MARINE AIR CONDITIONER

# CHLS Marine Water Chilling Unit

Description: CHLS marine water chilling unit mainly consists of refrigeration compressor, marine high-efficient condenser, liquid supply solenoid valve, thermostatic expansion valve, dry-type evaporator, ...

ISO9001 Supplier

Class Certificate

Export Supply




## Key Highlights

| | |
|---|---|
| **Category** | Marine Air Conditioner |
| **Standard** | EN |
| **Weight / Size** | Item CHLS-12 CHLS-23 CHLS-35 CHLS-46 CHLS-58 CHLS-70 CHLS-82 Cooling cap... |
| **Certificate** | CCS, BV, ABS, GL，LR, NK |

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.

## Technical Specifications

| | | | |
|---|---|---|---|
| **Category** | Marine Air Conditioner | **Model / SKU** | CHLS-Marine-Water-Chilling-Unit |

| | |
|---|---|
| **Standard** | EN |
| **Weight / Size** | Item CHLS-12 CHLS-23 CHLS-35 CHLS-46 CHLS-58 CHLS-70 CHLS-82 Cooling capacity KW 11.6 23 35 46 58 70 82 Cooling medium R22(R134a, R404A, R407C) Power supply main circuit AC380V 3P 50HZ/AC 440V 3P 60HZ control circuit AC220V 1P 50HZ/AC 220V 1P 61HZ Protection device High pressure, low pressure,oil pressure, water stop, lack phase, overload and safety valve Copressor Type Hermetic or semi-hermetic compressor Energy regulation % / 0,50,100 or(0,66,100) motor power KW 42 66 90 15 19 22 24 Condensor type Horizontal sheel&tube water inlet temp ℃ ≦36 water flow m3/h 3 7 10 13.5 17 20 23 water pressure loss kPa ≦50 ≦70 Drier evaporator type Horizontal sheel&tube water inlet temp ℃ 12/7 water flow m3/h 3 7 6 8 10 12 14 water pressure loss kPa ≦60 weight kg 650 850 900 1100 1300 1450 1650 Item CHLS-93 CHLS-105 CHLS-116 CHLS-140 CHLS-151 CHLS-175 CHLS-210 Cooling capacity KW 93 105 116 140 151 175 210 Cooling medium R22(R134a, R404A, R407C) Power supply main circuit AC380V 3P 50HZ/AC 440V 3P 60HZ control circuit AC220V 1P 50HZ/AC 220V 1P 61HZ Protection device High pressure, low pressure,oil pressure, water stop, lack phase, overload and safety valve Copressor Type semi-hermetic compressor Energy regulation % 0,50,100 or(0,66,100) 0,50,100 or(0,66,100) motor power KW 26 30 37 2x22 2x24 2x26 2x30 Condensor type Horizontal sheel&tube water inlet temp ℃ ≦36 water flow m3/h 26 30 35 40 42 50 60 water pressure loss kPa ≦50 ≦70 Drier evaporator type Horizontal sheel&tube water inlet temp ℃ 12/7 water flow m3/h 16 18 20 24 26 30 36 water pressure |

| | | | |
|---|---|---|---|
| | | | loss kPa ≦60 weight kg 1850 2000 2250 2450 2600 3100 3300 Dimension: |
| **Certificate** | CCS, BV, ABS, GL，LR, NK | **Warranty** | 12 Months unless specified otherwise |
| **Origin** | China | | |

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- Dimension:
- Technical Data:


## Description:

CHLS marine water chilling unit mainly consists of refrigeration compressor, marine high-efficient condenser, liquid supply solenoid valve, thermostatic expansion valve, dry-type evaporator, electrical control cabinet, instrument and valves, etc.

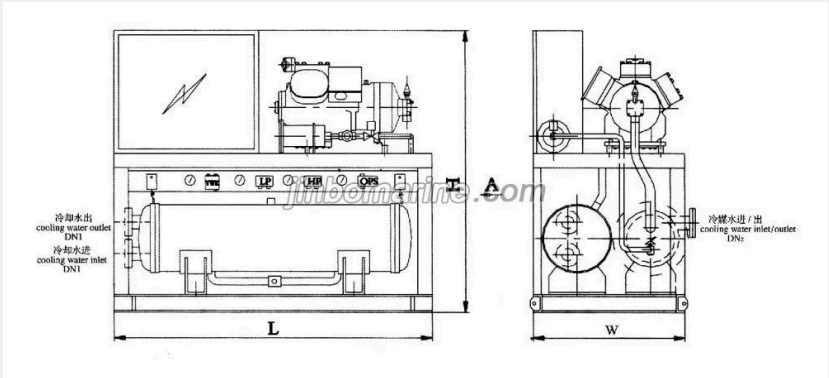
All components of this unit are already assembled by the manufacturer, also pressure test and vacuum test for cooling system are already done, sufficient amount of R404A gas is filled in.

