



Marine HVAC&R Product Catalogue

Air conditioning · refrigeration · ventilation · dehumidification · marine special systems

About JOSUN

JIANGSU JOSUN AIR CONDITIONER CO., LTD was founded in 1985 and is based in Taixing, Jiangsu, China. The company designs, manufactures, sells and services environmental control systems for ships, offshore units and other special spaces.

This catalogue covers the marine and offshore range published on josungroup.com, the English-language site for JIANGSU JOSUN AIR CONDITIONER CO., LTD: air conditioning, refrigeration, ventilation, dehumidification, and the cooling systems built for dual-fuel, inert gas and battery-powered vessels.

1985

FOUNDED

5

PRODUCT RANGES

91

PRODUCTS IN THIS CATALOGUE

21

COUNTRIES & REGIONS SERVED

Contents

Air Conditioning	3
32 products	
Refrigeration	11
10 products	
Ventilation	14
36 products	
Dehumidification	22
4 products	
Marine Special Systems	23
9 products	

Air Conditioning

32 products



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

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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

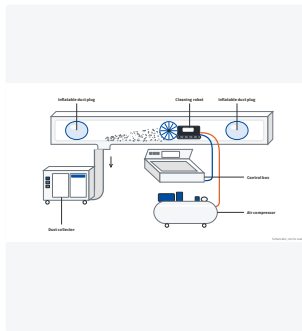
Marine water chiller is a central AC unit and main equipment of indirect AC system after several years of continuous technical improvement, carrying the technology security and innovation. Marine water chiller also known as refrigeration unit, cooling-water machine, ice water machine, in actual application,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

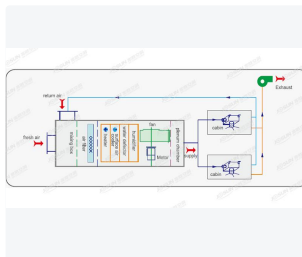
CRS marine water source heat pump hot water tank provides a superior alternative to the traditional heating method of ships, mainly providing hot water for washing and washing at 60°C for living and production. The sea water source heat pump hot water tank adopts heat pump technology, absorbs the low 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

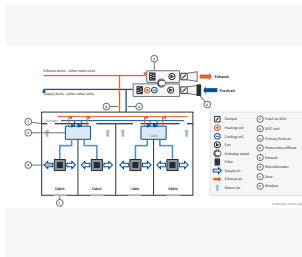
ZKZ series AHU is fresh air variable frequency plant with heat recovery wheel. AHU has the functions of heat treatment, sterilization, air purification, filtration, heat recovery and silencing. It is mainly used in large cruise ships, platforms, official ships and RoPax ships.



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 indication 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 individuation 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

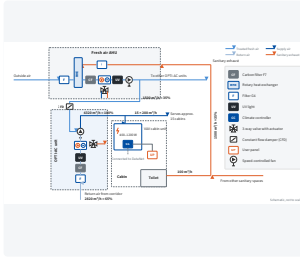
MGO cooling system is based on the principle of oil cooling system with CFC as refrigerant, preparing low temperature chilled water, and delivered to water-oil heat exchanger through circulating pump. Chilled water reduces the fuel temperature to 17°C to make its viscosity increased to more than 2CST,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

other

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.



TMU Marine Direct AHU

Air handling unit

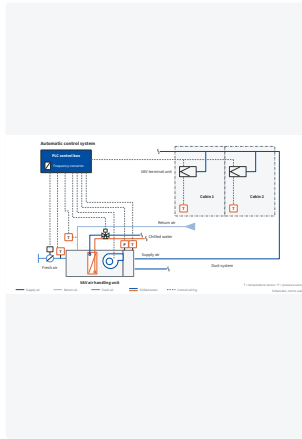
Marine direct AHU is a central AHU after several years of continuous technical improvement, carrying the technology security and innovation, the main function is to equip with marine compress-condensing unit and conduct cooling and dehumidification in summer, heating in winter and ventilation in middle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



TMU Sterillization and Silencing Frequency Conversion AC Plant

Air handling unit

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, humidity and ventilation.



Variable Air Volume (VAV) air conditioning system

Variable air volume (VAV) AC system

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.

