

Marine Special Systems

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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

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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

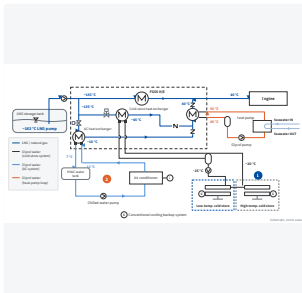
The marine ethylene glycol heating system mainly consists of centrifugal pumps, heat exchangers, pipeline valves, and monitoring instruments. The heat exchange medium uses a mixture of ethylene glycol and water. The heat exchanger uses the ship's engine coolant (main cylinder liner water) to heat the 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

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