43	3.42
	Cooling Capacity Min./Max.	kW	7.2/16.7	6.8/14.5	7.2/16.7	9.4/21.5	11.8/26.8
	Cooling Power Input Min./Max.	kW	1.77/4.88	1.62/4.08	1.77/4.88	2.32/6.26	2.91/7.83
	EER Min./Max.	W/W	3.42/4.06	3.55/4.19	3.42/4.06	3.43/4.05	3.42/4.05
Cooling2	Max. Cooling Capacity	kW	13.5	10.9	13.5	17.5	21.7
	EER	W/W	2.78	2.79	2.78	2.79	2.78
	Cooling Capacity Min./Max.	kW	6.1/13.5	5.9/11.9	6.1/13.5	7.8/17.4	9.6/21.7
	Cooling Power Input Min./Max.	kW	1.76/4.85	1.64/4.12	1.76/4.85	2.24/6.24	2.78/7.80
	EER Min./Max.	W/W	2.78/3.46	2.89/3.6	2.78/3.46	2.79/3.48	2.78/3.45
Rated Current		A	18.5	6.1	6.2	7.8	9.8
Max Current		A	30	9.5	10	12.5	15.7
SCOP Level (35°C)			A+++	A+++	A+++	A+++	A+++
SCOP Level (55°C)			A++	A++	A++	A++	A++
Working Ambient Temperature		℃	- 30~43	- 30~43	- 30~43	- 30~43	- 30~43
Operating Water Temperature		℃	7~60	7~60	7~60	7~60	7~60
Refrigerant			R32	R32	R32	R32	R32
Compressor	Type - Quantity/System		Twin Rotary -1	Twin Rotary -1	Twin Rotary -1	Twin Rotary -1	Twin Rotary -1
Fan	Quantity		2	2	2	2	2
	Airflow	m³/h	6500	6000	6500	9000	11000
	Rated power	W	200	180	200	260	300
Water Side Heat Exchanger	Type		Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger
	Water Pressure Drop	kPa	28	25	28	30	32
	Piping Connection	inch	G1"	G1"	G1"	G1-1/4"	G1-1/4"
Allowable Water Flow	Min./Rated./Max.	m³/h	1.9/3.2/3.9	1.5/2.75/3.0	1.9/3.2/3.9	2.9/4.2/5.0	3.6/5.2/6.3
Noise Level		dB(A)	57	56	57	58	59
Net Size(LxDxH)		mm	1104×445×1350	1104×445×1350	1104×445×1350	1308×470×1460	1308×470×1460
Packing Size(LxDxH)		mm	1140×450×1490	1140×450×1490	1140×450×1490	1350×495×1600	1350×495×1600
Net Weight		kg	137	132	137	161	167
Gross Weight		kg	148	143	148	177	183
Loading Quantity (20GP/40HQ)			22/48	22/48	22/48	19/41	19/41

Note: Heating condition 1: Water inlet/outlet temperature:30℃/35℃ , Ambient temperature:DB 7℃/WB 6℃;
Heating condition 2: Water inlet/outlet temperature:40℃/45℃ , Ambient temperature:DB 7℃/WB 6℃;
Cooling condition 1: Water inlet/outlet temperature:23℃/18℃ , Ambient temperature:DB 35℃/WB 24℃;
Cooling condition 2: Water inlet/outlet temperature:12℃/7℃ , Ambient temperature:DB 35℃/WB 24℃;

YKR R32 SPLIT EVI FULL
INVERTER HEAT PUMP



Intelligent



Heating



Hot Water



Cooling

Model			YK-03/BPKTR3-F	YK-04/BPKTR3-F	YK-03/BPKTR3-F-S	YK-04/BPKTR3-F-S
Power Supply		V/Ph/Hz	220-240/~/50	220-240/~/50	380-415/3N~/50	380-415/3N~/50
Heating1	Max. Heating Capacity	kW	9.1	12	9.1	12
	COP	W/W	4.5	4.48	4.5	4.48
	Heating Capacity Min./Max.	kW	4.0/9.1	5.3/12	4.0/9.1	5.3/12
	Heating power Input Min./Max.	kW	0.727/2.02	0.97/2.68	0.727/2.02	0.97/2.68
	COP Min./Max.	W/W	4.5/5.5	4.48/5.46	4.5/5.5	4.48/5.46
Heating2	Max. Heating Capacity	kW	8.5	11.1	8.5	11.1
	COP	W/W	3.6	3.58	3.6	3.58
	Heating Capacity Min./Max.	kW	3.8/8.5	4.8/11.1	3.8/8.5	4.8/11.1
	Heating power Input Min./Max.	kW	0.863/2.36	1.1/3.1	0.863/2.36	1.1/3.1
	COP Min./Max.	W/W	3.6/4.4	3.58/4.35	3.6/4.4	3.58/4.35
Cooling1	Max. Cooling Capacity	kW	8.2	10.8	8.2	10.8
	EER	W/W	3.45	3.42	3.45	3.42
	Cooling Capacity Min./Max.	kW	3.6/8.2	4.6/10.8	3.6/8.2	4.6/10.8
	Cooling Power Input Min./Max.	kW	0.878/2.38	1.135/3.15	0.878/2.38	1.135/3.15
	EER Min./Max.	W/W	3.45/4.1	3.42/4.05	3.45/4.1	3.42/4.05
Cooling2	Max. Cooling Capacity	kW	6.6	8.7	6.6	8.7
	EER	W/W	2.8	2.78	2.8	2.78
	Cooling Capacity Min./Max.	kW	3.05/6.6	3.92/8.7	3.05/6.6	3.92/8.7
	Cooling Power Input Min./Max.	kW	0.871/2.35	1.12/3.12	0.871/2.35	1.12/3.12
	EER Min./Max.	W/W	2.8/3.5	2.78/3.48	2.8/3.5	2.78/3.48
Rated Current		A	9	11.9	3	4
Max Current		A	14.5	19	5	6.6
SCOP Level (35°C)			A+++	A+++	A+++	A+++
SCOP Level (55°C)			A++	A++	A++	A++
Working Ambient Temperature		°C	- 30~43	- 30~43	- 30~43	- 30~43
Operating Water Temperature		°C	7~60	7~60	7~60	7~60
Refrigerant			R32	R32	R32	R32
Compressor	Type - Quantity/System		Twin Rotary -1	Twin Rotary -1	Twin Rotary -1	Twin Rotary -1
Fan	Quantity		1	1	1	1
	Airflow	m³/h	3000	3300	3000	3300
	Rated power	W	90	100	90	100
Water Side Heat Exchanger	Type		Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger
	Water Pressure Drop	kPa	20	23	20	23
	Piping Connection	inch	G1"	G1"	G1"	G1"
Allowable Water Flow	Min./Rated./Max.	m³/h	0.95/1.6/1.8	1.3/2.1/2.4	0.95/1.6/1.8	1.3/2.1/2.4
Noise Level		dB(A)	53	54	53	54
Outdoor Unit Size(LxDxH)		mm	1125×430×824	1125×430×824	1125×430×824	1125×430×824
Outdoor Packing Size(LxDxH)		mm	1130×440×960	1130×440×960	1130×440×960	1130×440×960
Indoor Unit Size(LxDxH)		mm	655×450×220	655×450×220	655×450×220	655×450×220
Indoor Packing Size(LxDxH)		mm	661×460×255	661×460×255	661×460×255	661×460×255
Outdoor unit Weight		kg	75	75	77	77
Outdoor Gross Weight		kg	84	84	86	86
Indoor Net Weight		kg	30	30	30	30
Indoor Gross Weight		kg	33	33	33	33

