

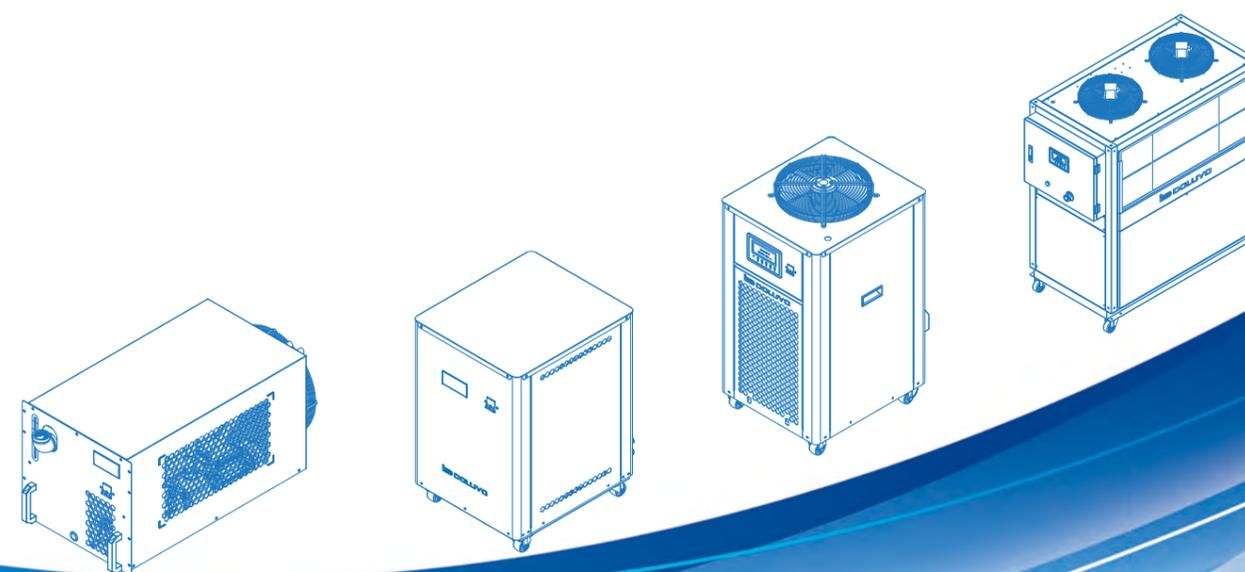


# 工业冷冻产品

Industrial Refrigeration Products

## 工业冷却设备专业提供商

Professional Manufacturer of Cooling System for Industrial Equipment



### 深圳市东露阳实业有限公司

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声明 :

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All the specification are subject to change without further notice, for more details please contact the Doluyo salesman or application engineer.



扫描关注微信公众号

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»» DOLUYO

• 我们一直专注制冷 We've been focusing on refrigeration all the time

07 /	<b>型号解释</b> Type Code Explanation
08 /	<b>风冷式—紫外/超快激光器冷水机</b> Air Cooled-- UV/Ultrafast Laser Chiller
17 /	<b>风冷式—超快高精度冷水机</b> Air Cooled-- Ultrafast High Precision Chiller
23 /	<b>风冷式—光纤激光器双温双控冷水机</b> Air Cooled-- Dual-Temperature Dual-Control Chiller for Fiber Lasers
29 /	<b>风冷式—机柜式冷水机</b> Air Cooled-- Rack-mounted Chiller
35 /	<b>风冷式—单温冷水机</b> Air Cooled--SingleTemperature Chiller
45 /	<b>水冷式—冷水机</b> Water Cooled--Water Chiller

## 公司简介 ABOUT US

深圳市东露阳实业有限公司成立于1996年，是一家专业从事制冷设备研发、制造、销售和服务为一体的现代化企业。历经近30年的发展与创新，成功地与众多知名企业配套与合作。公司始终秉承“创新引领市场，打造制冷精品”的产品理念，将激光行业对制冷的应用要求全面融入到产品设计中，为工业制冷配套做出不懈努力！

东露阳在深圳建设有现代化工业园，作为制造基地和销售服务中心，现已形成北京、上海、成都、武汉、济南、温州、苏州、深圳等统一规范的营销网络和服务网点，部分产品还大量出口欧美、澳洲以及东南亚等地，为广大用户提供工业制冷的全套解决方案。

“追求卓越”是我们的宗旨！东露阳，东方升起的太阳，充满了无限生机与活力！愿我们携手并进，共创辉煌美好的明天！

Shenzhen Doluyo Industrial Co., Ltd. was founded in 1996, which is a modern enterprise specializing in R&D, manufacturing, sales and service of refrigeration equipment. After nearly 30 years of development and innovation, it has successfully cooperated with many well-known enterprises. The company has always been adhering to the "innovation to lead the market, create first class refrigeration products" concept, the laser industry's application requirements of cooling are fully integrated into the product design, making unremitting efforts for the industrial refrigeration supporting!

Doluyo has a modern industrial park in Shenzhen. As a manufacturing base and sales service center, it has formed a unified marketing network and service network in Beijing, Shanghai, Chengdu, Wuhan, Jinan, Wenzhou, Suzhou and Shenzhen. Some products are also exported to Europe, America, Australia and Southeast Asia, to provide customers with a full range of industrial refrigeration solutions.

"Pursuing excellence" is our tenet. Doluyo, the sun rising in the east, is full of infinite vitality and vigor! May we go hand in hand to create a brilliant and beautiful future!



公司全貌 Company Profile

**制造·服务**  
Manufacturing • Service

▶ 服务精英 Service team



▼ 自动化生产线 Automated line



▲ 工业生产车间  
Industrial refrigeration workshop



◀ 两器钣金加工车间  
Sheet metal processing workshop

**技术·品质** Technology • Quality



▲ 技术研发中心 Technology R&D center



▲ 实验室控制中心 Laboratory Control Center



▲ 综合性能试验室 Testing Laboratory



▲ 品质检测 Quality inspection

**文化·活动**  
Culture • Recreation



▲ 手语舞大赛 Sign language dance competition



▲ 会议培训 Conference & training



▲ 优秀员工颁奖 Excellent staff awards



▲ 员工生日庆祝 Celebrate birthday



▲ 20周年大合影 20th Anniversary



▲ 校企合作会谈 College-enterprise cooperation talks



▲ 登山比赛 Mountaineering competition



▲ 一年一度K歌赛 Annual karaoke competition

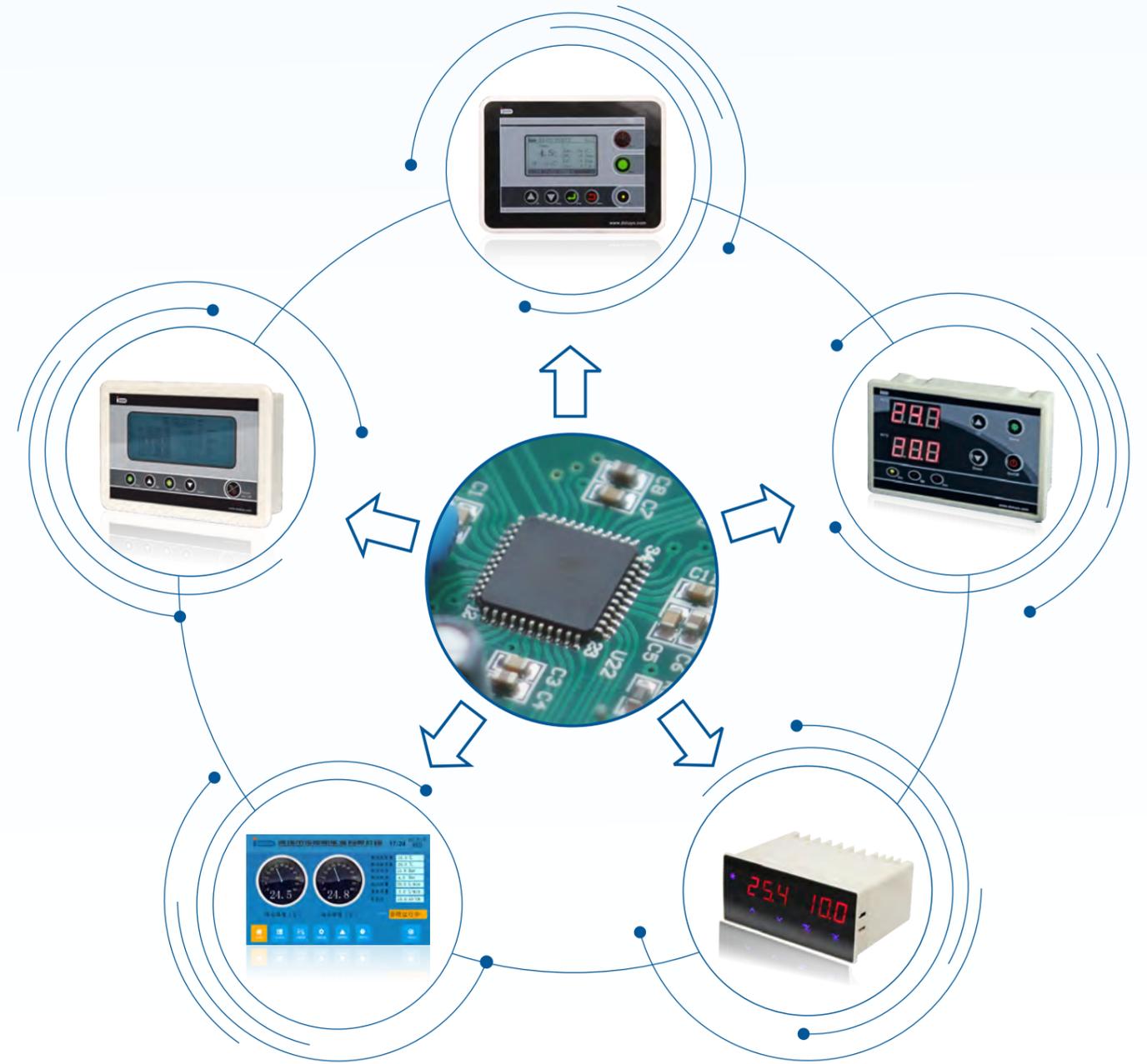
智能控制 → 来自强悍的“芯”  
Powerful Core-Intelligent Control System



触摸技术  
Touch controlling technology

智能模块控制  
Intelligent module control

自定PID控制  
Self-tuning control



集中控制  
Centralized control

模糊控制  
Fuzzy control

远程管理  
Remote control

## 型号解释

### TYPE CODE EXPLANATION

D IC 010 A S H - L C 2 - A A A - C 01  
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬

