



# Chiller Expert



# WATER CHILLER APPLICATION FIELDS

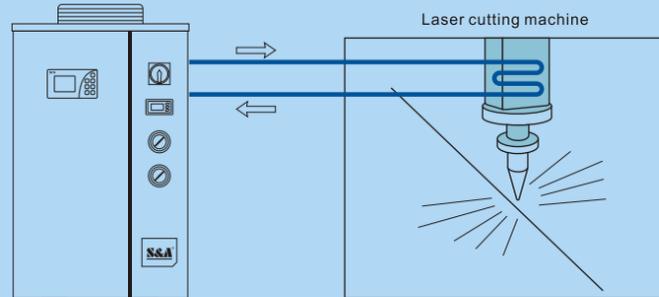
Our product are mainly applied in professional field such as high-power industrial laser machinery, water-cooled high speed main spindle, precision optics mechanism, laboratory apparatus, etc.

## Laser processing equipment

1. Laser engraving and cutting machine
2. Laser welding machine
3. Laser marking machine



Application Example



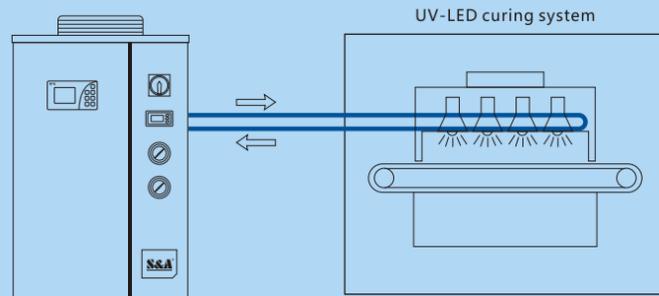
Through controlling the temperature of the laser device, prevent the laser cavity from thermal deforming and keep stable output power and light beam quality to improve the working life and cutting accuracy.

## UV equipment

1. UV flat-bed printing machine
2. UV screen printing machine
3. UV-LED curing system



Application Example



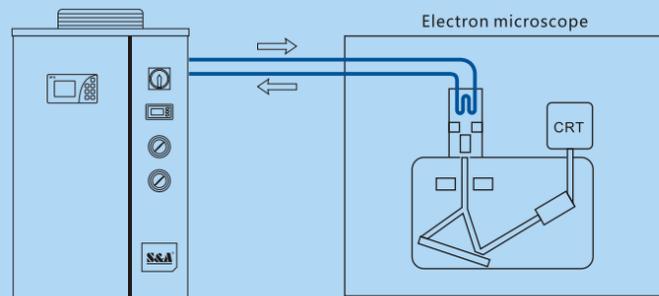
Through controlling the UV-LED lamp, keep the light stability and durability of the UV illuminant.

## Analytic instrument

1. Electron microscope
2. Spectrometer
3. Life science apparatus



Application Example



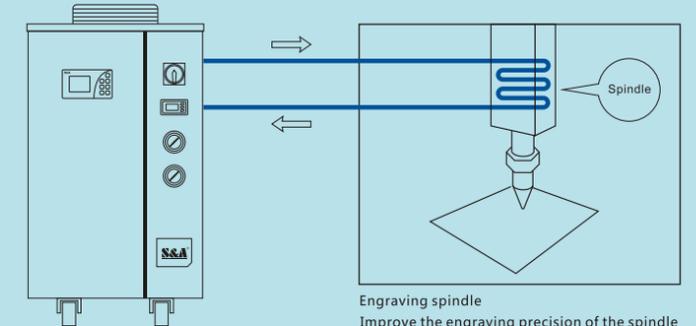
Through keeping the electron microscope in low temperature to extend its using life and improve the measuring stability.

## CNC Machinery

1. Engraving spindle
2. Electric resistance welding machine
3. Argon-arc welding machine



Application Example



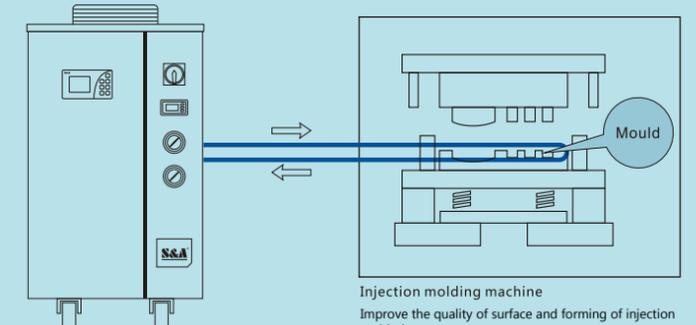
Engraving spindle  
Improve the engraving precision of the spindle

## Thermal forming equipment

1. Plastic-molding machine
2. Squeeze-molding machine
3. Injection molding machine, etc.



Application Example



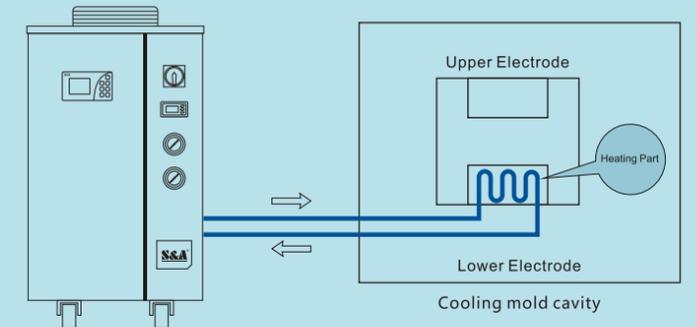
Injection molding machine  
Improve the quality of surface and forming of injection molded parts.

## Semi-conductor

1. Marking machine
2. Welding machine
3. PCB circuit board



Application Example



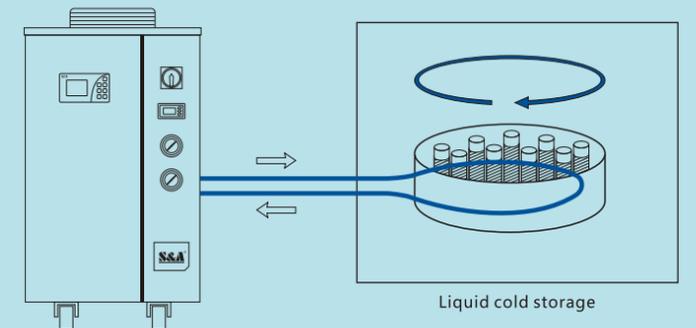
Cooling mold cavity

## Medical equipment

1. X-ray apparatus
2. Liquid cold storage equipment
3. IPL beauty machine



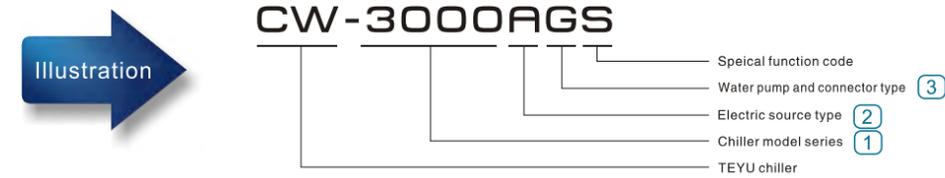
Application Example



Liquid cold storage

# MODEL NAMING RULES

Thermolysis type chiller naming rules:



1 Thermolysis type chiller model series:

→ 3000

2 Electric source type:

| CODE | A                 | D                 |
|------|-------------------|-------------------|
| 1P   | 220V<br>50Hz/60Hz | 110V<br>50Hz/60Hz |

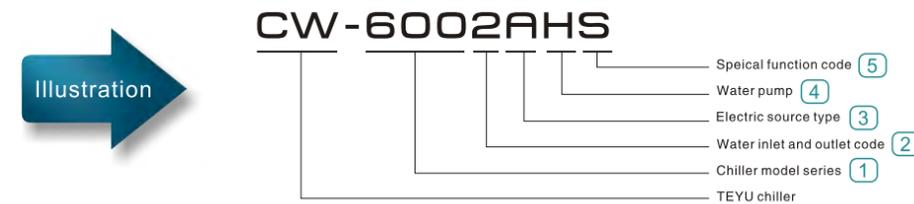
3 Water pump and connector types:

| CODE           | G               | K                | F                |
|----------------|-----------------|------------------|------------------|
| water pump     | 30W DC pump     | diaphragm pump   | 30W DC pump      |
| connector type | pgoda connector | speedy connector | speedy connector |

Example: CW-3000AG

(This model is CW-3000 series thermolysis type chiller, which applies 1 phase 220V voltage, 50Hz/60Hz frequency, 30W DC pump and pgoda connectors for water inlet and outlet.)

Refrigeration type chiller naming rules



1 Refrigeration type chiller model series:

5000 5200 5300  
6000 6100 6200 6300  
7500 7800 7900

2 Water inlet and outlet codes:

| CODE | Water inlet and outlet quantity |
|------|---------------------------------|
| 0    | 1 outlet and 1 inlet            |
| 2    | 2 outlets and 2 inlets          |
| 3    | 3 outlets and 3 inlets          |

3 Electric source types:

| CODE | A            | B            | T                 | C            | D            | U                 | G            | H            | E            | F            | V                     |
|------|--------------|--------------|-------------------|--------------|--------------|-------------------|--------------|--------------|--------------|--------------|-----------------------|
| 1P   | 220V<br>50Hz | 220V<br>60Hz | 220V<br>50Hz/60Hz | 110V<br>50Hz | 110V<br>60Hz | 110V<br>50Hz/60Hz |              |              |              |              | Other electric source |
| 3P   |              |              |                   |              |              |                   | 220V<br>50Hz | 220V<br>60Hz | 380V<br>50Hz | 380V<br>60Hz |                       |

4 Water pump types:

| CODE       | G           | H           | I            | K              | N                                      | T            |
|------------|-------------|-------------|--------------|----------------|--|--------------|
| water pump | 30W DC pump | 50W DC pump | 100W DC pump | diaphragm pump | SS centrifugal pump of multistage type | Special pump |

5 Special codes:

| S                 | H                                    |
|-------------------|--------------------------------------|
| Nonstandard model | Standard model with heating function |

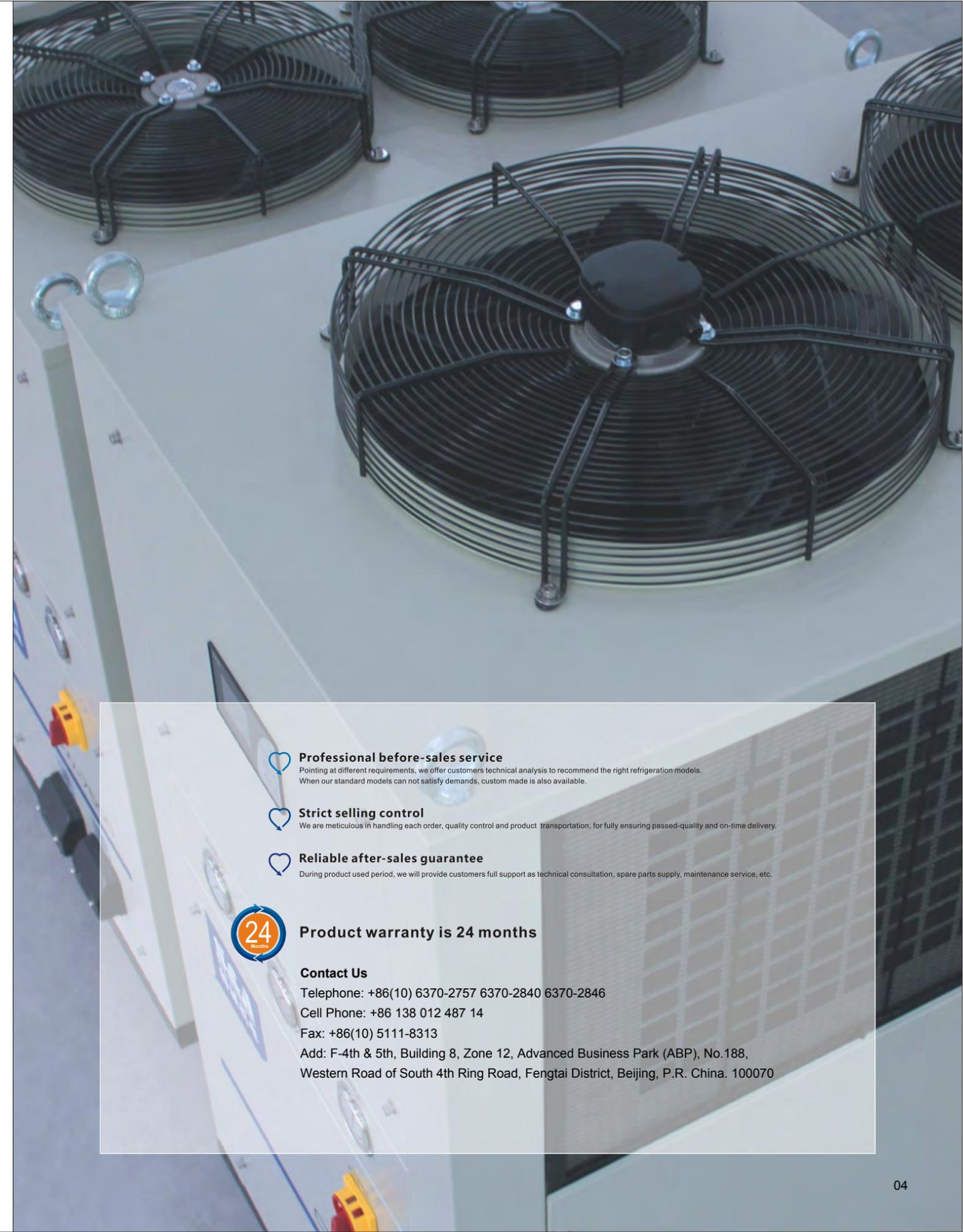
Example: CW-6202AIH

(This model is CW-6200 series refrigeration type chiller with dual water outlet and inlet, which applies 1 phase 220V voltage, 50Hz frequency and 100W DC pump, with heating function.)