Note: Heating condition 1: Water inlet/outlet temperature:30 C/35 C , Ambient temperature:DB 7 C/WB 6 C;
Heating condition 2: Water inlet/outlet temperature:40 C/45 C , Ambient temperature:DB 7 C/WB 6 C;
Cooling condition 1: Water inlet/outlet temperature:23 C/18 C , Ambient temperature:DB 35 C/WB 24 C;
Cooling condition 2: Water inlet/outlet temperature:12 C/7 C , Ambient temperature:DB 35 C/WB 24 C;

YKR R32 SPLIT EVI FULL INVERTER HEAT PUMP



Intelligent



Heating



Hot Water

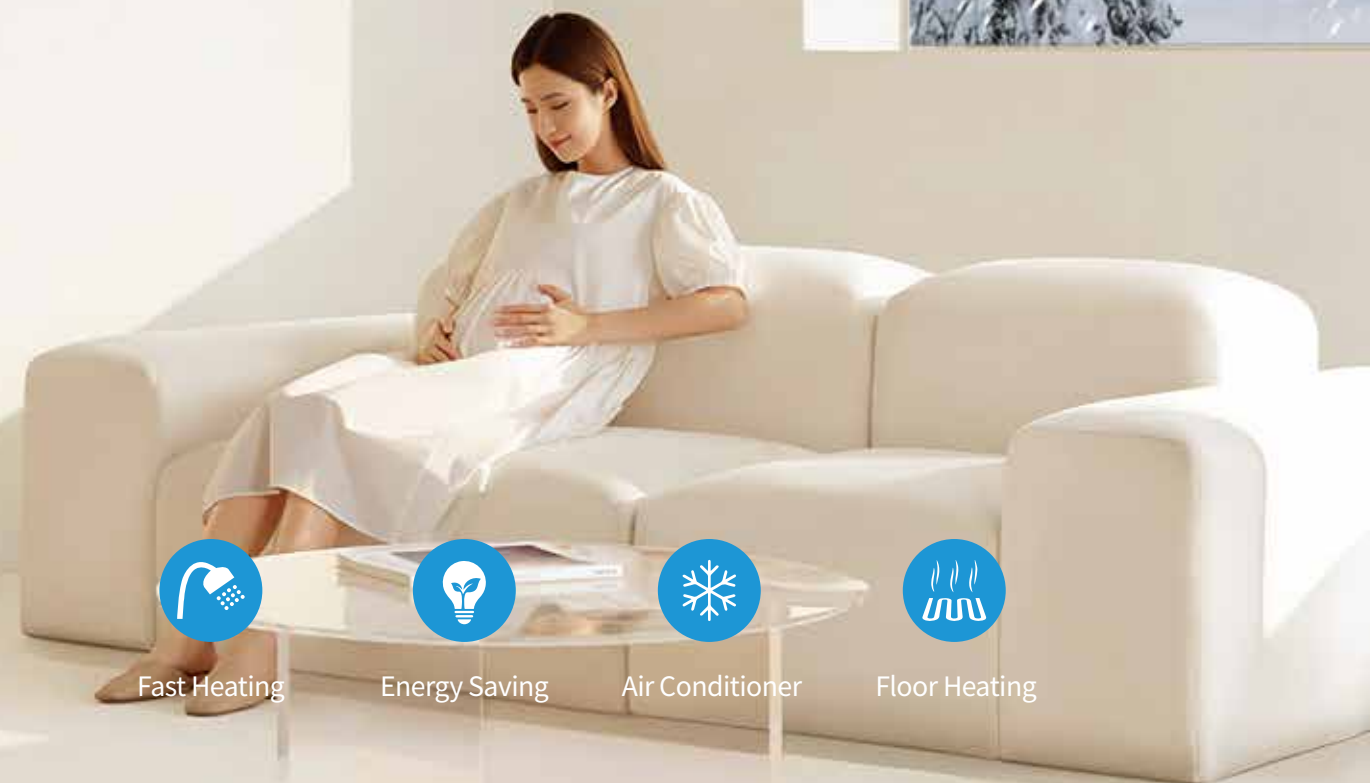


Cooling

Model			YK-05/BPKTR3-F	YK-06/BPKTR3-F	YK-05/BPKTR3-F-S	YK-06/BPKTR3-F-S
Power Supply		V/Ph/Hz	220-240/~/50	220-240/~/50	380-415/3N~/50	380-415/3N~/50
Heating1	Max. Heating Capacity	kW	15	18.6	15	18.6
	COP	W/W	4.5	4.47	4.5	4.47
	Heating Capacity Min./Max.	kW	6.6/15	8.2/18.6	6.6/15	8.2/18.6
	Heating power Input Min./Max.	kW	1.2/3.33	1.5/4.16	1.2/3.33	1.5/4.16
	COP Min./Max.	W/W	4.5/5.5	4.47/5.45	4.5/5.5	4.47/5.45
Heating2	Max. Heating Capacity	kW	14	17.3	14	17.3
	COP	W/W	3.6	3.56	3.6	3.56
	Heating Capacity Min./Max.	kW	6.1/14	7.6/17.3	6.1/14	7.6/17.3
	Heating power Input Min./Max.	kW	1.39/3.89	1.75/4.85	1.39/3.89	1.75/4.85
	COP Min./Max.	W/W	3.6/4.4	3.57/4.34	3.6/4.4	3.57/4.34
Cooling1	Max. Cooling Capacity	kW	13.5	16.7	13.5	16.7
	EER	W/W	3.45	3.42	3.45	3.42
	Cooling Capacity Min./Max.	kW	5.8/13.5	7.2/16.7	5.8/13.5	7.2/16.7
	Cooling Power Input Min./Max.	kW	1.41/3.91	1.77/4.88	1.41/3.91	1.77/4.88
	EER Min./Max.	W/W	3.45/4.09	3.42/4.06	3.45/4.09	3.42/4.06
Cooling2	Max. Cooling Capacity	kW	10.9	13.5	10.9	13.5
	EER	W/W	2.79	2.78	2.79	2.78
	Cooling Capacity Min./Max.	kW	4.9/10.9	6.1/13.5	4.9/10.9	6.1/13.5
	Cooling Power Input Min./Max.	kW	1.4/3.90	1.76/4.85	1.4/3.90	1.76/4.85
	EER Min./Max.	W/W	2.79/3.5	2.78/3.46	2.79/3.5	2.78/3.46
Rated Current		A	15	18.5	5	6.2
Max Current		A	24.5	30	8.2	10
SCOP Level (35°C)			A+++	A+++	A+++	A+++
SCOP Level (55°C)			A++	A++	A++	A++
Working Ambient Temperature		°C	- 30~43	- 30~43	- 30~43	- 30~43
Operating Water Temperature		°C	7~60	7~60	7~60	7~60
Refrigerant			R32	R32	R32	R32
Compressor	Type - Quantity/System		Twin Rotary -1	Twin Rotary -1	Twin Rotary -1	Twin Rotary -1
Fan	Quantity		2	2	2	2
	Airflow	m³/h	6000	6500	6000	6500
	Rated power	W	180	200	180	200
Water Side Heat Exchanger	Type		Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger
	Water Pressure Drop	kPa	25	28	25	28
	Piping Connection	inch	G1"	G1"	G1"	G1"
