Hien®

THE HONG KONG-ZHUHAI-MACAU BRIDGE
ARTIFICIAL ISLAND HOT WATER PROVIDER

COMMERCIAL
AIR SOURCE WATER HEATER

DC INVERTER

R32

THIS IS A MOMENT TO MOVE TOWARDS
A GREEN AND SUSTAINABLE FUTURE

WE ARE FACING A GREEN WAVE LEADING
THE GLOBAL INDUSTRIAL REVOLUTION

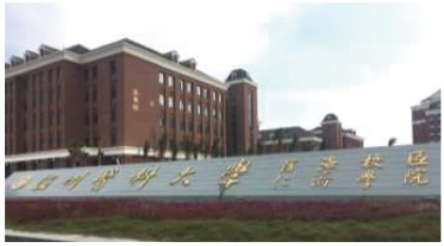
HIEN IS COMMITTED TO BUILDING A GREEN
ENVIRONMENTALLY FRIENDLY, SAFE AND EFFICIENT LIFE

ENERGY TRANSITION PROJECTS

PROJECTS

MORE THAN 70000 PROJECTS COMPLETED SO FAR; MORE THAN 6.5 MILLION PRODUCTS DELIVERED.

SCHOOLS






HOSPITALS

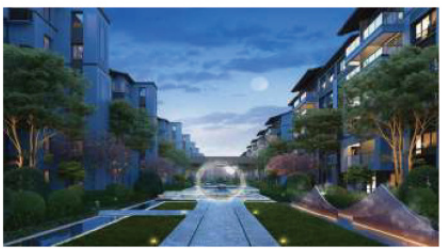





RESIDENTIAL








HIGHTLIGHT

The 2008 Shanghai World Expo.

BOAO FORUM FOR ASIA

The 2013 Boao Summit for Asia in Hainan.

Universiade SHENZHEN 2011

The 2011 Universiade in Shenzhen.

The artificial island hot water project of the Hong Kong-Zhuhai-Macao Bridge in 2019.

2016 the hot water reconstruction project of Qingdao port.

G20 2016 CHINA

2016 the G20 Hangzhou Summit.

BEIJING 2022 BEIJING 2022

The 2022 Beijing Winter Olympic Games & Paralynpic Games.

19th Asian Games Hangzhou 2022

2023 the Asian Games in Hangzhou

ABOUT HIEN

Founded in 1992, Hien firstly started as an electronic component manufacturer. With a registered capital of 300 million RMB, Hien entered the air source industry in 2000. It is a leading enterprise of air source heat pumps in the area of product R & D, production, sales, and after-sales service. Hien owns one of the largest production bases of heat pumps in China, as well as the CANS certified state-level comprehensive laboratory.

PRODUCTION LINE

With a total of 60,000 m² of construction area and over 1,000 processing equipments, the main factory comprises 6 assembly lines, while the branch factory consists of 3 production workshops. Main products include air source heat pumps for residential, commercial, and industrial use. The capacity of our products ranges from 3 kW to 320 kW, primarily for heating, cooling, and domestic hot water. Heat pump dryers are also used for the production of tobacco, aroma wicks, medicinal herbs, tea, fruits, vegetables, and other products.

TECHNICAL ADVANTAGES

R32 is easier to recycle than R410A as a single-component refrigerant.

60°C Higher Water Temperature Output Up to 60°C.

Full DC Inverter Heat Pump .

With Disinfection Function.

IOT Platform,Intelligent identification, positioning, tracking, and supervision.

Wi-Fi App Smart Controlled.

Intelligent Constant Temperature.

High - Quality Material.

-15°C Operates down to -15°C.

Intelligent Defrosting.

DTU

WiFi DTU To deliver the best user experience, R32 commercial heat pump series is designed with a DTU module for remote data transferring, and then you can easily monitor the running status of your heating system.

The intelligent controller with RS485 is adopted to realize the linkage control between the heat pump unit and the terminal end. Multiple heat pumps can be controlled and connected to be well monitored.With Wi-Fi APP enables you to operate the units through a smart phone wherever and whenever you are.