Refrigeration

10 products



CDSD type marine low-temperature quick freezing device

Marine low-temperature quick freezing device

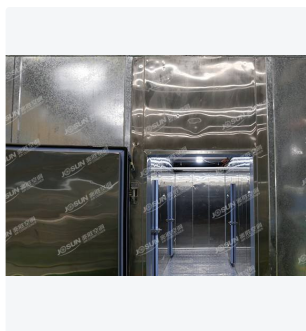
After sorting and plating the fresh fish or frozen items caught on the ship, they are placed in the terminal quick freezing device. The quick freezing device quickly freezes the fresh fish or frozen items at room temperature to the set temperature, and then transfers them to the refrigeration room for refrigeration. Control and security protection: a) The quick freezing device has an automatic control function.



Fishing vessel refrigeration system

Fishing boat refrigeration system

Based on rich experience in refrigeration unit matching, the company can provide customers with a series of services such as quick freezing machine matching, complete engineering matching, and design, manufacturing, installation, commissioning, and technical support for refrigeration unit products.



Ice-temperature fresh keeping system

Ice-temperature fresh keeping system

Ice temperature preservation is a new storage and preservation technology that overcomes the shortcomings of refrigeration above 0 °C and freezing below -18 °C, ensuring the flavor, taste, and freshness of food. Ice temperature refers to the temperature range from 0 °C to the freezing temperature of living organisms, known as the temperate zone or simply ice temperature. Different foods have different ice temperature zones.



Marine air cooler

Air cooler

Low temperature air cooler is an important component of refrigeration equipment, which relies on forced circulation of air through cooling pipes to cool the items inside the cold storage, achieving the purpose of cooling and preserving freshness. Low temperature air coolers mainly include domestic LUC, CDL series, and imported brands such as Roller and GEA.



Marine assembled cold storage

Prefabricated cold storage

Marine assembled cold storage is the main component of refrigeration and freezing systems, which uses cooling facilities to create suitable humidity and temperature, eliminate the influence of environmental temperature on food freshness, extend the storage period of various foods, and improve the quality of life of offshore workers.



Marine refrigeration unit

Assembled refrigeration unit

Marine refrigeration equipment is an important device in the refrigeration system of food cold storage on ships and oil platforms. It precisely adjusts the temperature according to the storage requirements of each food cold storage to meet the requirements of food preservation. This refrigeration device has the characteristics of novel design, intelligent control, easy operation, economic and energy-saving, reliable operation, and appropriate safety measures.



Modified Atmosphere Preservation System

Modified Atmosphere Preservation System

This type of product is suitable for both conventional storage environments and customized for special environments such as islands, reefs, and deserts. On the basis of refrigerated containers, it integrates precise temperature control, gas composition adjustment, humidification, ozone sterilization, odor removal and other functions, which has the advantages of improving the storage quality of fruits and vegetables, extending the freshness period of fruits and vegetables, and facilitating transportation and installation.



Modified-atmosphere(MA)fresh keeping system

Modified-atmosphere(MA) fresh keeping system

The precision controlled air conditioning refrigeration and preservation system utilizes precise intelligent control technology to fully leverage the advantages and avoid the disadvantages of air conditioning and low-temperature preservation technologies, forming a comprehensive preservation technology that extends the preservation period of fruits and vegetables to more than 70 days.



SDX type aluminum alloy shelf air blowing and quick freezing device

Product features: ● Customized design and production of quick freezing equipment based on the layout of the quick freezing room; ● There are oil return measures in place to ensure that the quick freezing time of the catch is always consistent; ● Adopting aluminum alloy heat exchange plates to enhance heat transfer efficiency and corrosion resistance; ● Ensure the heat transfer efficiency of the quick freezing plate through simulation design; ● The structural strength is redundant and has anti-corrosion measures. Beneficial for offshore operations.



Water cooled modular refrigeration unit

Assembled refrigeration unit

Marine assembled refrigeration unit is a refrigeration unit manufactured through decades of continuous technological improvement, carrying technological support and innovation. It is a direct refrigeration equipment using refrigerant as the refrigerant. Marine assembled refrigeration unit is an important equipment for the refrigeration system of food cold storage on ships and oil platforms.

Ventilation

36 products



CBDFH Electric driven fire damper

Fire Damper

The CDFH electric driven fire damper is designed to the structural fire protection requirements of SOLAS (1974) and its amendments. An explosion-proof version, CBDFH, is available.



