

Swimming Pool Full DC inverter HEAT PUMP



Full DC Inverter



Smart Defrosting



Wifi intelligent control



Triple Antifreeze



OTA
(Remote view parameters
and updated software)



SG Ready



24-Hour constant
Temperature



ZVST
(Zero Vibration Sensation Technology)

A white graphic element consisting of a large, open square frame with a smaller square inside, positioned behind the 'ENTERPRISE CULTURE' text.

ENTERPRISE CULTURE >>

A small red square icon with a white diagonal line.

MISSION

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

A small red square icon with a white diagonal line.

VISION

Let every family have a comfortable and healthy environment.

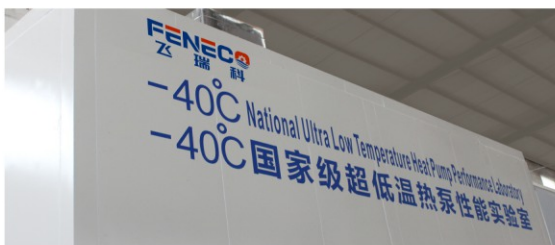
A small red square icon with a white diagonal line.

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°C ultra-low temperature in winter and strong cooling at 52°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°C , and comprehensive testing laboratories for explosion-proof heat pumps at -40°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⁺ Multiple patent certificates, EU CE certification, ISO9001 quality management system certification, etc.

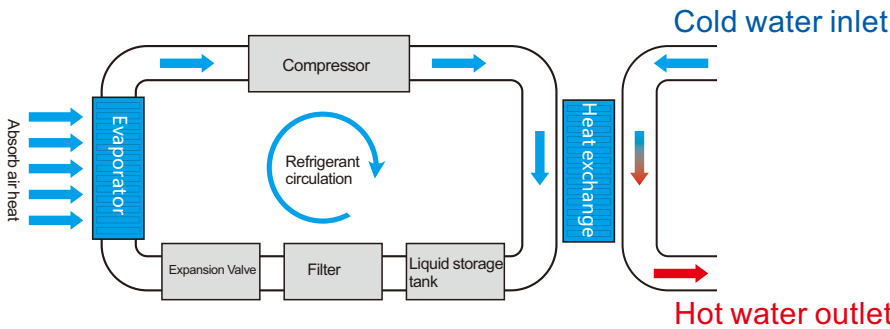


European quality exportd to the world

GLOBAL SALES NETWORK



Heat Pump Principle >>>



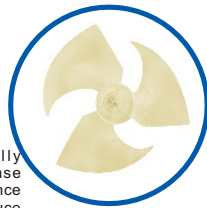
- The refrigerant absorbs the free air source energy Q3 from the air by the evaporator.
- The compressor compress the refrigerant into high temperature and pressure refrigerant via electric energy Q1.
- The heat energy Q4 transmits to water in the heat exchanger.
- According to the law of conservation of energy, heat energy $Q4 = \text{air energy } Q3 + \text{electric energy } Q1$

$$\text{Sun} \quad Q3 + \text{Lightning} \quad Q1 = \text{Thermometer} \quad Q4$$

Heat Pump Main Components >>>

Fan

Optimized duct and quiet design



Motor

DC inverter brushless motor



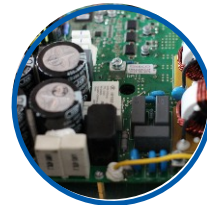
Compressor

Adopting well-known brands such as Mitsubishi / Panasonic for DC variable frequency compressors, it has high efficiency, low noise, and long service life.



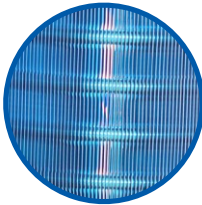
Motherboard

Efficient operation intelligent control



Evaporator

The evaporator uses internally threaded copper tubes to increase the thermal conductivity area, enhance the heat absorption effect, and reduce the disturbance of refrigerant flow, accelerating the refrigerant flow rate.



Intelligent control

Full touch screen smart Control + WIFI. More Convenient



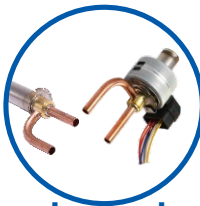
Contactor

Famous brands such as Schneider



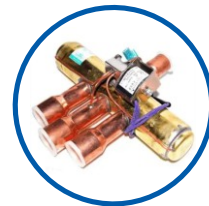
Electronic expansion valve

EEV or TEV, Precise flow control Saginomiya, SANHUA etc.



