

# ALL-IN-ONE DOMESTIC WATER HEAT PUMP



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A white graphic consisting of a large square frame with an open top and bottom, and a horizontal bar extending from the right side of the frame, enclosing the text.

# ENTERPRISE CULTURE >>



## MISSION

Make the world's best heat pump, make human life warmer!



## VISION

Let every family have a comfortable and healthy environment.



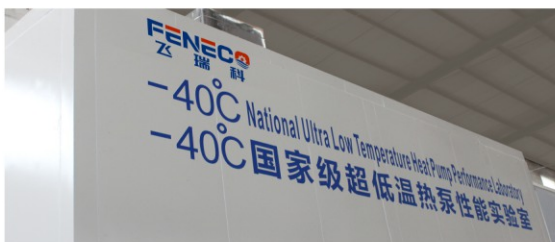
## CORE VALUES

Innovation, Honesty, Service, Gratitude.



## Company Profile >>>

FENECO New Energy is a national high-tech enterprise specializing in the research and development, production, and sales of heat pumps and commercial air conditioners. The technical research and development team has over 15 years of industry experience, absorbing and introducing advanced technology from European heat pump manufacturing. The company's products include air source heat pumps, water source heat pumps, commercial air conditioners, etc. Mainly serving homes, schools, hotels, enterprises and institutions, it can simultaneously meet multiple needs such as domestic hot water, heating, and cooling. FENECO heat pump products have the characteristics of high energy efficiency, low noise, fast heating, ultra energy-saving, and intelligence. The products meet the requirements of strong heating at  $-38^{\circ}\text{C}$  ultra-low temperature in winter and strong cooling at  $52^{\circ}\text{C}$  high temperature in summer.



The company's production base is located in Foshan, Guangdong, with three professional host production lines and an annual output of up to 80000 units. We also have professional inspection rooms, long-term fatigue operation laboratories at  $-30^{\circ}\text{C}$ , and comprehensive testing laboratories for explosion-proof heat pumps at  $-40^{\circ}\text{C}$ , among other advanced equipment in the industry, to ensure that the products developed and produced can receive comprehensive testing and full validation. The company has passed the export EU CE certification, ISO9001 quality management system certification, and EU Erp energy efficiency certification. Its products are mainly exported to 46 countries and regions such as Europe, the Americas, Australia, Africa, and Southeast Asia, and are highly welcomed and praised by the market and customers.

The company adheres to the principle of "technological innovation, leading service, integrity and win-win, and pursuit of excellence", and is committed to becoming the world's most energy-saving and environmentally friendly technology leading enterprise, making unremitting efforts to create world-class quality products!





# Honorary Qualifications



**20<sup>+</sup>** Multiple patent certificates, EU CE certification, ISO9001 quality management system certification, etc.





The product has been sold in **46** countries and regions

**FENECO**



**European quality exportd to the world**

GLOBAL SALES NETWORK



# ALL-IN-ONE DOMESTIC WATER HEAT PUMP



Guangdong Fineco New Energy Technology Co.,Ltd

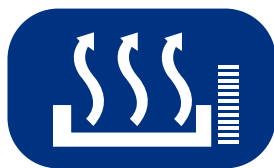


## Product Introduction >>>

FENECO All In One heat pump is one of the most economical systems to provide domestic sanitary hot water for the house. As a lovely equipment, it could be put indoors. It is with 3~4 times higher efficiency than gas boiler or electrical heater and it can also be combined with solar heating system and boiler-heating system. Therefore, this could reduce costs for the users in a big way.



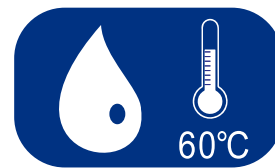
Domestic Hot water



Auxiliary Electric heating (Optional)



Solar System



Max. Water Temp  
60°C

## Choosing Suitable Domestic Water Volume



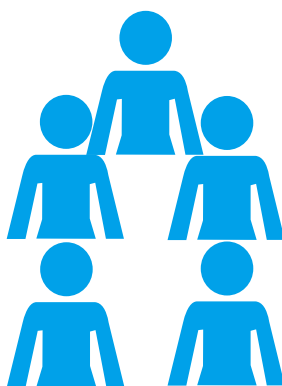
### How to choose suitable domestic water volume?