- ① 产品品牌-D:东露阳产品  
Brand: D:Doluyo products
- ② 产品系列代号-IC:工业冷却机  
Product family: IC: Industrail chiller
- ③ 能力代号-010、020、030、050.....300  
Code for cooling capability
- ④ 散热特性-A:风冷式 W:水冷式  
Cooling type: A:Air cooled W:Water cooled
- ⑤ 冷水机特性-D:双温双控 S:普通单温型 B:单温型高精度  
Chiller type: D: Dual temp. & control, S: Single temp. , B: High precision single temp.
- ⑥ 水泵特性-L:低扬程水泵 H:高扬程水泵 S:超高扬程水泵 N:无水泵  
Type of pump :L: Low-lift pump H:High-lift pump S: Superhigh-lift pump N: No pump
- ⑦ 应用代号-L:激光冷水机  
Application code -L: Industrail chiller
- ⑧ 产品款式-A:第一代产品 B:第二代产品 .....  
Product generation: A: First generation B: Second generation
- ⑨ 制冷剂代号-1:R134a 2:R22 3:R404 4:R407C 5:R410A 6:R507C  
Code for refrigerant
- ⑩ 电源特性(Power supply) :  
A: 1PH-220V@50HZ F: 3PH-380V@50HZ G: 3PH-380V@60HZ  
K: 1PH-208~230V@60HZ N: 1PH-115V@60HZ P: 3PH-208~230V@60HZ
- ⑪ 产品规格变化的具体描述-AA、AB、AC.....  
Description of the changes in products
- ⑫ 销售区域代码-C: 内销, O: 海外市场  
Sales area: C: Domestic market, O: Overseas market
- ⑬ 非标变更代号-01、02、03.....  
Code for customized products

## 应用领域 /Applications

- ◆ 激光焊接机, 激光划线机;  
Laser welding machine, laser ruling machine
- ◆ 激光打标机, 激光切割机, 激光打孔机;  
Laser marker, laser cutting machine, laser puncher
- ◆ 激光熔覆、淬火、修复、清洗、影视、3D打印;  
Laser cladding, laser quenching, laser repair, laser cleaning, laser movie, laser 3D printing
- ◆ 其它以半导体、CO<sub>2</sub>、YAG、光纤激光工作物质的激光加工设备。  
Other laser processing equipment using semiconductor, CO<sub>2</sub>, YAG, and optical fiber as laser working medium



AIR COOLED-- UV/ULTRAFAST LASER CHILLER

风冷式—紫外/超快激光器冷水机

紫外/超快激光器冷水机  
UV/Ultrafast Laser Chillers



应用范围 / Applications

- 适用于3W~30W紫外及10W~100W超快激光器，制冷量为600W~5200W。
- Applicable to 3W ~ 30W UV and 10W ~ 100W ultrafast laser, cooling capacity is 600W ~ 5200W.

特点及功能 / Features and Functions

- 设计精巧、安装、维护简便；
  - 优质品牌制冷元器件，具有持久稳定的制冷效果；
  - 自动恒温功能，控制精度有 $\pm 0.2^{\circ}\text{C} \sim \pm 0.3^{\circ}\text{C}$ ；
  - 配备多种报警保护功能并提供无源信号输出；
  - 自主研发生产中英双语智能温控器，多种设定和故障提示功能，操作简单方便。
- ◆ Compact design, installation, easy maintenance;
  - ◆ High-quality brand refrigeration components, with a lasting and stable cooling effect;
  - ◆ Automatic temperature function, control accuracy of  $\pm 0.2^{\circ}\text{C} \sim 0.3^{\circ}\text{C}$ ;
  - ◆ Equipped with a variety of alarm protection and provide passive signal output;
  - ◆ Independent research and development production of bilingual intelligent thermostat, a variety of settings and fault prompt function, easy to operate.

紫外/超快激光器冷水机技术参数  
Technical Parameters for UV/Ultrafast Laser Chillers

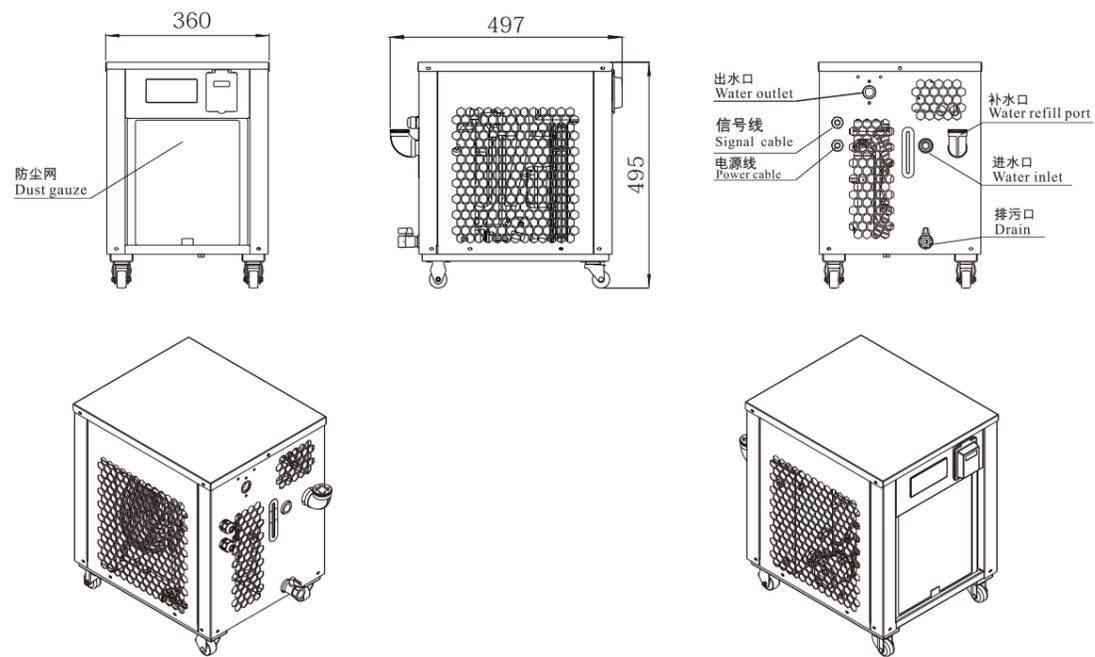
机器型号 Model		DIC002ASH-LC1 -ACB-C	DIC004ASH-LC5 -ACB-C	DIC006ASH-LC5 -ACB-C	DIC010ASH-LC5 -ACB-C	DIC020ASH-LC5 -ACB-C	
名义制冷量 Nominal Cooling Capacity	W	600	1200	1600	2700	5200	
电源 Power Supply		220V~/50Hz					
整机最大功率 Max Input Power	W	740	1018	1490	1880	2780	
整机最大电流 Max Current	A	3.3	4.6	6.7	8.5	12.6	
电加热功率 Electric Heater Power	W	300	300	500	500	500	
水泵 Pump	额定扬程 Rated Lift	m	18	18	26	26	26
	额定流量 Rated Flow	L/min	10	10	32	32	32
水箱容积 Water Tank Volume	L	3	3	12	14.5	14.5	
进出水接口 Water Inlet&Outlet	inch	4分外牙转 $\Phi 12\text{mm}$ 快插 Rc1/2" external thread convert to $\Phi 12\text{mm}$ quick connector					
流量保护 Flow protection		断开 ( Disconnect flow): $\leq 1.5\text{L}/\text{min}$					
使用范围 Operation Range	环境温度 Ambient Temp.	$^{\circ}\text{C}$	$\leq 40$				
	冷水温度 Water Temp.	$^{\circ}\text{C}$	8~30				
控温精度 Temp.Stability	$^{\circ}\text{C}$	$\pm 0.2 \sim \pm 0.3$					
机器净重 Net Weight	kg	25	28	45	55	66	
外形尺寸 L×W×H Unit Dimensions	mm	360×497×495		433×600×764	470×657×900		
包装尺寸 L×W×H Packing Dimensions	mm	440×550×670		520×660×930	585×680×1090		

注：  
1.以上技术参数基于环境温度 $30^{\circ}\text{C}$ ，出水温度为 $22^{\circ}\text{C}$ ；  
Note:  
1.Nominal Condition: ambient temperature  $30^{\circ}\text{C}$ , out put water temperature  $22^{\circ}\text{C}$ .

紫外/超快激光器冷水机外形尺寸图  
UV/Ultra-fast Laser Chiller Dimensions

Model: DIC002ASH-LC1-ACB-C; DIC004ASH-LC5-ACB-C

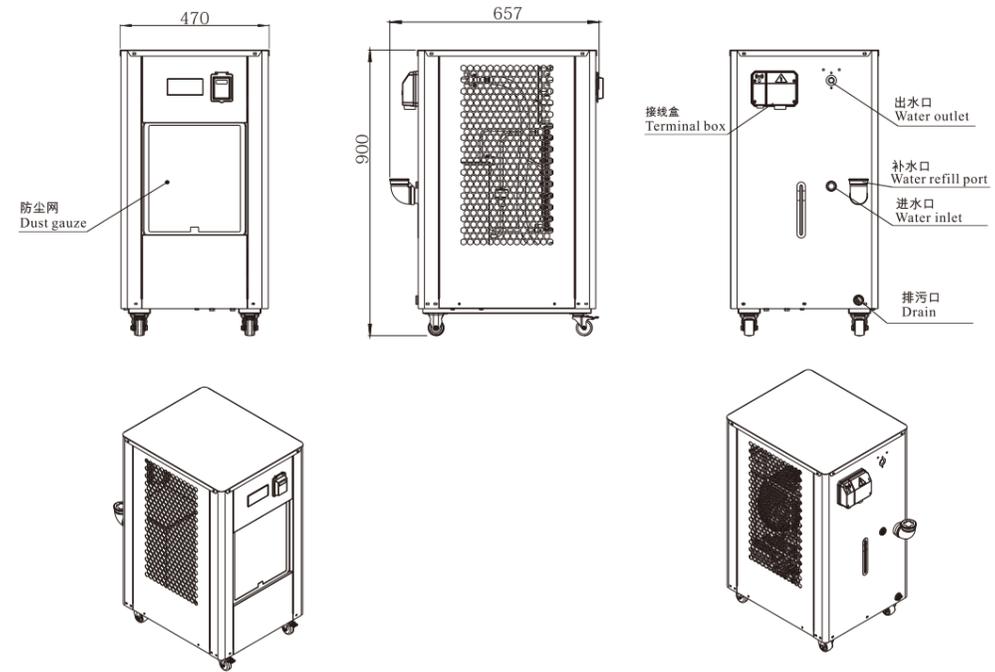
单位(unit) : mm



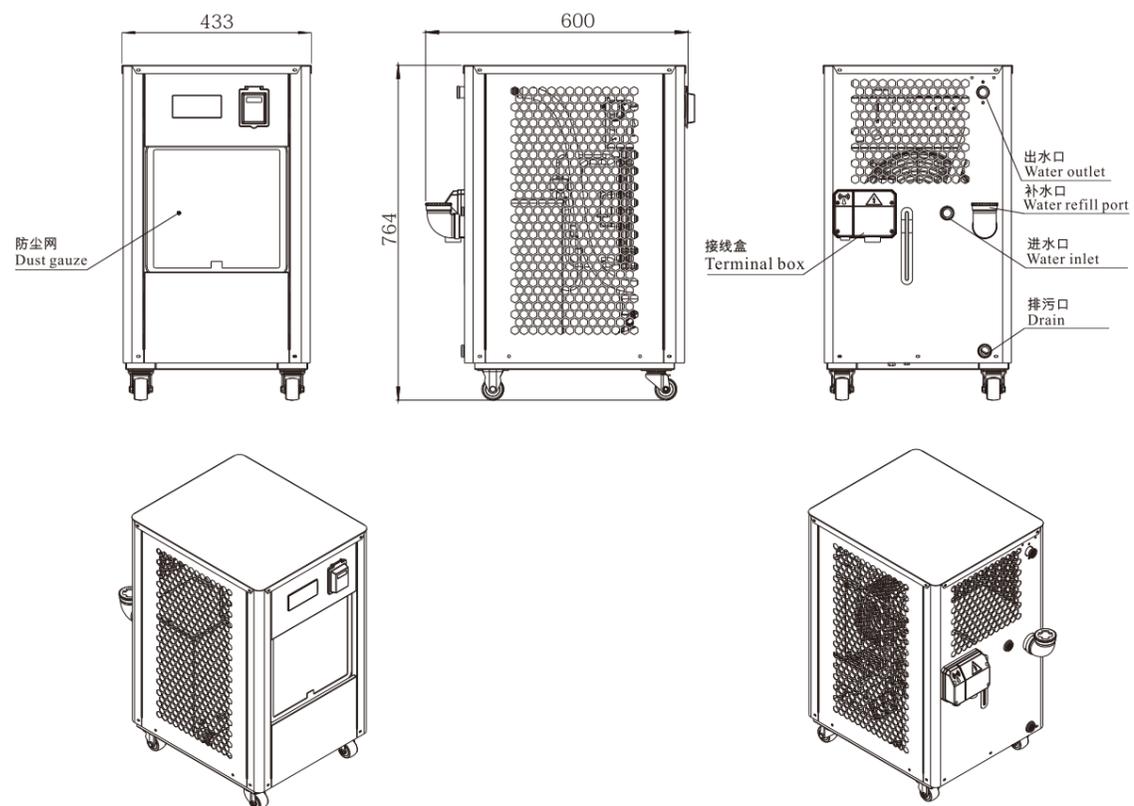
紫外/超快激光器冷水机外形尺寸图  
UV/Ultra-fast Laser Chiller Dimensions