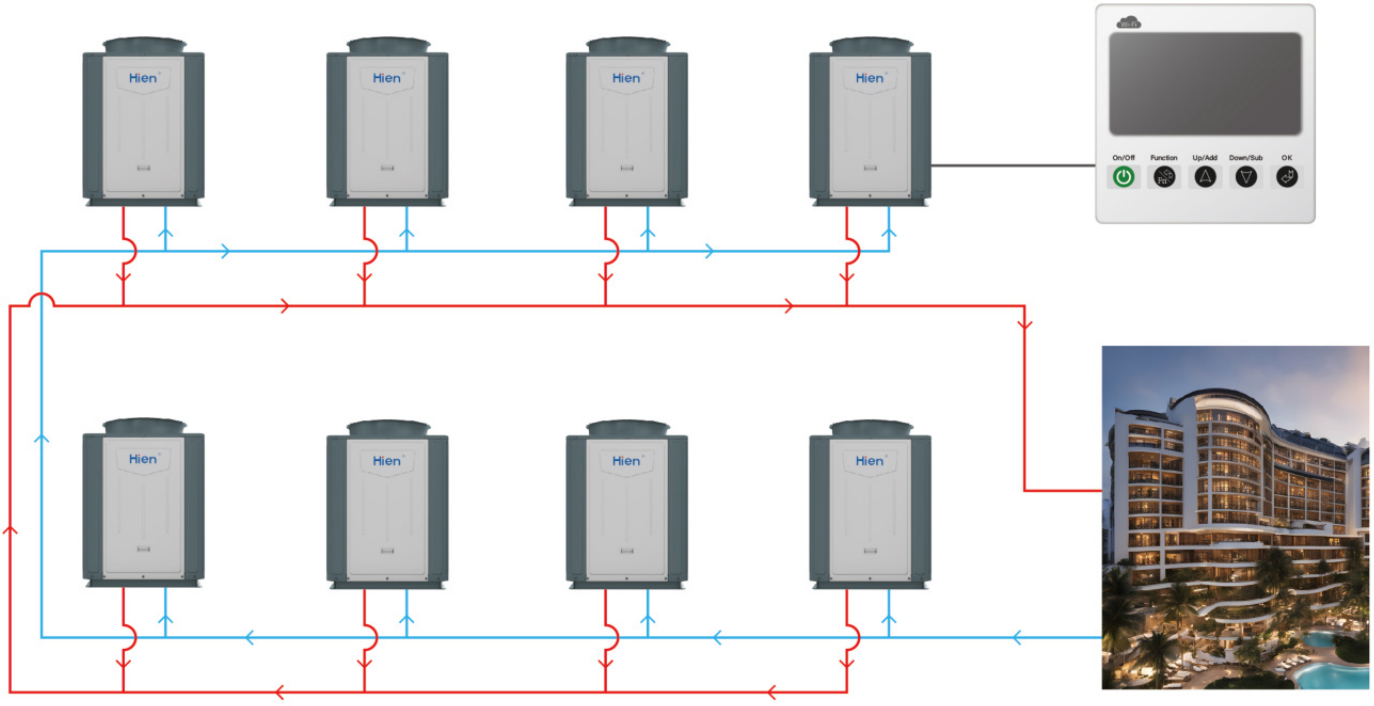
Can intelligently determine whether to go into defrosting mode according to the operating condition, ambient temperature and frost thickness.

With noise levels from 56 dB(A), our DC inverter heat pump ensures quiet, stable performance through optimized airflow and sound insulation.

The large-size channel steel structure and galvanized steel with anti-corrosion coating are used for components in contact with the return air.

High Efficiency: Adequate heat transfer area ensures the high COP and performance.