Four-way valve

Famous brand, fully automatic



Heat exchanger

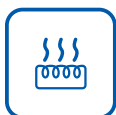
corrosion-resistant titanium heat exchanger high efficiency

Swimming Pool Heat Pump >>>

Feneco full DC inverter air source swimming pool heat pump adopts Mitsubishi DC inverter high-efficiency compressor and DC inverter brushless motor, which has more stable performance and energy saving. It can operate normally in an environment of $-15^{\circ}\text{C}\sim 43^{\circ}\text{C}$, corrosion-resistant titanium tube heat exchanger, OTA remote control, automatic diagnosis, and more convenient maintenance.



Space capsule-level sound insulation and noise reduction, built-in thickened silencer cotton, more silent. Intelligent fast defrosting technology improves the heating efficiency of the unit and maintains comfort.



It can also be remotely controlled by Wifi intelligence to make comfort come more timely. It can meet the heating capacity of 5~45kW in a wide range according to the swimming pool area requirements.



Adopting intelligent defrosting technology, it can intelligently determine whether to defrost based on the operating conditions of the unit (such as operating time, exhaust temperature, etc.), combined with environmental temperature and frost thickness, achieving defrosting with or without frost, greatly extending the defrosting cycle and shortening the defrosting time by more than 20%, ensuring that the unit maintains efficient operation with high heating capacity and energy efficiency.



Water and electricity isolation, no combustion or leakage during operation, completely eliminating hazards such as explosion, electric shock, poisoning, etc.



Paired with R410A high-efficiency refrigerant, it has no damage to the ozone layer, is safe, environmentally friendly, and pollution-free.

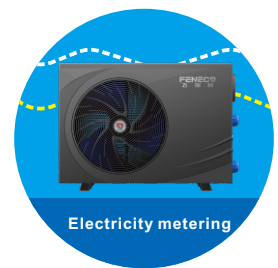
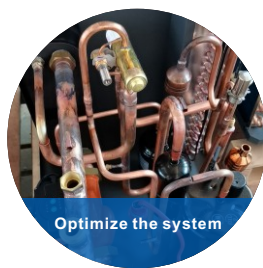
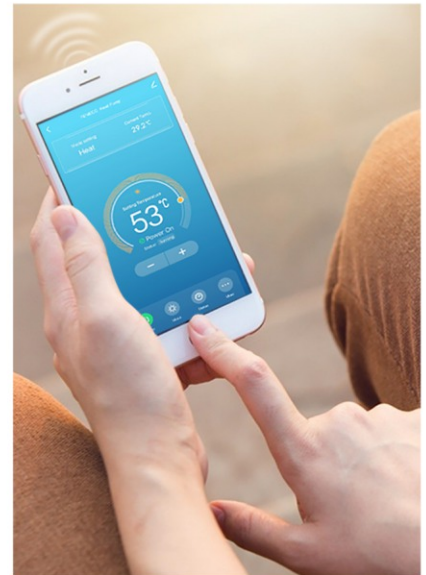


Using heat pump technology, the unit directly heats the water in the swimming pool, with a standard operating condition energy efficiency of up to 6.0. Compared with traditional heating methods (boilers+plate heat exchangers), the operating cost can be saved by 65% to 80%.



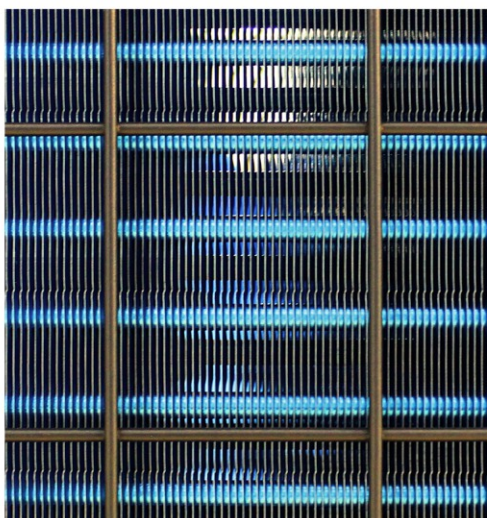
OTA Remote Control >>>

FENECO Full DC Inverter heat pump has a built-in Wifi module. Users can download the intelligent control APP on their mobile phones to monitor the running status of the heat pump anytime and anywhere, and control the heat pump at will. They can turn on the heat pump from a distance before going home, so that comfort can come more promptly.



