

Hi-SURP

NINGBO HICON INDUSTRY CO.,LTD



HARK EQUIPMENT & ENGINEERING CO., Ltd



Hi-SURP



Marine & Offshore

Air Conditioner

HVAC Solution

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A BOUT US



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Company Introduction

NINGBO HICON INDUSTRY CO.,LTD—the expert of special air conditioner production, and the professional manufacturer of commercial, Industrial and marine HVAC. HICON is a professional enterprise of designing, developing and manufacturing special air conditioner products, HICON has complete air conditioner products manufacturing equipments line, including air-finned coil equipments, CNC machine tooling equipment for mental casing, automatic painting lines, and national-class enthalpy difference laboratories and noise testing room. HICON owns very wide products line such as air-air unitary air conditioner series, air/water to water chiller series, heat pump series, terminal units series, and special application air conditioner series. HICON occupies about 120,000 m2, and owns asset about RMB280.0millions and about 650 staff.

HARK—the professional engineering company focused on Marine & Offshore HVAC&R solutions. With strong technical background and experience in the Marine industry markets, HARK are also committed to provide reliable parts and world-class service.

HICON/HARK owns strong capabilities to provide satisfied air conditioner products for customer's application of marine & offshore HVAC.

HICON/HARK 为您联手打造专业、优质的船用 HVAC 产品及解决方案。



Factory
Office Building
工厂和办公室

Basic Information

NO.1 and NO.2 workshop
NO.3, NO.4 and NO.5 workshop
Meeting Room
Office



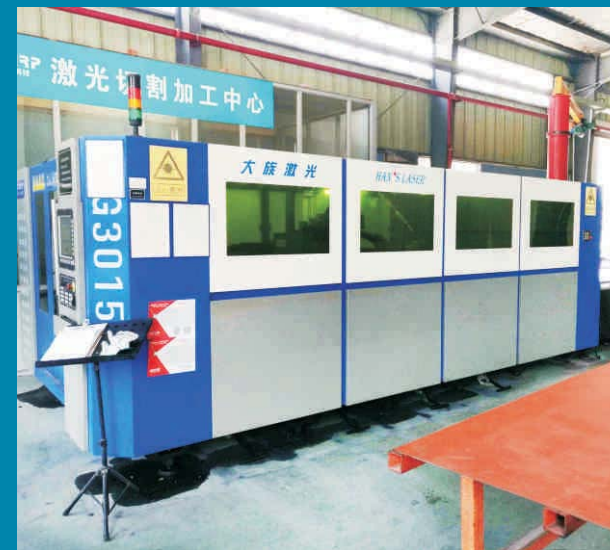
■ Technology And Design Capacity >>> 技术和设计能力



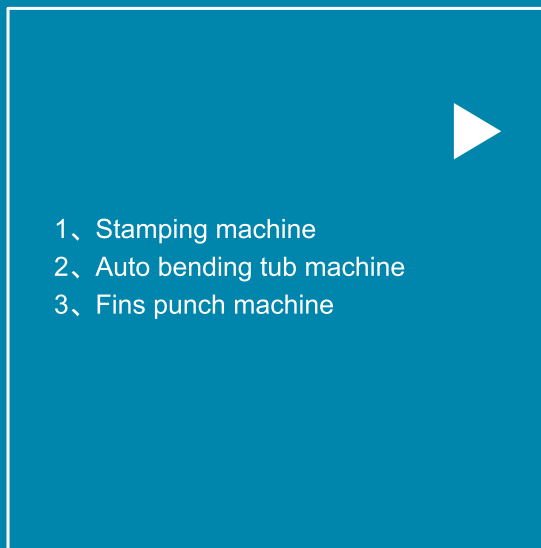
45 ENGINEER STAFF
COMPUTERIZED CAD & 3-D DESIGN TOOL
OVERSEA D&R CENTER (JAPAN)
NATIONAL CLASS PERFORMANCE TESTING ROOM