Model: DIC010ASH-LC5-ACB-C

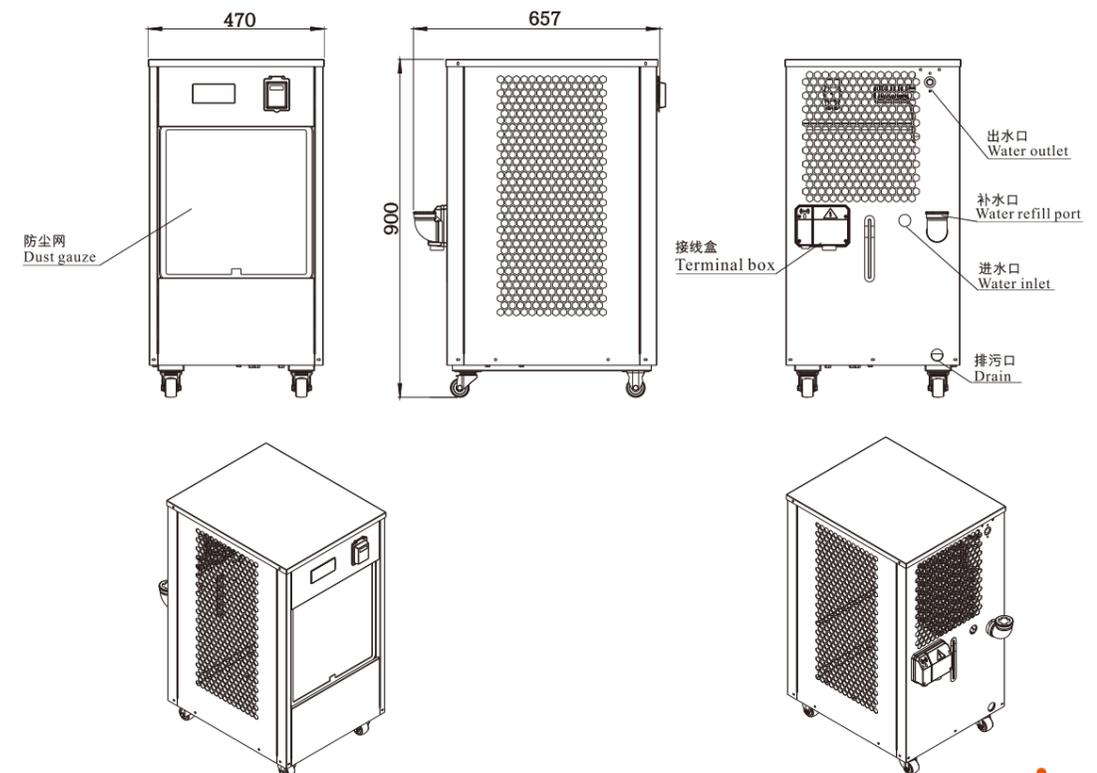
单位(unit) : mm



Model: DIC006ASH-LC5-ACB-C



Model: DIC020ASH-LC5-ACB-C



## AIR COOLED-- UV/ULTRAFAST LASER CHILLER

### 风冷式—紫外/超快激光器冷水机

#### 1、超快激光器冷水机型号命名规则

Type Code Explanation for Ultrafast Laser Chillers

$\frac{D}{①} \frac{UF}{②} \frac{20}{③} \frac{HA}{④⑤} - \frac{01}{⑥}$

- ①东露阳公司产品  
Brand: Doluyo products
- ②UF: 超快激光器  
UF: Ultrafast laser
- ③能力代号 Code for cooling capability  
20代表适配20W的超快激光器  
20 indicates matching 20W of ultrafast laser
- ④水泵特性:H:高扬程, S:超高扬程  
Type of water pump: H: High-lift pump, S: Super high-lift pump
- ⑤电源特性 Power supply type  
A - 220V ~ 240V/1Ph/50Hz; K - 208V ~ 230V/1Ph/60Hz
- ⑥非标变更代号 Code for customized products: 1、02、03、.....

#### 2、紫外激光器冷水机型号命名规则

Type Code Explanation for UV Laser Chillers

$\frac{D}{①} \frac{UV}{②} \frac{05}{③} \frac{LA}{④⑤} - \frac{01}{⑥}$

- ①东露阳公司产品  
Brand: Doluyo product
- ②UV: 紫外激光器  
UV: Ultraviolet laser
- ③能力代号Code for cooling capability  
05代表适配5W的紫外激光器  
05 indicates matching 5W of UV laser
- ④水泵特性:L:低扬程, H:高扬程  
Type of water pump: L: low-lift pump, H: high-lift pump
- ⑤电源特性Power supply type  
A - 220V ~ 240V/1Ph/50Hz; K - 208V ~ 230V/1Ph/60Hz
- ⑥非标变更代号 Code for customized products: 1、02、03、.....

## 紫外/超快激光器冷水机 UV/Ultrafast Laser Chillers



### 应用范围 / Applications

- 适用于3W~30W紫外及10W~50W皮秒/超快激光器, 制冷量为600W~1500W.
- ◆Applicable to 3W ~ 30W UV and 10W ~ 50W picosecond / ultrafast laser, cooling capacity is 600W ~ 1500W.

### 特点及功能 / Features and Functions

- 精度高, 流量大, 控温准;
  - 设计精巧、安装、维护简便;
  - 优质品牌制冷元器件, 具有持久稳定的制冷效果;
  - 自动恒温功能, 控制精度有 $\pm 0.1^{\circ}\text{C} \sim 0.5^{\circ}\text{C}$ ;
  - 配备多种报警保护功能并提供无源信号输出;
  - 自主研发生产数码温控器, 多种设定和故障提示功能, 操作简单方便。
- 
- ◆ High precision, high flow rate and accurate temperature control;
  - ◆ Compact design, installation, easy maintenance;
  - ◆ High-quality brand refrigeration components, with a lasting and stable cooling effect;
  - ◆ Automatic constant temperature function, control precision of  $\pm 0.1^{\circ}\text{C} \sim \pm 0.5^{\circ}\text{C}$ ;
  - ◆ Equipped with a variety of alarm protection and provide passive signal output;
  - ◆ Self-developed and produced digital temperature controllers, variety of settings and fault indication functions, easy to operate.

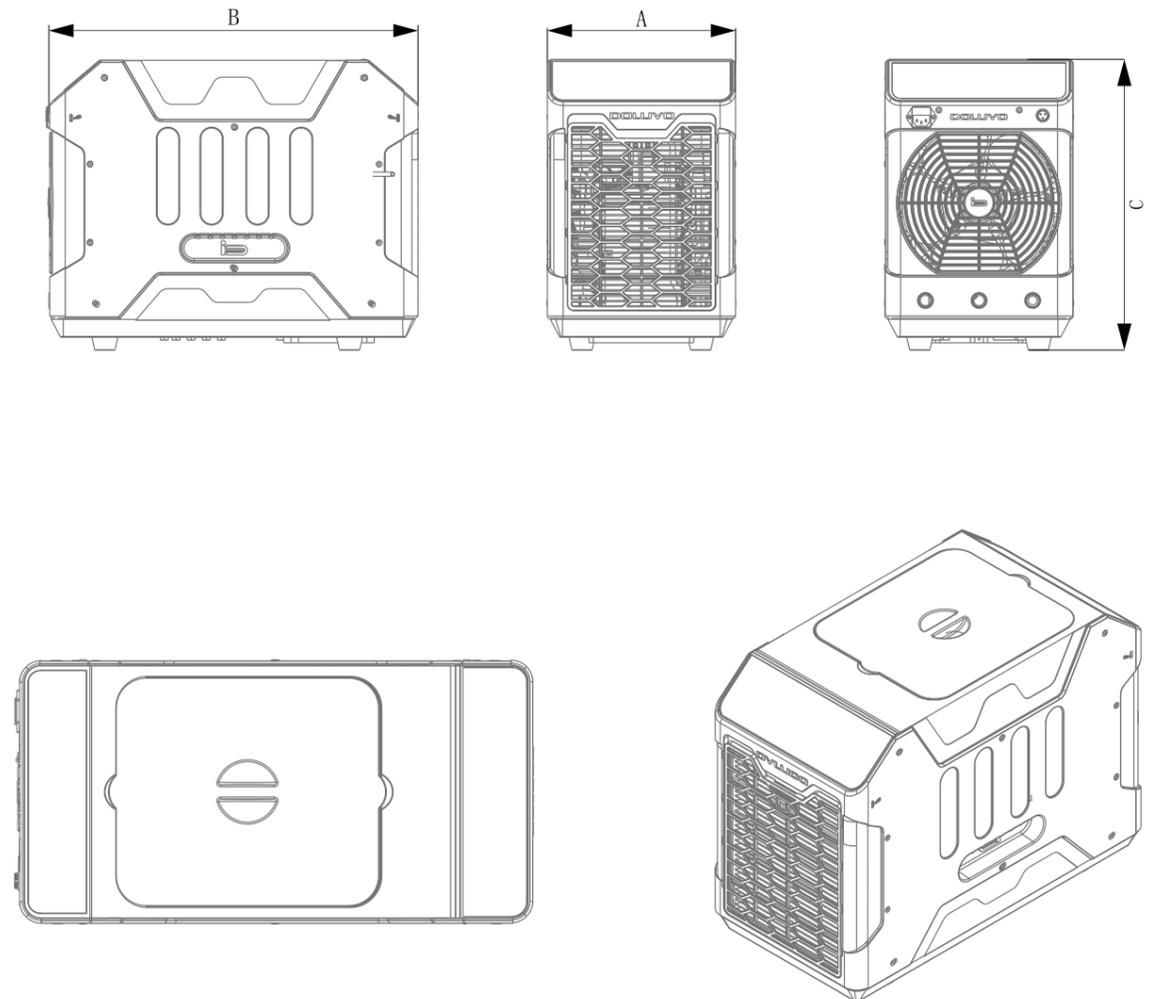
紫外/超快激光器冷水机技术参数  
Technical Parameters for UV/Ultrafast Laser Chillers