S or H code is placed in the end and can only use one of it in the model name.

CW-6000BN230H

(This model is CW-6000 series refrigeration type chiller with single water outlet and inlet, which applies 1 phase 220V voltage, 60Hz frequency and 2-30 SS centrifugal pump of multistage type, with heating function.)



### Professional before-sales service

Pointing at different requirements, we offer customers technical analysis to recommend the right refrigeration models. When our standard models can not satisfy demands, custom made is also available.



### Strict selling control

We are meticulous in handling each order, quality control and product transportation, for fully ensuring passed-quality and on-time delivery.



### Reliable after-sales guarantee

During product used period, we will provide customers full support as technical consultation, spare parts supply, maintenance service, etc.



### Product warranty is 24 months

### Contact Us

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Western Road of South 4th Ring Road, Fengtai District, Beijing, P.R. China. 100070



0.6KW-30KW cooling capacity to suit your needs

## SELECTION GUIDE

| Model          | Temperature Control Range | Temperature Precision | Flow Rate   | Pressure | Support Dual Temperature Control | Options of Refrigerant |        |               | Cooling Capacity |
|----------------|---------------------------|-----------------------|-------------|----------|----------------------------------|------------------------|--------|---------------|------------------|
|                |                           |                       |             |          |                                  | R-22                   | R-134a | R-410a / 407c |                  |
| <b>CW-5000</b> | 5~35°C                    | ±0.3°C                | 10-16L/min  | 10-25M   |                                  |                        | ●      | 0.692-0.879KW | Page 09          |
| <b>CW-5200</b> | 5~35°C                    | ±0.3°C                | 10-16L/min  | 10-25M   |                                  |                        | ●      | 1.46-1.52KW   | Page 11          |
| <b>CW-5300</b> | 5~35°C                    | ±0.3°C                | 10-16L/min  | 10-25M   |                                  |                        | ●      | 1.84-2.24KW   | Page 13          |
| <b>CW-6000</b> | 5~35°C                    | ±0.5°C                | 13-70L/min  | 12-53M   | Support                          |                        | ●      | 2.785-3.015KW | Page 15          |
| <b>CW-6100</b> | 5~35°C                    | ±0.5°C                | 13-70L/min  | 12-53M   | Support                          |                        | ●      | 4.13-4.24KW   | Page 17/24       |
| <b>CW-6200</b> | 5~35°C                    | ±0.5°C                | 13-70L/min  | 12-53M   | Support                          |                        | ●      | 5.13-5.17KW   | Page 19          |
| <b>CW-6300</b> | 5~35°C                    | ±1°C                  | 70-116L/min | 28-53M   | Support                          |                        | ●      | 8.16-8.35KW   | Page 21/25       |
| <b>CW-6500</b> | 5~35°C                    | ±1°C                  | 70-116L/min | 28-53M   | Support                          |                        | ●      | 8.16-8.35KW   | Page 26          |
| <b>CW-7300</b> | 5~35°C                    | ±1°C                  | 70-116L/min | 28-53M   | Support                          |                        | ●      | 9.6KW         | Page 27          |
| <b>CW-7500</b> | 5~35°C                    | ±1°C                  | 70-116L/min | 28-53M   | Support                          |                        | ●      | 14KW          | Page 23          |
| <b>CW-7800</b> | 5~35°C                    | ±1°C                  | 70-116L/min | 28-53M   | Support                          |                        | ●      | 19KW          | Page 23/28       |
| <b>CW-7900</b> | 5~35°C                    | ±1°C                  | 70-116L/min | 28-53M   | Support                          |                        | ●      | 30KW          | Page 23          |
| <b>CW-3000</b> |                           |                       | 2-13L/min   | 10-70M   |                                  |                        |        | 50W/°C        | Page 07          |

# CW-3000

Thermolysis type  
Industrial Cooler



## FEATURES:

1. Radiating capacity: 50W/°C;
2. Small thermolysis water cooler, energy saving, long working life and simple operation;
3. With completed water flow and over high temperature alarm functions;
4. Multiple power specifications; CE approval; RoHS approval; REACH approval.



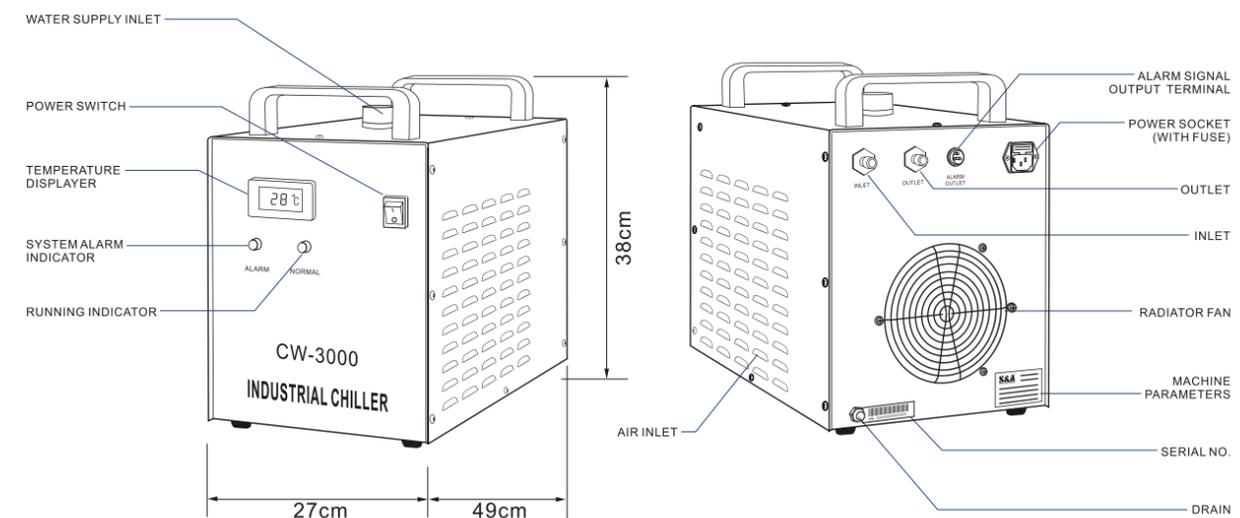
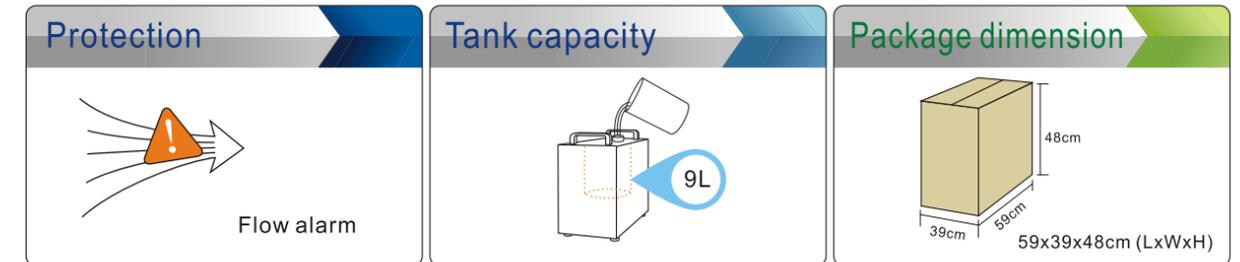
# CW-3000

TECHNICAL PARAMETERS

CW-3000AG: applied to cool a single 80W CO2 laser tube (emitting rate lower than 60%)

CW-3000AH: applied to cool dual 1.5 KW CNC spindles or welding equipment;

| Model              | CW-3000AG                       | CW-3000DG  | CW-3000AF             | CW-3000DF  | CW-3000AK  | CW-3000DK  |
|--------------------|---------------------------------|------------|-----------------------|------------|------------|------------|
| Voltage            | AC 1P 220V                      | AC 1P 110V | AC 1P 220V            | AC 1P 110V | AC 1P 220V | AC 1P 110V |
| Frequency          | 50/60Hz                         |            |                       |            |            |            |
| Current            | 0.45A                           | 0.9A       | 0.45A                 | 0.9A       | 0.5A       | 1.0A       |
| Radiating capacity | 50W/°C                          |            |                       |            |            |            |
| Inlet and outlet   | External Φ10mm brased connector |            | Φ8mm speedy connector |            |            |            |
| Max. lift          | 10M                             |            |                       |            | 70M        |            |
| Max. flow          | 10L/min                         |            |                       |            | 2L/min     |            |
| N.W.               | 9.5Kgs                          |            |                       |            | 12Kgs      |            |
| G.W.               | 12Kgs                           |            |                       |            | 14.5Kgs    |            |



# CW-5000

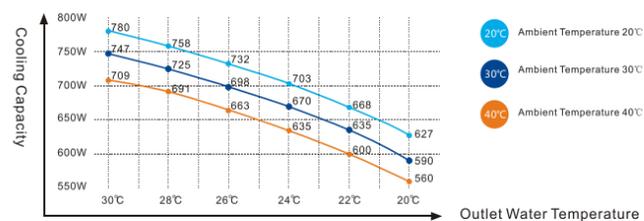
## Industrial Chiller



### FEATURES:

1. 800W cooling capacity; use environmental refrigerant;
2. Compact size, long working life and simple operation;
3.  $\pm 0.3^{\circ}\text{C}$  precisely temperature control;
4. The intelligent temperature controller has 2 control modes, applicable to different applied occasions; with various setting and display functions;
5. Multiple alarm functions: compressor time-delay protection, compressor overcurrent protection, water flow alarm and over high / low temperature alarm;
6. Multiple power specifications; CE approval; RoHS approval; REACH approval;
7. Optional heater and water filter.

Performance Curve



### CW-5000 TECHNICAL PARAMETERS

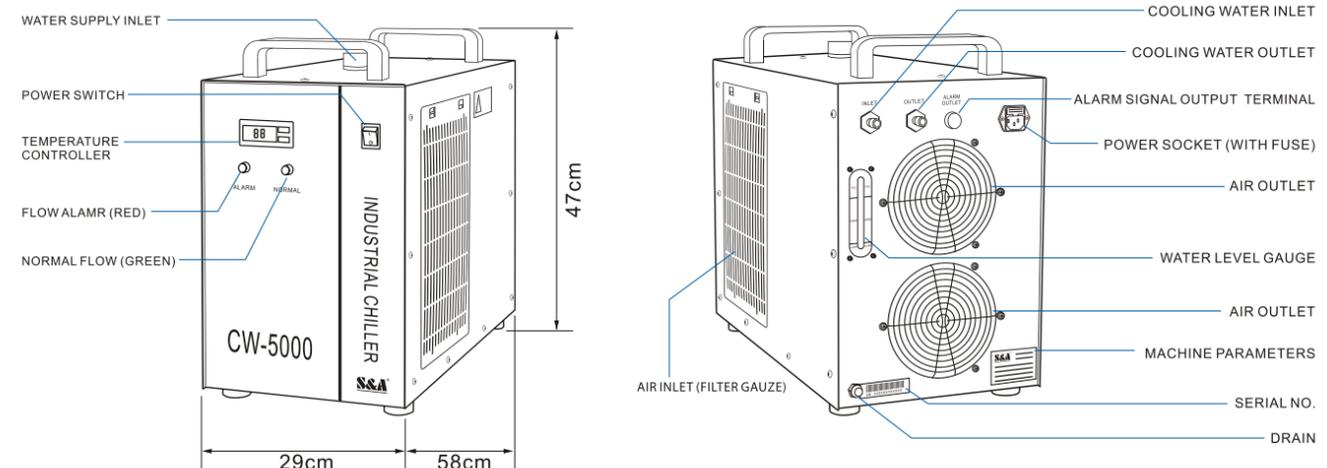
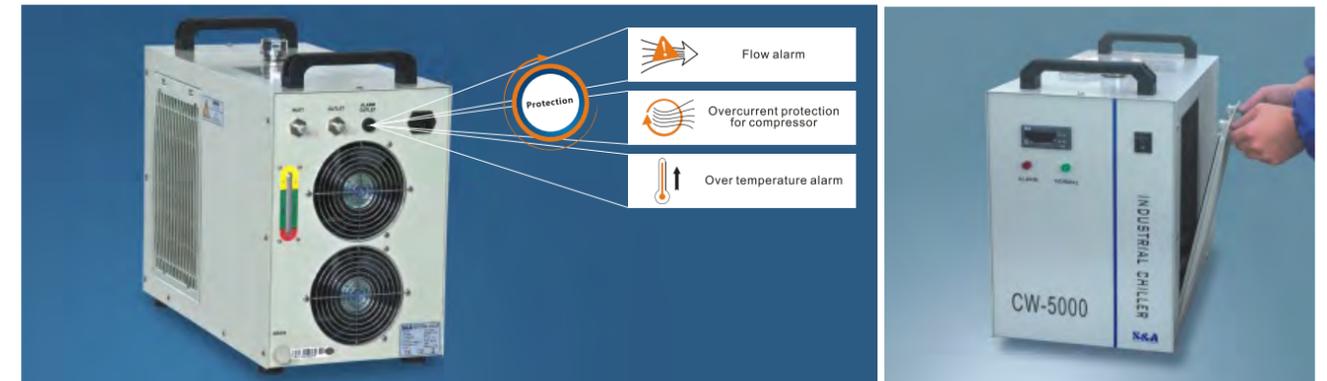
One-stop automatic intelligent temperature control: in different environment, user does not need to change setting due to it will automatically switch to appropriate operating temperature, to avoid the condensate water.