Intelligent defrosting + Ultra-low temperature design >>>

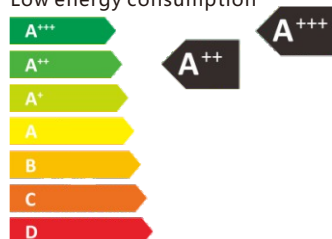
Intelligent fast defrosting technology improves the heating efficiency of the unit and maintains comfort. Even in low temperature environments in the north, it can operate normally. The stainless steel electric heating belt on the chassis quickly defrosts and drains water. The three-level standby automatic anti-freeze protection technology automatically performs anti-freeze protection procedures according to the outdoor environment to ensure equipment safety.



European A+++ energy efficiency
Saving 75% electricity



Low energy consumption



High energy consumption



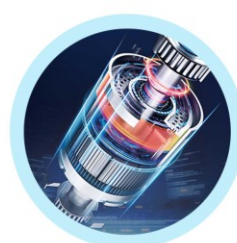
- **Full DC Inverter compresso**



- OTA Remote Control

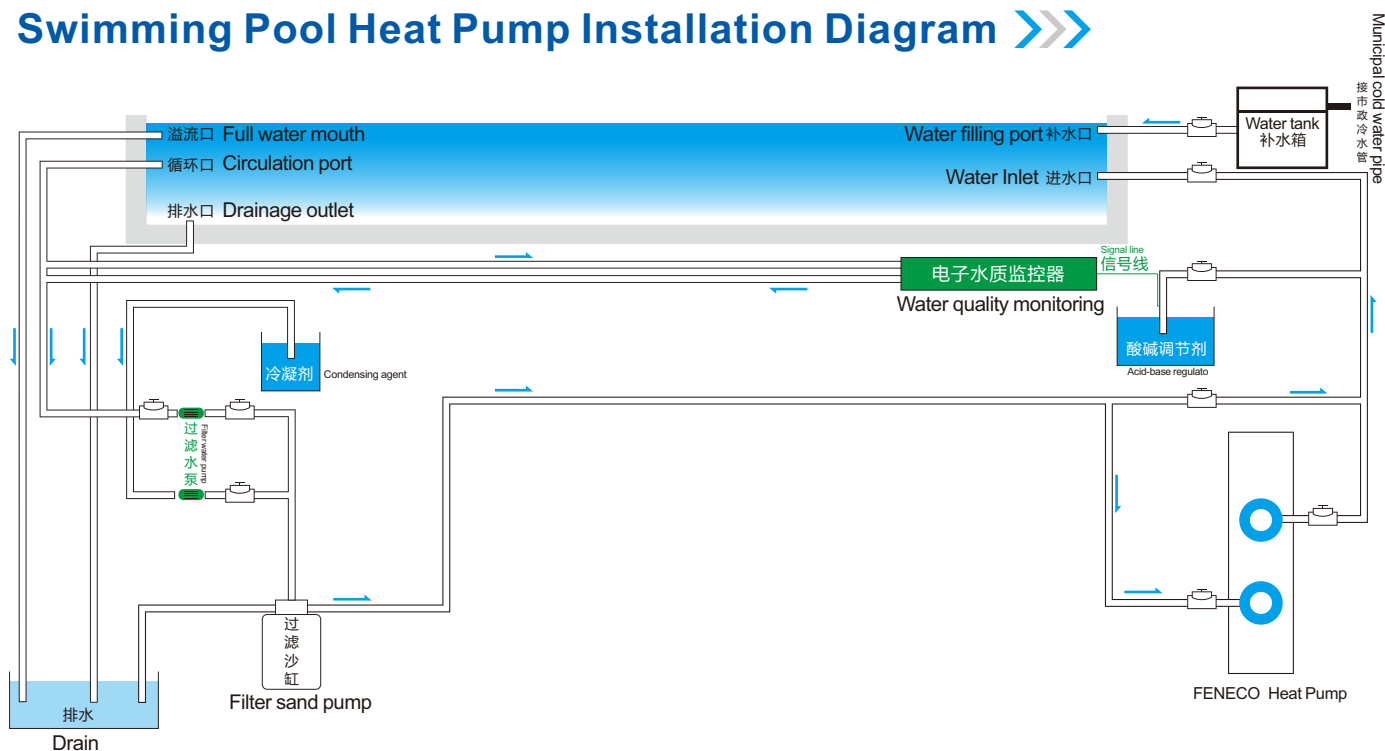


- **24-Hour constant Temperature**



- **Timed sterilization**

Swimming Pool Heat Pump Installation Diagram >>>



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



Tel/whatsapp

008613500262969
008618818729987

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



VISION >>>

Let every family have a comfortable and healthy environment.

PROJECT CASES >>> Global 100000⁺



A one-stop solution for a comfortable and healthy environment system



Tel/whatsup

008613500262969 008618818729987

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Official account



Official website