



Shandong Shenzhou Refrigeration Equipment Co.,Ltd Product catalog

www.arkref.com





Catalogue

1. Heat pump air conditioner product introduction
2. Industrial chiller
3. Other products
4. Product application



Central air-conditioning classification

Fluorine machine: multi-line, computer room air-conditioning

Compression condensing unit + direct expansion surface cooler for heating and cooling requirements

Water machine: large screw, centrifugal chiller

Water source heat pump

Air-cooled chilled water (heat pump) unit

Low temperature air source heat pump (chiller) unit



Classification of modular machines

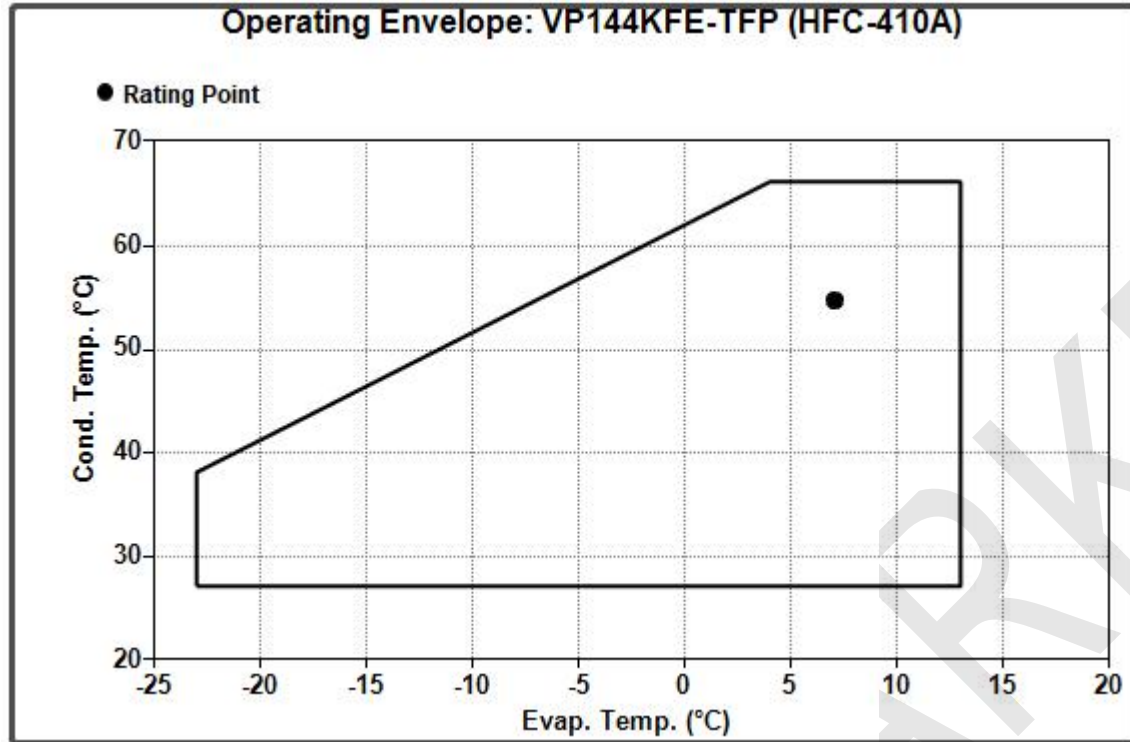
Applicable working conditions for air-cooled chilled water (heat pump) units: heating
ambient temperature above -5°C