**CW-5000AG:** applied to cool a single 80W CO2 laser tube (emitting rate higher than 60%);

**CW-5000AH:** applied to cool a single 5KW spindle or welding equipment;

**CW-5000AI:** applied to cool a single 5W-10W solid-state laser.

| Model                  | CW-5000AG                                    | CW-5000BG  | CW-5000DG  | CW-5000AH  | CW-5000BH  | CW-5000DH  | CW-5000AI                           | CW-5000BI  | CW-5000DI  |
|------------------------|--|------------|------------|------------|------------|------------|-------------------------------------|------------|------------|
| Voltage                | AC 1P 220V                                   | AC 1P 220V | AC 1P 110V | AC 1P 220V | AC 1P 220V | AC 1P 110V | AC 1P 220V                          | AC 1P 220V | AC 1P 110V |
| Frequency              | 50Hz   | 60Hz       | 60Hz       | 50Hz       | 60Hz       | 60Hz       | 50Hz                                | 60Hz       | 60Hz       |
| Current                | 1.4~2.1A                                     |            | 3.5~5.6A   | 1~4.8A     |            | 3.5~5.6A   | 1.4~2.1A                            |            | 3.5~5.6A   |
| Compressor power       | 0.295 KW                                     | 0.38KW     | 0.305KW    | 0.295 KW   | 0.38KW     | 0.305KW    | 0.295 KW                            | 0.38KW     | 0.305KW    |
|                        | 0.40HP                                       | 0.52HP     | 0.41HP     | 0.40HP     | 0.52HP     | 0.41HP     | 0.40HP                              | 0.52HP     | 0.41HP     |
| Refrigeration capacity | 2361Btu/h                                    | 2999Btu/h  | 2866Btu/h  | 2361Btu/h  | 2999Btu/h  | 2866Btu/h  | 2361Btu/h                           | 2999Btu/h  | 2866Btu/h  |
|                        | 0.692KW                                      | 0.879KW    | 0.84KW     | 0.692KW    | 0.879KW    | 0.84KW     | 0.692KW                             | 0.879KW    | 0.84KW     |
| Refrigerant charge     | 300g   | 320g       | 280g       | 300g       | 320g       | 280g       | 300g                                | 320g       | 280g       |
|                        | 595Kcal/h                                    | 756Kcal/h  | 722Kcal/h  | 595Kcal/h  | 756Kcal/h  | 722Kcal/h  | 595Kcal/h                           | 756Kcal/h  | 722Kcal/h  |
| Pump power             | 0.03KW                                       |            |            | 0.05KW     |            |            | 0.1KW                               |            |            |
| Max. lift              | 10M  |            |            | 12M        |            |            | 25M                                 |            |            |
| Max. flow              | 10L/min                                      |            |            | 13L/min    |            |            | 16L/min                             |            |            |
| Inlet and outlet       | External $\Phi 10\text{mm}$ barbed connector |            |            |            |            |            | $\Phi 10\text{mm}$ speedy connector |            |            |
| N.W.                   |  |            |            |            |            |            | 24Kgs                               |            |            |
| G.W.                   |  |            |            |            |            |            | 27Kgs                               |            |            |



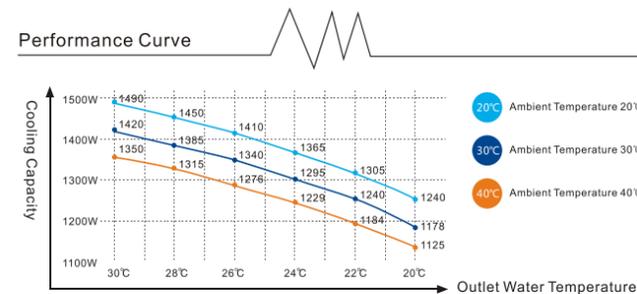
# CW-5200

## Industrial Chiller



### FEATURES:

1. 1400W cooling capacity; use environmental refrigerant;
2. Compact size, long working life and simple operation;
3.  $\pm 0.3^{\circ}\text{C}$  precisely temperature control;
4. The intelligent temperature controller has 2 control modes, applicable to different applied occasions; with various setting and display functions;
5. Multiple alarm functions: compressor time-delay protection, compressor overcurrent protection, water flow alarm and over high / low temperature alarm;
6. Multiple power specifications; CE approval; RoHS approval; REACH approval;
7. Optional heater and water filter.



### CW-5200 TECHNICAL PARAMETERS

One-stop automatic intelligent temperature control: in different environment, user does not need to change setting due to it will automatically switch to appropriate operating temperature, to avoid the condensate water.

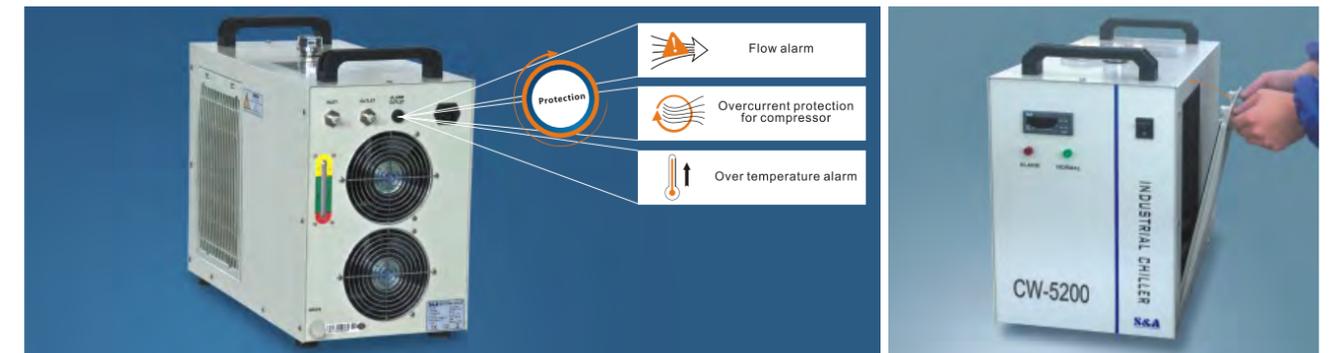
**CW-5200AG:** applied to cool a single 130W CO2 laser tube

**CW-5200AH:** applied to a cool a single 8KW CNC spindle, welding equipment or two 100W CO2 laser tubes.

**CW-5200AI:** applied to a cool single 50W laser diode, a single 15W-30W solid-state laser or a single 30W RF laser tube;

**Optional:** CW-5202 dual water inlet and outlet series; heat booster; water filter.

| Model                  | CW-5200AG                       | CW-5200BG  | CW-5200DG  | CW-5200TG       | CW-5200AH  | CW-5200BH  | CW-5200DH              | CW-5200AI  | CW-5200BI  | CW-5200DI  |
|------------------------|---------------------------------|------------|------------|-----------------|------------|------------|------------------------|------------|------------|------------|
| Voltage                | AC 1P 220V                      | AC 1P 220V | AC 1P 110V | AC 1P 220V      | AC 1P 220V | AC 1P 220V | AC 1P 110V             | AC 1P 220V | AC 1P 220V | AC 1P 110V |
| Frequency              | 50Hz                            | 60Hz       | 60Hz       | 50/60Hz         | 50Hz       | 60Hz       | 60Hz                   | 50Hz       | 60Hz       | 60Hz       |
| Current                | 2.4~3.1A                        | 2.6~3.3A   | 4.5~6.5A   | 2.4~3.3A        | 2.4~3.1A   | 2.6~3.3A   | 4.5~6.5A               | 2.4~3.1A   | 2.6~3.3A   | 4.5~6.5A   |
| Compressor power       | 0.52KW                          | 0.5KW      | 0.68KW     | 0.49/0.57KW     | 0.52KW     | 0.5KW      | 0.68KW                 | 0.52KW     | 0.5KW      | 0.68KW     |
|                        | 0.71HP                          | 0.68HP     | 0.93HP     | 0.66/0.77HP     | 0.71HP     | 0.68HP     | 0.93HP                 | 0.71HP     | 0.68HP     | 0.93HP     |
| Refrigeration capacity | 5084Btu/h                       | 4982Btu/h  | 5186Btu/h  | 4825/5797Btu/h  | 5084Btu/h  | 4982Btu/h  | 5186Btu/h              | 5084Btu/h  | 4982Btu/h  | 5186Btu/h  |
|                        | 1.49KW                          | 1.46KW     | 1.52KW     | 1.41/1.70KW     | 1.49KW     | 1.46KW     | 1.52KW                 | 1.49KW     | 1.46KW     | 1.52KW     |
|                        | 1281Kcal/h                      | 1256Kcal/h | 1307Kcal/h | 1219/1465Kcal/h | 1281Kcal/h | 1256Kcal/h | 1307Kcal/h             | 1281Kcal/h | 1256Kcal/h | 1307Kcal/h |
| Refrigerant charge     | 360g                            | 380g       | 350g       | 380g            | 360g       | 380g       | 350g                   | 360g       | 380g       | 350g       |
| Pump power             | 0.03KW                          |            |            | 0.05KW          |            |            | 0.1KW                  |            |            |            |
| Max. lift              | 10M                             |            |            | 12M             |            |            | 25M                    |            |            |            |
| Max. flow              | 10L/min                         |            |            | 13L/min         |            |            | 16L/min                |            |            |            |
| Inlet and outlet       | External Φ10mm barbed connector |            |            |                 |            |            | Φ10mm speedy connector |            |            |            |
| N.W.                   | 26Kgs                           |            |            |                 |            |            |                        |            |            |            |
| G.W.                   | 29Kgs                           |            |            |                 |            |            |                        |            |            |            |



**Reducer**

Capillary

**Precision**

$\pm 0.3^{\circ}\text{C}$

**Refrigerant**

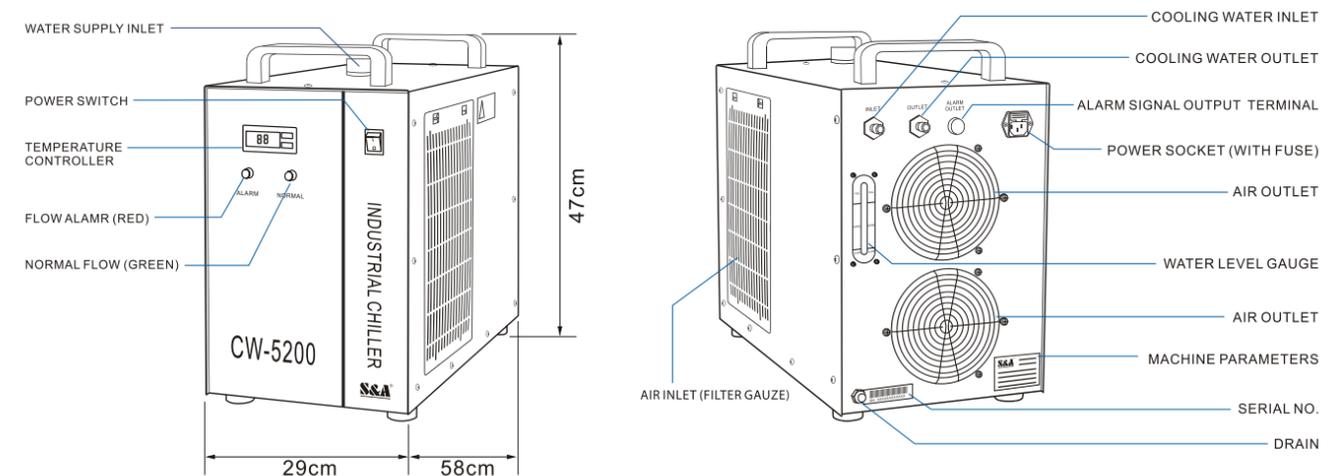
R-22 / R-410a

**Tank capacity**

6L

**Package dimension**

58cm  
70cm  
43cm  
70x43x58cm (LxWxH)



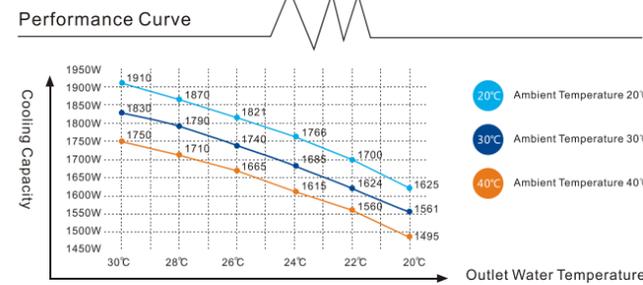
# CW-5300

## Industrial Chiller



### FEATURES:

- 1800W cooling capacity; use environmental refrigerant;
- Compact size, long working life and simple operation;
- $\pm 0.3^{\circ}\text{C}$  precisely temperature control;
- The intelligent temperature controller has 2 control modes, applicable to different applied occasions; with various setting and display functions;
- Multiple alarm functions: compressor time-delay protection, compressor overcurrent protection, water flow alarm and over high / low temperature alarm;
- Multiple power specifications; CE approval; RoHS approval; REACH approval;
- Optional heater and water filter.