Allowable Water Flow	Min./Rated./Max.	m³/h	1.5/2.6/3.0	1.9/3.2/3.9	1.5/2.6/3.0	1.9/3.2/3.9
Noise Level		dB(A)	56	57	56	57
Outdoor Unit Size(LxDxH)		mm	1137×445×1350	1137×445×1350	1137×445×1350	1137×445×1350
Outdoor Packing Size(LxDxH)		mm	1140×450×1390	1140×450×1390	1140×450×1390	1140×450×1390
Indoor Unit Size(LxDxH)		mm	655×450×220	655×450×220	655×450×220	655×450×220
Indoor Packing Size(LxDxH)		mm	661×460×255	661×460×255	661×460×255	661×460×255
Outdoor unit Weight		kg	117	126	117	126
Outdoor Gross Weight		kg	128	137	128	137
Indoor Net Weight		kg	33	34	33	34
Indoor Gross Weight		kg	36	37	36	37

Note: Heating condition 1: Water inlet/outlet temperature:30 C/35 C , Ambient temperature:DB 7 C/WB 6 C;
Heating condition 2: Water inlet/outlet temperature:40 C/45 C , Ambient temperature:DB 7 C/WB 6 C;
Cooling condition 1: Water inlet/outlet temperature:23 C/18 C , Ambient temperature:DB 35 C/WB 24 C;
Cooling condition 2: Water inlet/outlet temperature:12 C/7 C , Ambient temperature:DB 35 C/WB 24 C;

WATER-GROUND SOURCE HEAT PUMP UNIT BRINGS YOU A WARM HOME



Fast Heating



Energy Saving



Air Conditioner



Floor Heating

Schematic diagram of water source heat pump system



Water (ground) source heat pump system is a kind of high efficiency and energy saving air conditioning system which can heat and refrigerate by using shallow underground geothermal resources.

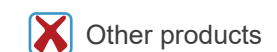
Comparison of advantages of water - ground source heat pump units



It is not affected by the ambient temperature, the ground temperature is constant 16~18° C throughout the year, and the heat pump is at the high efficiency point all year round, and there is no defrosting attenuation

Constant temperature and humidity, more gentle air flow, moisture is not lost, mild not dry, winter floor heating

One part electricity, four parts heat, COP>4.5 on demand; The water system has strong cold/heat storage function, which can avoid unnecessary energy consumption



The efficiency of central air conditioning will decrease greatly when the weather is hot and cold, and the -5°C environment will defrost frequently caused low efficiency and affected the indoor feeling.

Evaporative refrigerant, blowing gas through cold or overheating, easy to get air conditioning disease, winter heating and drying effect is poor, will sometimes hot and sometimes cold.

Gas boilers with excessive heating costs due to low energy efficiency and high unit price of gas.