Refrigeration: A35W7; Heating: A7W45 GB/T18430

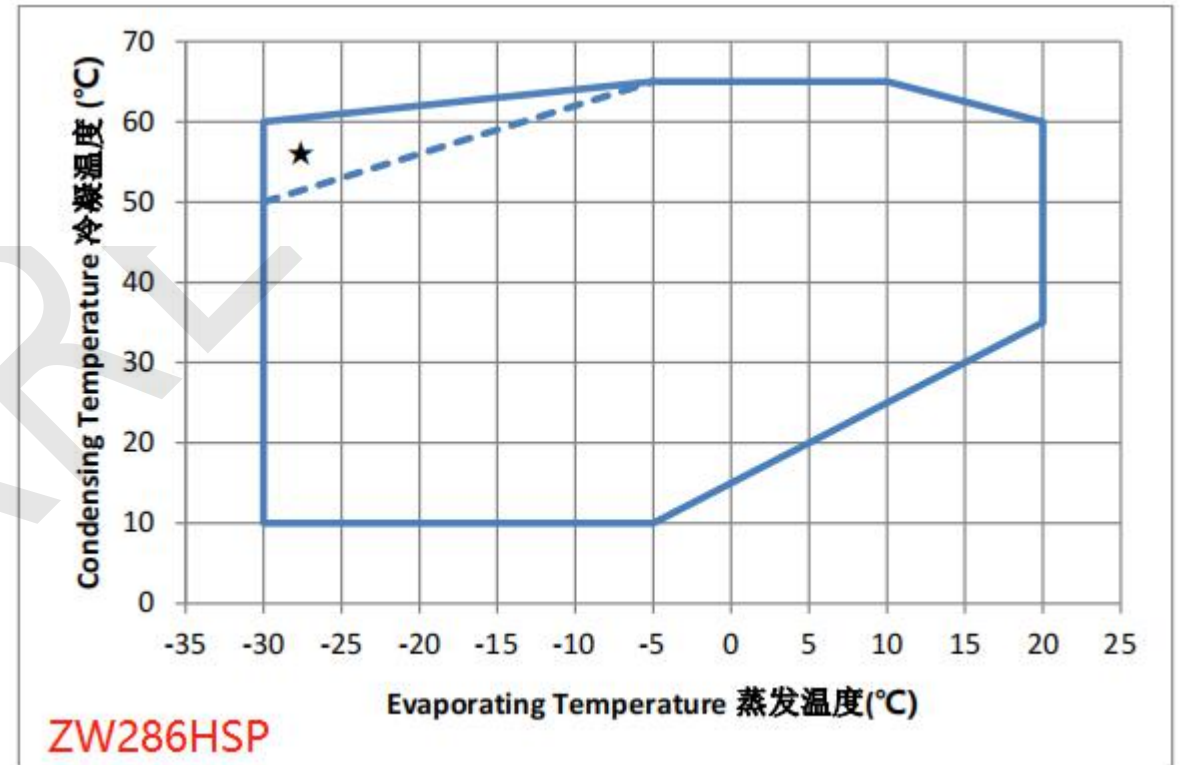
Low temperature air source heat pump (cold water) unit applicable working conditions:
heating ambient temperature above -25°C

Refrigeration: A35W7; Heating: A-12W41 GB/T25127

Compressor Selection



**Air-cooled chilled water (heat pump) unit
Copeland's Z(V)R/Z(V)P series compressors**



**Low temperature air source heat pump (chiller) unit
Copeland's ZW/VPI series compressors**



Product configuration(Brand options)

NO.	Components
1	Motor
2	Compressor
3	Flow switch
4	Heat exchanger -water side
5	Fin heat exchanger
6	Controller
7	Electronic expansion valve, four-way valve
8	High & low pressure switch
9	Circuit breaker, contactor
10	Reservoir
11	suction
12	wire
13	High & low pressure guage
14	Sheet metal
15	Copper tube
16	Refrigerant



Air-cooled chilled water (heat pump) unit product line



Small business machine (5, 10, 15 hp heating and cooling, hot water)



Commercial machine (48 hp heating and cooling)



Villa machine (10/12HP heating and cooling)



Commercial machine (24HP heating and cooling)



Commercial machine (60~100hp heating and cooling)



Low temperature air source heat pump (chiller) unit product line



Household machine (3~5HP heating and cooling)



Small commercial machine (5/10/15hp heating and cooling, hot water)



Villa machine (10/12HP heating and cooling)



Commercial machine (22/26hp heating and cooling)

