



Head-Power  
浩 特 普 尔



2020  
Product Manual

[Http://www.china-headpower.com](http://www.china-headpower.com)



## BRIEF INTRODUCTION

Since its establishment in 2001, Guangdong Head-power Air Conditioning Co., Ltd. has been committed to the technological innovation and upgrading of air conditioning and heat pump based on the needs of social development, and constantly forge ahead to achieve new brilliance.

Our company's products have covered a full range of multi-scale cold and hot water units, Heat pump air conditioning units, combined air processing equipment and air conditioning terminal devices. It has a variety of new high-efficiency heat recovery heat pump air conditioning system equipment, such as solution conditioning fresh air unit and heat pump full heat recovery fresh air unit. Its application field has also expanded from building heating and air conditioning cold and heat source equipment to special refrigeration and air conditioning equipment.

Head-power company regards the quality as the life of the enterprise, and the products have passed ISO9001 international quality system certification, ISO14001 environmental system certification, ISO45001 occupational health system certification, and obtained explosion-proof air conditioning certificate. The export products have CCS, CE, SC and other international certification as well. According to the relevant national standards, our company has completed the construction of relevant product experiment platform, and each type of product needs to pass the strict configuration experiment, test, trial operation under adverse conditions and other series of standardized tests.

Head-power company adheres to the concept of "scientific and technological innovation, intelligent creation of the future", with the goal of "high efficiency, energy saving and environmental protection", and constantly pursues technological progress. At present, our company has obtained many national invention patents and more than ten utility model patents. Our company has established long-term cooperative relationship with famous universities such as Central South University, and invited authoritative experts as consultants and special science and technology personnel to grasp the forefront of engineering technology development in a timely manner.

Head-power company has actively participated in the standardization work, edited the national standards of terms of HVAC system cleaning equipment (GB/T29909-2013) and participated in the preparation of the industrial engineering specifications of code for design of chemical heating ventilation and air conditioning (HG/T20698-2009). At present, our company is also the Secretariat organization of Guangdong HVAC and purification equipment standardization technical committee, and presides over the formulation of Guangdong local standard "technical conditions for application of solution dehumidification air conditioning".

With the products widely and successfully used in various construction projects and production processes at home and abroad, Head-power company has established an excellent brand image in the industry. We will continue to make unremitting efforts to create a better future together with colleagues in the industry.

▶▶▶ CHILLER & HEAT PUMP WATER HEATER



**Air cooled screw heat pump water chiller**

Refrigerant:R407c/R134a/R22;  
Cooling capacity :148kw-1250kw;  
Heating capacity 170-1350kw



**Air cooled scroll heat pump water chiller ( Fixed/Inverter )**

Refrigerant:R410a/R407c/R134a/R22;  
Cooling capacity:7kw-520kw; Heating capacity:8-560kw



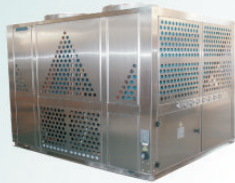
**Water cooled screw chiller**

Refrigerant:R407c/R134a/R22;  
Cooling capacity:150kw-3500kw



**Water cooled scroll chiller ( Fixed/Inverter )**

Refrigerant:R410a/R407c/R134a/R22;  
Cooling capacity: 9kw-720kw



**Air source heat pump water heater ( Domestic hot water / swimming pool water )**

Refrigerant:R410a/R407c/R134a/R22;  
Heating capacity: 8-560kw



**Air cooled/water cooled heat pump chiller for cooling, heating and hot water supply solution**

Refrigerant:R410a/R407c/R134a/R22;  
Cooling capacity:7kw-1250kw;  
Heating capacity:8-1350kw;  
Heat recovery:8-1350kw

▶▶▶ COMMERCIAL AIR CONDITIONING



**Air cooled split air conditioner ( Fixed/Inverter)**

Refrigerant: R410a/R407c/R134a/R22; Air flow:1000-100000CMH;  
Cooling capacity:7kw-560kw; Heating capacity: 8-600kw



**Rooftop package air conditioner ( Fixed/Inverter )**

Refrigerant:R410a/R407c/R134a/R22; Air flow:1000-100000CMH;  
Cooling capacity:7kw-560kw; Heating capacity:8-600kw



## Water source heat pump air conditioner ( Fixed/Inveter )

Refrigerant:R410a/R407c/R134a/R22; Air flow:500–50000CMH;  
Cooling capacity:3kw–300kw; Heating capacity:3.2–320kw



## Water cooled package air conditioner ( Fixed/Inveter )

Refrigerant:R410a/R407c/R134a/R22; Air flow:1500–100000CMH;  
Cooling capacity:9kw–650kw

### ▶▶▶ AIR COOLED / WATER COOLED CONSTANT TEMPERATURE (CONSTANT HUMIDITY) CLEANING AIR CONDITIONER



## Air cooled / water cooled cleaning air conditioner ( Fixed/Inveter )

Refrigerant:R410a/R407c/R134a/R22; Air flow:1000–100000CMH;  
Cooling capacity:7kw–560kw; Heating capacity:8–600kw