150L-200L: 3-5 persons    300L: 6-7 persons    500L: 8-12 persons

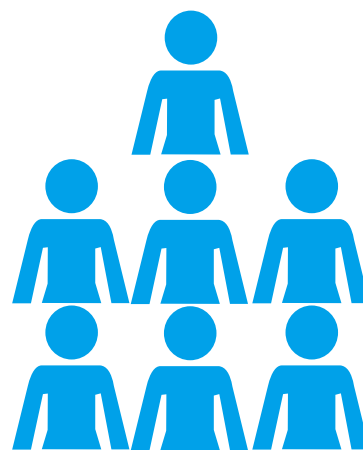
Estimated computing capacity:

(The calculation is for reference only)

50L/person



(150L/200L)



(300L)

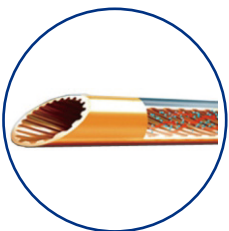
# Product Features>>>

- High Cop Heat Pump Compressor, Fan motor, Much Quiet, Saving.
- Inner Coil, Direct Heat Transfer, High Efficiency.
- Optional Auxiliary Electric Heating as Backup Heat Source & high temperature antisepsis.
- Providing free kitchen air conditioning while producing hot water.
- Max Hot water Temp. 60°C.
- Optional Refrigerant: R410A、R134A.



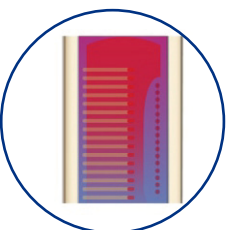
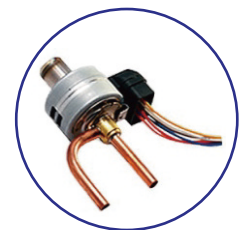
Panasonic / Mitsubishi Compressor  
Stable, high efficient

50mm Protective Cover  
High density insulation



Trapezoid Rifled Copper Tube  
High heat transfer capacity:  
3.7 times of ordinary copper tube

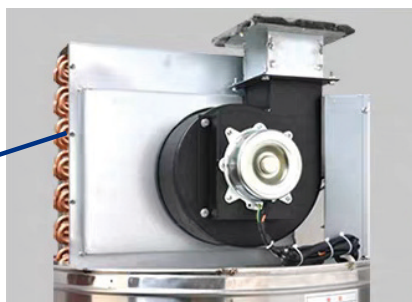
EEV  
Precise flow control



Return Water Retarding Technology  
Improve hot water rate

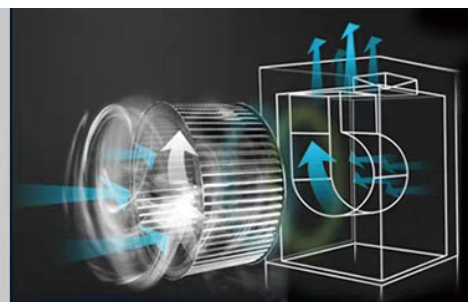


## Product Main Parts >>>



### Vortex case motor fan

High efficiency, Quiet, Large air flow.



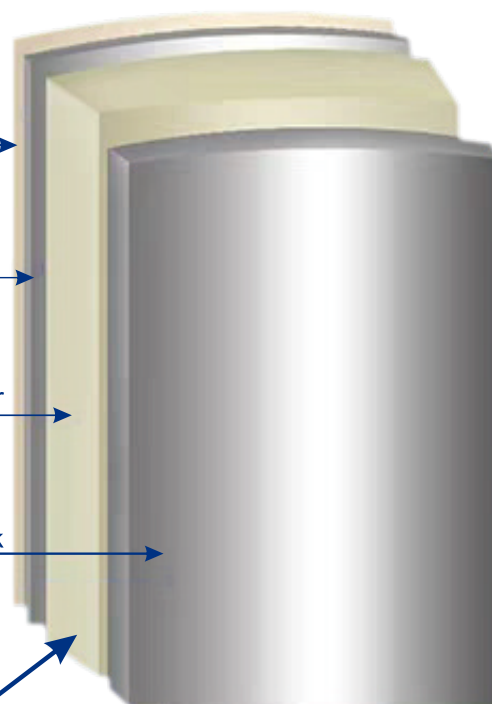
### Anticorrosive stainless steel internal water tank

