



Domestic Heat Pump Water Heater

VHP Series

(R134a/R290/R410A)



R290

Domestic Heat Pump Water Heater

**Energy Efficient Solution
For Villas & Residential
Building**

Available in 200L/270L



Features

STC/VEEC

Environmental friendly refrigerant R290

Side air kit style

GMCC compressor

Enamel tank with micro channel

WIFI controller

Low noise

Intelligent modes

Heating element 2KW



Parameter Table

Model	VHP-200TD(AU)	VHP-270TD(AU)
Power supply	220V~240V/50HZ	220V~240V/50HZ
Rated Input Power(Heat pump)	1200W	1200W
Rated Input Current(Heat pump)	5.3A	5.3A
Rated Heating Capacity(Heat pump)	2.78KW	2.78KW
Rated Input Power(Resistance)	1.8KW	1.8KW
Rated Input Current(Resistance)	7.5A	7.5A
COP (A 20/15, W 15-55)	4.15	4.15
Max Input Power(HP&Resistance)	3000W	3000W
Max Current(HP&Resistance)	14A	14A
Water Tank vlume	200L	270L
Hot Water Production rate	60L/H	60L/H
Refrigerant	R290 (400g)	R290 (400g)
Max Allowable Pressure	3.0MPa	3.0MPa
TPR valve	850KPa	850KPa
Working range with element	-15°C-43°C	-15°C-43°C
Working range without element	-7°C-43°C	-7°C-43°C
IP Class	IPX4	IPX4
Unpacked Dimension (outdoor unit)	φ620mm*1518mm	φ620mm*1838mm
Packed Dimension (outdoor unit)	700*700*1565mm	700*700*1880mm
Net Weight	104KG	118KG
Gross Weight	120KG	140KG
Noise	43dBA	43dBA

R290

Domestic Heat Pump Water Heater

**Energy Efficient Solution
For Villas & Residential
Building**

Available in 200L/250L/300L



Features

- R290 refrigerant, environmental friendly
- WIFI smart control
- Higher water temperature output up to 75°C
- COP 4.45
- Heating element 2KW
- Top air kit style
- Enamel tank with micro channel
- Low noise
- Intelligent modes



Parameter Table

Model	VHP-200EU		VHP-250EU	VHP-300EU
Power Supply	220~240V~/1/50Hz		220~240V~/1/50Hz	220~240V~/1/50Hz
Heating Capacity	W	2800	2800	2800
Rated Hot Water Production	L/h	60	60	60
Rated Power Input	W	629	629	629
Rated Current Input	A	2.8	2.8	2.8
COP	W/W	4.45	4.45	4.45
COP (EN16147) 20/15 °C	W/W	/	/	3.691
η (EN16147) 20/15 °C	W/W	/	/	147.6
V40 (EN16147) 20/15 °C	L	/	/	371
Electric Heater	Rated Power Input	W	2000	2000
	Rated Current Input	A	8.9	8.9
Power Input Max.	W	3000		
Current Input Max.	A	13.3		
Refrigerant Type / Charge / GWP		R290/0.45kg/3	R290/0.45kg/3	R290/0.45kg/3
CO ₂ Equivalent		0.00135t	0.00135t	0.00135t
Working Ambient temperature	°C	-7~46	-7~46	-7~46
Operation Pressure(Low Side)	MPa	0.8	0.8	0.8
Operation Pressure(High Side)	MPa	3	3	3
Maximum Allowable Pressure	MPa	3	3	3
Electrical Shockproof		I	I	I
IP Class		IP1	IP1	IP1
Water Tank Capacity	L	200	250	278
Water Piping Connections	In	3/4	3/4	3/4
Rated Working Pressure Of Tank	MPa	0.8	0.8	0.8
Air flow Rated	m ³ /h	450	450	450
Unit Dimensions (W/H/D)	mm	1650*φ620	1880*φ620	2050*φ620
Shipping Dimensions (W/H/D)	mm	1755*700*700	1985*700*700	2155*700*700
Noise	dB (A)	48	48	48
Net Weight	kg	95	105	115

R134a

Domestic Heat Pump Water Heater

**Energy Efficient Solution
For Villas & Residential
Building**

Available in 200L/250L/300L



Features

- Integral design compact structure and space saving
- Energy-efficient saving 75% electricity
- Auto defrost safe use in winter
- 75°C high temperature hot water
- Environmental friendly refrigerant R134a
- GMCC compressor
- Enamel tank with micro channel
- WIFI controller
- Low noise
- Intelligent modes
- Solar coil available
- Heating element 2KW



Parameter Table



Model	VHP-200TD	VHP-250TD	VHP-300TD
Rated Input Power(Heat pump)	0.64KW	0.64KW	0.64KW
Rated Input Current(Heat pump)	2.9A	2.9A	2.9A
Rated Heating Capacity(Heat pump)	2.4KW	2.4KW	2.4KW
Rated Input Power(Resistance)	2KW	2KW	2KW
Rated Input Current(Resistance)	9.1A	9.1A	9.1A
Max Current(HP&Resistance)	15.0A	15.0A	15.0A
Refrigerant	R134a (1050g)	R134a (1050g)	R134a (1050g)
Compressor			
COP (Asia Standard)	3.91	3.91	3.91
Evaporator	420*350*93mm/3 rows	420*350*93mm/3 rows	420*350*93mm/3 rows
Expansion valve	EEV	EEV	EEV
Water Tank Capacity	200L	250L	300L
Heat Exchanger(Tank)	Microchannel		
Inner Tank Material	Enamel		
Inner Tank Thickness	Body2.5mm/Cap2.5mm		
Inner Tank Diameter	Φ500mm		
Water Inlet/Outlet Pipe	G 3/4"/Female		
Rated Water Tank Pressure	0.7MPa		
Water Tank Max Water Pressure	1.0MPa		
Operation Pressure(Low Side)	1.3MPa		
Operation Pressure(High Side)	2.1MPa		
Outer Casing	Color painted		
Fan	Centrifugal		
Ventilation	Vertical discharge		
Air duct connection	Available/150mm		
Rated Outlet Water Temperature	55°C		
Max Outlet Water Temperature	75°C		
Working range with resistance	-15°C-43°C		
Working range without resistance	-7°C-43°C		
Anti-corrosion for water tank	Magnesium anode		
IP Class	IPX1		
Electric Shock Proof	I		
Unpacked Dimension	Φ620×1750mm	Φ620×1850mm	Φ620×1950mm
Packed Dimension	700×700×1820mm	700×700×2070mm	700×700×2230mm
Net Weight	88kg	95kg	102kg
Gross Weight	106kg	113kg	120kg
Noise	46dBA	46dBA	46dBA
Certification	CE / ERP A+	CE / ERP A+	CE / ERP A+