## Air cooled / water cooled constant temperature & humidity cleaning air conditioner ( Fixed/Inveter )

Refrigerant:R410a/R407c/R134a/R22; Air flow:1000–100000CMH;  
Cooling capacity:7kw–560kw; Heating capacity:3–150kw

### ▶▶▶ HEAT RECOVERY TYPE FRESH AIR AIR CONDITIONER



## Plate type HRV fresh air conditioner

Fresh/Exhaust air flow:1000–20000CMH;  
Sensible heat efficiency  $\geq 68\%$ ; Total heat efficiency  $\geq 63\%$



## Rotor type HRV fresh air conditioner

Refrigerant:R410a/R407c/R134a/R22; Fresh/Exhaust air flow:1000–50000CMH;  
Cooling capacity:7kw–300kw; Heating capacity:8–330kw;  
Sensible heat efficiency  $\geq 73\%$ ; Total heat efficiency  $\geq 70\%$



## Heat pump HRV fresh air conditioner ( Fixed/Inveter )

Refrigerant:R410a/R407c/R134a/R22; Fresh/Exhaust air flow:1000–50000CMH;  
Cooling capacity:7kw–300kw; Heating capacity:8–330kw



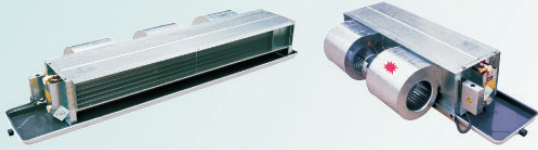
### ▶▶▶ PRECISION AIR CONDITIONER



## Air cooled/Water cooled/Chilled water precision air conditioner ( Fixed/Inveter )

Refrigerant:R410a/R407c/R22/chilled water; Air flow:2000–45000CMH;  
Cooling capacity:7kw–180kw

## ▶▶▶ AHU



**Fan coil unit**  
Air flow:360-5000CMH;  
Cooling capacity:2kw-40kw



**Cabinet fan coil unit**  
Air flow:1000-60000CMH;  
Cooling capacity:7kw-460kw



**Assembly air handling unit**  
Air flow:2000-200000CMH;  
Cooling capacity:12kw-1800kw

## ▶▶▶ DEHUMIDIFIER



**Refrigeration dehumidifier(temp.rising/thermostat)**  
Refrigerant:R410a/R407c/R134a/R22;  
Dehumidification capacity:6-200kg/h



**Rotor dehumidifier(temp. rising/thermostat )**  
Refrigerant:R410a/R407c/R134a/R22;  
Dehumidification capacity:3-120kg/h



**Swimming pool dehumidification air conditioner**  
Refrigerant:R410a/R407c/R134a/R22; Air flow:2000-50000CMH;  
Dehumidification capacity:8-250kg/h; Cooling capacity:10kw-360kw



## SPECIAL AIR CONDITIONER



### The yacht air conditioner ( Fixed/Inveter )

Refrigerant:R410a/R407c/R22/chilled water;  
Air flow:300-1800CMH; Cooling capacity:1.8kw-10.6kw



### Marine air conditioner ( Fixed/Inveter )

Refrigerant:R410a/R407c/R134a/R22/chilled wate;  
Air flow:1000-50000CMH; Coling capacity:7kw-300kw



### High temperature air conditioner

Refrigerant:R142b/R134a/R22;  
Air flow:500-30000CMH; Cooling capacity:2.6kw-168kw



### Explosion proof air conditioner

Refrigerant:R410a/R407c/R134a/R22;  
Air flow:1000-50000CMH; Cooling capacity:7kw-300kw



### Anticorrosive air conditioner

Refrigerant:R410a/R407c/R134a/R22;  
Air flow1000-50000CMH; Cooling capacity:7kw-300kw



### Tent air conditioner

Refrigerant:R410a/R407c/R134a/R22;  
Air flow:1000-35000CMH; Cooling capacity:2.8kw-200kw;  
Heating capacity:3-220kw



## MULTIFUNCTIONAL FRESH AIR DEHUMIDIFICATION CLEANING SYSTEM(VILLAR & HOME TYPE)



### HRV Multifunctional Heat pump fresh air AC ( Fixed/ Inveter )

Refrigerant:R410a; fresh/Exhaust; Air flow:300-1000CMH;  
Cooling capacity:3.2kw-9.6kw;  
Dehumidification capacity:50-120kg/d;  
Heating capacity:3.3-10kw )



### Duct type cleaning fresh air dehumidifier

Refrigerant:R410a/R407c;  
Dehumidification capacity:28-120kg/d





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Head-power products are constantly being improved and updated. If there are changes in the contents and specifications in the catalogue, forgive us for not giving notice one by one.