■ Advanced Manufacturing Capacity >>>
先进制造能力



- 1、AMADA beading machine
2、AMADA CNC machine
3、Laser cutting machine



- 1、Stamping machine
2、Auto bending tub machine
3、Fins punch machine



■ Advanced Manufacturing Capacity >>>
先进制造能力



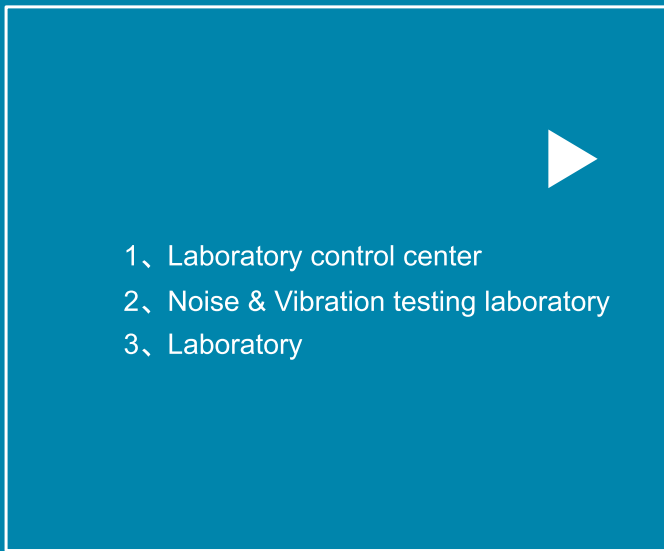
- 1、Full-Automatic horizontal type tube expander
- 2、Full-automatic vertical type tube expander



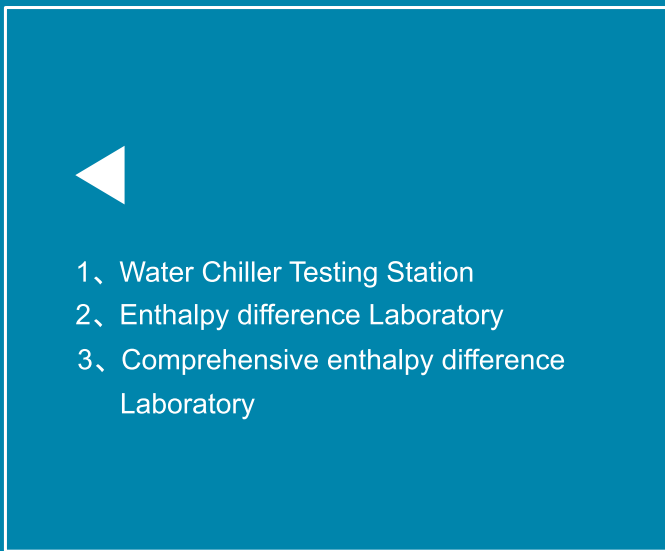
- 1、Full-automatic welding machine
- 2、Full-automatic spraying line



■ Laboratory >>>
实验室



- 1、Laboratory control center
- 2、Noise & Vibration testing laboratory
- 3、Laboratory



- 1、Water Chiller Testing Station
- 2、Enthalpy difference Laboratory
- 3、Comprehensive enthalpy difference Laboratory



Marine Direct Air Handling Unit

船用直膨空调箱

Cooling Capacity: 25kW~405kW

Heater: Hot Water,Steam,electric or thermal oil

Humidify: manual,Auto,hot water,fresh water or steam

Casing: double skin with 50mm insulation



Marine Air Handling Unit

船用表冷空调箱

Cooling Capacity: 25kW~1600kW

Cooling Medium: Fresh water

Heater: Hot Water,Steam,electric or thermal oil

Humidify: manual,Auto,hot water,fresh water or steam

Casing: double skins with 50mm insulation



Marine Water Cooled Condenser unit

船用水冷压缩冷凝机组

Cooling Medium: 25kW~405kW

Cooling Medium: Fresh water or Sea water

Compressor: Semi hermetic compressor,Open type piston compressor or Screw compressor

Refrigerant: R404a,R407c,R134a

Operating Voltage: 230/380/440/690V,1/3ph,50/60Hz



Marine Water Cooled Deck unit

船用水冷一体式空调机组

Cooling Capacity: 25kW~500kW

Heater: Hot Water,Steam,electric or thermal oil

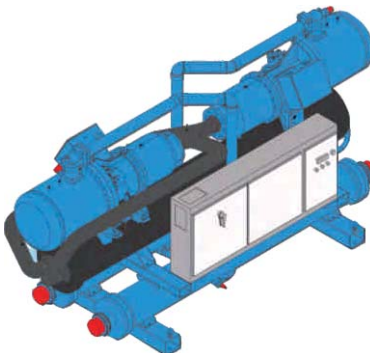
Humidify: manual,Auto,hot water,fresh water or steam