Bake lacquer layer

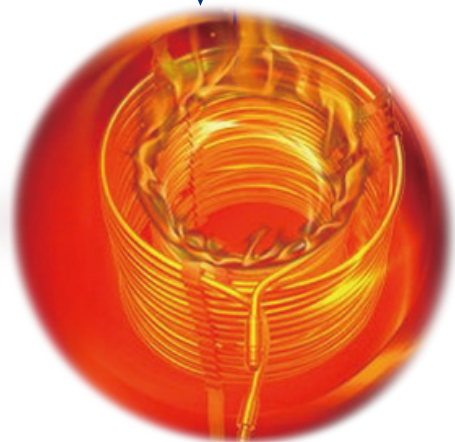
BTC Steel/stainless steel

50mm thick insulation layer

SS304 Internal water tank



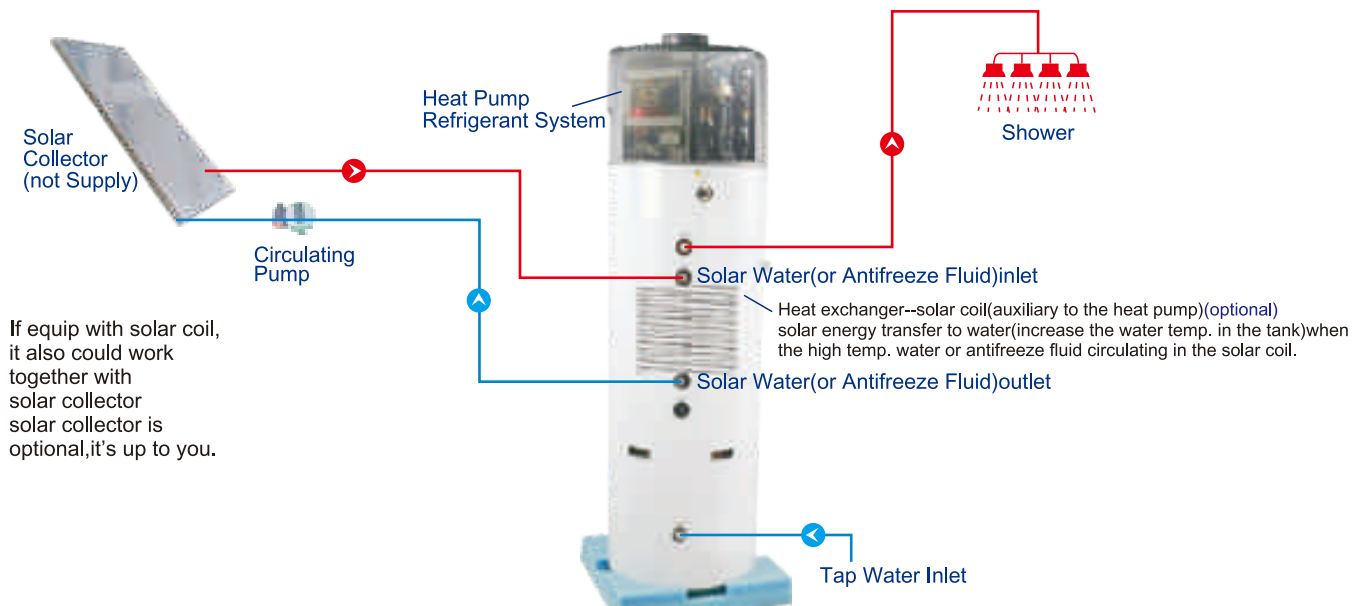
Polyurethane microporous insulation layer, the overall foam molding process, effectively reduce heat loss, extend the insulation time.



### Double row titanium coil

Increase heat dissipation area and improve thermal energy conversion efficiency.

