

Air Conditioning

Marine HVAC&R range guide · 32 products · josungroup.com

Air Conditioning equipment from JIANGSU JOSUN AIR CONDITIONER CO., LTD, the marine and offshore environmental control range published on josungroup.com. For drawings, performance data or a project-specific selection, send an enquiry.



CFK (F) Marine Air Cooled Split AC Unit

Split AC unit

CFK(F) marine air cooled split AC unit is a AC unit after several years of continuous technical improvement, carrying the technology security and innovation, the main function is to conduct cooling and dehumidification in summer, heating in winter and ventilation in middle seasons. In AC working condition, it adjusts room temperature and humidity; in ventilation condition, it supplies fresh air to rooms



CFK-3~35 marine water cooled split AC unit

Split AC unit

Marine water cooled split AC unit is a AC unit after several years of continuous technical improvement, carrying the technology security and innovation, the main function is to conduct cooling and dehumidification in summer, heating in winter and ventilation in middle seasons. In AC working condition, it adjusts room temperature and humidity; in ventilation condition, it supplies fresh air to rooms



CFP ceiling suction fan coil

Fan coil unit

Marine ceiling suction fan coil unit body is placed in the ceiling compartment, luxurious ABS panel can beautify the ceiling. The circular heat exchanger has uniform heat exchange, and the eddy current fan has four-dimensional uniform air supply and adjustable air supply Angle. Unit water pan deepen design, and equipped with condensate lift pump. The problem of condensate leakage was solved effectively.



CFP floor mounted fan coil

Fan coil unit

Floor mounted fan coil is a terminal unit with new design concept, generally, it is mounted in the bottom of cabinet, bunk or other enclosed space, the treated air is sent to air supply grille in high place or other places through flexible insulation air ducts. It has the features of new design, simple operation, reliable running, convenient maintenance; it is widely used in all kinds of passenger ships, cargo ships, yachts and public service vessels



CFP-1.7~7LA marine vertical hidden mounted fan coil

Fan coil unit

Marine vertical hidden mounted fan coil needn't occupy effective space, it is arranged in wall or notch with decorative sheet, clients can set down/ front return air, front/ inclined up outlet



CFP-1.7~7WA marine horizontal hidden mounted fan coil

Fan coil unit

Marine horizontal hidden mounted fan coil, the water pond is deepened and designed in double-deck. The fan coil is suspended above ceiling. Air outlet grille is equipped. It is controlled by temperature controller installed on bulkhead.



CFP-xWM marine horizontal open mounted fan coil

Fan coil unit

Marine horizontal open mounted fan coil, the water pond is deepening design, return air grille, outlet grille are installed in unit. It can be used directly after lifting on cabin roof. Inlet and outlet can be set in front or behind unit, they also can be set at the bottom of unit. The arrangement is flexible, operation is convenient.



CJKR (F) Marine Air Cooled AHU

Packaged air conditioner

Marine air cooled AHU is a air cooled central AC unit after several years of continuous technical improvement, carrying the technology security and innovation, the main function is to conduct cooling and dehumidification in summer, heating in winter and ventilation in middle seasons. This AC unit completes all heat and humidity exchange in plant, the treated air is delivered to each cabin through air duct, terminal units.



CJKR Marine Water Cooled AHU

Packaged air conditioner

Marine water cooled AHU is a central AC unit after several years of continuous technical improvement, carrying the technology security and innovation, the main function is to conduct cooling and dehumidification in summer, heating in winter and ventilation in middle seasons. This AHU completes all heat and humidity exchange in plant, the treated air is delivered to each cabin through air duct, terminal units.



CLD-B marine low noise self-contained AC unit

Self-contained AC unit

Marine low noise self-contained AC unit is a unit after several years of continuous technical improvement, carrying the technology security and innovation, the main function is to conduct cooling and dehumidification in summer, heating in winter and ventilation in middle seasons. In air conditioning working condition, it is used to adjust room temperature and humidity; in ventilation condition, it conducts circulating ventilation to room air.