Cooling Medium: Fresh water or Sea water

Compressor: Semi hermetic compressor,Open type piston compressor or Screw compressor

Refrigerant: R404a,R407c,R134a

Operating Voltage: 380/440/690V, 3ph,50/60Hz



Marine Water Cooled Water Chiller

船用水冷冷水机

Cooling Medium: 105kW~3500kW

Water Supply: Fresh water or Sea water

Compressor: Screw compressor

Refrigerant: R404a,R407c,R134a

Operating Voltage: 380/440/690V, 3ph,50/60Hz



Air Cooled Provision Refrigerant Plants

船用风冷冷藏机组

Cooling Capacity: 1.5kW~35kW

Cooling Medium: Water Cooled or Air Cooled

Refrigerant: R404a,R407c,R134a

Compressor: Semi hermetic compressor,Open type piston compressor or Screw compressor

Operating Voltage: 230/380/440/690V,1/3ph,50/60Hz



Water Cooled Provision Refrigerant Plants

船用水冷冷藏机组

Cooling Capacity: 1.5kW~35kW
 Cooling Medium: Water Cooled or Air Cooled
 Refrigerant: R404a,R407c,R134a
 Controller Type: classic or PLC
 Compressor: Semi hermetic compressor,Open type piston compressor
 or Screw compressor
 Operating Voltage: 230/380/440/690V,1/3ph,50/60Hz



Marine Water Cooled Packaged Air Conditioner

船用水冷柜式空调

Cooling Capacity: 3kW~180kW
 Cooling Medium: Fresh water or Sea water
 Heater: Hot Water,Steam,electric or thermal oil
 Humidify: manual,Auto,hot water,fresh water or steam
 Compressor: Scroll,Semi hermetic compressor or Open type piston compressor
 Refrigerant: R404a,R407c,R134a
 Operating Voltage: 230/380/440/690V,1/3ph,50/60Hz
 Casing: galvanized sheet with painted or Stainless steel
 Evaporator: Copper tub with Aluminum fins or Copper Tub with copper fins
 Controller: mechanical control or Microprocessor Control



Marine Air Cooled Packaged Air Conditioner (Split floor Standing series)

船用风冷分体式空调（立式内机）

Cooling Capacity : 3kW~180kW
 Heater: Hot Water,Steam,electric or thermal oil
 Humidify: manual,Auto,hot water,fresh water or steam
 Compressor: Scroll,Semi hermetic compressor or Open type piston compressor
 Refrigerant: R404a,R407c,R134a
 Operating Voltage:230/380/440/690V,1/3ph,50/60Hz
 Evaporator: Copper tub with Aluminum fins or Copper Tub with copper fins
 Indoor Unit casing: galvanized sheet with painted or Stainless steel
 Condenser: Copper Tub with Copper Fins
 Condenser casing: Stainless Steel
 Controller: mechanical control or Microprocessor Control
 ATEX certificated Outdoor Unit is available





Marine Air Cooled Packaged Air Conditioner (Split Wall mounted series)

船用风冷分体式空调（壁挂式内机）

Cooling Capacity : 3kW~ 7kW
 Heater : Electric coil
 Compressor: Scroll,Semi hermetic compressor or Open type piston compressor
 Refrigerant: R404a,R407c,R134a
 Operating Voltage:230/380/440/690V,1/3ph,50/60Hz
 Casing: galvanized sheet with painted or Stainless steel
 Evaporator: Copper tub with Aluminum fins or Copper Tub with copper fins
 Indoor unit Casing: galvanized sheet with painted or Stainless steel
 Condenser : Copper Tub with Copper Fins
 Condenser casing: Stainless Steel
 Controller : mechanical control or Microprocessor Control
 ATEX certificated Indoor is optional



Marine Air Cooled Packaged Air Conditioner (Split cassette type series)

船用风冷分体式空调（卡式内机）

Cooling Capacity: 3kW~15kW
 Heater: Electric coil
 Compressor: Scroll,Semi hermetic compressor or Open type piston com-pressor
 Refrigerant: R404a,R407c,R134a
 Operating Voltage:230/380/440/690V,1/3ph,50/60Hz
 Evaporator: Copper tub with Aluminum fins or Copper Tub with copper fins
 Condenser: Copper Tub with Copper Fins
 Condenser casing: Stainless Steel
 Water pan: Stainless Steel
 Controller: mechanical control or Microprocessor Control
 Double water pump