WATER SOURCE HEAT PUMP MACHINE



Fast Heating



Energy Saving



Air Conditioner



Floor Heating



SMART WIFI CONTROL



INTELLIGENT CONTROLLER



FLOOR HEATING



HOT WATER HEATING



HOUSE COOLING



	model		YK-050/SY	YK-070/SY	YK-100/SY	YK-150/SY	YK-200/SY
Water ground source heat pump parameters	Specification	HP	5	7	10	15	20
	Nominal cooling capacity	kw	17	26	38	50	72
	Nominal heating capacity	kw	19	28	40	56	80
	Type of refrigerant		R410R/R32				
	refrigerant charge	kg	3.2×1	3.8×1	3.2×2	3.8×2	8.5×2
	Throttling method		Thermal expansion valve				
	Power type	Type	380V-3~50HZ				
Compressor Specifications	maximum working pressure	MPA	3	3	3	3	3
	Type		Fully enclosed flexible vortex				
	quantity	tower	1	1	1	1	1
	cooling input power	kw	4.4	6.2	9	12.3	17.5
Use side heat exchanger	Heating input power	kw	4.9	6.9	9.8	14.7	19.6
	Type		High Efficiency Shell and Tube Heat Exchanger				
	water flow	m³/h	3.5	5	7	10	14
Heat source side heat exchanger	Connection size	DN	32	32	40	40	65
	Type		High Efficiency Shell and Tube Heat Exchanger				
	water flow	m³/h	3.5	5	7	10	14
	Connection size	N D	32	32	40	40	65
	switch mode		waterway switching				

HEAT RECOVERY MULTI-FUNCTIONAL
COMMERCIAL HEAT PUMP



NORMAL TEMPERATURE PARAMETER

Unit Type	working condition	YK-050/QXLR	YK-070/QXLR
Power Specifications		380V/3N~50Hz	380V/3N~50Hz
The unit can be connected to the power cord [m2]		4	6
Anti-shock level		IClass	
Protection class		IPX4	
(35°C) Rated heat output [kW]	Refrigeration condition A35/24°C W12/7°C	14	18
(35°C) Rated heat dissipation power [kW]		5.18	6.4
(35°C) COPh		2.7	2.8
(7°C) Rated heat output [kW]	Heating condition A7/6°C W40/45°C	16	24
(7°C) Rated heat dissipation power [kW]		4.6	7
(7°C) COPh		3.47	3.4
Adjustable water temperature [°C]		12~50	12~50
Maximum set temperature [°C]		50	50
Rated water flow [m³/h]		2.5	3
Rated heat capacity [kW]		17.5	24.5
Rated heat consumption total power [kW]	Hot water condition A20/15°C W15/55°C	4.3	6
COPh		4.1	4.1
Adjustable water temperature [°C]		15~55	15~55
Maximum set temperature [°C]		55	55
Rated water flow [m³/h]		3.5	4.5
Maximum operating current [A]		12	15
Working ambient temperature [°C]		-15~43	-15~43
Refrigerant/charge [kg]		R410A/3.2x1	R410A/3.8x1
Noise [dB(A)]		≤55	≤60
Air conditioning pipe interface [DN]		25	32
Hot water pipe interface [DN]		25	32
Unit weight [kg]		180	200

Note:The above unit parameters are conventional factory parameters If you need to change the customization, please contact us

NOISE LEVEL



ENERGY SAVING



WORKING TEMPERATURE



PROTECTION GRADE



EVI PARAMETER

Unit Type	working condition	YK-050/QXLR	YK-070/QXLR
Power Specifications		380V/3N~50Hz	380V/3N~50Hz
The unit can be connected to the power cord [m2]		4	6
Anti-shock level		IClass	
Protection class		IPX4	
(35°C) Rated heat output [kW]	Refrigeration condition A35/24°C W12/7°C	14	18
(35°C) Rated heat dissipation power [kW]		5.18	6.4
(35°C) COPh		2.7	2.8
(-12°C) Rated heat output [kW]	Heating condition A-12/-14°C W36/41°C	10.6	14
(-12°C) Rated heat dissipation power [kW]		4	5.4
(-12°C) COPh		2.6	2.6
(-20°C) Rated heat capacity [KW]	Heating condition A-20/-21°C W36/41°C	8.7	10.5
(-20°C) Rated heat dissipation power [kW]		4.15	5
(-20°C) COPh		2.1	2.1
(-25°C) Rated heat capacity [KW]	Hot water condition A25/26°C W36/41°C	7.65	8.3
(-25°C) Rated heat dissipation power [kW]		4	4.36
(-25°C) COPh		1.9	1.9
Adjustable water temperature [°C]		12~50	12~50
Maximum outlet water temperature [°C]		50	50
Rated water flow [m³/h]		2.5	3
Hot water parameters Rated heat capacity [kW]	Hot water condition A20/15°C W15/55°C	18.9	25.5
Rated heat consumption total power [kW]		4.4	6.02
COPh		4.3	4.2
Adjustable water temperature [°C]		15~55	15~55
Maximum set temperature [°C]		55	55
Rated water flow [m³/h]		3.5	5
Maximum operating current [A]		12	15
Working ambient temperature [°C]		-25~43	-25~43
Refrigerant/charge [kg]		R410A/2.8x1	R410A/3.5x1
Noise [dB(A)]		≤55	≤60
Air conditioning pipe interface [DN]		25	32
Hot water pipe interface [DN]		25	32
Unit weight [kg]		180	200

Note:The above unit parameters are conventional factory parameters If you need to change the customization, please contact us

HEAT RECOVERY MULTI-FUNCTIONAL
COMMERCIAL HEAT PUMP



NORMAL TEMPERATURE PARAMETER

Unit Type	working condition	YK-100/QXLR	YK-150/QXLR
Power Specifications		380V/3N~50Hz	380V/3N~50Hz
The unit can be connected to the power cord [m2]		6	10
Anti-shock level		IClass	
Protection class		IPX4	
(35°C) Rated heat output [kW]	Refrigeration condition A35/24°C W12/7°C	28	36
(35°C) Rated heat dissipation power [kW]		10.2	13
(35°C) COPh		2.7	2.76
(7°C) Rated heat output [kW]	Heating condition A7/6°C W40/45°C	37	46
(7°C) Rated heat dissipation power [kW]		10.8	13.5
(7°C) COPh		3.42	3.4
Adjustable water temperature [°C]		12~50	12~50
Maximum set temperature [°C]		50	50
Rated water flow [m³/h]		4.8	6.2
Rated heat capacity [kW]		35	49
Rated heat consumption total power [kW]	Hot water condition A20/15°C W15/55°C	8.5	12
COPh		4.12	4.1
Adjustable water temperature [°C]		15~55	15~55
Maximum set temperature [°C]		55	55
Rated water flow [m³/h]		6	9
Maximum operating current [A]		24	33
Working ambient temperature [°C]		-58	-58
Refrigerant/charge [kg]		R410A/7x1	R410A/9x1
Noise [dB(A)]		≤68	≤70
Air conditioning pipe interface [DN]		40	40
Hot water pipe interface [DN]		40	40
Unit weight [kg]		300	320

