



# Heat Pump Water Heaters

[Split Heat Pump Water Heaters]  
[Compact Heat Pump Water Heaters]



## Technologies & Specifications

Water Tank	100L	150L	200L	100L	150L	200L	300L
Electric power	220V/50Hz			220V/50Hz			220V/50Hz
Heating Capacity	3211W			3211W			3800
Rated input power	821W			733W			765W
Rated input fluance	3.7A			3.7A			4.5A
Max power	1250W			1250W			1250W
Max fluance	6.65A			6.65A			6.65A
Electric-Heating Assistant	1500W			1500W			2000W
Heaters power	6.8A			6.8A			9.1A
Power level	Three			One			One
COP	3.6			4.4			4.5
Output hot water	55°C			55°C			55°C
Working Pressure	≤0.6Pa			≤0.6Pa			50.6Pa
Hot-water Capacity	69L/h			70L/h			85L/h
Start power	20.5A			20.5A			20.5A
Refrigerant/weight	R29/750g			R410/740g			R410/900g
Max power pressure	1.0/3.2MPa			1.0/3.2MPa			1.0/3.2WPa
Exchanger max pressure	3.2WPa			3.2WPa			3.2P
Power pressure	1.0/3.2UPa			1.0/3.2WPa			1.0/3.2WPa
Water-proof	IP4A(1类)			IP4A(1类)			IP4(1类)
Outer size & weight	730*270*460m/26Kg			730*270*460m/26Kg			825*260*560m/30kg
Enamel Water Tank	KFD8D/100L	KFD8D/150L	KFD110/200L	FD80/100L	KFD80/150L	KFD110/200L	KFD110/300L
Enamel Water Tank Size	468*1100m	500*1345m	500*1635m	468*1100m	φ500*1345mm	500*1635m	φ580*1740m
Enamel Water Tank Pressure	0.7 ± 0.05WPa			0.7 ± 0.05MPa			0.7 ± 0.0WPa
Noise Level	≤49dBA			≤49dBA			≤49dBA



Heat Pump Lines



Heat pump production line



Enamel Water Tank Production Line

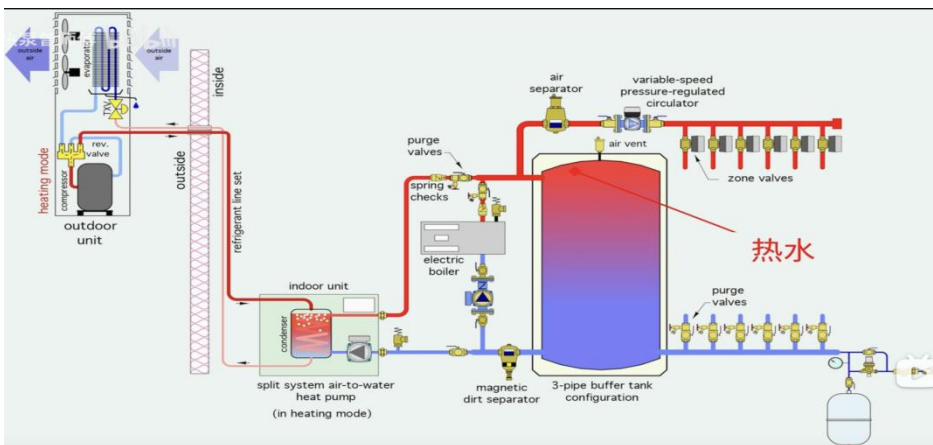


- \*\*Separation of water and electricity eliminates safety hazards
- \*\*55°C constant temperature hot water ensures high efficiency, energy savings, and reduced power consumption
- \*\*Intelligent temperature control
- \*\*Instant heating for immediate use
- \*\*Simple and user-friendly, even for elderly users



Based on the principle of the reverse Carnot cycle, the compressor performs work to cause the working medium to undergo a physical phase change (gas-liquid-gas). By utilizing this reciprocating phase change process, heat is continuously absorbed and released. The heat absorption device extracts heat from the air, and through the heat exchanger, the cold water is gradually heated. The produced hot water is then delivered to users via the water circulation system.

The air-source heat pump water heater is a highly efficient device for collecting and transferring heat. It consists of components such as a compressor, air heat exchanger, water heat exchanger, expansion valve, and fan.