# Heat Pump Installation >>>



(suggested installation)



Spa



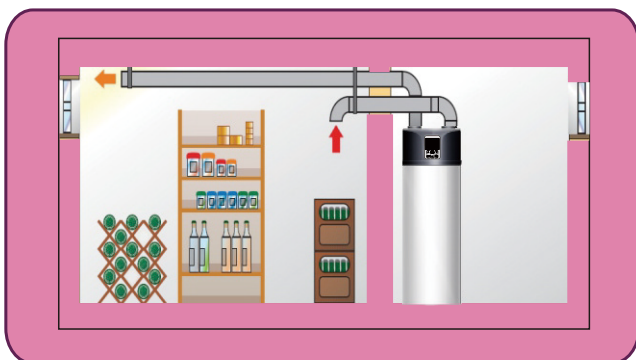
Bathroom



Kitchen



Kitchen Cooling



## Kitchen Cooling

Providing the cold air to cool the temperature in the Kitchen, make house more comfortable.



## Dehumidify the Recirculating Air

Dehumidified air in the laundry room support drying air.



# Specification >>>

## All In One Domestic Water Heater

Model		XD-150L	XD-200L	XD-250L	XD-300L	XD-500L
Working Temp.		-7 ~ 43°C				
Heating Capacity	kW	2	2	3.5	3.5	3.5
Rated Input Power	kW	0.55	0.55	0.86	0.86	0.86
Water Yield	L/h	75	75	118	161	182
Rated Current	A	3.5	3.5	4.5	4.5	4.5
COP	W/W	3.9	3.9	3.9	4.1	3.9
Water Tank Valume	L	150	200	250	300	500
Tuyere Specifications	mm	150-150				
Max. Water Temp.	°C	60				
Rated Water Temp.	°C	55				
Noise	dB(A)	45	45	48	48	48
Water Connector	/	DN20				
Power Supply	V/Ph/Hz	220-240V/1N~/50Hz				
Compressor	Brand	Panasonic				
	QTY	1				
Condensor		Interior SS 316L coil				
Evaporator		Inner threaded pipe + hydrophilic aluminum foil				
4-Way Valve		Famous brand				
Electronic Expansion Valve		Sanhua				
Fan Motor		150W				
Controller		LCD Display controller				
Refrigerant		R410A / R134A				
Unit Size	mm	560*560*1500	560*560*1730	640*640*1620	656*656*1760	790*790*2050
Packing Size	mm	670*670*1720	670*670*1860	750*750*1740	730*730*1890	900*900*2200
Net Weight	kg	75	80	88	95	110
Gross Weight	kg	80	92	101	109	124

### Remarks:

Testing condition, Ambient temp.(DB/WB) = 20°C/ 15 °C,water temp. Input/output = 15°C/55°C



## Product advantages >>>



### Safe and reliable

Adopting air source heat pump technology, water and electricity separation, eliminating safety hazards!



### Intelligent control

The unit is controlled by a microcomputer and does not require dedicated management.



### Energy saving

An air source heat pump heats by absorbing the free energy of the surrounding air. Compared with traditional electric heating methods, it can save up to 80% energy.



### 24/7 operation

Safe operation 24/7 throughout the year, enjoying 24-hour central hot water.



### Protect the environment

No exhaust gas generation, reducing CO2 emissions, saving liquefied gas and power. Heat pump technology for protecting ecological sustainability.



### Featured

Domestic hot water, heating, and cooling; Industrial hot water, electroplating, bleaching and dyeing, drying, heating, etc.



### Widely used

Family, villa, school, hospital, factory dormitory, hotel, restaurant, swimming pools, industries, etc



### Easy to install

The unit has a compact structure and a small footprint, eliminating the need for a dedicated computer room.

**-38°C** Powerful Heating · High Efficiency · Energy Saving



Heating



Hot-Water



Cooling



Swimming Pool



Dry



## After-sales Service System



Consulting



During the warranty period, free warranty will be implemented, and after the expiration of the warranty period, the company will still provide after-sales service for product equipment



Free installation and design guidance



24-hour service



## Service process



### Repair report

If you encounter after-sales problems, please contact local service or call service hotline 4000-969819



### Response

Within 30 minutes, the after-sales engineer will respond by phone and schedule a visit time



### Service

Sales engineers provide on-site service according to the scheduled time



### Check and accept

Confirmed and signed by the repair applicant for acceptance



### Call back

Call you within 72 hours



### Finish



**Tel/whatsup**

008613500262969      008618818729987

**GuangDong Fineco New Energy Co., Ltd**

Fineco New Energy, No. 2, Mahe Section, Guihe Road, Lishui Town, Nanhai District, Foshan City, Guangdong Province



Official account



Official website