机器型号 Model		DUV05LA	DUV10HA	DUV15HA	DUF20HA	DUF30SA	
建议匹配激光器 Suggested Matching Laser		3W~5W	10W~20W	20W~30W	20W~30W	30W~50W	
名义制冷量 Nominal Cooling Capacity		W	600	1000	1500	1000	1500
电源 Power Supply		220V~/50Hz					
整机最大功率 Max Input Power		W	850	1018	1038	1018	1085
整机最大电流 Max Current		A	3.86	4.6	4.7	4.6	4.9
电加热功率 Electric Heater Power		W	500				
水泵 Pump	额定扬程 Rated Lift	m	8	18	18	18	30
	额定流量 Rated Flow	L/min	6	10	10	10	12.5
水箱容积 Water Tank Volume		L	7				
进出水接口 Water Inlet & Outlet		4分外牙转Φ10mm 快速接头 Rc1/2" external thread convert to Φ10mm quick connector		4分外牙转Φ12mm 快速接头 Rc1/2" external thread convert to Φ12mm quick connector			
流量保护 Flow Protect		断开(Disconnect Flow)≤1.0L/min					
使用范围 Operation Range	环境温度 Ambient Temp.	°C	≤40				
	冷水温度 Water Temp.	°C	8~30				
控温精度 Temp.Stability		°C	±0.3~±0.5		±0.1		
机器净重 Net Weight		kg	19	19.5	20	19.5	20
外形尺寸 L×W×H Unit Dimensions		mm	280×550×432				
包装尺寸 L×W×H Packing Dimensions		mm	390×640×484				

注:  
1.以上技术参数基于环境温度30°C, 出水温度为22°C;  
Note:  
1.Nominal Condition: ambient temperature 30°C, out put water temperature 22°C.

紫外/超快激光器冷水机外形尺寸图  
UV/Ultra-fast Laser Chiller Dimensions

Model: DUV05LA DUV10HA DUV15HA DUF20HA DUF30SA



型号 (Model)	A	B	C
DUV05LA	280	550	432
DUV10HA			
DUV15HA			
DUF20HA			
DUF30SA			

## AIR COOLED-- ULTRAFAST HIGH PRECISION CHILLER

### 风冷式—超快高精度冷水机

## 超快高精度冷水机 Ultra-fast and High-precision Water Chiller



### 应用范围 / Applications

- 适用于超快激光器，以及需冷却的各类精密加工设备，制冷量从0.6kW至5.2kW。
- ◆ Suitable for ultrafast lasers, and various precision processing equipment that require cooling, cooling capacity could be from 0.6kW to 5.2kW.

### 特点及功能 / Features and Functions

- 优质品牌制冷元件，具备风机调速及电子膨胀阀能量调节功能；
  - 带有RS485通信功能，可通过PC端实现对机器的远程监控；
  - 配备高、低温和高、低压双重保护，智能防冰冻保护功能；
  - 带流量显示功能，流量报警值可以根据客户要求自行设定；
  - 提供无源开关信号给客户设备连接，保护设备；
  - 自主研发生产中英双语智能温控器，多种设定和故障提示功能，操作简单方便。
- 
- ◆ All refrigeration components are top brand in the industry, fan speed adjustable, electric expansion valve for energy regulating.
  - ◆ With RS485 communication function, could be remotely monitored through PC.
  - ◆ Equipped with high and low temperature, high and low pressure protection, intelligent anti-frozen.
  - ◆ With water flow displaying function, the water flow alarm value can be set according to the user's requirement.
  - ◆ In order to protect the equipment, passive switch signal can provided for the customer equipment connecting.
  - ◆ Independently developed and produced bilingual intelligent temperature controller, multiple setting and fault alarm function, simple and easy to operate.

## 超快高精度冷水机技术参数

### Technical Parameters of Ultra-fast and High-precision Water Chiller

机器型号 Model		DIC002ABS-LC1 -ACB-C	DIC004ABS-LC5 -ACB-C	DIC006ABS-LC5 -ACB-C	DIC010ABS-LC5 -ACB-C	DIC012ABS-LC5 -ACB-C	DIC020ABS-LC5 -ACB-C
名义制冷量 Nominal Cooling Capacity	W	600	1200	1600	2700	3200	5200
电源 Power Supply		220V~/50Hz					
整机最大功率 Max Input Power	W	830	1110	1630	2007	2207	3015
整机最大电流 Max Current	A	3.7	5	7.4	9.1	10	13.7
电加热功率 Electric Heater Power	W	300		500			
水泵 Pump	额定扬程 Rated Lift	m		30			
	额定流量 Rated Flow	L/min		12.5			
水箱容积 Water Tank Volume	L	3		12		14.5	
进出水接口 Water Inlet&Outlet	inch	4分外牙转Φ12mm快插 Rc1/2" external thread convert to Φ12mm quick connector					
流量保护 Flow protection		断开 ( Disconnect flow): ≤1.5L/min					
使用范围 Operation Range	环境温度 Ambient Temp.	℃					
	冷水温度 Water Temp.	℃					
控温精度 Temp.Stability	℃	± 0.1					
机器净重 Net Weight	kg	25	28	45	55	60	66
外形尺寸 L×W×H Unit Dimensions	mm	360×497×495		433×600×764		470×657×900	
包装尺寸 L×W×H Packing Dimensions	mm	440×645×670		520×660×930		580×767×1082	

注: (Note:)

1.名义工况参数:环境温度30℃, 出水温度为22℃;

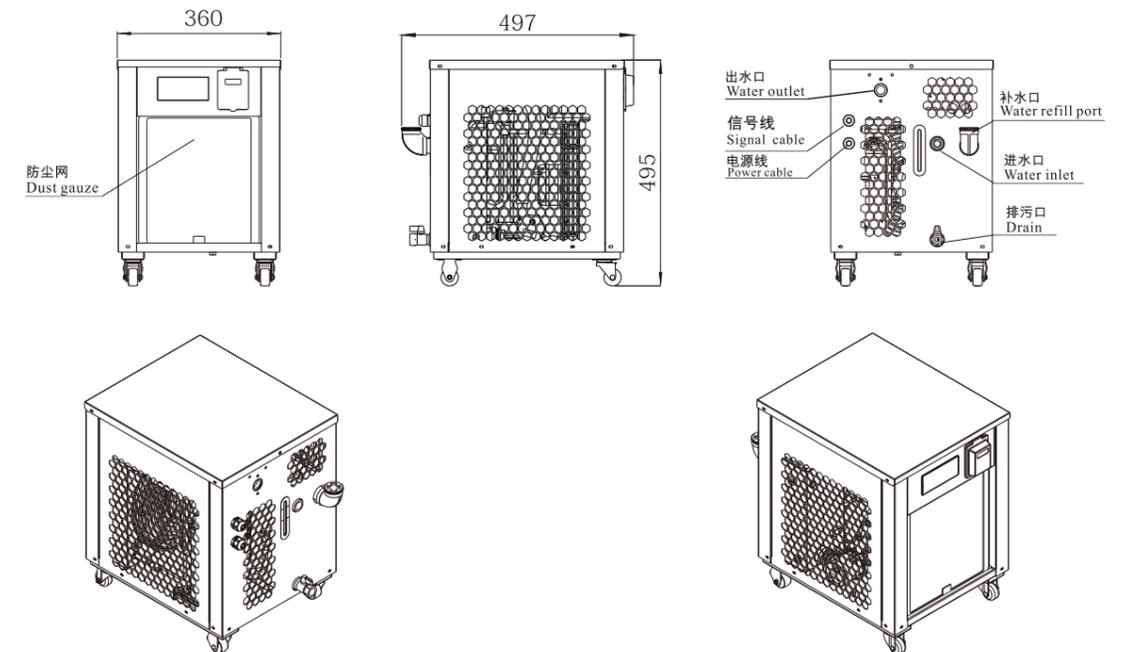
1.Nominal Condition: ambient temperature 30℃, out put water temperature 22℃;

## 超快高精度冷水机外形尺寸图

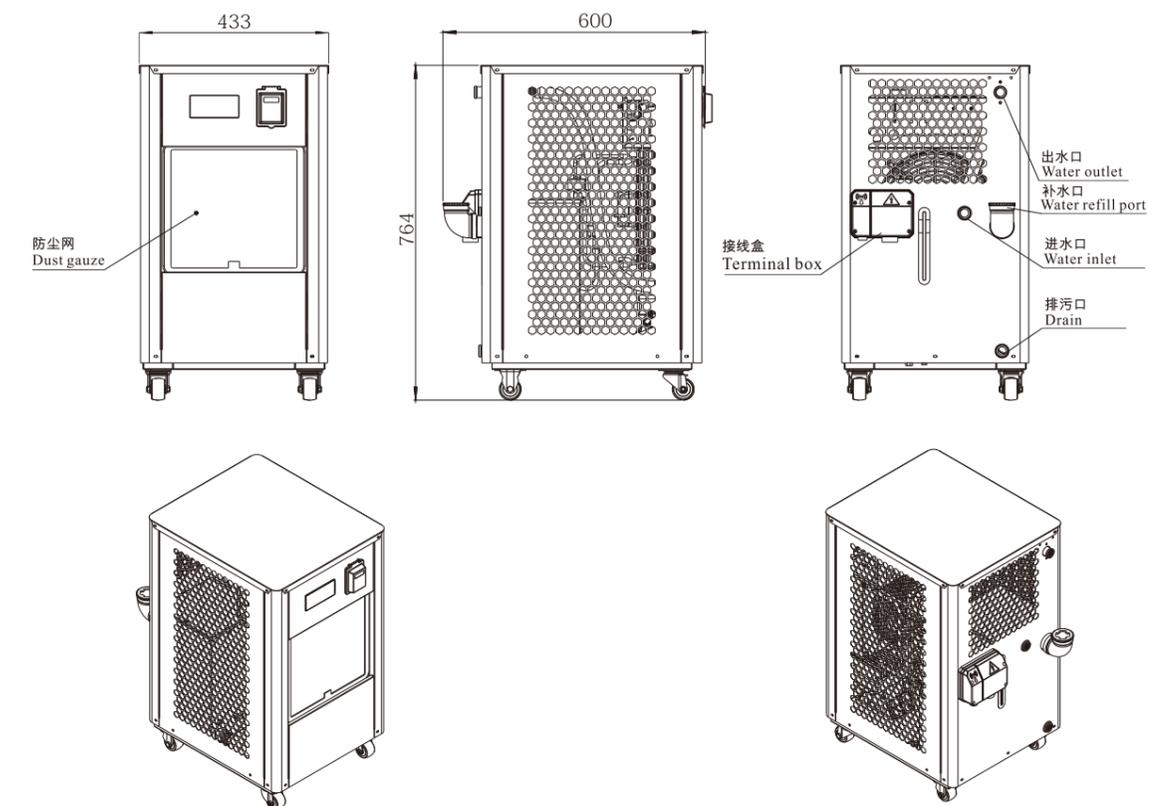
### Outline Dimension Diagram of Ultra-fast and High-precision Water Chiller