Note:The above unit parameters are conventional factory parameters If you need to change the customization, please contact us

NOISE LEVEL



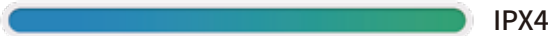
WORKING TEMPERATURE



ENERGY SAVING



PROTECTION GRADE



EVI PARAMETER

Unit Type	working condition	YK-100/QXLR	YK-150/QXLR
Power Specifications		380V/3N~50Hz	380V/3N~50Hz
The unit can be connected to the power cord [m2]		6	10
Anti-shock level		IClass	
Protection class		IPX4	
(35°C) Rated heat output [kW]	Refrigeration condition A35/24°C W12/7°C	28	36
(35°C) Rated heat dissipation power [kW]		10.2	13
(35°C) COPh		2.7	2.76
(-12°C) Rated heat output [kW]	Heating condition A-12/-14°C W36/41°C	22	29
(-12°C) Rated heat dissipation power [kW]		8.4	10.8
(-12°C) COPh		2.61	2.68
(-20°C) Rated heat capacity [kW]	Heating condition A-20/-21°C W36/41°C	19.5	22.8
(-20°C) Rated heat dissipation power [kW]		9.3	10.86
(-20°C) COPh		2.1	2.1
(-25°C) Rated heat capacity [kW]	Hot water condition A25/26°C W36/41°C	17.5	20.7
(-25°C) Rated heat dissipation power [kW]		9.2	10.9
(-25°C) COPh		1.9	1.9
Adjustable water temperature [°C]		12~50	12~50
Maximum outlet water temperature [°C]		50	50
Rated water flow [m³/h]		4.8	6.2
Hot water parameters Rated heat capacity [kW]		40	55
Rated heat consumption total power [kW]	Hot water condition A20/15°C W15/55°C	9.5	12.8
COPh		4.3	4.3
Adjustable water temperature [°C]		15~55	15~55
Maximum set temperature [°C]		55	55
Rated water flow [m³/h]		7	10
Maximum operating current [A]		24	33
Working ambient temperature [°C]		-25~43	-25~43
Refrigerant/charge [kg]		R410A/3.2x2	R410A/4.3x2
Noise [dB(A)]		≤68	≤70
Air conditioning pipe interface [DN]		40	40
Hot water pipe interface [DN]		40	40
Unit weight [kg]		280	320

Note:The above unit parameters are conventional factory parameters If you need to change the customization, please contact us

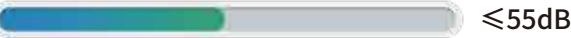
COMMERCIAL HOT WATER
HEAT PUMP



ENERGY SAVING



NOISE LEVEL



WORKING TEMPERATURE



NORMAL TEMPERATURE PARAMETER

Unit Type	working condition	YK-030/RS	YK-050/RS	YK-070/RS
Power Specifications		220V/50Hz	380V/3N~50Hz	380V/3N~50Hz
The unit can be connected to the power cord [m2]		2.5	4	6
Anti-shock level		IClass		
Protection class		IPX4		
(20°C) Rated heat output [kW]	Refrigeration condition A35/24°C W12/7°C	10	17.5	24.5
(20°C) Rated heat dissipation power [kW]		2.6	4.3	6
(20°C) COPh		3.85	4.1	4.1
(7°C) Rated heat output [kW]	Heating condition A7/6°C W40/45°C	8	13.2	22
(7°C) Rated heat dissipation power [kW]		2.5	4.1	6.9
(7°C) COPh		3.2	3.2	3.2
Maximum operating current [A]	Hot water condition A20/15°C W15/55°C	15	12	15
Working ambient temperature [°C]		- 7~43		
Adjustable water temperature [°C]		15~55		
Maximum set temperature [°C]		55		
Rated water flow [m3/h]		2	3.5	4.5
Rated water production [L/H]		220	350	535
Refrigerant/charge [kg]		R410A/2x1	R410A/3.5x1	R410A/3.8x1
Overall dimensions of the unit [mm]		720x720x860	750x750x1060	750x750x1060
Noise [dB(A)]		≤50	≤55	≤60
Water pipe connection [DN]		25		
Unit weight [kg]		122	140	165

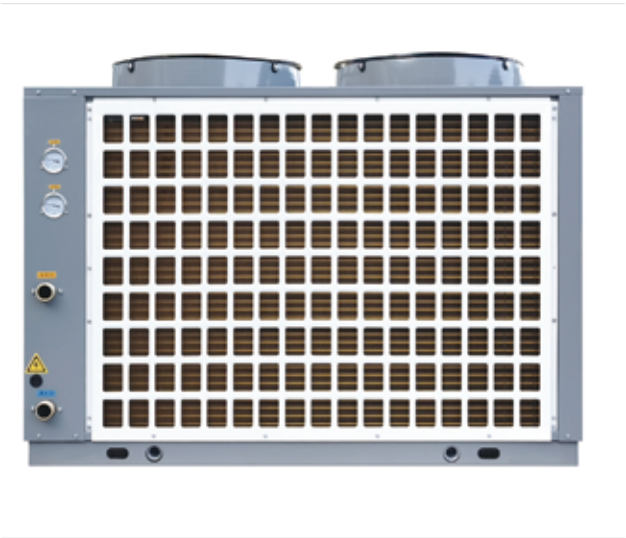
Note:The above unit parameters are conventional factory parameters If you need to change the customization, please contact us