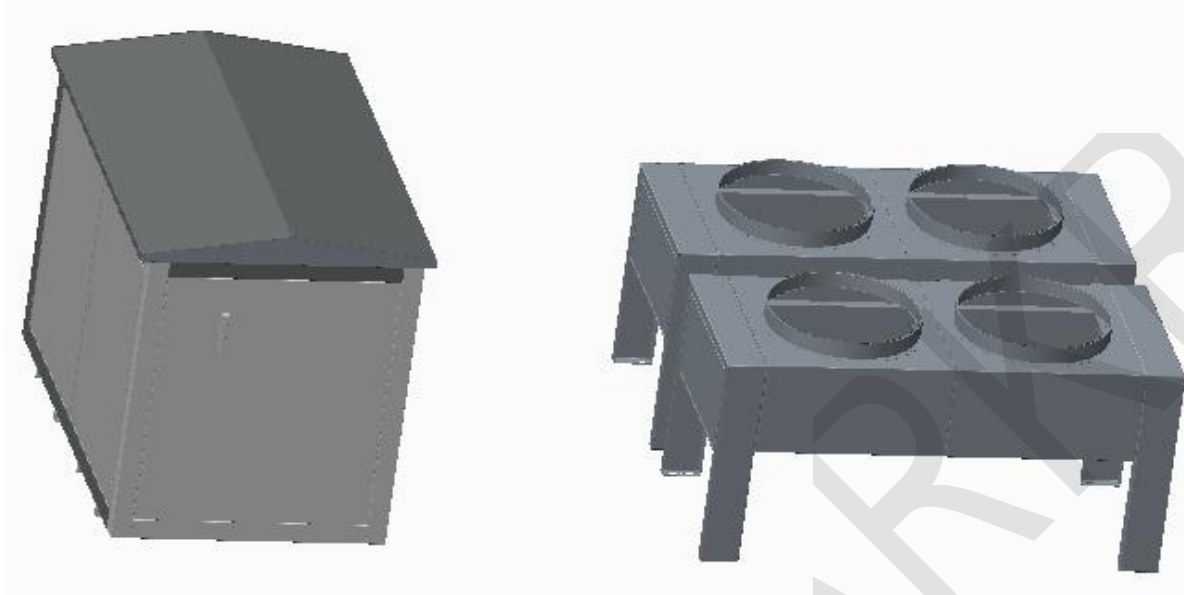


Commercial machine (44/52hp heating and cooling)



Commercial machine (60~100hp heating and cooling)

Project cases



10HP: High efficiency, low noise split machine (below 50 dB)

2. Water source heating pump





Cold and hot processing heat pump





Special air conditioner for mine





The first air source
heat pump central
heating demonstration
project of China.



Jinan Bank of China Building (office building) 50,000 m² office building heating

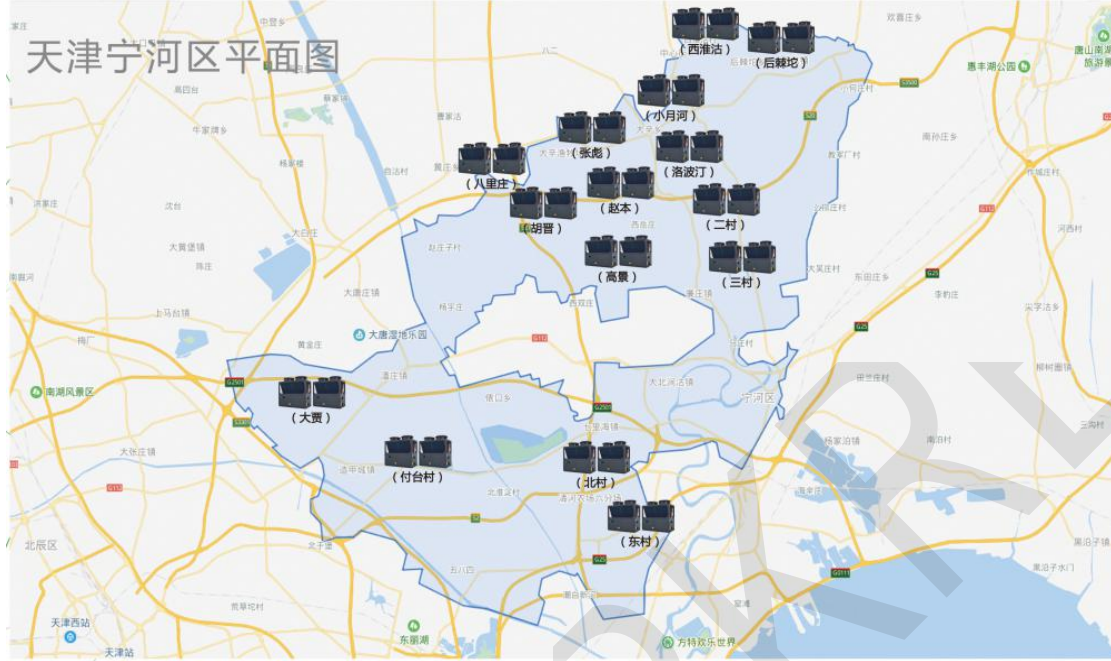


Qilu Medical College 170,000 m² meters campus heating and cooling





1.2 million m² of heating in rural areas of Ninghe District, Tianjin





400,000 m² of building heating in Hohhot, Inner Mongolia





100 tons/day of bathing hot water in Beijing Da'anshan Coal Mine





Livestock breeding and heating





Heating & cooling of agricultural greenhouses