Model: DIC002ABS-LC1-ACB-C; DIC004ABS-LC5-ACB-C

单位(unit): mm



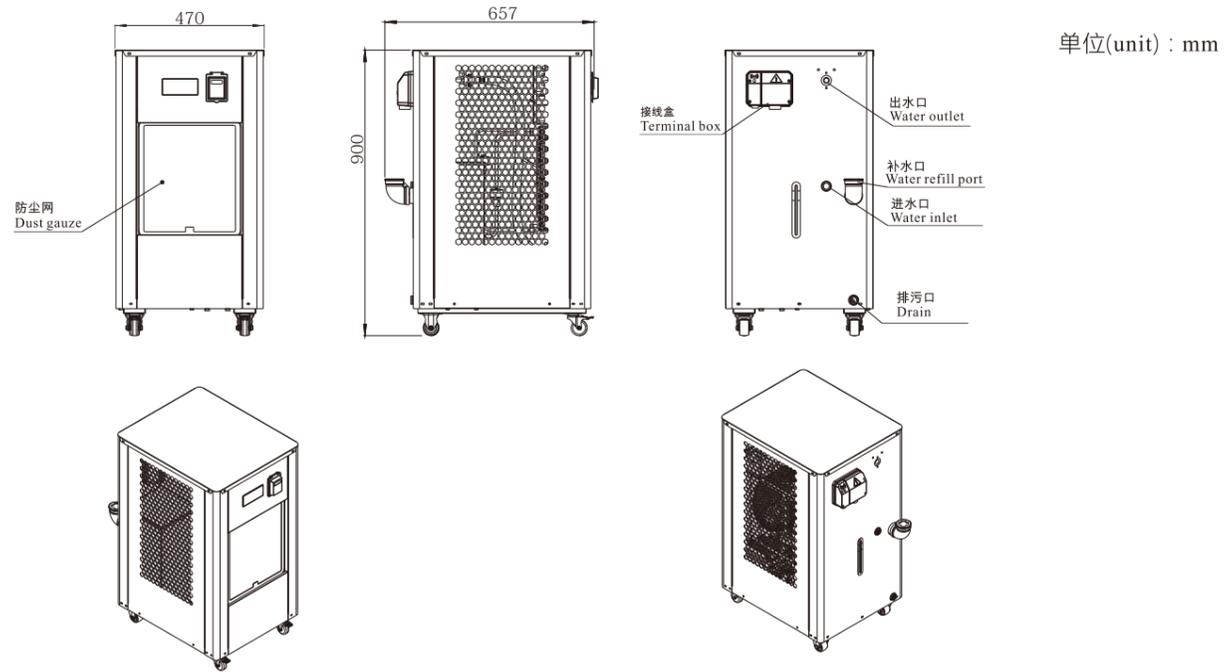
Model: DIC006ABS-LC5-ACB-C



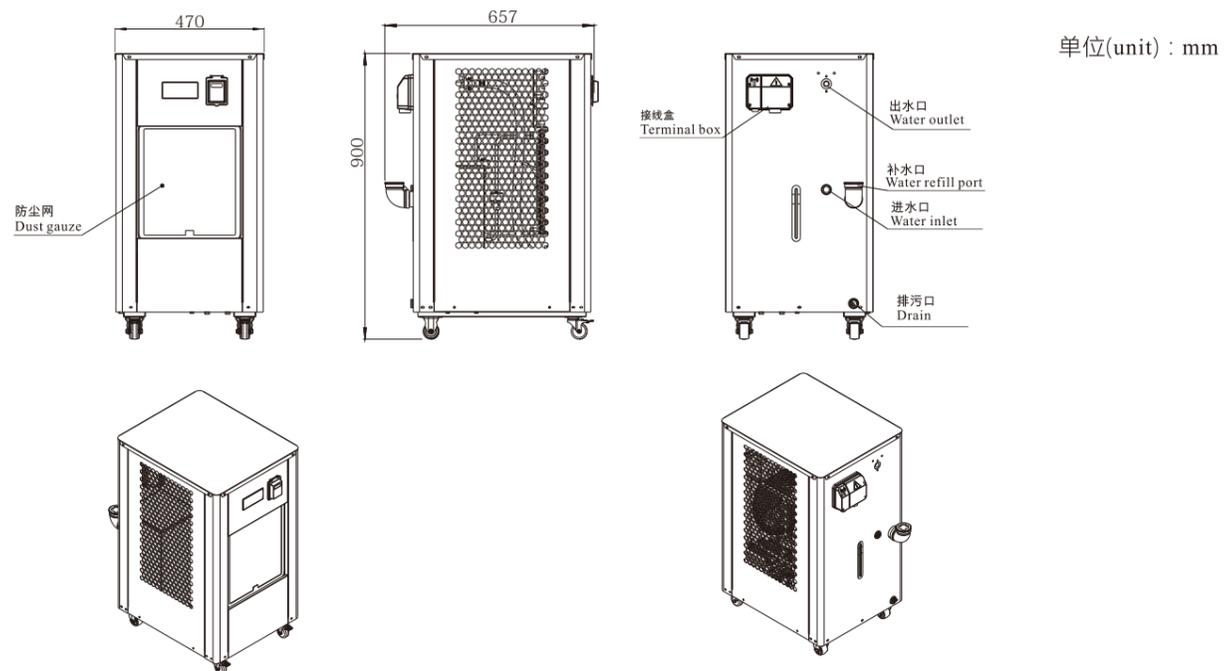
超快高精度冷水机外形尺寸图

Outline Dimension Diagram of Ultra-fast and High-precision Water Chiller

Model: DIC010ABS-LC5-ACB-C



Model: DIC012ABS-LC5-ACB-C

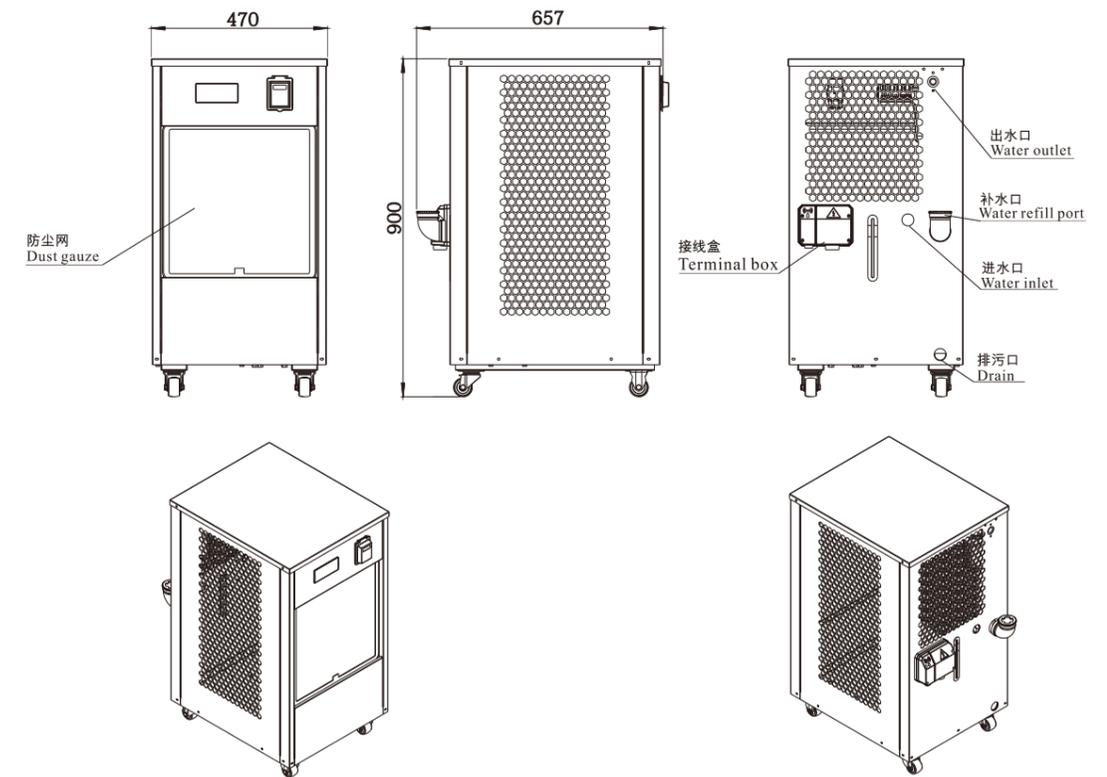


超快高精度冷水机外形尺寸图

Outline Dimension Diagram of Ultra-fast and High-precision Water Chiller

Model: DIC020ABS-LC5-ACB-C

单位(unit) : mm



## Air Cooled-- Dual-Temperature Dual-Control Chiller for Fiber Lasers

### 风冷式—光纤激光器双温双控冷水机

#### 型号命名规则

##### TYPE CODE EXPLANATION

D L Y 2 0 0 0 A D H - L D 2 - A A A - C - 0 1  
① ② ③④⑤ ⑥⑦⑧ ⑨ ⑩ ⑪ ⑫

- ① 东露阳公司产品  
Doluyo products
- ② 能力代号：2000代表适配2000W的光纤激光器  
Capability code: 2000 means matching for 2kW fiber laser
- ③ 散热特性：A:风冷式；W: 水冷式  
Heat sinking: A:air cooled W:Water cooled
- ④ 冷水机特性：D: 双温；S: 单温  
Chiller characteristic: D: Dual temperatures, S: Single temperature
- ⑤ 水泵特性：L低扬程, H高扬程, S超高扬程, N无水泵  
Water pump characteristic: L: low-lift pump, H: high-lift pump, S: super high-lift pump N: no pump
- ⑥ 应用代号：L: 激光冷水机  
Application code: L: water chillers for laser machine
- ⑦ 产品款式：A: 第一代产品、B: 第二代产品.....  
Product generation: A: first generation, B: second generation
- ⑧ 制冷剂代号 Code for refrigerant: 1: R134a; 2: R22; 3: R404A;  
4: R407C; 5: R410A; .....
- ⑨ 电源特性 Power supply:  
A-1PH-220V~240V@50HZ  
F-3PH-380~415V@50HZ  
G-3PH-380V@60HZ  
K-1PH-208V~230V@60HZ  
N-1PH-115V@60HZ  
P-3PH-208~230V@60HZ
- ⑩ 产品规格变化的具体描述 Description of the changes in products: AA, AB, AC ..... ZZ
- ⑪ 销售地域的标志：C: 内销；O: 外销；  
Sales area: C: Domestic market, O: Overseas market
- ⑫ 非标变更代号 Code for customized requirements: 01、02、03、.....

## 光纤激光器双温双控冷水机

### Fiber Laser Dual Temperature And Dual Control Chiller



#### 应用范围 / Applications

- 适用于500W ~ 30000W的光纤激光器，制冷量从2.7kW至70kW。
- Suitable for 500W ~ 30000W Fiber laser, cooling capacity from 2.7kW to 70kW.

#### 特点及功能 / Features and Functions

- 优质品牌制冷元器件，具备风机调速及电子膨胀阀能量调节功能，控温精度可达到 $\pm 0.2^{\circ}\text{C} \sim \pm 0.5^{\circ}\text{C}$ ；
  - 带有RS485通信功能，可通过PC端实现对机器的远程监控；
  - 配备高、低温和高、低压双重保护，智能防冰冻保护功能；
  - 带流量显示功能，流量报警值可以根据客户要求自行设定；
  - 双水温设计：带自动恒温功能，两种设定温度，可分别设定不同要求的温度，双信号输出保护功能；在满足激光器的冷却需求的同时，又提供一路与环境温度相近的水温满足激光输出端的冷却需求；
  - 纯水过滤保护装置，保证设备运行安全。
- 
- ◆ All refrigeration components are top brand in the industry, fan speed adjustable, electric expansion valve for energy regulating. Control precision:  $\pm 0.2^{\circ}\text{C} \sim \pm 0.5^{\circ}\text{C}$ .
  - ◆ With RS485 communication function, could be remotely monitored through PC.
  - ◆ Equipped with high and low temperature, high and low pressure protection, intelligent anti-frozen.
  - ◆ With water flow displaying function, the water flow alarm value can be set according to the user's requirement.
  - ◆ Dual water temperature design: constant temperature keeping automatically, two sets of temperature setting, can set different temperature separately, double signals output; The chiller not only satisfying the cooling demand of the laser generator, but also supplying one cycle of cool water which is close to the ambient temperature to cool the laser outlet connections (like the QBH connector).
  - ◆ Pure water Filtration protection device to ensure the safety of the equipment.