EVI PARAMETER

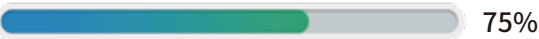
Unit Type	working condition	YK-030/RS	YK-050/RS	YK-070/RS
Power Specifications		220V/50Hz	380V/3N~50Hz	380V/3N~50Hz
The unit can be connected to the power cord [m2]		2.5	4	6
Anti-shock level		IClass		
Protection class		IPX4		
(20°C) Rated heat output [kW]	A20/15°C W15/55°C	10.5	18.9	25.5
(20°C) Rated heat dissipation power [kW]		2.38	4.15	5.69
(20°C) COPh		4.41	4.55	4.48
(7°C) Rated heat output [kW]	A7/8°C W9/55°C	7.56	13.12	17.06
(7°C) Rated heat dissipation power [kW]		2.44	4.1	5.25
(7°C) COPh		3.1	3.2	3.25
(-12°C) Rated heat output [kW]	A-12/-14°C W9/55°C	6.2	10.94	12
(-12°C) Rated heat dissipation power [kW]		2.5	4.6	5
(-12°C) COPh			2.38	2.4
Maximum operating current [A]		15	12	15
Working ambient temperature [°C]		- 30~43		
Adjustable water temperature [°C]		15~55		
Maximum set temperature [°C]		55		
Rated water flow [m3/h]		1.8	3.3	4.5
Rated water production [L/H]		215	420	588
Refrigerant/charge [kg]		R22/R410A/2x1	R22/R410A/3.2x1	R22/R410A/3.8x1
Overall dimensions of the unit [mm]		720x720x860	750x750x1060	750x750x1060
Noise [dB(A)]		≤50	≤55	≤60
Water pipe connection [DN]		25		
Unit weight [kg]		122	140	165

Note:The above unit parameters are conventional factory parameters If you need to change the customization, please contact us

COMMERCIAL HOT WATER
HEAT PUMP



ENERGY SAVING



NOISE LEVEL



WORKING TEMPERATURE



RESIDENTIAL



HOTEL

NORMAL TEMPERATURE PARAMETER

Unit Type	working condition	YK-100/RS	YK-120/RS	YK-150/RS
Power Specifications		380V/3N~50Hz	380V/3N~50Hz	380V/3N~50Hz
The unit can be connected to the power cord [m2]		6	6	10
Anti-shock level		IClass		
Protection class		IPX4		
(20°C) Rated heat output [kW]	A20/15°C W15/55°C	35	42	49
(20°C) Rated heat dissipation power [kW]		8.5	10	12
(20°C) COPh		4.12	4.2	4.1
(7°C) Rated heat output [kW]	A7/8°C W9/55°C	28.5	38	44
(7°C) Rated heat dissipation power [kW]		8.9	11.9	14
(7°C) COPh		3.2	3.2	3.2
Maximum operating current [A]		24	28	33
Working ambient temperature [°C]		- 7~43		
Adjustable water temperature [°C]		15~55		
Maximum set temperature [°C]		55		
Rated water flow [m3/h]		6	7.5	9
Rated water production [L/H]		760	915	1060
Refrigerant/charge [kg]		R410A/3.2x2	R410A/3.8x2	R410A/4.3x2
Overall dimensions of the unit [mm]		1502x806x1130	1502x806x1130	990x960x1920
Noise [dB(A)]		≤65	≤65	≤65
Water pipe connection [DN]		40		
Unit weight [kg]		275	290	320

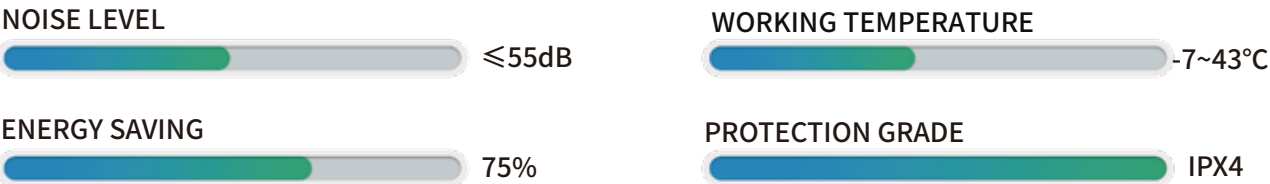
Note:The above unit parameters are conventional factory parameters If you need to change the customization, please contact us

EVI PARAMETER

Unit Type	working condition	YK-100/RS	YK-120/RS	YK-150/RS
Power Specifications		380V/3N~50Hz	380V/3N~50Hz	380V/3N~50Hz
The unit can be connected to the power cord [m2]		6	6	10
Anti-shock level		IClass		
Protection class		IPX4		
(20°C) Rated heat output [kW]	A20/15°C W15/55°C	40	45	55
(20°C) Rated heat dissipation power [kW]		9.09	10.27	12.35
(20°C) COPh		4.4	4.38	4.45
(7°C) Rated heat output [kW]	A7/8°C W9/55°C	26.89	32.32	37.37
(7°C) Rated heat dissipation power [kW]		8.3	10.1	11.5
(7°C) COPh		3.24	3.2	3.25
(-12°C) Rated heat output [kW]	A-12/-14°C W9/55°C	19.36	23.27	25.78
(-12°C) Rated heat dissipation power [kW]		8	9.5	10.7
(-12°C) COPh			2.45	2.41
Maximum operating current [A]		24	28	33
Working ambient temperature [°C]		- 30~43		
Adjustable water temperature [°C]		15~55		
Maximum set temperature [°C]		55		
Rated water flow [m3/h]		7	8	10
Rated water production [L/H]		850	1000	1100
Refrigerant/charge [kg]		R22/R410A/3.2x2	R22/R410A/3.8x2	R22/R410A/4.3x2
Overall dimensions of the unit [mm]		1502x806x1130	1502x806x1130	990x960x1920
Noise [dB(A)]		≤65	≤65	≤65
Water pipe connection [DN]		40		
Unit weight [kg]		275	290	320

Note:The above unit parameters are conventional factory parameters If you need to change the customization, please contact us