Marine Air Cooled Packaged Air Conditioner (Split duct type series)

船用风冷分体式空调（管道式内机）

Cooling Capacity: 3kW~15kW
 Heater: Electric coil
 Compressor: Scroll,Semi hermetic compressor or Open type piston compressor
 Refrigerant: R404a,R407c,R134a
 Operating Voltage: 230/380/440/690V,1/3ph,50/60Hz
 Evaporator: Copper tub with Aluminum fins or Copper Tub with copper fins
 Indoor Unit casing; galvanized sheet with painted or Stainless steel
 Condenser: Copper Tub with Copper Fins
 Condenser casing: Stainless Steel
 Controller: mechanical control or Microprocessor Control





Marine Air Cooled Packaged Air Con-ditioner (Split vertical type series)

船用风冷分体式空调（垂直明装内机）

Cooling Capcity : 3kW~15kW
Heater : Electric coil
Compressor: Scroll,Semi hermetic compressor or Open type piston compressor
Refrigerant: R404a,R407c,R134a
Operating Voltage: 230/380/440/690V,1/3ph,50/60Hz
Evaporator: Copper tub with Aluminum fins or Copper Tub with copper fins
Indoor Unit casing: galvanized sheet with painted or Stainless steel
Condenser : Copper Tub with Copper Fins
Condenser casing: Stainless Steel
Controller : mechanical control or Microprocessor Control



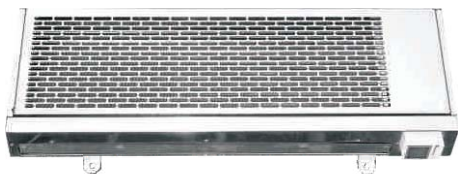
Marine Floor Standing Fan Coil Unit 船用立式风机盘管

Cooling Capcity : 5kW~100kW
Heater : Hot Water,Steam,electric or thermal oil
Humidifiy : manual,Auto,hot water,fresh water or steam
Operating Voltage: 230/380/440/690V,1/3ph,50/60Hz
Casing: galvanized sheet with painted or Stainless steel
Water Coil :Copper Tub with copper fins or Copper Tub with Aluminum fins
Controller : mechanical control or Microprocessor Control



Marine Air Cooled Packaged Air Conditioner 船用风冷一体式空调机组

Cooling Capcity : 7kW~420kW
Heater : Hot Water,Steam,electric or thermal oil
Humidifiy : manual,Auto,hot water,fresh water or steam
Compressor: Scroll,Semi hermetic compressor , Open type piston compressor or screw compressor
Refrigerant: R404a,R407c,R134a
Operating Voltage: 230/380/440/690V,1/3ph,50/60Hz
Casing: Stainless steel
Evaporator/Condenser:Copper Tub with copper fins
Controller : mechanical control or Microprocessor Control



Marine Wall mounted Fan Coil Unit 船用壁挂式风机盘管

Cooling Capcity : 1kW~10kW
Heater : electric coil
Operating Voltage: 230V,1ph,50/60Hz
Casing: galvanized sheet with painted or Stainless steel
Water Coil :Copper Tub with copper fins or Copper Tub with Aluminum fins
Controller : mechanical control or Microprocessor Control



Marine Cassette Fan Coil Unit 船用卡式风机盘管

Cooling Capcity : 1kW~15kW
Heater: electric coil
Operating Voltage: 230V,1ph,50/60Hz
Water Coil: Copper Tub with copper fins or Copper Tub with Aluminum fins
Controller: mechanical control or Microprocessor Control
Stainless Steel water pan
Double water pump



Marine Vertical Fan Coil Unit

船用垂直明装风机盘管

Cooling Capacity: 1kW~15kW
Heater: electric coil
Operating Voltage: 230V, 1ph, 50/60Hz
Casing: galvanized sheet with painted or Stainless steel
Water Coil: Copper Tub with copper fins or Copper Tub with Aluminum fins
Controller: mechanical control or Microprocessor Control



Marine HK Fan Coil Unit

船用机械处所风机盘管

Cooling Capacity: 3kW~100kW
Heater: electric coil
Operating Voltage: 230/380/440/690V, 1/3ph, 50/60Hz
Casing: galvanized sheet, galvanized sheet painted or Stainless steel
Water Coil: Copper Tub with copper fins or Copper Tub with Aluminum fins
Controller: mechanical control or Microprocessor Control



