

Ventilation

Marine HVAC&R range guide · 36 products · josungroup.com

Ventilation 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.



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

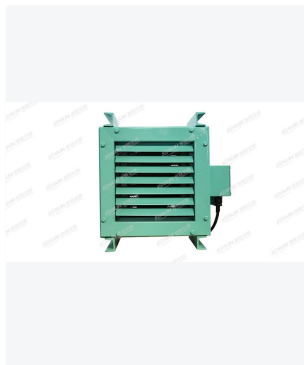
CK series pipe fan is a direct flow type fan. This series of fans have moisture resistance, allowing installation in wet or humid environment, can be used to transport clean gas, is strictly prohibited to transport grinding powder, soot and similar substances. CK series pipe fans are suitable for ventilation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

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