R134a

Domestic Heat Pump Water Heater

**Energy Efficient Solution
For Villas & Residential
Building**

Available in 150L/200L/250L



Features

- Square and uniform design
- IPX4 class, ideal for outdoor application
- Axial ventilation design for higher efficiency
- Microchannel heat exchanger with excellent efficiency
- WIFI smart control



Parameter Table

Model	VHP-150SD	VHP-200SD	VHP-250SD
Power Supply	220~240V/1/50Hz		
Heating Capacity at Air 20℃/15℃, Water Temperature from 15℃ to 55℃			
Heating Capacity(kW)	2.4	2.4	2.4
Rated Input Power(kW)	0.57	0.57	0.57
COP	4.1	4.1	4.1
Rated Current A ()	2.9	2.9	2.9
Max Current(A)	12.7	12.7	12.7
Tank Capacity(L)	150	200	250
Refrigerant	R134a		
Outer Casing / Shape	Full colour painted casing / Square		
Expansion Valve	Electronic		
Air Flow(m3/h)	450		
Air Discharge	Horizontal		
Air Duct Diameter	Non-ducted		
Back-up Heater(kW)	2		
Default Water Temperature (℃)	55		
Working Temperature Range (℃)	-7-43		
Unpacked Dimension(L*W*H)(mm)	500*500*1650	600*600*1570	600*600*1800
Packed Dimension(L*W*H)(mm)	640*640*1740	690*690*1690	690*690*1920
Net Weight kg ()	92	118	136
Gross Weight kg ()	110	137	155
Noise (dB(A))	48		

R290/R134a Wall Mounted Domestic Heat Pump Water Heater

Available in 60L/80L/100L



Features

Horizontal / Vertical optional
Maximum outlet water
temperature up to 75°C Multiple
running mode
Silent running, 38dBA low



Parameter Table

Mode	VHP-080WH2	VHP-060WH	VHP-080WH	VHP-100WH	VHP-060WH(H)	VHP-080WH(H)	VHP-100WH(H)
Power Supply	220~240V/1/50Hz						
Heating Capacity at Air 20°C/15°C, Water Temperature from 15°C to 55°C							
Heating Capacity	950W	600W	600W	600W	600W	600W	600W
Power Input	220W	169W	169W	169W	169W	169W	169W
Rated Current	0.98A	0.8A	0.8A	0.8A	0.8A	0.8A	0.8A
COP	4.32	3.55	3.55	3.55	3.55	3.55	3.55
Refrigerant	R290 / 150g	R134a / 280g	R134a / 280g	R134a / 280g	R134a / 280g	R134a / 280g	R134a / 280g
Electric Heating Element	2000W	2000W	2000W	2000W	2000W	2000W	2000W
Rate Current	10.2A	9.3A	9.3A	9.3A	9.3A	9.3A	9.3A
Max Power Input	2300W	2500W	2500W	2500W	2500W	2500W	2500W
Max Current	10.2A	12.6A	12.6A	12.6A	12.6A	12.6A	12.6A
Water Tank Volume	80L	60L	80L	80L	60L	80L	100L
Max Water Tank Pressure	0.8MPa	0.8MPa	0.8MPa	0.8MPa	0.8MPa	0.8MPa	0.8MPa
IP Class	IPX1	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4
Max Refrigerant Running Pressure	3.0MPa	3.0MPa	3.0MPa	3.0MPa	3.0MPa	3.0MPa	3.0MPa
Service Water Temperature	20~75°C	20~75°C	20~75°C	20~75°C	20~75°C	20~75°C	20~75°C
Working Temperature Range (heat pump)	7~43°C	7~43°C	7~43°C	7~43°C	7~43°C	7~43°C	7~43°C
Water Tank Direction		vertical			Horizontal		
Power cable	2 meters	2 meters	2 meters	2 meters	2 meters	2 meters	2 meters
Product Deimension	Φ470*1142	Φ470*977	Φ470*1142	Φ470*1282	Φ470*890	Φ470*1140	Φ470*1180
Package Dimension	565*585*1180	565*585*1110	565*585*1180	565*585*1320	565*570*960	565*570*1110	565*570*1250
Net Weight	48KG	39KG	42KG	42KG	39KG	42KG	45KG
Gross Weight	56KG	42KG	46KG	46KG	42KG	46KG	50KG
Noise	48dB	38dB	38dB	38dB	38dB	38dB	38dB
Installation	Wall Mounted	Wall Mounted	Wall Mounted	Wall Mounted	Wall Mounted	Wall Mounted	Wall Mounted
Water connection	1/2 inch	1/2 inch	1/2 inch	1/2 inch	1/2 inch	1/2 inch	1/2 inch

Water Heating & Cooling Solutions

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