CBGD(20~80) series marine ex-proof non-spark centrifugal fan

Centrifugal (ex-proof) fan

CBGD series marine ex-proof centrifugal fan (hereinafter referred to as "fan"), is a new ex-proof fan adopts explosion precaution according to regulation on the basis of CGDL fan. The motor and electric equipments adopt non-spark structure; rotating parts and static parts are matched, the gap should be selected according to rules to prevent spark. The whole unit is non-spark structure. It can be used to transport Group B T1~T4, Group C T1~T4 flammable, explosive gas in ships, vessels and platforms.



CBL-(15~58) marine ex-proof centrifugal fan

Centrifugal (ex-proof) fan

CBL series marine ex-proof centrifugal fan (hereinafter referred to as "fan"), is a new ex-proof fan adopts explosion precaution according to regulation on the basis of CLD fan. The whole unit is non-spark structure. It can be used to transport Group B T1~T4, Group C T1~T4 flammable, explosive gas in ships, vessels and platforms.



CBNF(D)-1~30 marine ex-proof electric heating fan

Heating fan

The marine ex-proof electric heating fan is an air heating equipment taking advantage of electric heating tube and air circulation. It is built to the Chinese national standards GB 3836.1-2010 (Explosive atmospheres — Part 1: General requirements for equipment) and GB 3836.2-2010 (Part 2: Equipment protection by flameproof enclosures "d").



CBQH Pneumatic fire damper

Fire Damper

Our fire damper was designed according to marine work, can block steam, smog, make sure the normal work under this condition, especially applicable to vessel, offshore platform and underground construction and other humid environment.



CBZ series marine ex-proof axial fan

Axial (ex-proof) fan

Deck type axial flow fans are mainly used for exhaust in the ship's engine room and are installed on the ship's deck.



CBZT- 30~180 marine ex-proof (non-spark) axial fan

Axial (ex-proof) fan

CBZT series marine ex-proof axial fan (hereinafter referred to as "fan"), this is a new ex-proof fan adopts explosion precaution according to regulation on the basis of CZT type. Motor and electric equipments adopt ex-proof type; rotating parts are matched with static parts, gap should be adopted according to rule to prevent generating spark. It can be used to transport Group B T1~T4, Group C T1~T4 flammable, explosive gas in ships, vessels and platforms.



CDF Marine portable electric smoke exhaust fan

Fire series

Marine electric smoke exhaust fan is used to remove dangerous gases from dangerous areas or smoke and gas in the cabin, or to reduce or prevent the spread of gases on the lower deck, when the cabin needs to be cleaned or fire extinguishing.



CGDL- 20~80 marine high efficiency low noise centrifugal fan

Centrifugal (ex-proof) fan

CGDL series marine high efficiency low noise centrifugal fan (hereinafter referred to as "fan") is a new, energy saving marine unit our company designed with Shanghai Marine Equipment Research Institute.



CK type pipe fan

Pipe fan

CK series pipe fan is a direct flow type fan. This series of fans have moisture resistance, allowing installation in wet or humid environment, can be used to transport clean gas, is strictly prohibited to transport grinding powder, soot and similar substances. CK series pipe fans are suitable for ventilation of various cabins on ships and other suitable occasions.



CLQ-15~58 Marine centrifugal fan

Centrifugal (ex-proof) fan

CLQ series marine centrifugal fan can supply air, the ocean air with salt mist and the corrosive air with little acid steam or oil mist; it is used on the boiler ventilation, also applicable to other proper occasion.



CNF(D)-1~30 marine electric heating fan

Heating fan

The marine electric heating fan is an air heating equipment taking advantage of electric heating tube and air circulation, the working principle is to continuously blow air to heat exchanger when self-contained axial fan is running, make cold air contact with high temperature winding and radiating tube, get heat, the heated air is discharged from louver, thus the fan will absorb cold air from motor end, and the heated air will exhaust from heating fan continuously, room temperature will rise constantly, and...



CNF(R)-10~35 marine hot water heating fan

Heating fan

The marine hot water heating fan is an air heating equipment taking hot water as heating medium and taking advantage of air circulation, the working principle is to continuously blow air to heat exchanger when self-contained axial fan is running, make cold air contact with high temperature winding and radiating tube, get heat, the heated air is discharged from louver, thus the fan will absorb cold air from motor end, and the heated air will exhaust from heating fan continuously, room temperature will rise...