### CW-5300 TECHNICAL PARAMETERS

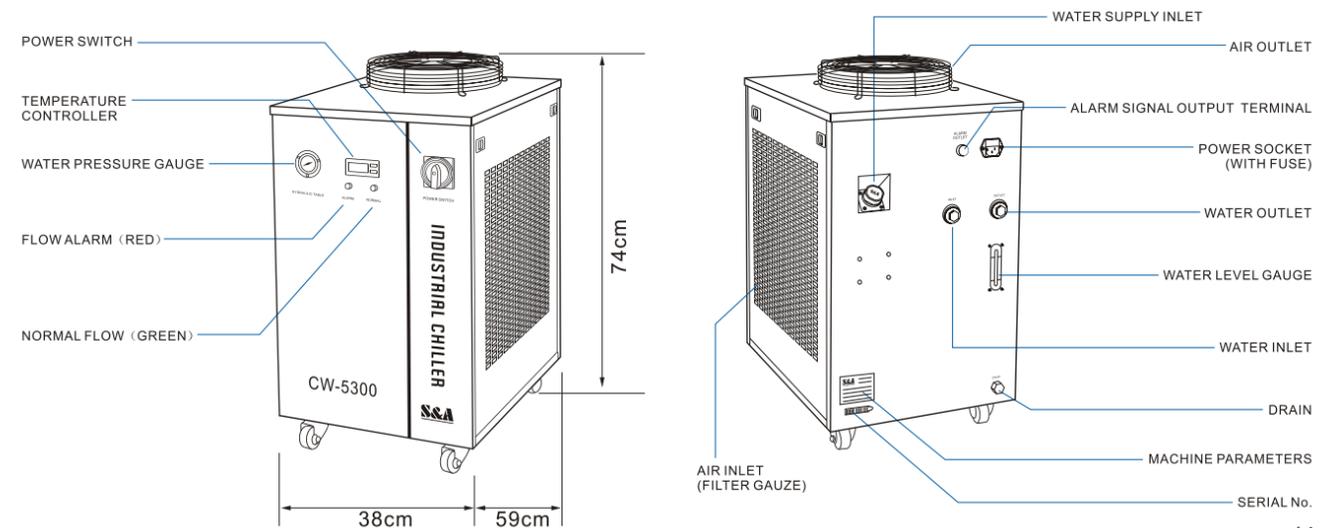
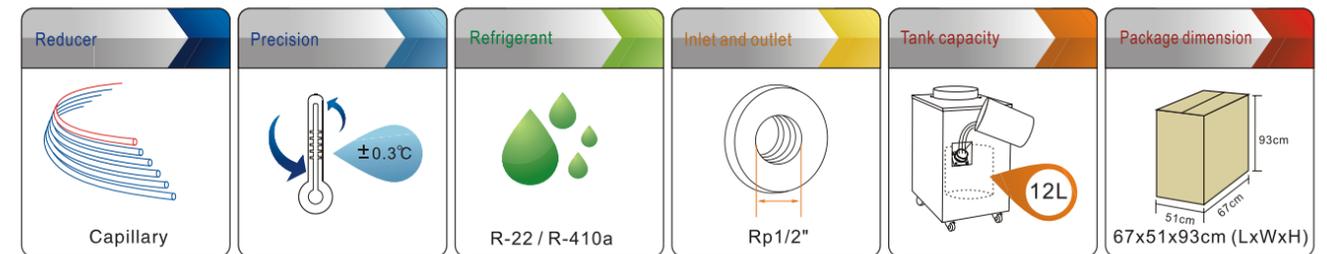
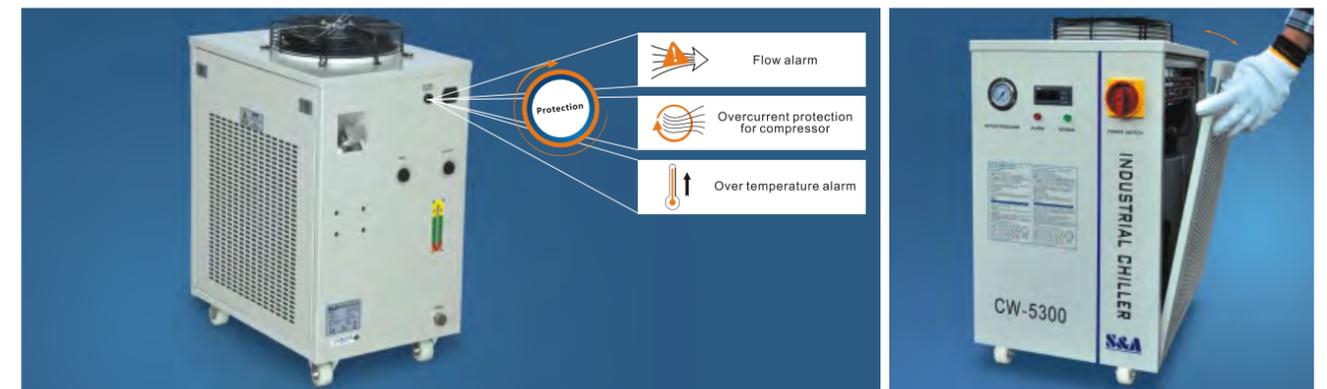
One-stop automatic intelligent temperature control: in different environment, user does not need to change setting due to it will automatically switch to appropriate operating temperature, to avoid the condensate water.

**CW-5300AH:** applied to a cool single 150W CO2 laser tube;

**CW-5300AI:** applied to a cool single 200W CO2 laser, a single 100W laser diode, a single 75W solid-state lase, a single 18KW CNC spindle or welding equipment;

**Optional:** CW-5302 dual water inlet and outlet series; heat booster; water filter.

| Model                  | CW-5300AG                         | CW-5300BG                         | CW-5300DG                         | CW-5300AH                         | CW-5300BH                         | CW-5300DH                         | CW-5300AI                         | CW-5300BI                         | CW-5300DI                         |
|------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Voltage                | AC 1P 220V                        | AC 1P 220V                        | AC 1P 110V                        | AC 1P 220V                        | AC 1P 220V                        | AC 1P 110V                        | AC 1P 220V                        | AC 1P 220V                        | AC 1P 110V                        |
| Frequency              | 50Hz                              | 60Hz                              | 60Hz                              | 50Hz                              | 60Hz                              | 60Hz                              | 50Hz                              | 60Hz                              | 60Hz                              |
| Current                | 0.8~4.5A                          | 1~4.2A                            | 1~7.5A                            | 0.8~4.5A                          | 1~4.2A                            | 1~7.5A                            | 0.8~4.5A                          | 1~4.2A                            | 1~7.5A                            |
| Compressor power       | 0.615KW<br>0.82HP                 | 0.72KW<br>0.96HP                  | 0.68KW<br>0.91HP                  | 0.615KW<br>0.82HP                 | 0.68KW<br>0.96HP                  | 0.72KW<br>0.91HP                  | 0.615KW<br>0.82HP                 | 0.68KW<br>0.96HP                  | 0.68KW<br>0.91HP                  |
| Refrigeration capacity | 6274Btu/h<br>1.84KW<br>1586Kcal/h | 7638Btu/h<br>2.24KW<br>1931Kcal/h | 7266Btu/h<br>2.13KW<br>1837Kcal/h | 6274Btu/h<br>1.84KW<br>1586Kcal/h | 7638Btu/h<br>2.24KW<br>1931Kcal/h | 7266Btu/h<br>2.13KW<br>1837Kcal/h | 6274Btu/h<br>1.84KW<br>1586Kcal/h | 7638Btu/h<br>2.24KW<br>1931Kcal/h | 7266Btu/h<br>2.13KW<br>1837Kcal/h |
| Refrigerant charge     | 650g                              | 750g                              | 680g                              | 650g                              | 750g                              | 680g                              | 650g                              | 750g                              | 680g                              |
| Pump power             |                                   | 0.03KW                            |                                   |                                   | 0.05KW                            |                                   |                                   | 0.1KW                             |                                   |
| Max. lift              |                                   | 10M                               |                                   |                                   | 12M                               |                                   |                                   | 25M                               |                                   |
| Max. flow              |                                   | 10L/min                           |                                   |                                   | 13L/min                           |                                   |                                   | 16L/min                           |                                   |
| N.W.                   |                                   |                                   |                                   |                                   | 44Kgs                             |                                   |                                   |                                   |                                   |
| G.W.                   |                                   |                                   |                                   |                                   | 50Kgs                             |                                   |                                   |                                   |                                   |



# CW-6000

## Industrial Chiller

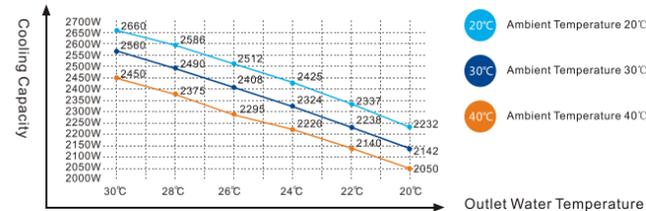


### FEATURES:

1. 3000W cooling capacity; use environmental refrigerant;
2. Compact size, long working life and simple operation;
3.  $\pm 0.5^{\circ}\text{C}$  precisely temperature control;
4. The intelligent temperature controller has 2 control modes, applicable to different applied occasions; with various setting and display functions;
5. Multiple alarm functions: compressor time-delay protection, compressor overcurrent protection, water flow alarm and over high / low temperature alarm;
6. Multiple power specifications; CE approval; RoHS approval; REACH approval;
7. Optional heater and water filter.



Performance Curve



### CW-6000 TECHNICAL PARAMETERS

One-stop automatic intelligent temperature control: in different environment, user does not need to change setting due to it will automatically switch to appropriate operating temperature, to avoid the condensate water.