### Technologies & Specifications

Model	60L(options)	80L(Options)	100L(vertical)	150L(vertical)	200L(vertical)
Electric power	220V/50Hz				
Power-proof level	I class				
Water-proof level	IPX4				
Heating Capacity	1800W	1800W	1800W	2750W	1950W
Power	450W	450W	450W	720W	350W
Working fluance	2.1A	2.1A	2.1A	4.0A	1.9A
Size	φ 500mm*840mm	φ 500mm*1000mm	φ 500mm*1130mm	φ 500mm*1740mm	580mm*1700mm
Heating stistance	2000W	2000W	2000W	2000W	2000W
Low/high Max-pressure	1.6/4.0Mpa	1.6/4.0Mpa	1.6/4.0Mpa	0.8/2.8Mpa	0.85/2.8Mpa
Intex/hale Max-pressure	1.6/4.0Mpa	1.6/4.0Mpa	1.6/4.0Mpa	0.8/2.8Mpa	0.85/2.8Mpa
Water Tank Capacity	60L	80L	100L	150L	200L
Tank pressure	0.7Mpa				0.85MPa
Output hot water	60°C				
Hot water capacity	40L/h	40L/h	40L/h	59.1L/h	37L/h
Noise level	≤ 48dB(A)	≤ 48dB(A)	≤ 48dB(A)	≤ 50dB(A)	49dB(A)
Refrigerant	R22/300g	R22/300g	R22/360g	R22/900g	R290(440g)

### Advantages

- \*\*Energy-saving and Eco-friendly, Constant Temperature Residential Project Dedicated Horizontal/Vertical Design, Easy Installation, Space-saving, Efficient Heating\*\*
- \* Equipped with a dedicated brand compressor for heat pumps, offering higher heating efficiency and instant hot water without waiting. Utilizes internationally advanced enamel technology with strong pressure resistance (tested over 280,000 high-intensity pulse pressure cycles), excellent corrosion resistance (acid-resistant, alkali-resistant, and corrosion-resistant), and a long service life (resistant to scaling, collapse, and leakage).
- \* Suitable for high-rise residences, family villas, newly renovated homes, hair salons, small beauty salons, and more.







# Heat Pump

## \*Heating & Cooling commercial project unit\*

- \*DC inverter Heat Pump cooling&heating unit
- \*Commercial Heat pump cooling&heating unit project
- \*Heat Pump Hot Water Heaters

- \*Ultra-Low Temperature Heat Pump hot-blowers
- \*Agriculture & Livestock Heat Pump Hot-blowers



**EVE** is professional manufacturer to make and export more than 20 different kinds of customerised heat pump water heaters in industry since 1997, the working area of heat pump including : household & commercial / heating & cooling untis / hotel & hospital & factory & villa & factory & agriculture etc.  
More info : [www.eveecoproducts.com](http://www.eveecoproducts.com)



Split Heater Pump

Compact Heat Pump



Heat Pump Workshop



## All DC Inverter Heat Pump Heating & Cooling Units



## Commercial Heat Pump Heating & Cooling units

### Technologies & Specifications

Model	3P	5P	6P	5P	6P	8P	10P	12P	15P	
Energy Grade	1	1	1	1	1	1	1	1	1	
DC or AC	All DC Inverter									
Electric Power	220V~/50Hz				380V~3N/50Hz					
Refrigerant	R410a/2200x	R4102/3300	R410a/3300g	R410a/3450g	R410a/3450x	8410a/4500g	R410a/4500g	P410a/6500g	R410a/7500g	
Max Output hot water	55°C									
干球温度7°C 出水温度45°C (制热工况)	制热量(k)	8.9	16.29	17.91	17.1	18.59	25.16	27.39	36	44.1
	额定功率(KM)	2.54	4.62	5.08	4.85	5.28	7.14	8.05	1.36	13.6
COP(W/W)		3.5	3.52	3.52	3.52	3.52	3.52	3.4	3.17	3.24
干球温度-12°C 出水温度41°C (制热工况)	制热量(KM)	6.6	11.56	12.71	12.72	13.35	17.46	20.87	26.14	26.4
	额定功率(KM)	2.64	4.62	5.08	5.08	5.34	6.98	8.35	0.32	1.20
COP(W/M)		2.5	2.5	2.5	2.5	2.5	2.5	2.45	2.36	
干球温度-20°C 出水温度41°C (低温制热工况)	制热量(XM)	5.71	9.96	10.45	0.46	10.98	14.33	17.39	20.47	27.3
	额定功率(KM)	2.61	4.56	4.79	4.79	5.03	6.57	8.05	9.37	12.76
COP(W/W)		2.19	2.18	2.18	2.18	2.18	2.18	2.16	2.18	2.14
干球温度35°C 出水温度7°C (制冷工况)	制冷量(KM)	6.38	11.5	12.07	12.07	12.67	16.31	24.35	22.50	36.60
	额定功率(KN)	2.29	4.06	4.26	4.26	4.47	5.76	8.61	8.85	14.1
EER		2.79	2.83	2.83	2.83	2.83	2.83	2.83	2.54	2.6
Max Input Power (KM)	3.1	5.2	5.2	6.6	8.58	11	10.43	13	16	
Max Input Fluance (A)	14	26	28	10	13	17	20	20	32	
Rated Flow n³/h	1.5	2.5	2.5	2.58	2.58	4	4.19	5	7.5	
Noise Level dBC(A)	≤64dB(A)	≤60dB(A)	665c8(A)	≤60dB(A)	≤65dB(A)	665dB(A)	≤65dB(A)	665dB(A)	≤65dB(A)	
Water pressure loss (kPa)	27	27	27	27	27	30	30	30	30	
Pipe size	DN25	DN25	DN25	DN25	DN25	DN32	DN32	DN32	DN40	
Outer size (mm)	1000*290*860	1000*390*1390	1000*390*1390	1000*390*1390	1000*390*1390	1200*440*1570	1200*440*1570	200*440*1570	1422*440*1673	
Weight (kg)	77	115	115	115	115	155	155	185	230	