CNF(Y)-10~40 marine hot oil heating fan

Heating fan

The marine hot oil heating fan is an air heating equipment taking hot oil as heating medium and taking advantage of air circulation, the working principle is to continuously blow air to heat exchanger when self-contained axial fan is running, make cold air contact with high temperature winding and radiating tube, get heat, the heated air is discharged from louver, thus the fan will absorb cold air from motor end, and the heated air will exhaust from heating fan continuously, room temperature will rise constantly...



CNF(Z)-15~35 marine steam heating fan

Heating fan

The marine steam heating fan is an air heating equipment taking steam as heating medium and taking advantage of air circulation, the working principle is to continuously blow air to heat exchanger when self-contained axial fan is running, make cold air contact with high temperature winding and radiating tube, get heat, the heated air is discharged from louver, thus the fan will absorb cold air from motor end, and the heated air will exhaust from heating fan continuously, room temperature will rise constantly, and...



CSFH Manual operation fire damper

Fire Damper

The CSFH manual operation fire damper is designed to the structural fire protection requirements of SOLAS (1974) and its amendments.



CSWF-20~60 portable hydraulic drive fan with smoke prevention and dust control

Fire series

Portable hydraulic drive fan with smoke prevention and dust control (hereinafter referred to as hydraulic fan) is a fan investigated and designed according to clients' requirements, it has the features of high security, convenient movement, it can be used to effectively supply air or exclude dangerous and hazardous gas.



CWL-100~200 marine small-sized centrifugal fan

Centrifugal (ex-proof) fan

CWL series marine centrifugal fan can supply air, the ocean air with salt mist and the corrosive air with little acid steam or oil mist; it is used on the washroom, kitchen, separate cabins and public area, also applicable to other proper occasion.



CZ series (ex-proof) axial flow fans

Axial (ex-proof) fan

CZ series axial flow fans can transport air, sea air containing salt mist and corrosive air containing oil mist, a small amount of acid vapor formed by natural evaporation of batteries, ventilators are suitable for ventilation of various cabins, boiler ventilation, and other appropriate occasions.



CZT-(30~180) marine low noise axial fan

Axial (ex-proof) fan

CZT series marine low noise axial fan (hereinafter referred to as "fan") is a new energy-saving, low noise marine unit our company designed with Shanghai research institute of the ship; it can be used to transport the air, the ocean air with salt mist and the corrosive air with little acid steam or oil mist. It's applicable to cabins ventilation of the vessels, boiler ventilation and some other occasions.



Centrifugal fan

Centrifugal (ex-proof) fan

CLH124 Marine centrifugal fan is mainly used in the ventilation system of large ships. It is the centrifugal fan with the largest air volume in the Marine field at present. The series fans are mainly composed of chassis, impeller, air inlet, Marine motor and other components. The impeller is made of aluminum alloy riveted with backward inclined arc blade.



DN series efficient silencer

Marine accessories

At present, ship air conditioning and ventilation systems mostly use centralized air supply all air systems to achieve cabin air environment control. There are two main sources of noise: one is the noise generated by the operation of (combination) air conditioners, ventilators, and other equipment; The second is the regenerative noise generated by the airflow in the air ducts and equipment, including the noise generated by the air ducts and air vents.



Double-wall pipe ex-proof fan

Double-wall pipe ex-proof fan

The CBL series marine explosion-proof fan is used to transport media containing flammable and explosive mixed gases or vapors, sea air containing salt mist, and air containing oil mist. The media must not contain viscous substances, and the content of dust and hard particles should not exceed $150\text{mg}/\text{m}^3$, The temperature of the conveying medium shall not exceed 80°C .



Duct system

Marine accessories

Spiral ducts are divided into three categories based on their manufacturing materials: galvanized spiral ducts, stainless steel spiral ducts, and composite spiral ducts. Among them, stainless steel air ducts have strong applicability; According to its structure, it can be divided into non insulated spiral ducts and pre insulated spiral ducts.



Fixed smoke exhaust fan

Fire series

The fixed exhaust fan acts on the power cabin ventilation system. When the power cabin is ventilated and cooled, it is used as a mechanical exhaust fan. When fire smoke control, it can be used as smoke exhaust fan, which can effectively and timely discharge a large number of high-temperature smoke generated in the power cabin to the outside of the cabin and improve the cabin environment.



Gooseneck ventilation duct

Marine accessories

The gooseneck ventilation duct is suitable for natural ventilation and mechanical ventilation fan devices on various types of ship outdoor decks for ventilation purposes.