**CW-6000AH:** applied to cool three 100W CO2 laser tubes or four 80W CO2 laser tubes;

**CW-6000AI:** applied to a cool single CO2 100W RF laser tube;

**CW-6000AN:** applied to a cool a single 100W solid-state laser, a single 22KW CNC spindle or a single 30W-300W fiber laser

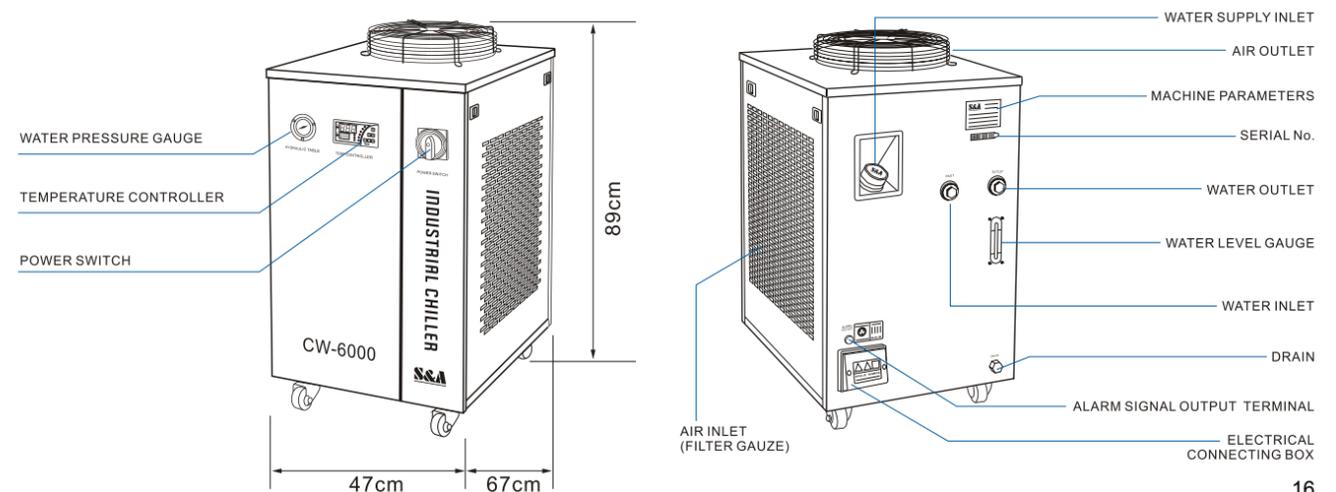
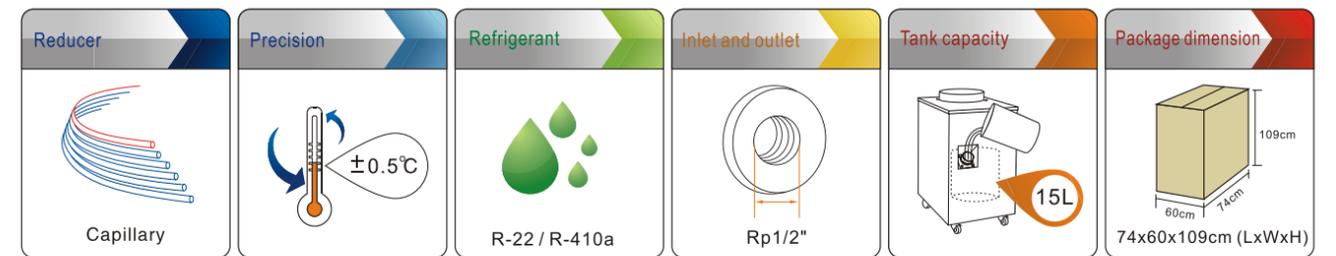
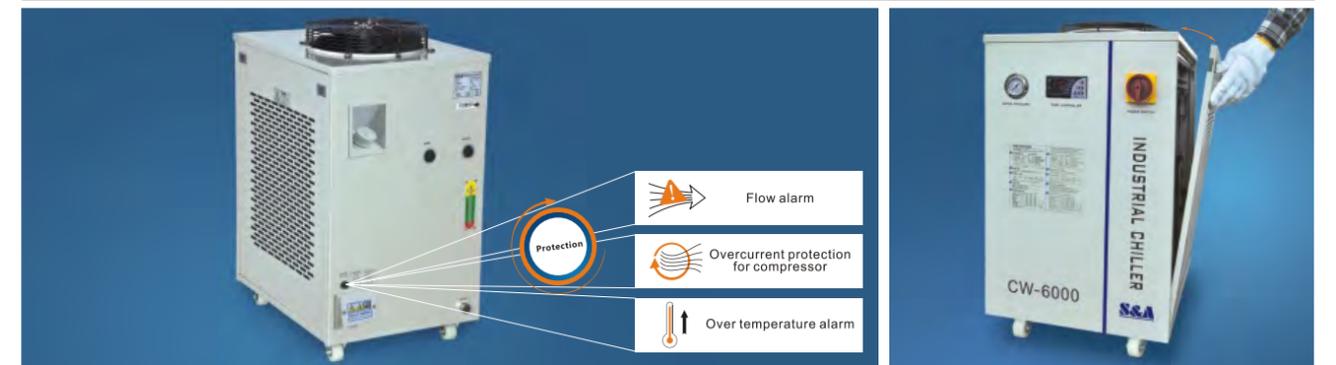
Optional: CW-6002 dual water inlet and outlet series; heat booster; water filter.

CW-6000AN250s01: applied to cool a single 300W-500W fiber laser;

Equipped with heat booster and water filter.

CW-6250 chiller with dual cooling circuit, intelligent temperature control, completed configuration, perfect protection and alarm system, it is applied to cool 1.5KW fiber laser.

| Model                  | CW-6000AH  | CW-6000BH  | CW-6000DH  | CW-6000AI  | CW-6000BI  | CW-6000DI  | CW-6000AN   | CW-6000BN  | CW-6000DN  |
|------------------------|------------|------------|------------|------------|------------|------------|-------------|------------|------------|
| Voltage                | AC 1P 220V | AC 1P 220V | AC 1P 110V | AC 1P 220V | AC 1P 220V | AC 1P 110V | AC 1P 220V  | AC 1P 220V | AC 1P 110V |
| Frequency              | 50Hz       | 60Hz       | 60Hz       | 50Hz       | 60Hz       | 60Hz       | 50Hz        | 60Hz       | 60Hz       |
| Current                | 1~4.5A     |            | 1~10A      | 1.5~5.5A   |            | 1.5~10.5A  | 2~6A        |            | 2~11A      |
| Compressor power       | 0.965KW    | 0.895KW    | 1.12KW     | 0.965KW    | 0.895KW    | 1.12KW     | 0.965KW     | 0.895KW    | 1.12KW     |
|                        | 1.28HP     | 1.22HP     | 1.52HP     | 1.28HP     | 1.22HP     | 1.52HP     | 1.28HP      | 1.22HP     | 1.52HP     |
| Refrigeration capacity | 10286Btu/h | 9502Btu/h  | 10724Btu/h | 10286Btu/h | 9502Btu/h  | 10724Btu/h | 10286Btu/h  | 9502Btu/h  | 10724Btu/h |
|                        | 3.015KW    | 2.785KW    | 3.145KW    | 3.015KW    | 2.785KW    | 3.145KW    | 3.015KW     | 2.785KW    | 3.145KW    |
|                        | 2592Kcal/h | 2395Kcal/h | 2711Kcal/h | 2592Kcal/h | 2395Kcal/h | 2711Kcal/h | 2592Kcal/h  | 2395Kcal/h | 2711Kcal/h |
| Refrigerant charge     | 800g       | 750g       | 650g       | 800g       | 750g       | 650g       | 800g        | 750g       | 650g       |
| Pump power             | 0.05KW     |            |            | 0.1KW      |            |            | 0.37-0.75KW |            |            |
| Max. lift              | 12M        |            |            | 25M        |            |            | 28~53M      |            |            |
| Max. flow              | 13L/min    |            |            | 16L/min    |            |            | 70L/min     |            |            |
| N.W.                   | 60Kgs      |            |            |            |            |            | 72Kgs       |            |            |
| G.W.                   | 70Kgs      |            |            |            |            |            | 82Kgs       |            |            |



# CW-6100

## Industrial Chiller

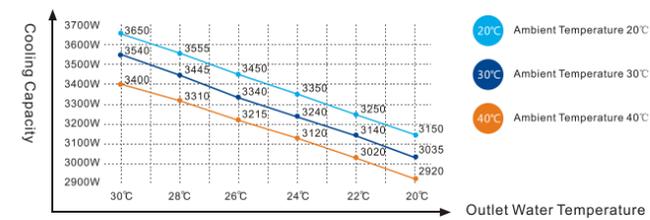


### FEATURES:

1. 4200W cooling capacity; optional environmental refrigerant;
2.  $\pm 0.5^{\circ}\text{C}$  precisely temperature control;
3. The intelligent temperature controller has 2 control modes, applicable to different applied occasions; with various setting and display functions;
4. Multiple alarm functions: compressor time-delay protection, compressor overcurrent protection, water flow alarm and over high / low temperature alarm;
5. Multiple power specifications; CE approval; RoHS approval; REACH approval;
6. Long working life and simple operation;
7. Optional heater and water filter.



Performance Curve



### CW-6100 TECHNICAL PARAMETERS

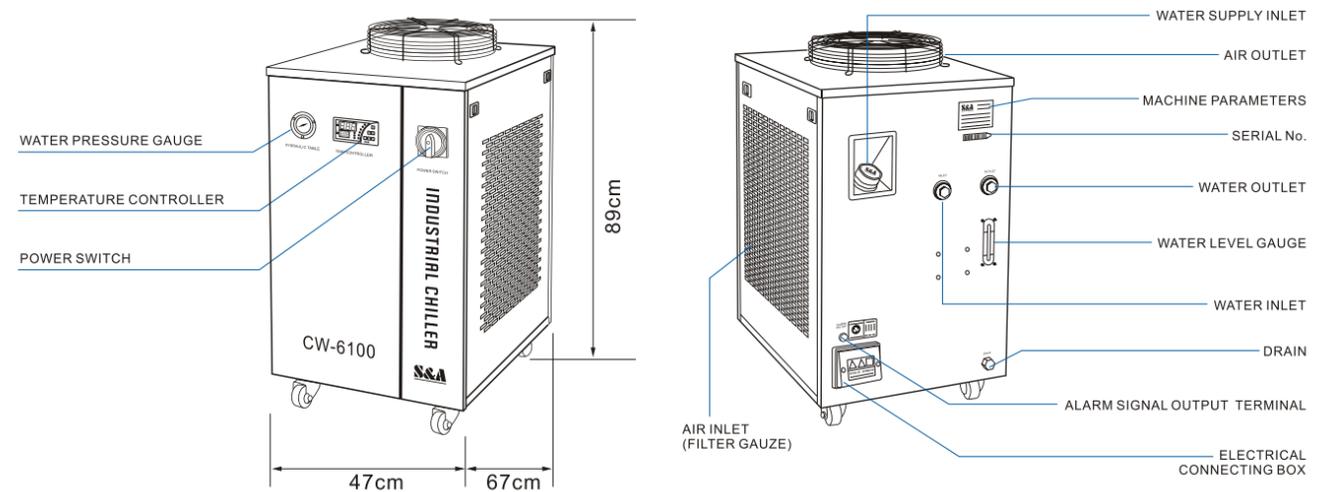
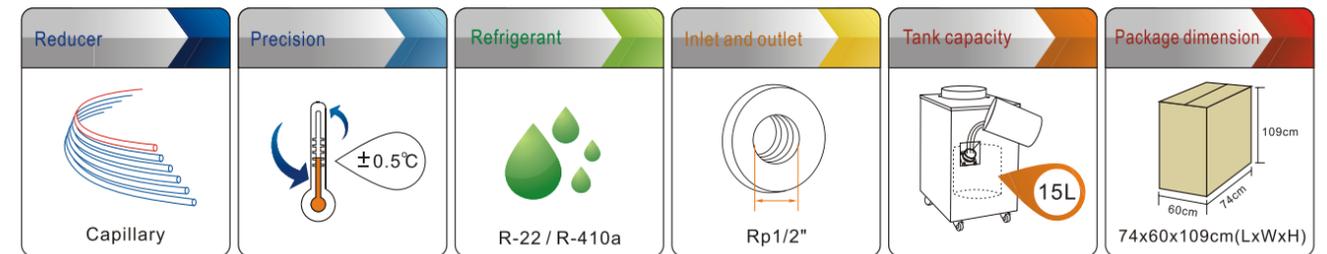
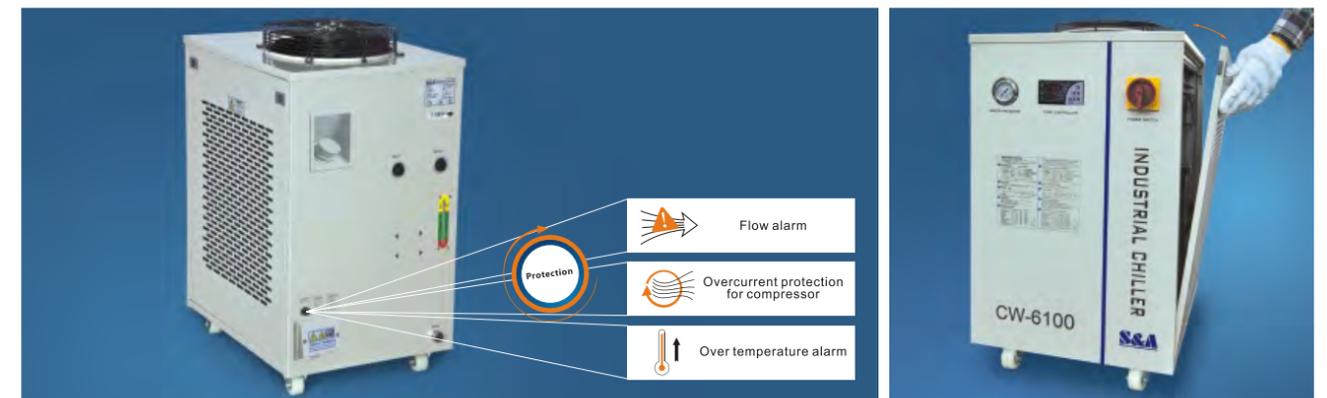
One-stop automatic intelligent temperature control: in different environment, user does not need to change setting due to it will automatically switch to appropriate operating temperature, to avoid the condensate water.

**CW-6100AI:** applied to cool dual 200W CO2 glass laser tubes, or a single 400W CO2 laser tube;

**CW-6100AN:** applied to cool a single 150W CO2 RF laser tube, a single 150W laser diode, a single 150W solid-state laser, a single 300W-600W fiber laser or a single 36KW CNC spindle.