### Technologies & Specifications

Model	25P	30P	50P	60P	120P	
Air-Flow direction	Up	Side	UP	UP	UP	
Electric power	230V/50Hz					
风机盘管型	Nominal / rated / normal heating (KM)	50/85/42	63/86/49	106/160/88	117/170/94	212/320/176
	Nominal / rated / low heating (w)	198/202/192	2410/2431/2399	40.5/44385	445/46.9/41.4	82.8/88/733
	Nominal cooling capacity W	60	5813	140	150	270
	Nominal cooling power (KW)	21.9	201B	46.5	498	81.B
	Nominal / rated / normal COP/W	253/3.51/219	2.61/3.62/2.12	2.62/3.64/2.2B	2.63/3.62/2.27	2.56/3.63/2.4
	Nominal cooling COP	2.1	288	301	301	3.3
	IPLWH/PLV/g	283/306	3.39/390	285/3.46/347	285/3.46	285/346
	HSP/A/FPWh/Wh	2.83/3.02	287/2.88	28.3/2.91	285/2.89	292/3.07
	Heating / cooling noise level	70/71	65A5	65/72	65/72	74
	Nominal / low temperature heating(W)	50/42	5238/4722	10129/89.03	108.14/9498	210/180
两器盘管型	Nominal / normal heating power (kW)	23.5/227	24.71/23.61	46.545/03	50.3/47.58	98/96
	Nominal / normal power capacity pw	213/185	2.12/1.92	2.18/1.99	2.14/1.99	214/190
	Nominal / low temperature heating (kw)	50/42	6533/61.73	113.24/90.86	1288/9645	205/170
	Nominal / normal power capacity W	17/165	24.5/23.84	44.9/44.87	49.50/47.66	74/70
	Nominal / normal heating COP	29	266/217	252/202	2.61/202	277/243
	Max input power/flow (k-WA)	2.3/539	21/42	735/125	78/122	145/260
	Circle (mfh)	12	10	28	30	56
	Water loss kPa	42	2	48	48	50
	Refrigerant	R410A				
	Weight (g)	690	190	1100	1100	2198
outer size (mm)	2240*900*1900	1980*825*2330	2175*1350*2350	2175*1350*2350	2800*2200*2450	
Max working pressure (MPa)	44	45	4.5	45	4.4	
Air max pressure (MPa)	44/15	45/15	4.5/1.5	45/15	44/1.5	
Allowed Max pressure (MPa)	44	44/1.5	4.5/1.5	45/1.5	44	
working environment						
Pipe size	DN50	DN50	DN65	DN65	DN100	

**Ultra-Low temperature**  
-35°C can work normally to make heatings

**1级 Power-saving 20%**

**All DC Inverter**

**Inverter Temperature**  
With regards to thoutter temperature to keep inner space temperature=0.5°C



Serving cold climate zones with tailored energy-efficient hot water system for commercial and institutional applications, including hospitality & healthcare & education & industrial facilities & municipal infrastructure ...