KT-630~1800 marine adjustable axial fan

Axial (ex-proof) fan

KT series marine adjustable axial fan is a new high pressure, energy saving axial fan with many kinds of optional installation types.



Marine axial fan

Axial (ex-proof) fan

CZKT axial flow mechanism is a structure in which the motor is placed in the cylinder body, and the impeller is directly installed on the motor shaft. The cylinder can be made into integral (rear guide vane structure cylinder) or open along the axial direction according to the need, the open cylinder is to install the impeller and the motor on the open half cylinder, easy to repair or replace parts on the spot.



Mushroom air funnel

Marine accessories

Marine mushroom air funnel was broadly installed on natural ventilation and mechanical ventilation units which was on the open deck of all kinds vessel.



QMFZ series airtight airlock

Fire Damper

QMFZ pneumatic Marine airtight airlock is designed according to the requirements of Marine working environment. The product is widely used in ships, offshore platforms and other air-tight requirements of ventilation and air-conditioning duct system; When a fire occurs in an area and smoke or harmful gas is produced, the air-tight airlock is quickly closed to cut off the gas access, which can effectively prevent smoke or harmful gas from spreading along the air duct system.



SSLQ type jet air supply cooling device

Jet flow supply device

The marine jet air supply cooling device is a cooling device developed through multiple communications with design institutes, shipyards, and practical personnel, carrying technological support and innovation, under the background of difficulty in arranging air ducts in large compartments of ships, uneven air treatment, and the formation of blind spots. It is suitable for various types of ships' cabins or compartments with large spaces at sea, providing low-temperature air and power to the cabin, cooling and dehumidifying the air inside the cabin, and using the induction characteristics of the jet, inducing and stirring a large amount of surrounding air through the high-speed air mainstream sprayed by the fan, so as to generate a velocity field of air flow in the entire cabin and achieve uniform cooling.



Spiral Duct

Marine accessories

Spiral ducts are divided into three categories based on their manufacturing materials: galvanized spiral ducts, stainless steel spiral ducts, and composite spiral ducts. Among them, stainless steel air ducts have strong applicability; According to its structure, it can be divided into non insulated spiral ducts and pre insulated spiral ducts.



Steel blinds

Marine accessories

Steel louvers are mainly used for ventilation on the main ventilation openings and ventilation system inlets and outlets on the walls above the freeboard deck that require wind and rain tightness. Different materials can be used for production according to requirements.



VAV cabin unit and VAV terminal unit

Marine accessories

The VAV cabin unit consists of a distributor box, controller, actuator, electric heater, and temperature control board. The VAV terminal unit is composed of the body, air volume sensor, control (actuator), air damper, indoor temperature control panel, etc., and is used in conjunction with ceiling cabin unit, electric heating cabin unit, diffuser unit, etc.



VD series positive pressure balancing device

Marine accessories

The VD series positive pressure balancing device is mainly used in places where ship air conditioning and ventilation systems require positive and negative pressure. When the pressure difference between the pipeline and the two ends of the room is less than 50Pa, the air valve automatically opens/closes to ensure the pressure difference between the two ends.



cabin unit

Marine accessories

Our company's cabin units are divided into ceiling-mounted cabin unit, ball type cabin unit, electric heating cabin unit, etc. according to their types and functions. Users can choose according to their usage requirements, installation locations, and cabin decoration requirements.

Dehumidification

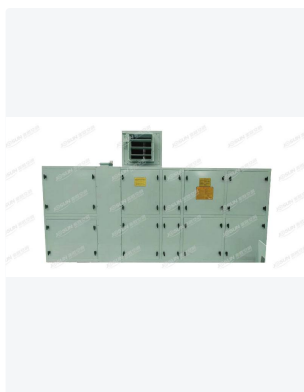
4 products



JCZK type combined dehumidifier

Combination dehumidifier

A combination dehumidifier uses refrigeration to remove moisture from the air, and can be equipped with a reheater, fan, etc. At the same time, it can use its own structural characteristics to introduce other modular devices with independent functions, which can meet the requirements of local air conditioning conditions while having dehumidification function.