Optional: CW-6102 dual water inlet and outlet series; heat booster; water filter.

| Model                  | CW-6100AH  | CW-6100BH  | CW-6100AI  | CW-6100BI  | CW-6100AN   | CW-6100BN  |
|------------------------|------------|------------|------------|------------|-------------|------------|
| Voltage                | AC 1P 220V  | AC 1P 220V |
| Frequency              | 50Hz       | 60Hz       | 50Hz       | 60Hz       | 50Hz        | 60Hz       |
| Current                | 1~8A       |            | 1.5~8.5A   |            | 2~9A        |            |
| Compressor power       | 1.38KW     | 1.29KW     | 1.38KW     | 1.29KW     | 1.38KW      | 1.29KW     |
|                        | 1.84HP     | 1.72HP     | 1.84HP     | 1.72HP     | 1.84HP      | 1.72HP     |
| Refrigeration capacity | 14483Btu/h | 14092Btu/h | 14483Btu/h | 14092Btu/h | 14483Btu/h  | 14092Btu/h |
|                        | 4.24KW     | 4.13KW     | 4.24KW     | 4.13KW     | 4.24KW      | 4.13KW     |
|                        | 3650Kcal/h | 3551Kcal/h | 3650Kcal/h | 3551Kcal/h | 3650Kcal/h  | 3551Kcal/h |
| Refrigerant charge     | 950g       | 900g       | 950g       | 900g       | 950g        | 900g       |
| Pump power             | 0.05KW     |            | 0.1KW      |            | 0.37~0.75KW |            |
| Max. lift              | 12M        |            | 25M        |            | 28~53M      |            |
| Max. flow              | 13L/min    |            | 16L/min    |            | 70L/min     |            |
| N.W.                   | 65Kgs      |            |            |            | 77Kgs       |            |
| G.W.                   | 75Kgs      |            |            |            | 87Kgs       |            |



# CW-6200

## Industrial Chiller

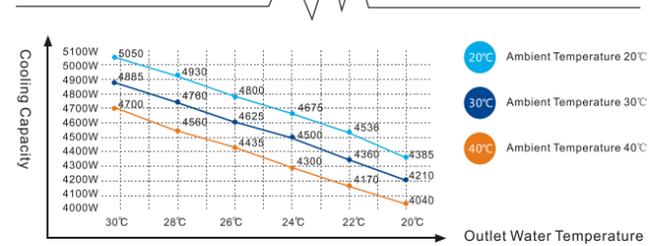


### FEATURES:

1. 5100W cooling capacity; optional environmental refrigerant;
2.  $\pm 0.5^{\circ}\text{C}$  precisely temperature control;
3. The intelligent temperature controller has 2 control modes, applicable to different applied occasions; with various setting and display functions;
4. Multiple alarm functions: compressor time-delay protection, compressor overcurrent protection, water flow alarm and over high / low temperature alarm;
5. Multiple power specifications; CE approval; RoHS approval; REACH approval;
6. Long working life and simple operation;
7. Optional heater and water filter.



Performance Curve



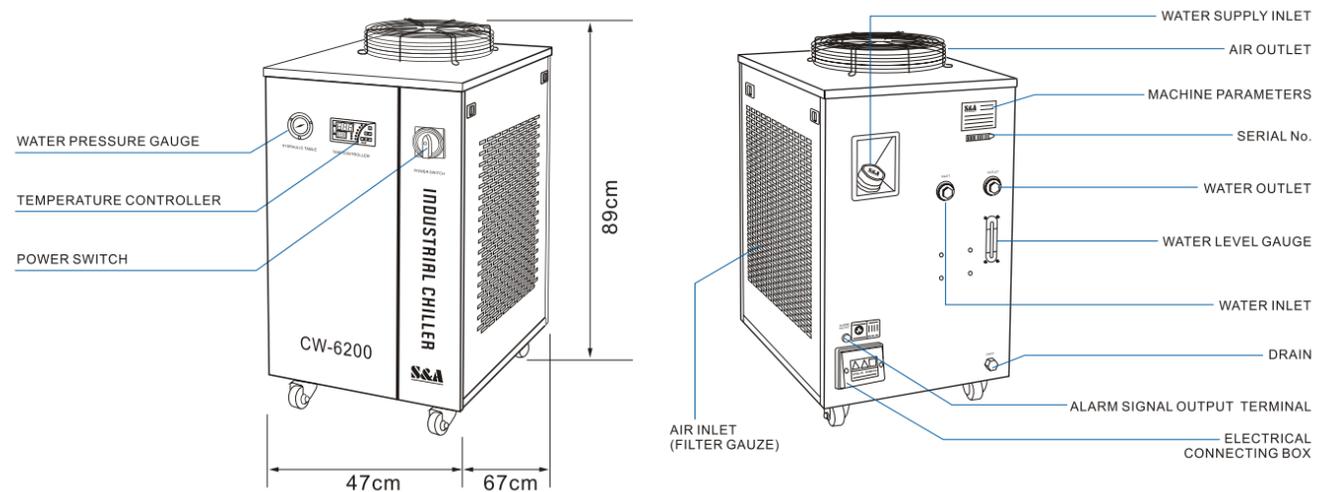
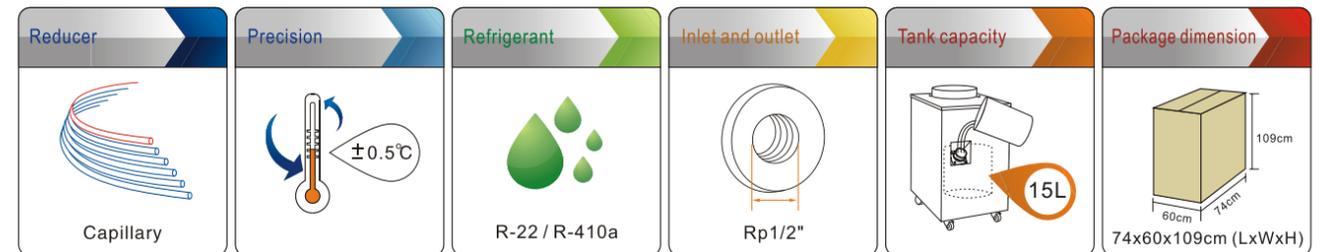
### CW-6200 TECHNICAL PARAMETERS

One-stop automatic intelligent temperature control: in different environment, user does not need to change setting due to it will automatically switch to appropriate operating temperature, to avoid the condensate water.

**CW-6200AI:** applied to cool dual 200W CO2 laser tubes;

**CW-6200AN:** applied to cool a single 200W CO2 RF laser tube, a single 600W CO2 laser tube, a single 200W laser diode, a single 400W solid-state laser, a single 600W-1000W fiber laser or a single 45KW CNC spindle.

| Model                  | CW-6200AH                          | CW-6200BH                          | CW-6200AI                          | CW-6200BI                          | CW-6200AN                          | CW-6200BN                          |
|------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Voltage                | AC 1P 220V                         |
| Frequency              | 50Hz                               | 60Hz                               | 50Hz                               | 60Hz                               | 50Hz                               | 60Hz                               |
| Current                | 1~8.2A                             | 1~8A                               | 1.5~8.7A                           | 1.5~8.5A                           | 2~9.2A                             | 2~9A                               |
| Compressor power       | 1.68KW<br>2.28HP                   | 1.645KW<br>2.24HP                  | 1.68KW<br>2.28HP                   | 1.645KW<br>2.24HP                  | 1.68KW<br>2.28HP                   | 1.645KW<br>2.24HP                  |
| Refrigeration capacity | 17510Btu/h<br>5.13KW<br>4420Kcal/h | 17640Btu/h<br>5.17KW<br>4446Kcal/h | 17510Btu/h<br>5.13KW<br>4420Kcal/h | 17640Btu/h<br>5.17KW<br>4446Kcal/h | 17510Btu/h<br>5.13KW<br>4420Kcal/h | 17640Btu/h<br>5.17KW<br>4446Kcal/h |
| Refrigerant charge     | 1100g                              | 1200g                              | 1100g                              | 1200g                              | 1100g                              | 1200g                              |
| Pump power             | 0.05KW                             |                                    | 0.1KW                              |                                    | 0.37~0.75KW                        |                                    |
| Max. lift              | 12M                                |                                    | 25M                                |                                    | 28~53M                             |                                    |
| Max. flow              | 13L/min                            |                                    | 16L/min                            |                                    | 70L/min                            |                                    |
| N.W.                   |                                    |                                    |                                    |                                    | 69Kgs                              |                                    |
| G.W.                   |                                    |                                    |                                    |                                    | 79Kgs                              |                                    |



# CW-6300

## Industrial Chiller

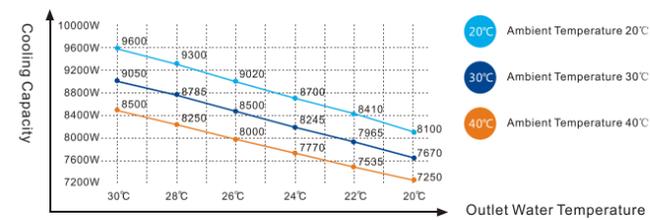


### Features:

1. 8500W cooling capacity; optional environmental refrigerant;
2.  $\pm 1^\circ\text{C}$  precisely temperature control;
3. The intelligent temperature controller has 2 control modes, applicable to different applied occasions; with various setting and display functions;
4. Multiple alarm functions: compressor time-delay protection, compressor overcurrent protection, water flow alarm and over high / low temperature alarm;
5. Multiple power specifications; CE approval; RoHS approval; REACH approval;
6. Support ModBus-485 communication;
7. Optional heater and water filter.



Performance Curve



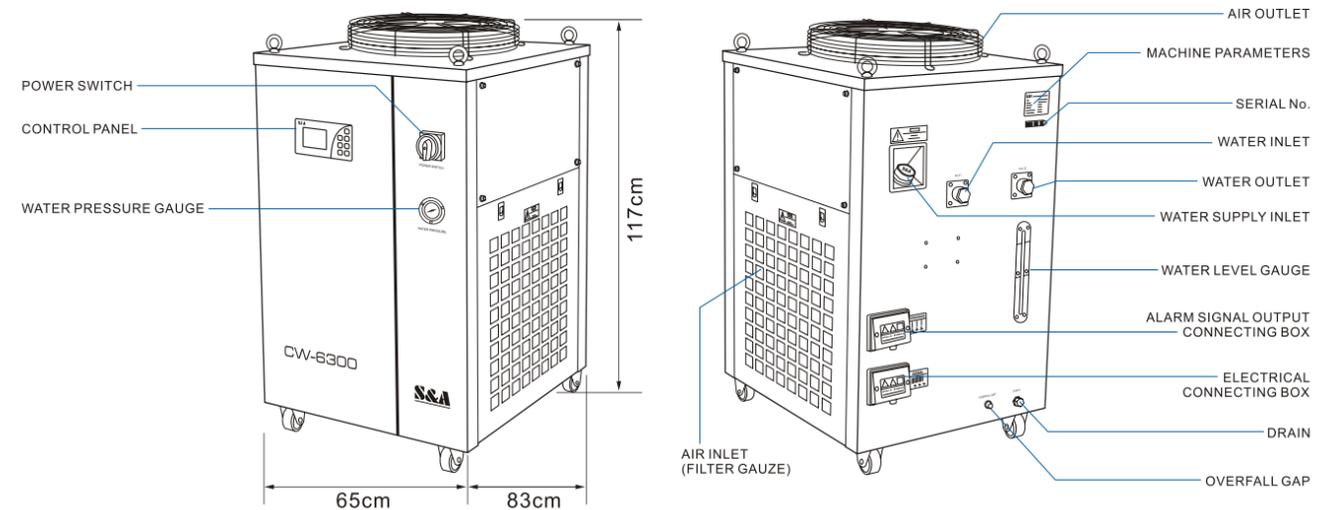
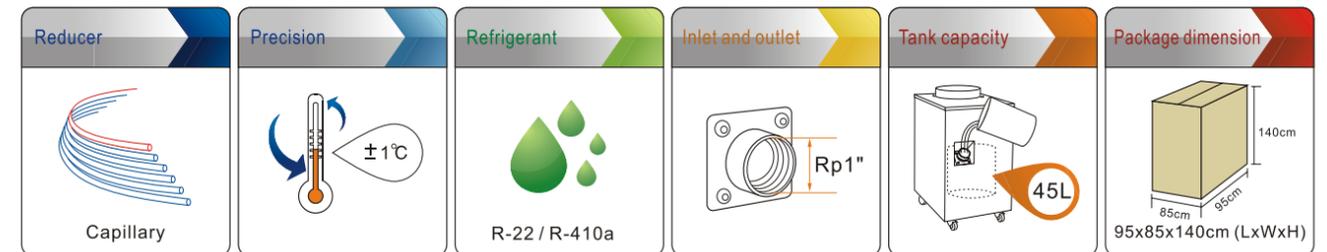
### CW-6300 TECHNICAL PARAMETERS

One-stop automatic intelligent temperature control: in different environment, user does not need to change setting due to it will automatically switch to appropriate operating temperature, to avoid the condensate water.