COMMERCIAL HOT WATER HEAT PUMP



RESIDENTIAL



HOTEL

NORMAL TEMPERATURE PARAMETER				
Unit Type	working condition	YK-200/RS	YK-250/RS	YK-300/RS
Power Specifications		380V/3N~50Hz	380V/3N~50Hz	380V/3N~50Hz
The unit can be connected to the power cord [m2]		16	16	16
Anti-shock level		IClass		
Protection class		IPX4		
(20℃) Rated heat output [kW]	A20/ 15℃ W15/55℃	70	85	99
(20℃) Rated heat dissipation power [kW]		17	20.5	24
(20℃) COPh		4.12	4.15	4.1
(7℃) Rated heat output [kW]	A7/6℃ W9/55℃	57	76	88
(7℃) Rated heat dissipation power [kW]		17.9	23.8	28
(7℃) COPh		3.2	3.2	3.1
Maximum operating current [A]		50	56	66
Working ambient temperature [℃]		- 7~43		
Adjustable water temperature [℃]		15~55		
Maximum set temperature [℃]		55		
Rated water flow [m3/h]		13	15	18
Rated water production [L/H]		1550	1850	2150
Refrigerant/charge [kg]		R22/ R410A/7x2	R22/ R410A/8x2	R22/ R410A/9x2
Overall dimensions of the unit [mm]		1925x860x2000	2000x960x2050	2000x960x2050
Noise [dB(A)]		≤70	≤70	≤70
Water pipe connection [DN]		50		
Unit weight [kg]		550	650	680

Note:The above unit parameters are conventional factory parameters If you need to change the customization, please contact us

EVI PARAMETER				
Unit Type	working condition	YK-200/DRS	YK-250/DRS	YK-300/DRS
Power Specifications		380V/3N~50Hz	380V/3N~50Hz	380V/3N~50Hz
The unit can be connected to the power cord [m2]		16	16	16
Anti-shock level		IClass		
Protection class		IPX4		
(20℃) Rated heat output [kW]	A20/15℃ W15/55℃	80	90	110
(20℃) Rated heat dissipation power [kW]		18.26	20.36	24.71
(20℃) COPh		4.38	4.42	4.45
(7℃) Rated heat output [kW]	A7/ 8℃ W9/55℃	56.1	66.62	78.49
(7℃) Rated heat dissipation power [kW]		17	20.5	23.5
(7℃) COPh		3.3	3.25	3.34
(-12℃) Rated heat output [kW]	A-12/-14℃ W9/55℃	38.72	45.6	51.57
(-12℃) Rated heat dissipation power [kW]		16	19	21.4
(-12℃) COPh			2.4	2.41
Maximum operating current [A]		50	56	66
Working ambient temperature [℃]		- 30~43		
Adjustable water temperature [℃]		15~55		
Maximum set temperature [℃]		55		
Rated water flow [m3/h]		14	16	20
Rated water production [L/H]		1700	2000	2200
Refrigerant/charge [kg]		R22/ R410A/7x2	R22/ R410A/8x2	R22/ R410A/9x2
Overall dimensions of the unit [mm]		1925x860x2000	2000x960x2050	2000x960x2050
Noise [dB(A)]		≤70	≤70	≤70
Water pipe connection [DN]		50		
Unit weight [kg]		550	650	680

Note:The above unit parameters are conventional factory parameters If you need to change the customization, please contact us

COMMERCIAL HOT WATER
HEAT PUMP



NOISE LEVEL



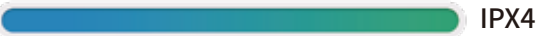
ENERGY SAVING



WORKING TEMPERATURE



PROTECTION GRADE



RESIDENTIAL



HOTEL

NORMAL TEMPERATURE PARAMETER

Unit Type	working condition	YK-500/RS	YK-600/RS
Power Specifications		380V/3N~50Hz	380V/3N~50Hz
The unit can be connected to the power cord [m2]		16	16
Anti-shock level		IClass	
Protection class		IPX4	
(20°C) Rated heat output [kW]	A20/ 15°C W15/55°C	170	198
(20°C) Rated heat dissipation power [kW]		41	48
(20°C) COPh		4.15	4.13
(7°C) Rated heat output [kW]	A7/6°C W9/55°C	152	176
(7°C) Rated heat dissipation power [kW]		47.6	56
(7°C) COPh		3.19	3.14
Maximum operating current [A]		112	132
Working ambient temperature [°C]		- 7~43	
Adjustable water temperature [°C]		15~55	
Maximum set temperature [°C]		55	
Rated water flow [m3/h]		29	34
Rated water production [L/H]		3700	4300
Refrigerant/charge [kg]		R22/ R410A/8x4	R22/ R410A/9x4
Overall dimensions of the unit [mm]		2300x1200x2231	2300x1200x2231
Noise [dB(A)]		≤78	≤78
Water pipe connection [DN]		50	
Unit weight [kg]		550	680

Note:The above unit parameters are conventional factory parameters If you need to change the customization, please contact us

EVI PARAMETER

Unit Type	working condition	YK-500/DRS	YK-600/DRS
Power Specifications		380V/3N~50Hz	380V/3N~50Hz
The unit can be connected to the power cord [m2]		35	35
Anti-shock level		IClass	
Protection class		IPX4	
(20°C) Rated heat output [kW]	A20/15°C W15/55°C	180	220
(20°C) Rated heat dissipation power [kW]		40.9	48.88
(20°C) COPh		4.4	4.5
(7°C) Rated heat output [kW]	A7/ 8°C W9/55°C	136.95	152.52
(7°C) Rated heat dissipation power [kW]		41.5	46.5
(7°C) COPh		3.3	3.28
(-12°C) Rated heat output [kW]	A-12/-14°C W9/55°C	91.2	101.91
(-12°C) Rated heat dissipation power [kW]		38	43
(-12°C) COPh		2.4	2.37
Maximum operating current [A]		112	132
Working ambient temperature [°C]		- 30~43	
Adjustable water temperature [°C]		15~55	
Maximum set temperature [°C]		55	
Rated water flow [m3/h]		32	38
Rated water production [L/H]		4000	4400
Refrigerant/charge [kg]		R22/ R410A/8x4	R22/ R410A/9x4
Overall dimensions of the unit [mm]		2300x1200x2231	2300x1200x2231
Noise [dB(A)]		≤78	≤78
Water pipe connection [DN]		80	
Unit weight [kg]		1050	1100

