

Hien[®]

**COMMERCIAL
AIR SOURCE HEAT PUMP
WATER HEATERS**

FULL DC INVERTER


R32





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 60000 m² construction area and more than 1000 processing equipment, the main factory has 6 assembly lines, and the branch factory has 3 production workshops. Main products are air source heat pumps for residential, commercial, and industrial use. The capacity of our products are from 3KW to 320KW, mainly for heating, cooling and domestic hot water. As well as heat pump dryers for the production of tobacco, aroma wicks, medicinal herbs, tea, fruits and vegetables, and other categories.

TECHNICAL ADVANTAGES



Easier to recycle than R410A, as R32 is a single component refrigerant.



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









The machine can operate at a temperature of -15°C



Intelligent Defrosting





-  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.
-  Insulation and noise reduction treatment enhance efficiency and reduce noise levels.
-  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.

SPECIFICATIONS



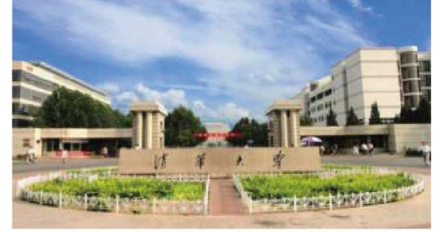
Product Name	Heat Pump Water Heater		Heat Pump Water Heater	
Operation Ambient Temperature	-15°C ~45°C		-15°C ~45°C	
Model	WKFXRS-19 II BM/A2		WKFXRS-42 II BM/A2	
Power supply	380V 3N ~ 50HZ		380V 3N ~ 50HZ	
Anti-electric Shock Rate	Class I		Class I	
Test Condition	Test Condition 1	Test Condition 2	Test Condition 1	Test Condition 2
Heating Capacity	20000W (18000W~23000W)	20000W (15000W~18800W)	42000W	32000W
Power input	4330W	4450W	8920W	8120W
COP	4.62	3.93	4.71	3.94
Working Current	7.5A	7.7A	16A	14.1A
Water Flow Volume	430L/h	330L/h	900L/h	600L/h
Annual Heating PerformanceFactor	4.28		4.07	
Max Power Input/Max Running current	6700W/11.5A		12500W/21A	
Max Outlet Water Temp	60°C		60°C	
Water Circulation	3.0m³/h		5.5m³/h	
Water Pressure Drop	77kPa		80kPa	
Max Pressure On High/LowPressure Side	4.5MPa/4.5MPa		4.5MPa/4.5MPa	
Allowable Discharge/SucionPressure	4.5MPa/1.5MPa		4.5MPa/1.5MPa	
Max Pressure On Evaporator	4.5MPa		4.5MPa	
Water Pipe Connection	DN32/1¼"internal thread		DN40/1½"internal thread	
Refrigerant/kg	R32/2.3kg		R32/3.4kg	
Dimensions (L x W x H)	800x800x1075(mm)		1620x850x1200(mm)	
Net Weight	119kg		220kg	

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

PROJECTS

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

SCHOOLS



HOSPITALS



RESIDENTIAL



HIGHLIGHT



The 2008 Shanghai World Expo.

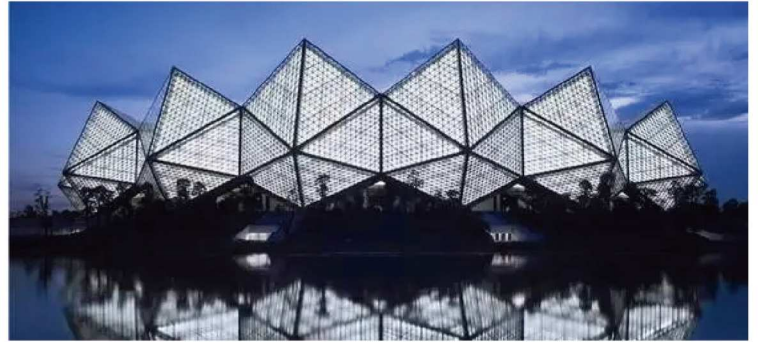


The 2013 Boao Summit for Asia in Hainan.

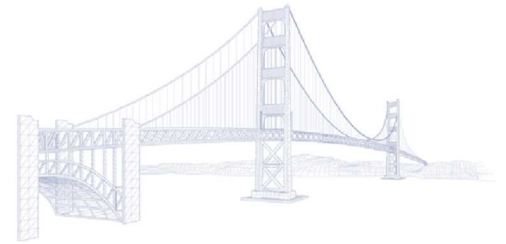


Universiade SHENZHEN 2011

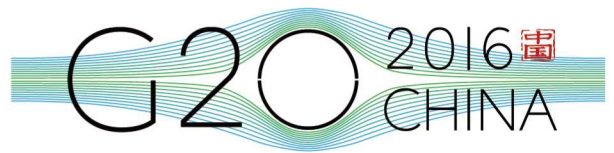
The 2011 Universiade in Shenzhen.



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



2016 the hot water reconstruction project of Qingdao port.



2016 the G20 Hangzhou Summit.



The 2022 Beijing Winter Olympic Games & Paralympic Games.



2023 the Asian Games in Hangzhou

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