HEAT PUMP  
DEDICATED BUFFER  
WATER TANK



Enemal Water tank							
(Electrical heating element 1.5kw/2kw/3kw optional)							
Model	B-0.7-60-J/50	B-0.7-80-J/50	B-0.7-100-J/50	B-0.7-150-J/50	B-0.7-200-J/50	B-0.7-300-J/50	B-0.7-500-J/50
Capacity	60L	80L	100L	150L	200L	300L	500L
Pressure	0.7MPa						
inner tank	1.5mm			1.8mm	2.0mm		2.5mm
Pipe	DN32	DN32	DN32	DN40	DN50	DN50	DN80
Weight	21kg	24kg	28.4kg	41kg	44kg	71kg	100kg
Size	470*730mm	470*915mm	470*1090mm	480*1390mm	520*1455mm	580*1760mm	700*1700mm
power	220V-50Hz						
Waterproof	IPX4						

空气能模块承压水箱

AIR ENERGY MODULE PRESSURE TANK

▶ 参数表格  
PARAMETERS TABLE

Model	Size (mm)	Weight(kg)	Vacuum(L)	Circle pipe	Safety pipe
455L enamel water tank	700*1700	100	455	DN40	DN20

455L!

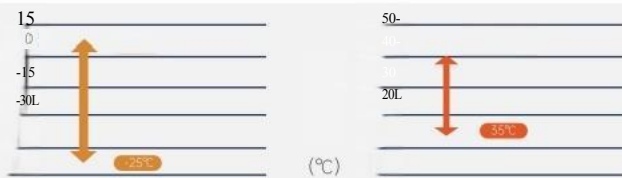


# Heat Pump Hot Water



## Advantages

The unit employs full DC inverter heating control technology, which broadens the operating temperature range for heating, allowing stable heating operation at ambient temperatures from -25°C to 46°C. It can achieve a maximum outlet water temperature of 55°C across the entire temperature range, ensuring efficient sterilization and maintaining water quality health, with no compromise in performance even at -25°C! The unit is equipped with an EVI low-temperature enhanced vapor injection high-efficiency scroll compressor, a high-efficiency heat exchanger, industrial-grade linear electronic expansion valve throttling control, linear vapor injection control technology, and precise intelligent defrosting technology, resulting in 70% energy savings compared to traditional heating methods.



## Technologies & Specifications

型号	5P	10P	20P	25P	50P
Inverter					
Nominal Heating	18.2KW	32.1KW	74KM	90.3KW	182KW
Nominal Capacity	336L/h	660L/h	1590L/h	1940L/h	3912L/h
Exchanger Max pressure	4.5MPa	4.5MPa	4.5MPa	4.4MPa	4.4MPa
in/exhale max pressure	4.5/1.5NPa	4.5/1.5NPa	4.5/1.5NPa	4.4/2.7MPa	4.4MPa
Up/down max pressure	4.5/1.5NPa	4.5/1.5MPa	4.5/1.5MPa	4.4/2.7MPa	4.4/2.7MPa
Refrigerant / weight	R410A/2.8kg	R410A/7kg	R410A/14kg	R410A/15kg	R410A/15kg*2
380V3N*50Hz					
Rated power					
Rated input power	3.99KW	8.08KW	16.4KW	21.1KW	40.6KW
Max input power (KM)	4.5KW	9.2KW	26KW	28.4KW	62KM
Max input fluance(A)	11.8A	20A	52A	56.7A	120.4A
Water circle	3.3m³/h	5.5m³/h	12.8m³/h	15.5m³/h	32m³/h
Noise level	≤60dB(A)	≤64dB(A)	≤67dB(A)	≤68dB(A)	≤75dB(A)
Water pressure loss	30kPa	30kPa	65kPa	85kPa	85kPa
Pipe	DN25	DN40	DN50	DN50	DN80
Outer size (mm)	970x455x1380	1520 × 756x1750	1650x950x1480	2050x980x2270	2400x1300 × 2260
weight	120kg	240kg	430kg	665kg	1220kg

Normal Temperature Heat Pump Hot Water

Model	5P	10P	20P	25P	50P
Rated					
Power	380V//3N*50HZ				
Refrigerant	R410A/3.2kg	R410A/3kg*2	R410A/7kg*2	R410A/13.6kg	R410A/11kg*2
Max hot water (C)	60C				
Nomimnal heating (kM)	16.5	30.6	55	96	194
Nominal input heating(KM)	3.99	8.16	16.65	21.6	44
Nominal heat COP(W/W)	4.14	3.75	3.3	4.44	4.41
Low-temp heating (KM)	10.1	19.7	43.7	76	152
Low-temp input heat(KM)	4.26	7.26	16.2	20.3	40.8
Low-temp COP(W/M)	2.73	2.71	2.7	3.74	3.73
Max flow / power(A)/(KM)	11.8/4.5	21.2/9.5	30/17	68.1/36.5	137.5/77.8
Working temp	-35~43℃				
Side pressure (NPa)	4.4/1.5	4.4/1.5	4.4/2.5	4.4/2.5	4.4/2.5
Rated flow m³/h	3.3	5.5	12	16.5	33.5
Nominal hot water L/h	330	630	1160	2060	4160
Noise level dB(A)	65	65	65	68	70
Water side pressure (kPa)	30	30	40	85	85
Water-proof	I类IPX4				
Pipe size	DN25(外丝)	DN40(外丝)	DN65(法兰)	DN50(外丝)	DN80(法兰)
Size(mm)	1055x455x1380	1530x762x1715	1849x1000x1960	2198x1096x2176	2260x1160 × 2320
Weight(kg)	120	270	700	800	1100