**CW-6300AN:** applied to cool a single 300W YAG laser, a single 300W CO2 RF laser tube or a single 300W laser diode.

Optional: CW-6302 dual water inlet and outlet series; heat booster; water filter.

| Model                  | CW-6300AN                          | CW-6300BN                           | CW-6300EN                         |
|------------------------|------------------------------------|-------------------------------------|-----------------------------------|
| Voltage                | AC 1P 220V                         | AC 1P 220V                          | AC 3P 380V                        |
| Frequency              | 50Hz                               | 60Hz                                | 50Hz                              |
| Current                | 3~20A                              | 3~20A                               | 2~6A                              |
| Compressor power       | 2.8KW<br>3.73HP                    | 2.7KW<br>3.6HP                      | 2.6KW<br>3.46HP                   |
| Refrigeration capacity | 28498Btu/h<br>8.35KW<br>7181Kcal/h | 27850Btu/h<br>8.16 KW<br>7017Kcal/h | 27986Btu/h<br>8.2KW<br>7052Kcal/h |
| Refrigerant charge     | 2150g                              | 2100g                               | 2350g                             |
| Pump power             |                                    | 0.37~1.1KW                          |                                   |
| Max. lift              |                                    | 28~53 M                             |                                   |
| Max. flow              |                                    | 70 ~116 L/min                       |                                   |
| N.W.                   |                                    | 150Kgs                              |                                   |
| G.W.                   |                                    | 163Kgs                              |                                   |



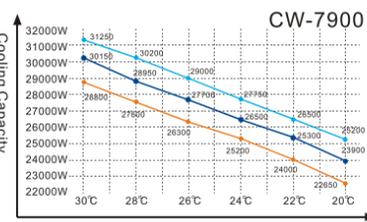
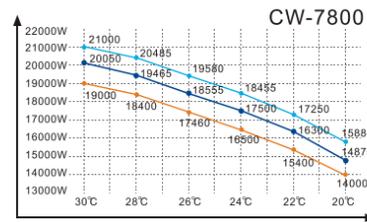
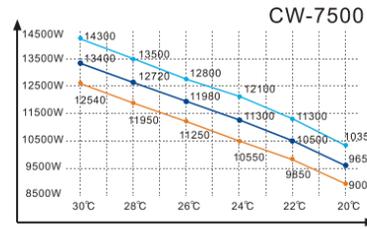
# CW-7500 | 7800 | 7900

Industrial chiller



## PERFORMANCE CURVE

20°C Ambient Temp 20°C 30°C Ambient Temp 30°C 40°C Ambient Temp 40°C



- Flow alarm
- Overcurrent protection for compressor
- Over temperature alarm

# CW-6100

Dual temperature and Dual pump series Industrial chiller



- Flow alarm
- Overcurrent protection for compressor
- Over temperature alarm



**CW-7500EN:** applied to cool a single 400W-500W YAG laser; Optional: CW-7502 dual water inlet and outlet series; heat booster; water filter

**CW-7800:** applied to cool a single 4KW fiber laser; Equipped with heat booster and water filter.

**CW-7800EN:** applied to cool a single 600W-700W YAG laser; Optional: CW-7802 dual water inlet and outlet series; heat booster; water filter.

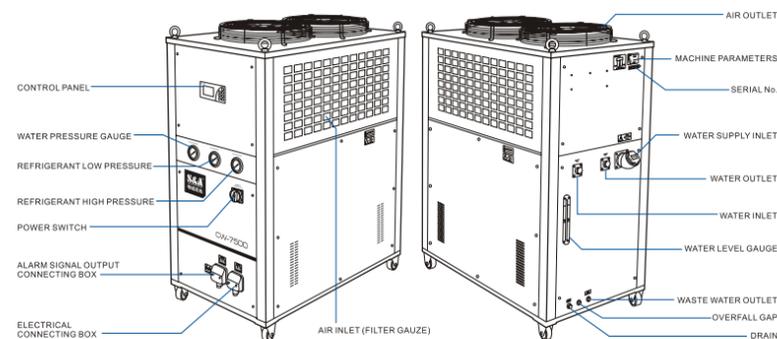
**CW-7900EN:** applied to cool a single 800W-900W YAG laser; Optional: CW-7902 dual water inlet and outlet series; heat boost

## TECHNICAL PARAMETERS

| Model                  | CW-7500EN                                | CW-7500FN                          | CW-7800EN                         | CW-7800FN                            | CW-7900EN                          | CW-7900FN                           |
|------------------------|--|------------------------------------|-----------------------------------|--------------------------------------|------------------------------------|-------------------------------------|
| Voltage                | AC 3P 380V                               | AC 3P 380V                         | AC 3P 380V                        | AC 3P 380V                           | AC 3P 380V                         | AC 3P 380V                          |
| Frequency              | 50Hz                                     | 60Hz                               | 50Hz                              | 60Hz                                 | 50Hz                               | 60Hz                                |
| Current                | 8~13 A                                   | 8~15A                              | 8~15A                             | 8~18A                                | 10~20A                             | 10~17A                              |
| Compressor power       | 4.54KW<br>6.05HP                         | 4.54KW<br>6.05HP                   | 7.15KW<br>9.54HP                  | 7 KW<br>9.5 HP                       | 9.05KW<br>12HP                     | 9.05KW<br>12HP                      |
| Refrigeration capacity | 49445Btu/h<br>14KW<br>12500Kcal/h        | 49445 Btu/h<br>14KW<br>12500Kcal/h | 65510Btu/h<br>19KW<br>16512Kcal/h | 71610 Btu/h<br>21 KW<br>18103 Kcal/h | 104346Btu/h<br>30KW<br>26316Kcal/h | 104346Btu/h<br>30 KW<br>26316Kcal/h |
| Refrigerant charge     | 4400g                                    | 3800g                              | 4600g                             | 4600g                                | 7100g                              | 7100g                               |
| Pump power             | 0.37~1.1KW                               |                                    | 0.37~1.1KW                        |                                      | 0.37~1.1KW                         |                                     |
| Max. lift              | 28~53 M                                  |                                    | 28~53 M                           |                                      | 28~53 M                            |                                     |
| Max. flow              | 70~116 L/min                             |                                    | 70~116 L/min                      |                                      | 70~116 L/min                       |                                     |
| Refrigerant            | R-22 / R407C                             |                                    | R-22 / R407C                      |                                      | R-22 / R407C                       |                                     |
| Reducer                | Thermostatic expansion valve / Capillary |                                    |                                   | Thermostatic expansion valve         |                                    |                                     |
| Precision              | ±1°C                                     |                                    | ±1°C                              |                                      | ±1°C                               |                                     |
| Inlet and outlet       | Rp1"                                     |                                    | Rp1"                              |                                      | Rp1"                               |                                     |
| Tank capacity          | 75 L                                     |                                    | 140 L                             |                                      | 170 L                              |                                     |
| N.W.                   | 280 Kgs                                  |                                    | 350 Kgs                           |                                      | 400 Kgs                            |                                     |
| G.W.                   | 305 Kgs                                  |                                    | 380 Kgs                           |                                      | 450 Kgs                            |                                     |
| Dimension              | 129 x 70 x 149 cm (L x W x H)            |                                    | 155 x 82 x 178 cm (L x W x H)     |                                      | 166 x 87 x 187 cm (L x W x H)      |                                     |
| Package dimension      | 145 x 92 x 178cm (L x W x H)             |                                    | 165 x 105 x 198 cm (L x W x H)    |                                      | 176 x 110 x 207 cm (L x W x H)     |                                     |

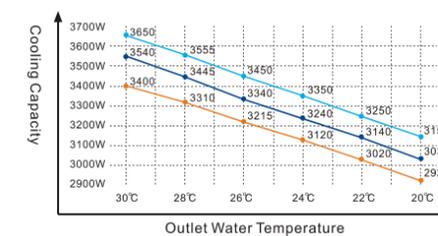
## FEATURES:

- 30KW cooling capacity; optional environmental refrigerant; (CW-7900); 19KW cooling capacity; optional environment refrigerant; (CW-7800); 14KW cooling capacity; optional environment refrigerant; (CW-7500)
- ±1°C precisely temperature control;
- Support ModBus-485 communication; with various setting and error display functions;
- Multiple alarm functions: compressor time-delay protection, compressor overcurrent protection, water flow alarm and over high / low temperature alarm, phase sequence protection and anti-freezing function;
- Multiple power specifications; CE approval; RoHS approval; REACH approval;
- Optional heater and water filter.



## PERFORMANCE CURVE

20°C Ambient Temperature 20°C 30°C Ambient Temperature 30°C 40°C Ambient Temperature 40°C



One-stop automatic intelligent temperature control: in different environment, user does not need to change setting due to it will automatically switch to appropriate operating temperature, to avoid the condensate water.

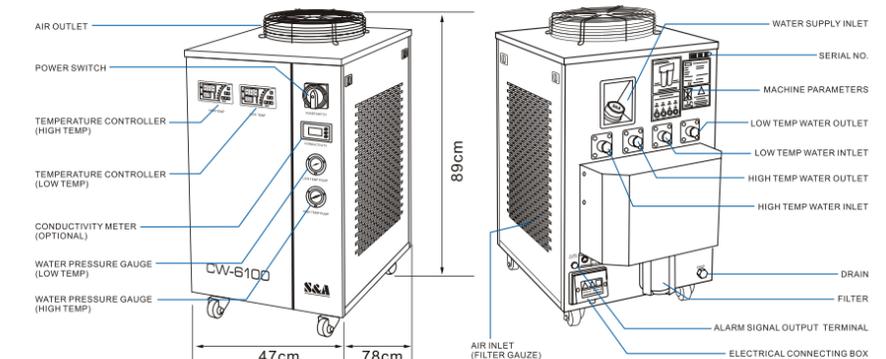
**CW-6100AT:** applied to cool a single 300W-1000W fiber laser; Equipped with heat booster and water filter.

## FEATURES:

- 4200W cooling capacity; optional environmental refrigerant;
- ±0.5°C precisely temperature control;
- The intelligent temperature controller has 2 control modes, applicable to different applied occasions; with various setting and display functions;
- Dual temperature and dual pump to satisfy different needs of fiber laser device and the lens;
- With Ion adsorption filtrating and test functions conform to fiber laser device operating requirements;
- Multiple alarm functions: compressor time-delay protection, compressor overcurrent protection, water flow alarm and over high / low temperature alarm;
- Multiple power specifications; CE approval; RoHS approval; REACH approval;
- Long working life and easy operation;
- Optional heater and water filter.

## TECHNICAL PARAMETERS

| Model                           | CW-6100ATH   | CW-6100BTH   |
|---------------------------------|--|--|
| Voltage                         | AC 1P 220V   | AC 1P 220V   |
| Frequency                       | 50Hz   | 60Hz   |
| Current                         | 2~13A  | 2~13A  |
| Compressor power                | 1.38KW<br>1.84HP   | 1.29KW<br>1.72HP   |
| Refrigeration capacity          | 930Btu/h + 13640Btu/h<br>0.3KW + 4KW<br>180Kcal/h + 3440Kcal/h | 930Btu/h + 12958Btu/h<br>0.3KW + 3.8KW<br>180Kcal/h + 3268Kcal/h |
| Refrigerant charge              | 950g   | 900g   |
| High + low temp pump power      | 0.1KW + 0.55KW   |  |
| High + low temp pump lift       | 25M + 36M  |  |
| High + low temp pump flow       | 16L/min + 70L/min  |  |
| Reducer                         | 毛细管Capillary   |  |
| Precision                       | ±0.5°C   |  |
| Refrigerant                     | R-22 / R-410a  |  |
| High + low tem inlet and outlet | Rp1/2"   |  |
| High + low tem tTank capacity   | 4L+12L   |  |
| N.W.                            | 90Kgs  |  |
| G.W.                            | 100Kgs   |  |
| Package dimension               | 87 x 60 x 109cm (L x W x H)                                    |  |