CLD-BE marine all fresh air self-contained AC unit

Self-contained AC unit

Marine all fresh air self-contained AC unit is a AC unit after several years of continuous technical improvement, carrying the technology security and innovation, the main function is to conduct cooling and dehumidification in summer, heating in winter and ventilation in middle seasons. In AC working condition, it adjusts room temperature and humidity; in ventilation condition, it supplies fresh air to rooms



CLD-C Marine Low Noise Self-contained AC Unit

Self-contained AC unit

CLD-C marine low noise self-contained AC unit is an air conditioning unit which directly deals with the air in the cabin, and it is an improved model of CLD-B self-contained AC unit. The air conditioner can reduce the noise of air conditioner by optimizing parameters, improving structure and adopting professional noise reduction measures. It can be applied to places with special requirements on cabin noise, and can be widely used in various types of ships, passenger ships, cargo ships and offshore oil platforms.



CLN(F)-23~302 marine air cooled compress-condensing unit

Compress-condensing unit

Marine water cooled compress-condensing unit is a supplement to marine AC unit, it splits the original marine AC unit into marine water cooled compress-condensing unit and marine AHU according to installation site requirements. It has the features of convenient operation, stable running, safety and reliability, flexible arrangement, convenient maintenance. The main function is providing suitable cooling medium for direct evaporation type terminal of marine AC system.



CLN-23~302 marine water cooled compress-condensing unit

Compress-condensing unit

Marine water cooled compress-condensing unit is a supplement to marine AC unit, it splits the original marine AC unit into marine water cooled compress-condensing unit and marine AHU according to installation site requirements. It has the features of convenient operation, stable running, safety and reliability, flexible arrangement, convenient maintenance. The main function is providing suitable cooling medium for direct evaporation type terminal of marine AC system.



CLS (F)-8.2~756 marine air cooled water chiller

Water chiller

Marine air cooled water chiller is a central AC unit and main equipment of indirect AC system after several years of continuous technical improvement, carrying the technology security and innovation. The main function is to take refrigerant as cooling medium, make low temperature chilled water and provide it to AC terminals, chilled water conducts heat exchange with air when flows through coil, thus realize the cooling and dehumidification purpose.



CLS Water Cooled Water Chiller

Water chiller

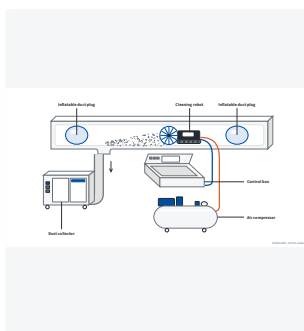
Marine water chiller is a central AC unit and main equipment of indirect AC system after several years of continuous technical improvement, carrying the technology security and innovation. Marine water chiller also known as refrigeration unit, cooling-water machine, ice water machine, in actual application, it is refrigeration equipment in different names, it is a component of AC refrigeration system.



CRS marine water source heat pump hot water tank

other

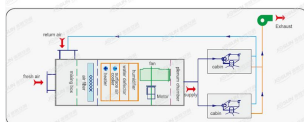
CRS marine water source heat pump hot water tank provides a superior alternative to the traditional heating method of ships, mainly providing hot water for washing and washing at 60°C for living and production. The sea water source heat pump hot water tank adopts heat pump technology, absorbs the low heat that is difficult to be directly used in the seawater, and transfers it into the high heat that can be used through the principle of reverse Carnot cycle.



Central AC cleaning system

Central AC cleaning system

Due to long-term living in ships, the vast majority of ship owners and ship owners have developed awareness of cleaning ventilation systems. However, due to the lack of professional cleaning teams, a large number of central air conditioning and ventilation systems in ships have not been cleaned. In order to create a healthy and comfortable working and living environment, ships need to clean their central air conditioning and ventilation systems!



Constant Air Volume (CAV) Air Conditioning System

Constant air volume (CAV) AC system

CAV AC systems handle the fresh air and return air and distribute it through air duct system to each AC room. The temp of air conditioning cabin is controlled by the return air or the typical cabin temp, which can satisfy the air conditioning demand of general ships. It is composed of AHU, cabin unit, duct system and control system.



Epidemic Prevention Air-conditioning System

Epidemic prevention air-conditioning system

Ship navigation has the characteristics of long duration, high personnel density, relatively closed environment, microclimate stagnation in some places, and limited medical conditions. If the design of air conditioning and ventilation system is not reasonable, it is easy to cause bacterial breeding and virus cross infection. How to filter, sterilize and disinfect the air in ship cabin, eliminate cross infection and improve the comfort and air quality of cabin has become an urgent task to be solved.



Fresh Air Energy-saving VAV AHU

Air handling unit

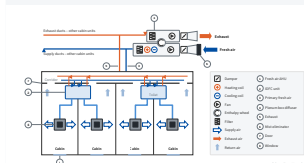
ZKZ series AHU is fresh air variable frequency plant with heat recovery wheel. AHU has the functions of heat treatment, sterilization, air purification, filtration, heat recovery and silencing. It is mainly used in large cruise ships, platforms, of?cial ships and RoPax ships.