## 光纤激光器双温双控冷水机技术参数

### Technical Parameters for Fiber Laser Dual Temperature And Dual Control Chillers

机器型号 Model		DLY1000ADH -LE5-AAA-C	DLY2000ADH -LE5-AAA-C	DLY3000ADH -LE5-AAA-C	DLY4000ADH -LE5-FAA-C	DLY5000ADH -LE2-FBA-C	DLY6000ADH -LE5-FAA-C
建议匹配激光器 Suggested Matching Laser		1000W~1500W	1500W~2000W	3000W	4000W	5000W	6000W
名义制冷量 Nominal Cooling Capacity	W	2700	5200	7300	10800	15000	17000
电源 Power Supply		220V~/50Hz			380V/3N~/50Hz		
整机最大功率 Max Input Power	W	3001	2900	4170	5155	6900	9105
整机最大电流 Max Current	A	13.6	13.1	18.9	9.2	12.3	17.3
电加热功率 Electric Heater Power	W	500			1000		2000
水泵额定扬程 Rated Pump Lift	m	33		38	47.5		
冷冻水额定流量 Chilled Water Rated Flow	L/min	33			66		
常温水额定流量 Normal Temp. Water Rated Flow		2					33
冷冻水进出水接口 Chilled Water Inlet & Outlet		4分外牙转Φ12mm快速接头 Rc1/2"external thread convert to Φ12mmquick connector				1寸外牙转Φ25mm宝塔 (Barbed connector)	
常温水进出水接口 Normal Temp. Water Inlet & Outlet		4分外牙转Φ10mm快速接头 Rc1/2"external thread convert to Φ10mmquick connector					
水箱容积 Water Tank Volume	L	10	15	24	38	50	80
流量保护 Flow Protect		≤2.0L/min断开(Disconnect)			≤6.0L/min断开(Disconnect)		冻水(Chilled water): ≤8.0L/min断开 (Disconnect) 常温水(NT. water): ≤2.0L/min断开
使用范围 Operation Range	环境温度 Ambient Temp.	℃ ≤40					
	冷水温度 Water Temp.	℃ 8~30					
控温精度 Temp.Stability	℃	冻水(Chilled water)±0.3~±0.5, 常温水(NT. water)±1~±2					
机器净重 Net Weight	kg	65	90	120	172	160	310
外形尺寸 L×W×H Unit Dimensions	mm	600×465×915	626×526×1084	660×580×1150	610×800×1430	620×860×1450	690×1530×1545
包装尺寸 L×W×H Packing Dimensions	mm	632×542×1052	809×620×1143	685×650×1200	720×1070×1602	890×970×1622	810×1660×1702

注: 名义工况参数: 环境温度30℃, 出水温度为22℃;

Note: Nominal Condition: ambient temperature 30℃, output water temperature 22℃.

## 光纤激光器双温双控冷水机技术参数

### Technical Parameters for Fiber Laser Dual Temperature And Dual Control Chillers

机器型号 Model		DLY8000ADH -LD2-AAA-C	DLY12000ADH -LD2-FAA-C	DLY15000ADH -LD2-FAA-C	DLY20000ADH -LD2-FAA-C	DLY30000ADH -LA2-FAA-C
建议匹配激光器 Suggested Matching Laser		8000W~10000W	12000W	15000W	20000W	30000W
名义制冷量 Nominal Cooling Capacity	W	23000	29000	36000	46000	70000
电源 Power Supply		380V/3N~/50Hz				
整机最大功率 Max Input Power	W	11370	15750	16590	20015	31610
整机最大电流 Max Current	A	20.3	28.1	29.6	35.7	60.06
电加热功率 Electric Heater Power	W	2000				4000
水泵额定扬程 Rated Pump Lift	m	38	38	38	38	46
常温水额定流量 Normal Temp. Water Rated Flow	L/min	33	33	33	33	33
冷冻水额定流量 Chilled Water Rated Flow	L/min	133	200	200	200	250
冷冻水进出水接口 Chilled Water Inlet & Outlet		1寸外牙转Φ32mm宝塔 Rc1"external thread convert to Φ32mmBarbed connector			2寸外牙转Φ32mm宝塔 Rc1"external thread convert to Φ32mm Barbed connector	
常温水进出水接口 Normal Temp. Water Inlet & Outlet		4分外牙转Φ10mm快速接头 Rc1/2"external thread convert to Φ10mmquick connector				4分外牙转Φ19mm宝塔 Rc1/2"external thread convert to Φ19mm Barbed connector
水箱容积 Water Tank Volume	L	140	130	130	500	500
流量保护 Flow Protect		≤6.0L/min断开 (Disconnect)	≤8.0L/min断开 (Disconnect)		冻水(Chilled water)≤8.0L/min断开 (Disconnect) 常温水(NT. water)≤2.0L/min断开 (Disconnect)	
使用范围 Operation Range	环境温度 Ambient Temp.	℃ ≤40				
	冷水温度 Water Temp.	℃ 8~30				
控温精度 Temp.Stability	℃	冻水(Chilled water)±0.5~±1 常温水(NT. water)±1~±2				
机器净重 Net Weight	kg	380	500	545	920	980
外形尺寸 L×W×H Unit Dimensions	mm	800×1800×1835	850×1980×1972		1000×2450×2045	
包装尺寸 L×W×H Packing Dimensions	mm	974×1910×2007	1020×2060×2172		1170×2530×2245	

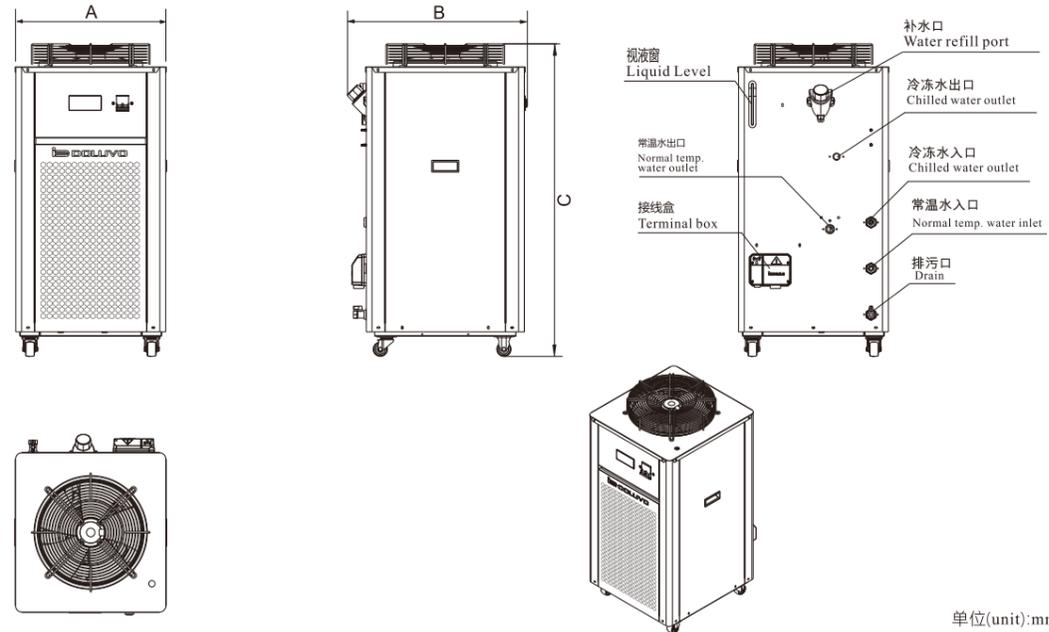
注: 名义工况参数: 环境温度30℃, 出水温度为22℃;

Note: Nominal Condition: ambient temperature 30℃, output water temperature 22℃.

## 光纤激光器双温双控冷水机外形尺寸图

Dimensions for Fiber Laser Dual Temperature And Dual Control Chillers

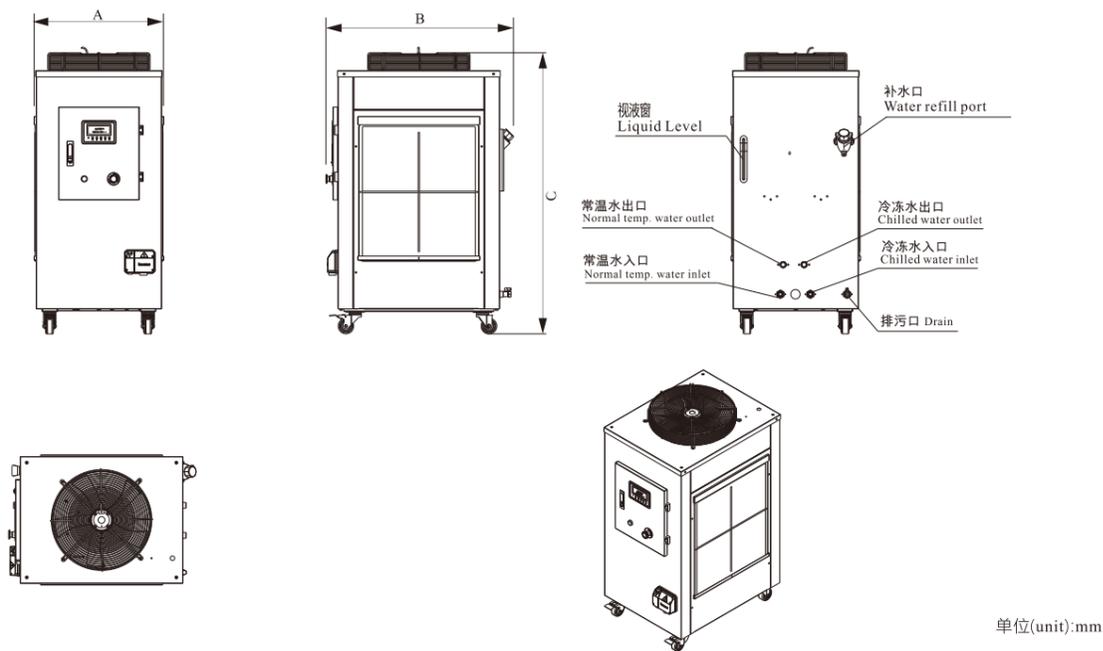
Model:DLY1000/2000/3000ADH-LE2/LE5-AAA-C