# CW-6300

Dual temperature and Dual pump series  
Industrial chiller



- Flow alarm
- Overcurrent protection for compressor
- Over temperature alarm



# CW-6500

Dual temperature and Dual pump series  
Industrial chiller



- Flow alarm
- Overcurrent protection for compressor
- Over temperature alarm



## TECHNICAL PARAMETERS

| Model                           | CW-6300AT                    | CW-6300ET         | CW-6300BT              |
|---------------------------------|------------------------------|-------------------|------------------------|
| Voltage                         | AC 1P 220 V                  | AC 3P 380 V       | AC 1P 220 V            |
| Frequency                       | 50 Hz                        | 50 Hz             | 60 Hz                  |
| Current                         | 3~20A                        | 2~7A              | 6~22A                  |
| Compressor power                | 2.8 KW<br>3.73 HP            | 2.6 KW<br>3.46 HP | 2.7 KW<br>3.6 HP       |
| Refrigeration capacity          | 1706 Btu/h+25597 Btu/h       |                   | 1706 Btu/h+26144 Btu/h |
|                                 | 0.5 KW+7.5 KW                |                   | 0.5 KW+7.66 KW         |
|                                 | 430 Kcal/h+6450 Kcal/h       |                   | 430 Kcal/h+6587 Kcal/h |
| Refrigerant charge              | 2150g                        | 2450g             | 2100g                  |
| High + low temp pump power      | 0.1 KW+1.1 KW                |                   |                        |
| High + low temp pump lift       | 25 M+53M                     |                   |                        |
| High + low temp pump flow       | 16 L/min+116 L/min           |                   |                        |
| Reducer                         | Capillary                    |                   |                        |
| Precision                       | ± 1°C                        |                   |                        |
| Refrigerant                     | R-22 / R-410a                |                   | R-410a                 |
| High + low tem inlet and outlet | Rp1/2" + Rp1"                |                   |                        |
| High + low tem tTank capacity   | 6L+34L                       |                   |                        |
| N.W.                            | 155 Kgs                      |                   |                        |
| G.W.                            | 175 Kgs                      |                   |                        |
| Package dimension               | 111 x 85 x 140cm (L x W x H) |                   |                        |

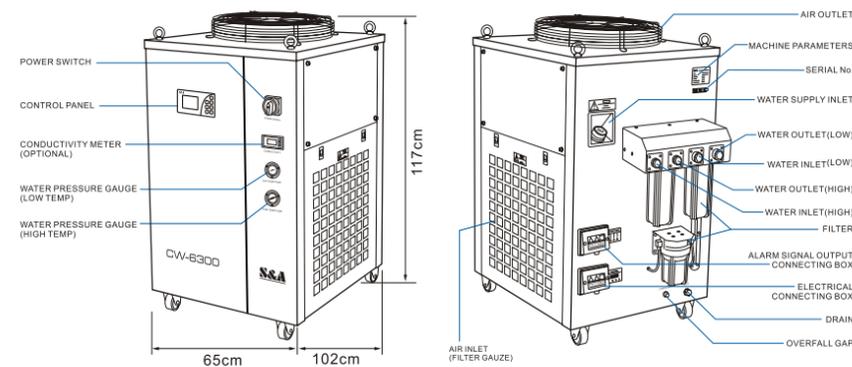
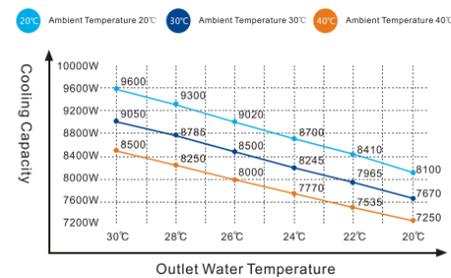
One-stop automatic intelligent temperature control: in different environment, user does not need to change setting due to it will automatically switch to appropriate operating temperature, to avoid the condensate water.

**CW-6300AT/ET:** applied to cool a single 800W fiber laser;  
Equipped with heat booster and water filter.

## FEATURES:

- 8500W cooling capacity; optional environmental refrigerant;
- ± 1°C precisely temperature control;
- The intelligent temperature controller has 2 control modes, applicable to different applied occasions; with various setting and display functions;
- Multiple alarm functions: compressor time-delay protection, compressor overcurrent protection, water flow alarm and over high / low temperature alarm;
- Multiple power specifications; CE approval; RoHS approval; REACH approval;
- Support ModBus-485 communication;
- Optional heater and water filter.

## PERFORMANCE CURVE



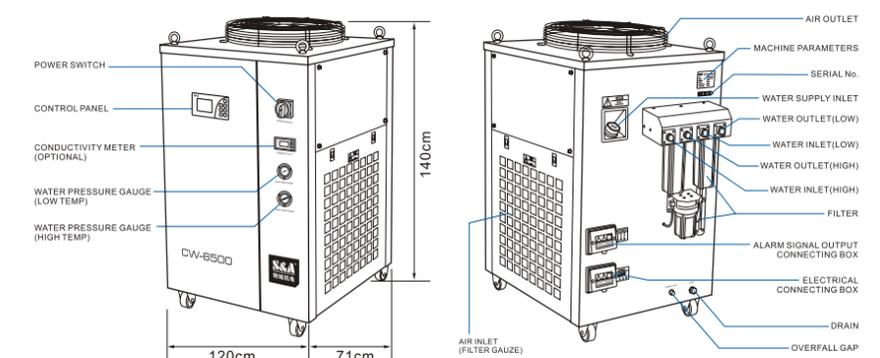
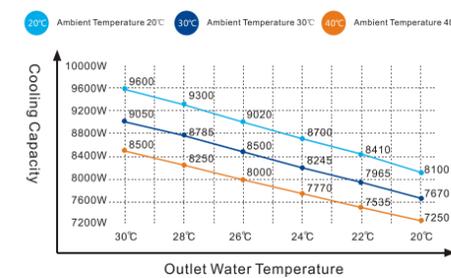
## FEATURES:

- 7600W cooling capacity; optional environmental refrigerant;
- ± 1°C precisely temperature control;
- The intelligent temperature controller has 2 control modes, applicable to different applied occasions; with various setting and display functions;
- Multiple alarm functions: compressor time-delay protection, compressor overcurrent protection, water flow alarm and over high / low temperature alarm;
- Multiple power specifications; CE approval; RoHS approval; REACH approval;
- Support ModBus-485 communication;
- Optional heater and water filter.

## TECHNICAL PARAMETERS

| Model                           | CW-6500ET                    | CW-6500BT        |
|---------------------------------|------------------------------|------------------|
| Voltage                         | AC 3P 380 V                  | AC 1P 220 V      |
| Frequency                       | 50 Hz                        | 60 Hz            |
| Current                         | 2~8A                         | 6~23A            |
| Compressor power                | 2.6 KW<br>3.46 HP            | 2.7 KW<br>3.6 HP |
| Refrigeration capacity          | 1706 Btu/h+25597 Btu/h       |                  |
|                                 | 0.5 KW+7.5 KW                |                  |
|                                 | 430 Kcal/h+6450 Kcal/h       |                  |
| Refrigerant charge              | 2450g                        | 2100g            |
| High + low temp pump power      | 0.75KW+1.1 KW                |                  |
| High + low temp pump lift       | 53 M+53M                     |                  |
| High + low temp pump flow       | 70 L/min+116 L/min           |                  |
| Reducer                         | Capillary                    |                  |
| Precision                       | ± 1°C                        |                  |
| Refrigerant                     | R-22 / R-410a                |                  |
| High + low tem inlet and outlet | Rp1/2" + Rp1"                |                  |
| High + low tem tTank capacity   | 8L+45L                       |                  |
| N.W.                            | 190 Kgs                      |                  |
| G.W.                            | 210 Kgs                      |                  |
| Package dimension               | 135 x 86 x 155cm (L x W x H) |                  |

## PERFORMANCE CURVE



# CW-7300

Dual temperature and Dual pump series Industrial chiller



- Flow alarm
- Overcurrent protection for compressor
- Over temperature alarm



One-stop automatic intelligent temperature control: in different environment, user does not need to change setting due to it will automatically switch to appropriate operating temperature, to avoid the condensate water.

**CW-7300ET:** applied to cool a single 1000W fiber laser; Equipped with heat booster and water filter.

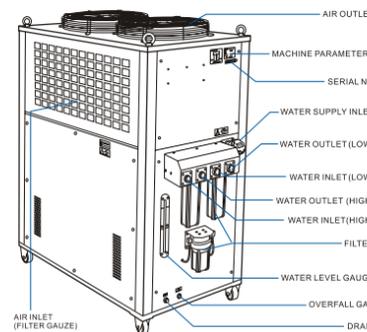
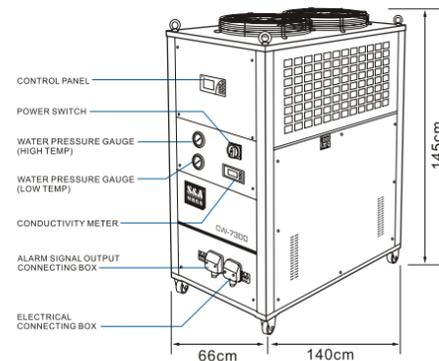
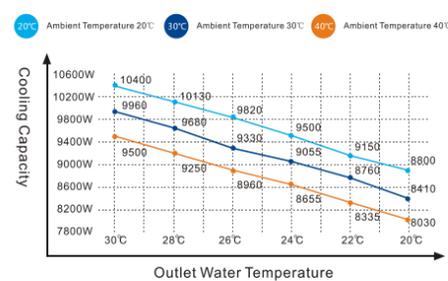
## FEATURES:

- 9600W cooling capacity; optional environmental refrigerant;
- ± 1°C precisely temperature control;
- The intelligent temperature controller has 2 control modes, applicable to different applied occasions; with various setting and display functions;
- Dual temperature and dual pump to satisfy different needs of fiber laser device and the lens;
- With Ion adsorption filtrating and test functions conform to fiber laser device operating requirements;
- Multiple alarm functions: compressor time-delay protection, compressor overcurrent protection, water flow alarm and over high / low temperature alarm;
- Multiple power specifications; CE approval; RoHS approval; REACH approval;
- Support ModBus-485 communication;
- Optional heater and water filter.

## TECHNICAL PARAMETERS

| Model                           | CW-7300ET   | CW-7300FT   |
|---------------------------------|---|---|
| Voltage                         | AC 3P 380 V   | AC 3P 380 V   |
| Frequency                       | 50 Hz   | 60 Hz   |
| Current                         | 2~12A   | 2~12A   |
| Compressor power                | 3.35 KW<br>4.58 HP  | 4.1KW<br>5.57 HP  |
| Refrigeration capacity          | 1706 Btu/h+31049 Btu/h<br>0.5 KW+9.1 KW<br>430 Kcal/h+7826 Kcal/h | 1706 Btu/h+38214 Btu/h<br>0.5 KW+11.2KW<br>430 Kcal/h+9656 Kcal/h |
| Refrigerant charge              | 3600g   | 3000g   |
| High + low temp pump power      | 0.75 KW+1.1 KW  |   |
| High + low temp pump lift       | 53 M+53M  |   |
| High + low temp pump flow       | 70 L/min+116 L/min  |   |
| Reducer                         | Thermostatic expansion valve                                      |   |
| Precision                       | ± 1°C   |   |
| Refrigerant                     | R-22 / R407C  |   |
| High + low tem inlet and outlet | Rp1/2" + Rp1"   |   |
| High + low tem tTank capacity   | 7L+40L  |   |
| N.W.                            | 200 Kgs   |   |
| G.W.                            | 225 Kgs   |   |
| Package dimension               | 148 x 85 x 170cm (L x W x H)                                      |   |

## PERFORMANCE CURVE



# CW-7800

Dual temperature and Dual pump series Industrial chiller



- Flow alarm
- Overcurrent protection for compressor
- Over temperature alarm



## FEATURES:

- 18500W cooling capacity; optional environmental refrigerant;
- ± 1°C precisely temperature control;
- The intelligent temperature controller has 2 control modes, applicable to different applied occasions; with various setting and display functions;
- Dual temperature and dual pump to satisfy different needs of fiber laser device and the lens;
- With Ion adsorption filtrating and test functions conform to fiber laser device operating requirements;
- Multiple alarm functions: compressor time-delay protection, compressor overcurrent protection, water flow alarm and over high / low temperature alarm;
- Multiple power specifications; CE approval; RoHS approval; REACH approval;
- Support ModBus-485 communication;
- Optional heater and water filter.

## TECHNICAL PARAMETERS

| Model                           | CW-7800ETH  | CW-7800FT |
|---------------------------------|---|-----------|
| Voltage                         | AC 3P 380V  |           |
| Frequency                       | 50Hz  | 60Hz      |
| Current                         | 9~16A   | 9~18A     |
| Compressor power                | 7.15KW<br>9.54HP  |           |
| Refrigeration capacity          | 1705Btu/h + 63085Btu/h<br>0.5KW + 18.5KW<br>431Kcal/h + 15948Kcal/h |           |
| Refrigerant charge              | 4700g   | 4600g     |
| High + low temp pump power      | 0.75 KW+1.1 KW  |           |
| High + low temp pump lift       | 53 M+53M  |           |
| High + low temp pump flow       | 70 L/min+116 L/min  |           |
| Reducer                         | Thermostatic expansion valve  |           |
| Precision                       | ± 1°C   |           |
| Refrigerant                     | R-22 / R407C  |           |
| High + low tem inlet and outlet | Rp1/2" + Rp1"   |           |
| High + low tem tTank capacity   | 15L+135L  |           |
| N.W.                            | 360 Kgs   |           |
| G.W.                            | 390 Kgs   |           |
| Package dimension               | 179 x 105 x 199cm (L x W x H)                                       |           |

## PERFORMANCE CURVE