LCZL Explosion proof Drive Dehumidifier

working principle: By using a dehumidifier wheel to physically absorb moisture from humid air, it is then heated by a secondary air source and transformed into high-temperature and dry air. This air is then sent into the ship's cargo hold through a processing fan to achieve the purpose of drying the cabin; And the water vapor adsorbed in the impeller, as it rotates continuously at low speeds, Arriving at the wheel regeneration area, the high-temperature air heated by the regeneration air heater is discharged to the outdoor environment to achieve the purpose of drying and dehumidifying the wheel, regenerating the wheel and facilitating the efficient reuse of the driven dehumidifier.



Mobile post air supply unit

Spot Cooler

Mobile post air cooler is a kind of air conditioner that can be cooled and dehumidified in specific places without the installation of air conditioning and ventilation system. It is designed for special needs such as temporary places and fixed air supply in small areas.



Special combination dehumidifier for painting

Adopting a combination of freezing and honeycomb wheel dehumidification method, it has independent dehumidification, cooling, heating, and ventilation functions, as well as compact and sturdy, easy to connect, high air volume, and all-weather use.

Marine Special Systems

9 products



10kW liquid cooling unit

Marine Electric Power Liquid Cooling System

Compared with traditional diesel engine ships, ships using comprehensive electric propulsion have advantages such as energy conservation and emission reduction, noise reduction and vibration reduction, large effective cabin space, and strong dynamic response capability. The comprehensive electric propulsion system mainly consists of diesel generator sets, transformers, propulsion motors, energy storage systems and other equipment.



25kW liquid cooling unit

Marine Electric Power Liquid Cooling System

Compared with traditional diesel engine ships, ships using comprehensive electric propulsion have advantages such as energy conservation and emission reduction, noise reduction and vibration reduction, large effective cabin space, and strong dynamic response capability. The comprehensive electric propulsion system mainly consists of diesel generator sets, transformers, propulsion motors, energy storage systems and other equipment.



30kW liquid cooling unit

Marine Electric Power Liquid Cooling System

Compared with traditional diesel engine ships, ships using comprehensive electric propulsion have advantages such as energy conservation and emission reduction, noise reduction and vibration reduction, large effective cabin space, and strong dynamic response capability. The comprehensive electric propulsion system mainly consists of diesel generator sets, transformers, propulsion motors, energy storage systems and other equipment.



3kW liquid cooling unit

Marine Electric Power Liquid Cooling System

Compared with traditional diesel engine ships, ships using comprehensive electric propulsion have advantages such as energy conservation and emission reduction, noise reduction and vibration reduction, large effective cabin space, and strong dynamic response capability. The comprehensive electric propulsion system mainly consists of diesel generator sets, transformers, propulsion motors, energy storage systems and other equipment.



Cold source for dual fuel liquefaction equipment on ships

Cold source for dual fuel liquefaction equipment on ships

Application scenario: Provide cold source for dual fuel ship liquefaction equipment/
Stirling module StrLNG UNIT



Cooling scheme for ship fuel supply system

Cooling scheme for ship fuel supply system

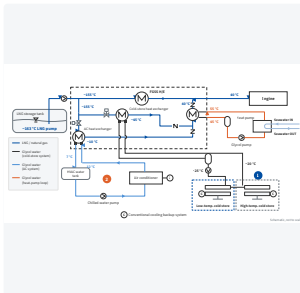
The marine ethylene glycol heating system mainly consists of centrifugal pumps, heat exchangers, pipeline valves, and monitoring instruments. The heat exchange medium uses a mixture of ethylene glycol and water. The heat exchanger uses the ship's engine coolant (main cylinder liner water) to heat the ethylene glycol mixture to the required temperature, and then transports it to the backend equipment. At the same time, the centrifugal pump is used to achieve system circulation.



Inert Gas System Cooling Plan

Inert Gas System Cooling Plan

Purpose: Used for refrigeration of ship inert gas systems



Ship LNG Cold Energy Utilization - Cold Cold Cycle System

Ship Energy Conservation and Emission Reduction Plan (Cold E

With the strengthening of regulations on SOx and carbon dioxide emissions, the demand for LNG propelled ships (DFDE, X-DF, ME-GI, etc.) continues to increase; Replacing existing boilers with heat pump systems in LNG fuel gas supply systems (FGSS) and utilizing LNG cooling energy in air conditioning and refrigeration systems can save costs.



Ship inert gas system cooling system

Cooling scheme for ship inert gas system

Purpose: Used for refrigeration of ship inert gas systems

Get in touch

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Global service network

Contact us for the service partner nearest to your vessel.

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