型号(Model)	A	B	C
DLY1000ADH-LE2-AAA-C	600	465	915
DLY2000ADH-LE5-AAA-C	626	526	1084
DLY3000ADH-LE5-AAA-C	660	580	1150

单位(unit):mm

Model:DLY4000ADH-LE5-FAA-C



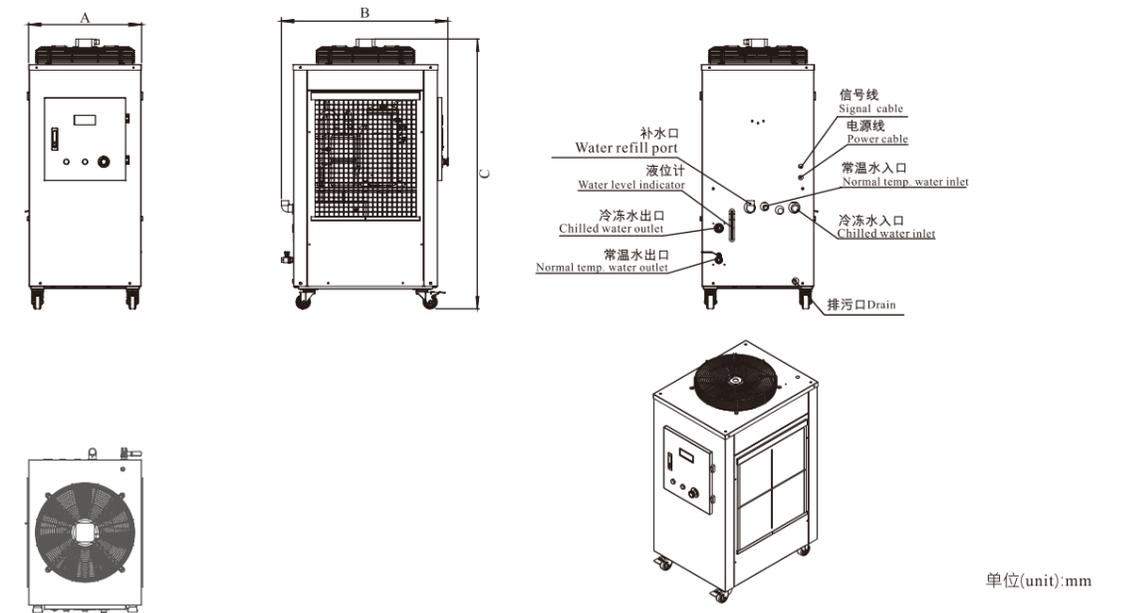
型号(Model)	A	B	C
DLY4000ADH-LE5-FAA-C	618	895	1338

单位(unit):mm

## 光纤激光器双温双控冷水机外形尺寸图

Dimensions for Fiber Laser Dual Temperature And Dual Control Chillers

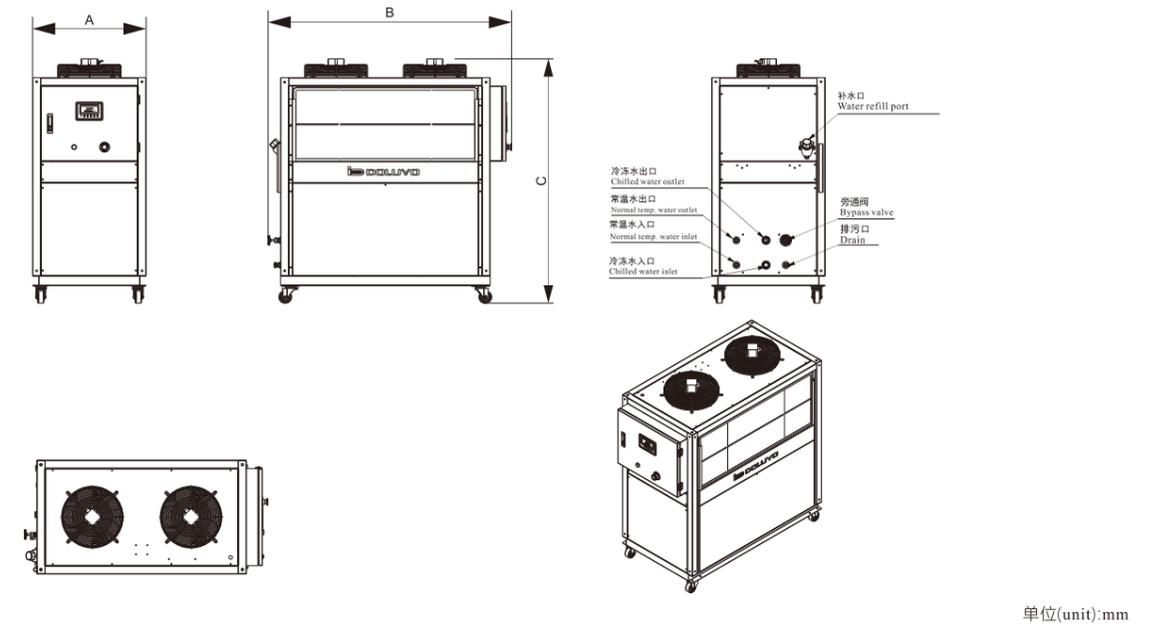
Model:DLY5000ADH-LE2-FBA-C



型号(Model)	A	B	C
DLY5000ADH-LE2-FBA-C	620	860	1450

单位(unit):mm

Model:DLY6000ADH-LE5/DLY8000~30000ADH-LD2/LA2-FAA-C



型号(Model)	A	B	C
DLY6000ADH-LE5-FAA-C	690	1545	1530
DLY8000ADH-LD2-FAA-C	800	1800	1835
DLY12000/15000ADH-LD5-FAA-C	850	1980	1972
DLY20000/30000ADH-LA2-FAA-C	1000	2450	2045

单位(unit):mm

## AIR COOLED-- RACK-MOUNTED CHILLER

### 风冷式—机柜式冷水机

### 机柜式冷水机 Rack-mounted Chiller



### 应用范围 / Applications

- 广泛适用于：3-50W紫外、超快激光器，1000W~2000W光纤激光器。
- 机柜式的冷水机结构紧凑，能巧妙地集成于各类精密整机设备中，广泛应用于激光打标、精密焊接、手持清洗、精密切割等设备。
- ◆ Widely applicable to: 3-50W UV and ultrafast lasers, and 1000W-2000W fiber lasers.
- ◆ The rack-mounted chiller features a compact structure that can be seamlessly integrated into various types of precision equipment. It is widely used in laser marking, precision welding, handheld cleaning, and precision cutting equipment.

### 特点及功能 / Features and Functions

- 设计精巧、安装、维护方便；
- 优质品牌制冷元件，具有持久稳定的制冷效果；
- 自动恒温功能，控制精度有 $\pm 0.1^{\circ}\text{C}$ ~ $0.3^{\circ}\text{C}$ ；
- 配备多种报警保护功能并提供无源信号输出；
- 自主研发生产中英双语智能温控器，多种设定和故障提示功能，操作简单方便。
- ◆ Compact design, installation, easy maintenance;
- ◆ High-quality brand refrigeration components, with a lasting and stable cooling effect;
- ◆ Automatic constant temperature function, control precision of  $\pm 0.1^{\circ}\text{C}$ ~ $\pm 0.3^{\circ}\text{C}$ ;
- ◆ Equipped with a variety of alarm protection and provide passive signal output;
- ◆ Independent research and development production of bilingual intelligent thermostat, a variety of settings and fault prompt function, easy to operate.

## 机柜式冷水机技术参数

### Technical Parameters of Rack-mounted Chiller

机器型号 Model		DIC002ABH-LG1- AAC-C	DIC004ASH-LC1- AAA-C11	DIC005ASH-LG5- AAB-C	DIC005ABH-LG5- AAB-C	DIC010ABH-LG5- AAB-C
建议匹配激光器 Suggested Matching Laser		3W~5W	10W~30W	30W~35W	30W~35W	50W~75W
名义制冷量 Nominal Cooling Capacity	W	600	1000	1500	1500	2700
电源 Power Supply		220V~/50Hz				
整机最大功率 Max Input Power	W	651	1166	918	1380	2010
整机最大电流 Max Current	A	3	5.3	4.17	6.27	9.14
水泵额定扬程 Rated Pump Lift	m	18	18	26	26	26
冷冻水额定流量 Chilled Water Rated Flow	L/min	10	8	33	33	33
水箱容积 Water Tank Volume	L	3	3	10	10	12
进出水口 Water Inlet & Outlet	inch	Rc1/2"				
流量开关 Flow Switch		断开(Disconnect Flow)≤1.5L/min	断开(Disconnect Flow)≤0.2L/min	断开(Disconnect Flow)≤1.5L/min		
使用范围 Operation Range	环境温度 Ambient Temp.	℃ ≤40				
	冷水温度 Water Temp.	℃ 8~30				
控温精度 Temp.Stability	℃	±0.1	±0.2~±0.3		±0.1	
机器净重 Net Weight	kg	22.5	34	40	40	52
外形尺寸 L×W×H Unit Dimensions	mm	482×594×177 (4U)	482×600×293 (6U)	482×645×311 (7U)		482×770×400 (9U)
包装尺寸 L×W×H Packing Dimensions	mm	520×625×260	555×675×465	555×675×470		555×825×595

注: 名义工况参数: 环境温度30℃, 出水温度为22℃;

Note: Nominal Condition ambient temperature 30℃, output water temperature 22℃.

## 机柜式冷水机技术参数

### Technical Parameters of Rack-mounted Chiller

机器型号 Model		DIC010ADH-LG5-AAB-C	DIC020ADH-LG5-AAB-C
建议匹配激光器 Suggested Matching Laser		1000W~1500W	2000W
名义制冷量 Nominal Cooling Capacity	W	2700	5200
电源 Power Supply		220V~/50Hz	
整机最大功率 Max Input Power	W	2320	3250
整机最大电流 Max Current	A	10.5	14.6
水泵额定扬程 Rated Pump Lift	m	26	33
冷冻水额定流量 Chilled Water Rated Flow	L/min	33	
常温水量额定流量 Normal Temp. Water Rated Flow	L/min	2	
水箱容积 Water Tank Volume	L	12	15.5
进出水接口 Water Inlet & Outlet	inch	Rc1/2"	
流量开关 Flow Switch		断开 (Disconnect flow) : ≤1.5L/min	
使用范围 Operation Range	环境温度 Ambient Temp.	℃ ≤40	
	冷水温度 Water Temp.	℃ 8~30	
控温精度 Temp.Stability	℃	冻水 (Chilled water): ±0.2~±0.3, 温水 (NT. water): ±1~±2	
机器净重 Net Weight	kg	55	70
外形尺寸 L×W×H Unit Dimensions	mm	482×775×400 (9U)	482×880×490 (11U)
包装尺寸 L×W×H Packing Dimensions	mm	555×825×595	565×950×675

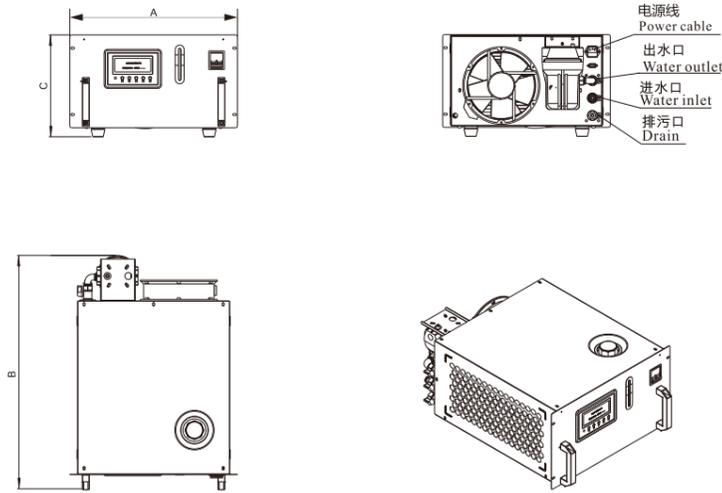
注: 名义工况参数: 环境温度30℃, 出水温度为22℃;

Note: Nominal Condition ambient temperature 30℃, output water temperature 22℃.