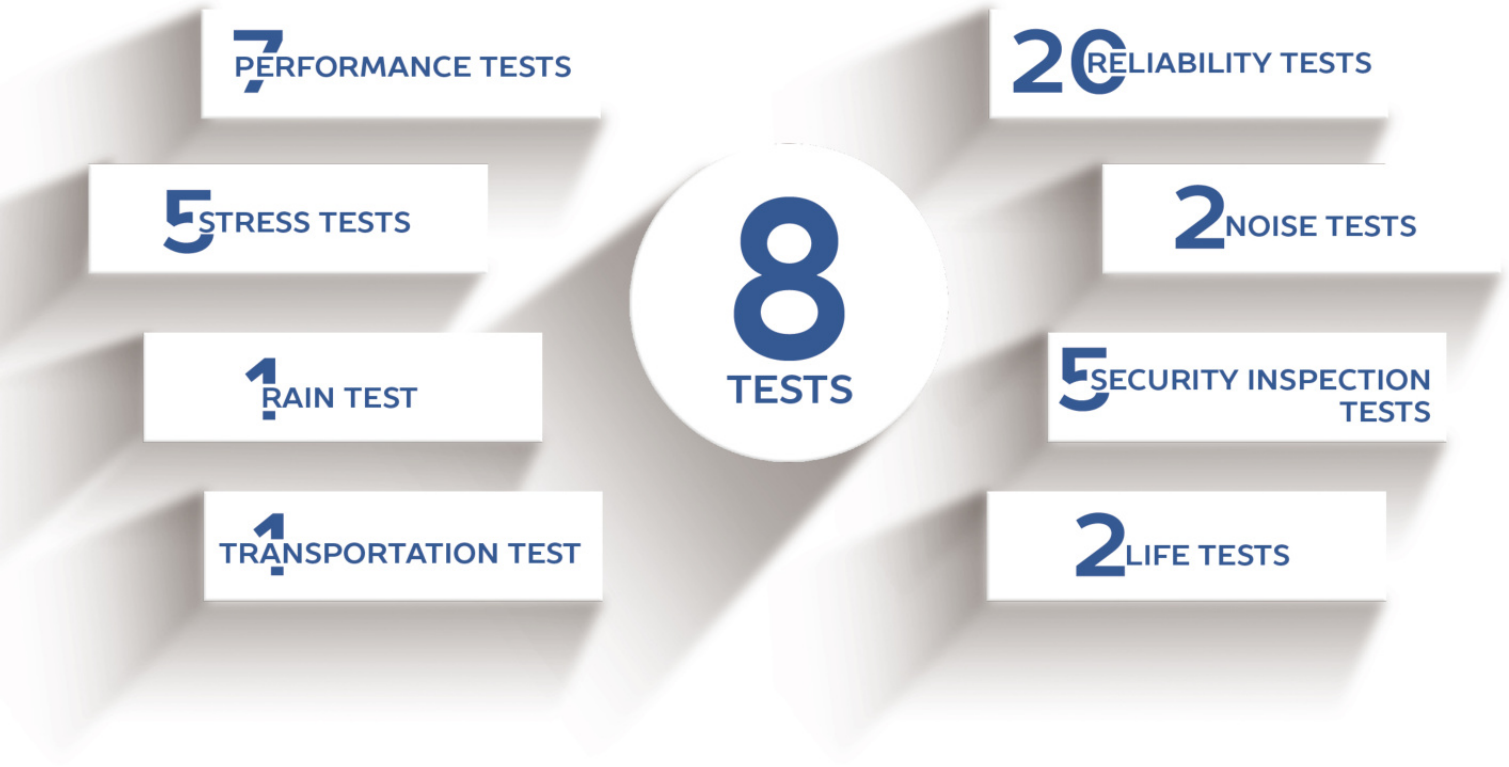
CASCADE SYSTEM DIAGRAM



- Maximum of 8 units can be controlled with one touch screen.
- Connect 1 master to 7 slaves for networking.
- Can be operated independently or in group.
- Automatically control the start and stop of the machine based on water temperature.
- Multiple heat pumps can work together to improve the efficiency and energy efficiency of the system.

QUALITY CONTROL

Each air source heat pump must pass 43 standard tests in 8 categories from the beginning of production to the finished product.



ISO9000 Quality Definition

Quality:
The degree to which a set of inherent characteristics meets requirements.

Requirements:
Includes implicit and specified needs, which in many cases may change over time.

Quality Policy:
"Adopt advanced technology, adhere to continuous innovation, enhance customer satisfaction, and fulfill quality commitments."

SPECIFICATIONS

Name	Heat Pump Water Heater			
Operation Ambient Temp.	-15℃~45℃			
Model	WKFXRS-15 II BM/A2		WKFXRS-32 II BM/A2	
Power Supply	380V 3N ~ 50HZ			
Anti-Electric Shock Rate	Class Ⅰ		Class Ⅰ	
Performance Condition	Performance Condition 1	Performance Condition 2	Performance Condition 1	Performance Condition 2
Heating Capacity	15000W (9000W~16800W)	12500W (11000W~14300W)	32000W (26520W~33700W)	27000W (22000W~29000W)
Power Input	3000W	3125W	6270W	6580W
COP	5.0	4.0	5.1	4.1
Working Current	5.4A	5.7A	11.2A	11.8A
Hot Water Yield	323L/h	230L/h	690L/h	505L/h
AHPF	4.4		4.38	
Max Power Input/Max Running Current	5000W/9.2A		10000W/17.9A	
Max Outlet Water Temp	60℃		60℃	
Rated Water Flow	2.15m³/h		4.64m³/h	
Water Pressure Drop	40kPa		40kPa	
Max Pressure On High/Low Pressure Side	4.5MPa/4.5MPa		4.5MPa/4.5MPa	
Allowable Discharge/Sucion Pressure	4.5MPa/1.5MPa		4.5MPa/1.5MPa	
Max Pressure on Evaporator	4.5MPa		4.5MPa	
Water Pipe Connection	DN32/1¼"internal thread		DN40"internal thread	
Sound Pressure (1m)	56dB(A)		62dB(A)	
Refrigerant/Charge	R32/2.3kg		R32/3.4kg	
Dimensions (LxWxH)	800×800×1075(mm)		1620×850×1200(mm)	
Net Weight	131kg		240kg	
Serial No.	Refer to the barcode			
Manufacture Date:	Refer to the barcode			
Standard: GB/T 21362-2023				

The nominal working condition 1 parameters of this technology are tested under working conditions: ambient dry bulb temperature 20°C, wet bulb temperature 15°C, initial watertemperature 15°C, and end water temperature 55°C;

The nominal 2 working condition parameters were tested under the conditions of ambient dry bulb temperature of 7°C, wet bulb temperature of 6°C, initial water temperature of 9°C, and final water temperature of 55°C.

The above parameters, if there are slight differences due to technical improvements, please refer to the relevant specifications of the actual product for accuracy.

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