

Energy Saving and High Efficiency



Flexible multi module combination, mostly operating at part load, energy saving up to above 50%

Can quickly match cooling load demand by changing module quantity by configuring an optional main controller.

Each module can operate in peak efficiency working condition by configuring an optional main controller, enhancing the unit's annual efficiency compared with convectional packaged oil free water-cooled chiller.

Easy for Transportation



Don't need large lifting device during transportation and installation. The modular unit can be transported through cargo elevator to the plant of the building easily.

Compact Structure, Small Footprint



Thanks to the compact structure with compressor, evaporator, condenser from top to bottom, the unit doesn't need to be disassembled to get into the elevator. Besides, the modular unit is with 50% smaller footprint compared with convectional packaged oil free water-cooled chiller, which is especially suitable for reconstruction projects which are without specially transportation channel and limited space.



Light

Weight of the modular unit is lighter than 1.6 ton. It can be transported through the cargo elevator easily. This is very helpful in super high layer buildings.



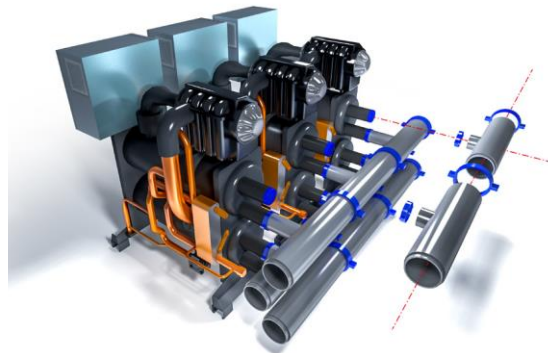
Lower Noise

With oil free compressor, the unit is with less vibration and lower noise during operation. Compared with old convectional units, the noise can be 10~15dB(A).



Flexible Redundancy

Thanks to the modular design, the modular unit is flexible for redundancy. The customer can configure more modular units demand in the future to achieve larger cooling capacity. Only need to connect the preserved pipe which is very convenient.



Control System

The microprocessor specially designed for modular water-cooled oil free centrifugal chiller features friendly user interface, excellent control, strong expansion ability and compatibility.

Friendly Interface

Each modular unit is configured with an independent controller. It can control the unit independently or connected to an optional main controller. The main controller can adjust the cooling capacity for each module to ensure maximum efficiency, safety, stability and precise operation of the entire system. The main controller is configured with a LCD touch screen with graphical display interface, menu management, running status display, real-time data information for troubleshooting, parameter adjustment and setting, unique "black box" fault record and analysis system.



Main Controller Display



Module Display

Unit Control and Operation Management

Both the main controller interface and modular unit controller interface can display the module unit operating status, operating curve, parameters setting, alarm recording etc.

Operating status

Chilled water inlet/outlet temperature, cooled water inlet/outlet temperature, modular unit operating status, compressor suction/discharge temperature and pressure, real time and history temperature/pressure curve,



Fault Recording

Record operating time of each module and load segment; intelligent control and balance work load of each module; with complete fault protection, alarm and recording functions, keeping fault recordings and on site data.



Compressor Status

Display compressor status, operating load and operating time etc.



Parameters Setting

Adjust and set operating and protection parameters to adapt to different applications.