Marine Horizontal Concealed Fan Coil Unit

船用水平暗装风机盘管

Cooling Capacity: 1kW~15kW
Heater : electric coil
Operating Voltage: 230V, 1ph, 50/60Hz
Casing: galvanized sheet, galvanized sheet painted or Stainless steel
Water Coil: Copper Tub with copper fins or Copper Tub with Aluminum fins
Controller: mechanical control or Microprocessor Control



Marine EX electric Fan Heater

船用防爆电暖风机

Heating Capacity: 8kW, 10kW, 15kW, 20kW, 25kW
Heating medium: steam, hot water or thermal oil
Operating Voltage: 230/380/440/690V, 1/3ph, 50/60Hz
Casing: Stainless steel
Controller : mechanical control or Microprocessor Control



Marine Ceiling Concealed Fan Coil Unit

船用天花暗装风机盘管

Cooling Capacity: 1kW~15kW
Heater: electric coil
Operating Voltage: 230V, 1ph, 50/60Hz
Casing: galvanized sheet, galvanized sheet painted or Stainless steel
Water Coil: Copper Tub with copper fins or Copper Tub with Aluminum fins
Controller: mechanical control or Microprocessor Control
No-Spark fan is optional



Marine EX hot water/Steam Fan Heater

船用防爆热水/蒸汽暖风机

Heating Capacity: 8kW, 10kW, 15kW, 20kW, 25kW
Heating medium: steam, hot water or thermal oil
Operating Voltage: 230/380/440/690V, 1/3ph, 50/60Hz
Casing: Stainless steel
Controller : mechanical control or Microprocessor Control



Marine Electric Fan Heater

船用电暖风机

Heating Capacity: 3kW~100kW
 Heating medium: Electric coil steam, hot water or thermal oil
 Operating Voltage: 230/380/440/690V, 1/3ph, 50/60Hz
 Casing: galvanized sheet with painted or Stainless steel
 Controller : mechanical control or Microprocessor Control



Marine Circular Duct Heater

船用圆形管道加热器

Cooling Capacity : 0.5kW~30kW
 Heating medium: steam, electric coil or thermal oil
 Operating Voltage: 230/380/440/690V, 1/3ph, 50/60Hz
 Casing: Stainless steel
 Water Coil: Copper Tub with copper fins
 Controller: mechanical control or Microprocessor Control



Marine Square Duct Heater

船用方形管道加热器

Cooling Capacity : 1kW~100kW
 Heating medium: steam, electric coil or thermal oil
 Operating Voltage: 230/380/440/690V, 1/3ph, 50/60Hz
 Casing: Stainless steel
 Water Coil :Copper Tub with copper fins
 Controller: mechanical control or Microprocessor Control

HICON >>>
 Science And Technology Pilot



Convactor Heater

船用暖气片

Capacity: 0.5kW, 1kW, 1.5kW, 2kW
 Operating Voltage: 230V, 1ph, 50/60Hz
 Controller: mechanical control or microprocessor control

■ Air Terminal Devices >>>

空气末端



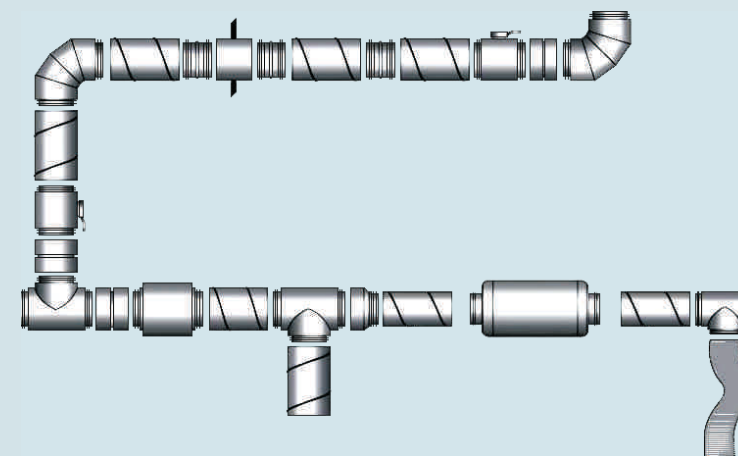
■ Fire Damper >>>

防火风闸



■ Round/Rectangular duct noise muffler silencer

圆形/方形消音器



■ Accessory of spiral ducts

螺旋风管附件