Note:The above unit parameters are conventional factory parameters If you need to change the customization, please contact us

SWIMMING POOL HEAT PUMP



YKR MINI POOL HEAT PUMP



- 1. ON/OFF SYSTEM WITH R32 GAS.
- 2. HEATING ONLY.
- 3. PORTABLE MINI HEATER. PLUG & PLAY.
- 4. TITANIUM HEAT EXCHANGER, CORROSION RESISTANCE.
- 5. HIGH-END LCD SCREEN DISPLAY
- 6. INNOVATIVE ABS+METAL CASING
- 7. 32/38MM INNER WATER CONNECTION



	YKR-003TB1	YKR-004TB1	YKR-005TB1
* Heating Capacity at Air 26°C, Humidity 80%, Water 26°C in, 28°C out			
Heating Capacity (kW)	3.00	4.00	5.00
Power Input (kW)	0.58	0.77	0.97
COP	5.17	5.20	5.17
* Heating Capacity at Air 15°C, Humidity 70%, Water 26°C in, 28°C out			
Heating Capacity (kW)	2.30	2.90	3.85
Power Input (kW)	0.55	0.71	0.92
COP	4.18	4.20	4.18
* General data			
Power supply	220V/1/50Hz		
Max Power Input (kW)	0.70	0.90	1.14
Max Current (A)	3.2	4.8	5.8
Water Flow Volume (m3/h)	1.5	2.0	2.5
Advised pool size m3	0~10	5~16	8~20
Refrigerant	R32		
Water connection (mm)	32 or 38		
Heat Exchanger	Titanium		
Air Flow Direction	Horizontal		
Working temp. range (°C)	12~43		
Casing Material	ABS+Metal		
Noise level (dBa)	45	46	48
Net Weight (kg)	18	22	26
Gross Weight (kg)	20	24	30
Net Dimensions (mm)	380*290*370		420*365*440
Package Dimensions (mm)	440*355*400		480*435*490

YKR DC FULL INVERTER SWIMMING POOL HEAT PUMP ABS CASING



- 1. FULLY INVERTER WITH R32 GAS. HIGH-END MITSUBISHI.
- 2. HEATING & COOLING FUNCTION.
- 3. DC INVERTER FAN MOTOR. ULTRA QUIET OPERATION.
- 4. HOT GAS DEFROSTING.
- 5. INTELLIGENT LOGIC TO OFFER CONSTANT POOL TEMPERATURE.
- 6. ELECTRONIC EXPANSION VALVE



Model No.	BYC-007TD1	BYC-010TD1	BYC-013TD1	BYC-017TD1	BYC-021TD1	BYC-030TD1	BYC-030TD3	BYC-035TD3
* Heating Capacity at Air 26°C, Humidity 80%, Water 26°C in, 28°C out								
Heating Capacity (kW)	7.6~1.7	9.5~2.3	13~3.0	17~3.8	21~4.8	28~6.8	28~6.8	35~8.8
Power Input (kW)	1.12~0.11	1.40~0.15	1.91~0.19	2.5~0.24	3.09~0.30	4.12~0.43	3.97~0.43	5.15~0.56
COP	15.8~6.8	15.8~6.8	16~6.8	15.8~6.8	15.8~6.8	15.8~6.8	15.8~6.8	15.8~6.8
* Heating Capacity at Air 15°C, Humidity 70%, Water 26°C in, 28°C out								
Heating Capacity (kW)	6.1~1.4	7.6~1.9	9.8~2.3	13.5~3	16.5~3.8	23~5.5	23~5.5	25.5~6.4
Power Input (kW)	1.24~0.18	1.55~0.25	1.96~0.30	2.76~0.39	3.37~0.5	4.7~0.72	4.7~0.72	5.2~0.84
COP	7.6~4.9	7.6~4.9	7.6~5	7.6~4.9	7.6~4.9	7.6~4.9	7.6~4.9	7.6~4.9
* Cooling Capacity at Air 35°C, Water 29°C in, 27°C out								
Cooling Capacity (kW)	4.2~1.0	5.3~1.3	7.2~1.7	9.4~2.1	11.6~2.7	14.9~3.8	14.9~3.8	19.3~4.9
Power Input (kW)	1.11~0.15	1.4~0.19	1.89~0.25	2.47~0.31	3.05~0.4	3.92~0.57	3.92~0.57	5.08~0.73
EER	6.6~3.8	6.7~3.8	6.7~3.8	6.7~3.8	6.7~3.8	6.7~3.8	6.7~3.8	6.7~3.8
* General data								
Power supply	220~240V/1/50						380~415V/3/50	
Max Power Input (kW)	1.55	1.78	2.2	2.6	3.2	4.45	6.43	6.93
Max Current (A)	7.3	8.3	10.2	12	14.7	20.4	7.9	11.3
Water Flow Volume (m3/h)	2.5	3.5	4.5	5.5	6.5	9	9	12
Refrigerant	R32							
Heat Exchanger	Titanium							
Air Flow Direction	Horizontal							
Kind of defrost	by 4 way valve							
Working temp. range (°C)	-15~43							
Casing Material	ABS							
Water Proof Level	IPX4							
Noise level 1m dB(A)	39~49	40~52	42~53	43~55	45~56	47~58	47~58	49~59
Noise level 10m dB(A)	20~29	20~32	22~33	23~35	25~36	27~38	27~38	29~39
Net Weight (kg)	42	43	53	54	58	88	88	98
Gross Weight (kg)	53	54	64	65	69	99	99	110
Net Dimensions (mm)	864*349*592		925*364*642			1084*399*737		
Package Dimensions (mm)	930*400*640		990*435*760			1146*460*862		

REFERENCE PROJECTS