## Technical Data:

| Item | | | CHLS-12 | CHLS-23 | CHLS-35 | CHLS-46 | CHLS-58 | CHLS-70 | CHLS-82 |
|---|---|---|---|---|---|---|---|---|---|
| Cooling capacity | | KW | 11.6 | 23 | 35 | 46 | 58 | 70 | 82 |
| Cooling medium | | | R22(R134a, R404A, R407C) | | | | | | |
| Power supply | main circuit | | AC380V 3P 50HZ/AC 440V 3P 60HZ | | | | | | |
| | control circuit | | AC220V 1P 50HZ/AC 220V 1P 61HZ | | | | | | |
| Protection device | High pressure, low pressure,oil pressure, water stop, lack phase, overload and safety valve | | | | | | | | |
| Copressor | Type | Hermetic or semi-hermetic compressor | | | | | | | |
| | Energy regulation | % | / | | | 0,50,100 or(0,66,100) | | | |
| | motor power | KW | 42 | 66 | 90 | 15 | 19 | 22 | 24 |
| Condensor | type | Horizontal sheel&tube | | | | | | | |
| | water inlet temp | ℃ | ≦36 | | | | | | |
| | water flow | m3/h | 3 | 7 | 10 | 13.5 | 17 | 20 | 23 |
| | water pressure loss | kPa | ≦50 | | | ≦70 | | | |
| Drier evaporator | type | Horizontal sheel&tube | | | | | | | |
| water inlet temp | ℃ | 12/7 | | | | | | | |
| water flow | m3/h | 3 | 7 | 6 | 8 | 10 | 12 | 14 | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| water pressure loss | kPa | ≦60 | | | | | | | |
| weight | | kg | 650 | 850 | 900 | 1100 | 1300 | 1450 | 1650 |
| Item | | | CHLS-93 | CHLS-105 | CHLS-116 | CHLS-140 | CHLS-151 | CHLS-175 | CHLS-210 |
| Cooling capacity | | KW | 93 | 105 | 116 | 140 | 151 | 175 | 210 |
| Cooling medium | | | R22(R134a, R404A, R407C) | | | | | | |
| Power supply | main circuit | | AC380V 3P 50HZ/AC 440V 3P 60HZ | | | | | | |
| | control circuit | | AC220V 1P 50HZ/AC 220V 1P 61HZ | | | | | | |
| Protection device | High pressure, low pressure,oil pressure, water stop, lack phase, overload and safety valve | | | | | | | | |
| Copressor | Type | semi-hermetic compressor | | | | | | | |
| | Energy regulation | % | 0,50,100 or(0,66,100) | | | 0,50,100 or(0,66,100) | | | |
| | motor power | KW | 26 | 30 | 37 | 2x22 | 2x24 | 2x26 | 2x30 |
| Condensor | type | Horizontal sheel&tube | | | | | | | |
| | water inlet temp | ℃ | ≦36 | | | | | | |
| | water flow | m3/h | 26 | 30 | 35 | 40 | 42 | 50 | 60 |
| | water pressure loss | kPa | ≦50 | | | ≦70 | | | |
| Drier evaporator | type | Horizontal sheel&tube | | | | | | | |
| water inlet temp | ℃ | 12/7 | | | | | | | |
| water flow | m3/h | 16 | 18 | 20 | 24 | 26 | 30 | 36 | |
| water pressure loss | kPa | ≦60 | | | | | | | |
| weight | | kg | 1850 | 2000 | 2250 | 2450 | 2600 | 3100 | 3300 |

## Dimension:




| Model | CHLS-12 | CHLS-23 | CHLS-35 | CHLS-46 | CHLS-58 | CHLS-70 | CHLS-82 |
|---|---|---|---|---|---|---|---|

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| L | 1250 | 1450 | 1420 | 1680 | 1850 | 1800 | 1850 |
| W | 550 | 600 | 680 | 850 | 880 | 950 | 950 |
| H | 1200 | 1200 | 1480 | 1500 | 1500 | 1520 | 1620 |
| DN1 | DN25 | DN32 | DN40 | DN40 | DN50 | DN65 | DN65 |
| DN2 | DN25 | DN32 | DN40 | DN40 | DN50 | DN65 | DN65 |
| Model | CHLS-93 | CHLS-105 | CHLS-116 | CHLS-140 | CHLS-151 | CHLS-175 | CHLS-210 |
| L | 2000 | 2050 | 2100 | 2100 | 2600 | 2650 | 2850 |
| W | 1150 | 1150 | 1180 | 1100 | 1450 | 1450 | 1450 |
| H | 1600 | 1620 | 1620 | 1750 | 1800 | 1850 | 1850 |
| DN1 | DN65 | DN65 | DN65 | 2-DN50 | 2-DN65 | 2-DN65 | 2-DN65 |
| DN2 | DN80 | DN80 | DN80 | DN80 | DN80 | DN100 | DN100 |