Ultra-Lower Temp Heat Pump Hot Water



## Agriculture Heat Pump

## 超低温空气能热风机

ULTRA LOW TEMPERATURE AIR ENERGY HOT AIR FAN



### Technologies & Specifications

Low-temp Inverter Heat Pump Hot heaters	
Inner machine heaters	KFR(N)-1818P/AC1
Outer machine heaters	KFR(W)-1818P/AG1
Rated Heating (A.7COKW)	19.65
Rated Input power (W)	5.52
COP(W/W)	3.56
Nominal Heating (A:-12°C (KW)	14.38
Nominal power (mm)	5.97
COP(W/W)	2.41
Low-temp heating (A:-20°C (KW)	10.13
Low-temp input heating power (KW)	4.79
COP(W/W)	2.11
summer heating (HSPF)	343
Max input power (Kw)	7.0KW
Max fluance	22A
refrigerant / weight	R410A/3700g
Circle (m³/H)	3200
max pressure	4.5/1.5MPa
Exchanger max pressure	4.5MPa
working temperature	-30~43°C
Water-proof	IPX4
Power-proof	I
Outer machine (HxWxD)	370*420*1390mm
inner machine (HxWxD)	850*480*1350mm
Weight : outer / inner machine	64kg/111kg
Noise level : outer / inner machine	≤52dB(A)/≤60dB(A)

### Working site



Model		KFRP-30LW/BPA1-1A	KFRP-40LW/BPA1-1A
Power		220V~50Hz	220V~50Hz
Nominal Temp -12°C	Heating	3KW	4KW
	power	1.302KW	1.74KW
	cop	2.30	2.30
-20	Heating	3KW	4KW
	power	1.5KW	2KW
-30C	cop	2.00	2.00
	Cooling W	400~3900	400~4900
Cooling power W		120~1560	120~1920
outer Size		858X350X558mm	858X350X558mm
Cooling working temp		18°C~50°C	18~50°C
Heating working temp		-30°C~27°C	-30°C~27°C
Circle		630m³/h	630m³/h
inner size		700X215X600mm	700X215X600mm

### -30°C ultra temp working

Suitable & durable in very low cold temperature area , such as : europe & russia & Canada & USA etc..







Certificate No.:BKC22020300BC

# Certificate of Conformity

**Applicant** : HEZE EVE ECO PRODUCTS CO.,LTD.  
 JUANCHENG INDUSTRIAL ZONE,HEZE CITY ,SHANDONG CHINA.

**Manufacturer** : HEZE EVE ECO PRODUCTS CO.,LTD.  
 JUANCHENG INDUSTRIAL ZONE,HEZE CITY ,SHANDONG CHINA.

**Trademark** : EVE

**Product** : HEAT PUMP WATER HEATERS

**Model(s)** : EVEHP/EVESHPPWH/EVECHPWH/EVECHPWH/EVECHEHPWH

**Test Standard** : EN IEC61000-6-2:2019  
 EN IEC 61000-3-2:2019+A1:2021  
 EN 61000-3-3:2013+A1:2019  
 EN IEC61000-6-4:2019

The Certificate of Conformity is based on an evaluation of a sample of the above mentioned products.It does not imply an assessment of the whole production.It is possible to use CE marking to demonstrate the compliance with this EMC Directive 2014/30/EU.It is only valid in connection with the test report number:BKC22020300BE.



**Shenzhen BKCT Testing Co.,Ltd.**

103,1/F,Huaya Science Park,Longhua Community,Longhua District,Shenzhen,  
 Guangdong,China Tel:4000-875-382 0755-84829082  
 E-mail:bkc@bkc-lab.com Certificate Search:http://www.bkc-lab.com







---Heat Pump Water Heaters---

59/60



**Jason Weg**  
Director  
E-mail: [eveecoproducts@graciagroup.cn](mailto:eveecoproducts@graciagroup.cn)  
0086-155 0639 1927 (i-message)  
[www.cngraciaproducts.com](http://www.cngraciaproducts.com)  
Free-Trade Zone , Tsingtao, Shandong, China  
Juancheng Industrial Zone Heze city



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