IDFC Air Conditioning Unit

Air handling unit

The IDFC air conditioning system is composed of a fresh air system which provides treated air to AC rooms through medium and low pressure single duct system and a return air system which adopts IDFC AC unit to treat return air. IDFC AC unit can ensure the comfort and individualization of each cabin.



Intelligent Decentralized Fan Coil System (IDFC)

Intelligent decentralized fan coil system (IDFC)

The IDFC air conditioning system is composed of a fresh air system which provides treated air to AC rooms through medium and low pressure single duct system and a return air system which adopts IDFC AC unit to treat return air. IDFC AC unit can ensure the comfort and individualization of each cabin.



JTLS light water chiller

Yacht chiller

JTLS-XX marine light water chiller is the main equipment of chilled (heating medium) water AC system, it takes environment friendly refrigerant as cooling medium, to make chilled (heating) circulating water and supply to AC terminals, chilled (heating) water is pumped into heat exchange coil by water pump and conduct heat exchange with air, thus realize the purpose of cooling and dehumidification in summer, heating in winter.



JTZK Packaged AC Unit

Small-size AC unit

Packaged AC unit is small size water cooled direct evaporating type marine heating and cooling AC unit. It has the features of new design, simple operation, reliable running and convenient maintenance; it is widely used in all kinds of passenger ships, cargo ships, yachts and public service vessels.



MGO Cooling System

MGO

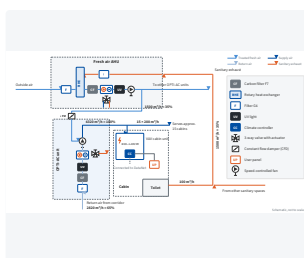
MGO cooling system is based on the principle of oil cooling system with CFC as refrigerant, preparing low temperature chilled water, and delivered to water-oil heat exchanger through circulating pump. Chilled water reduces the fuel temperature to 17°C to make its viscosity increased to more than 2CST, to meet the demand of the current Marine diesel engine and fuel supply system.



OPTI Air Conditioning Unit

Air handling unit

Opti-ac air conditioning system is a combination of the whole fresh air system which provides the air fully treated by the fresh air conditioner to each air conditioning chamber through the medium and low pressure single air duct system and the air conditioning system which treats the return air through the Opti-AC unit. Opti-ac air conditioning system ensures a comfortable and personalized environment for each air-conditioned cabin.



Optimized Air Conditioning System(OPTI)

Optimized air conditioning system (OPTI)

OPTI AC system is composed of a fresh air system which provides treated air to AC rooms through medium and low pressure single duct system and a return air system which adopts optimized AC unit to treat return air. OPTI AC system can ensure the comfort and individuation of each cabin.



Rated pressure exhausting and water charging device is applicable to central air conditioning chilled water and heating water system in all kinds of ships . It is one of main equipment in AC water system to rate pressure, exhaust air, charge water automatically. It is composed of chilled/ heating water pump, vacuum exhaust device, water replenishing device, pressure expansion tank, plate type heat exchanger, two-way regulation valve, pressure gauge, stop valve, strainer, duct and electric control box.



Marine direct AHU is a central AHU after several years of continuous technical improvement, carrying the technology security and innovation, the main function is to equip with marine compress-condensing unit and conduct cooling and dehumidification in summer, heating in winter and ventilation in middle seasons. This AHU completes all heat and humidity exchange in plant, the treated air is delivered to each cabin through air duct, terminal units.



This AHU is the main equipment of indirect AC system. It adopts advanced ultraviolet sterilization and frequency conversion technology and has functions of sterilization, noise reduction, refrigeration, dehumidification, heating, humidification and ventilation.



Variable Air Volume (VAV) air conditioning system is a type of centralized all air air conditioning system that can automatically adjust the supply air volume of the corresponding VAV terminal devices in the air conditioning system according to changes in load, temperature, or air quality (CO₂) in the cabin, so that the indoor temperature, air quality, etc. meet the set requirements. When the air supply volume in the cabin decreases with the decrease of air conditioning load, the fan of the air conditioning system adjusts its speed through a variable frequency device to reduce the air supply volume of the air conditioning system, which has the advantages of energy saving, low noise, intelligent control, etc.

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