### 机柜式冷水机外形尺寸图

#### Outline Dimension Diagram of Rack-mounted Chiller

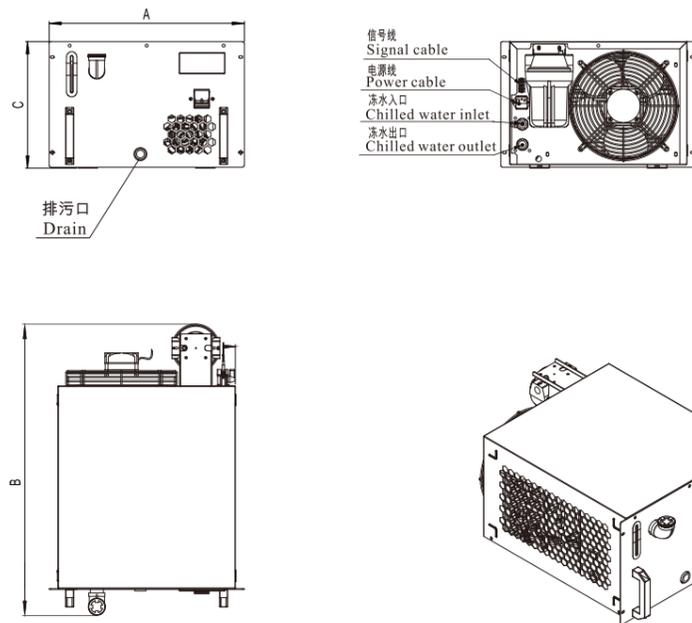
Model: DIC004ASH-LC1



单位(unit) : mm

型号 (Model)	A	B	C
DIC004ASH-LC1	482	600	293

Model: DIC002ABH-LG1 DIC005ASH-LG5 DIC005ABH-LG5



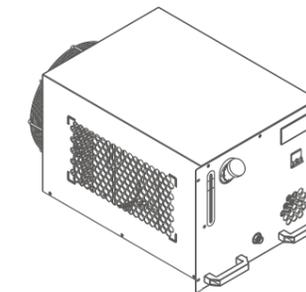
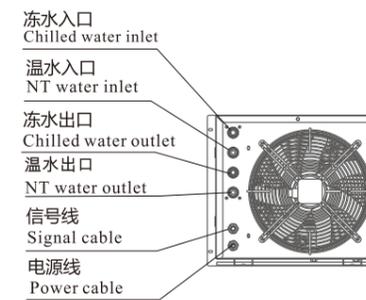
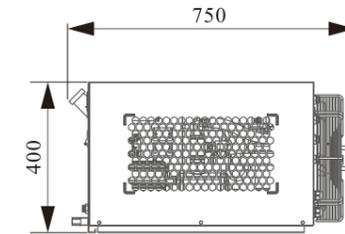
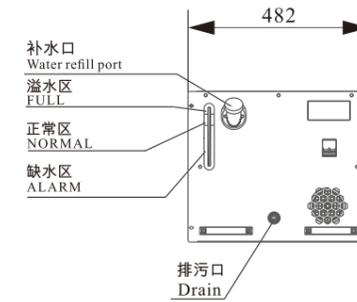
单位(unit): mm

型号 (Model)	A	B	C
DIC002ABH-LG1	482	594	177
DIC005ASH-LG5	482	625	311
DIC005ABH-LG5	482	625	311

### 机柜式冷水机外形尺寸图

#### Outline Dimension Diagram of Rack-mounted Chiller

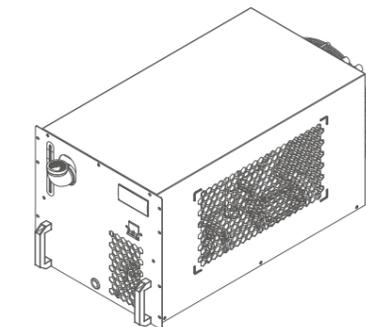
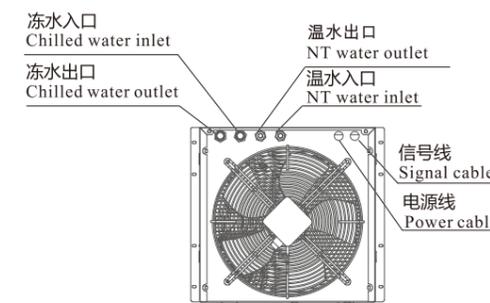
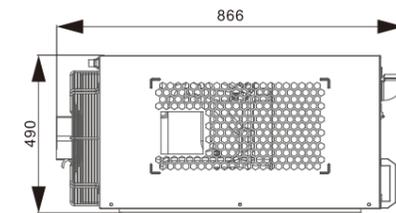
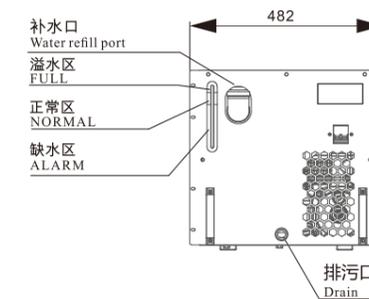
Model: DIC010ABH-LG5 DIC010ADH-LG5



单位(unit):mm

型号 Model	A	B	C
DIC010ADH-LG5	482	750	400

Model: DIC020ADH-LG5



单位(unit):mm

型号 Model	A	B	C
DIC020ADH-LG5	482	866	490

## AIR-COOLED SINGLE-TEMPERATURE CHILLER

### 风冷式-单温冷水机

## 风冷式单温冷水机 Air Cooled Single Temperature Chiller



### 应用范围 / Applications

- 适用于100W ~ 600W的YAG焊接或切割激光器，制冷量从2.7kW至46kW。
- ♦ Suitable for 100W~600W YAG welding or cutting lasers. Cooling capacity range: 2.7kW to 46kW.

### 特点及功能 / Features and Functions

- 立式顶出风设计，安装、维护方便。
  - 优质品牌制冷元器件，控制精度为 $\pm 1.0^{\circ}\text{C} \sim \pm 3.0^{\circ}\text{C}$ ；
  - 不锈钢多级离心泵及不锈钢水箱，无锈蚀之忧；
  - 多种报警保护功能并提供无源信号输出；
  - 自主研发生产中英双语智能温控器，多种设定和故障提示功能，操作简单方便。
  - 纯水过滤保护装置，保证设备运行安全。
- ♦ Vertical design for top air exhausting, space-saving, easy for installation and maintenance.
  - ♦ All refrigeration components are famous brand, which can offer good and stable cooling performance. The control precision can reach  $\pm 1.0^{\circ}\text{C} \sim \pm 3.0^{\circ}\text{C}$ .
  - ♦ Stainless steel multi - stage centrifugal pump and stainless steel water tank, no corrosion.
  - ♦ Multiple alarm protection functions and providing passive signal output.
  - ♦ Independently developed and produced bilingual intelligent temperature controller, multiple setting and fault alarming, easy for operating.
  - ♦ Pure water filtration protection device to ensure the safety of the equipment.

## 风冷式单温冷水机技术参数

### Technical Parameters of Air Cooled Single Temperature Chiller

机器型号 Model		DIC010ASH-LB5- ABA-C	DIC010ASS-LB5- ABA-C	DIC020ASH-LB2- ABA-C	DIC020ASS-LB2- ABA-C	DIC030ASH-LE2- FAA-C	
名义制冷量 Nominal Cooling Capacity	W	2700	2700	5200	5200	8500	
电源 Power Supply		220V~/50Hz				380V/3N~/50Hz	
整机最大功率 Max Input Power	W	1730	1860	2200	1745	3085	
整机最大电流 Max Current	A	7.8	8.4	10	7.9	6.2	
水泵 Pump	额定扬程 Rated Lift	m	26	41.5	26	41.5	38
	额定流量 Rated Flow	L/min	33				
水箱容积 Water Tank Volume	L	11		15		38	
进出水接口 Water Inlet&Outlet	inch	Rc1/2 "				4分外牙转Φ19mm宝塔 Rc1/2" external thread convert to Φ19mm Barbed connector	
排污口 Drain	inch	Rc1/2 "					
流量开关 Flow Switch		断开(Disconnect flow):≤0.7L/min					
使用范围 Operation Range	环境温度 Ambient Temp.	℃	≤40				
	冷水温度 Water Temp.	℃	8~30				
控温精度 Temp.Stability	℃	±1 ~ ±3					
机器净重 Net Weight	kg	65	65	90	90	165	
外形尺寸 L×W×H Unit Dimensions	mm	460×600×900		618×526×1084		610×800×1430	
包装尺寸 L×W×H Packing Dimensions	mm	610×703×1093		660×630×1100		730×1070×1602	

注:

1.以上技术参数基于环境温度30℃, 出水温度为22℃;

2.型号中的\*\*代表水泵特性, 分别为L: 低扬程, H: 高扬程, S: 超高扬程, 具体参数如上表的水泵项。

Note:

1.Nominal Condition: ambient temperature 30℃, out put water temperature 22℃.

2.Model "\*\*" indicates pump characteristic, L: low-lift H: high-lift S: superhigh-lift, the specific parameters of the water table as mentioned above.

## 风冷式单温冷水机技术参数

### Technical Parameters of Air Cooled Single Temperature Chiller

机器型号 Model		DIC050ASH-LE2- FBA-C	DIC080ASH-LE2- FAA-C	DIC100ASH-LE2- FAA-C	DIC120ASH-LE2- FAA-C	DIC150ASH-LE2- FAA-C	
名义制冷量 Nominal Cooling Capacity	W	15000	23000	29000	36000	46000	
电源 Power Supply		380V/3N~/50Hz					
整机最大功率 Max Input Power	W	5550	7850	10950	12280	15820	
整机最大电流 Max Current	A	9.9	14	19.5	22	28.2	
水泵 Pump	额定扬程 Rated Lift	m	35	37.5	48	48	48
	额定流量 Rated Flow	L/min	66	66	133	133	133
水箱容积 Water Tank Volume	L	50	140	130	130	130	
进出水接口 Water Inlet&Outlet	inch	Rc1 "	Rc1 "	1寸外牙转Φ32mm宝塔 Rc1" external thread convert to Φ32mm Barbed connector			
排污口 Drain	inch	Rc1/2 "	Rc1/2 "	Rc1/2 "	Rc1/2 "	Rc1/2 "	
流量开关 Flow Switch		断开(Disconnect flow):≤8.0L/min					
使用范围 Operation Range	环境温度 Ambient Temp.	℃	≤40				
	冷水温度 Water Temp.	℃	8~30				
控温精度 Temp.Stability	℃	±1 ~ ±3					
机器净重 Net Weight	kg	156	370	610	650	660	
外形尺寸 L×W×H Unit Dimensions	mm	860×620×1450	800×1800×1835	850×1980×1972			
包装尺寸 L×W×H Packing Dimensions	mm	960×720×1550	974×1910×2007	1020×2060×2172			

注:

1.以上技术参数基于环境温度30℃, 出水温度为22℃;

2.型号中的\*\*代表水泵特性, 分别为L: 低扬程, H: 高扬程, S: 超高扬程, 具体参数如上表的水泵项。

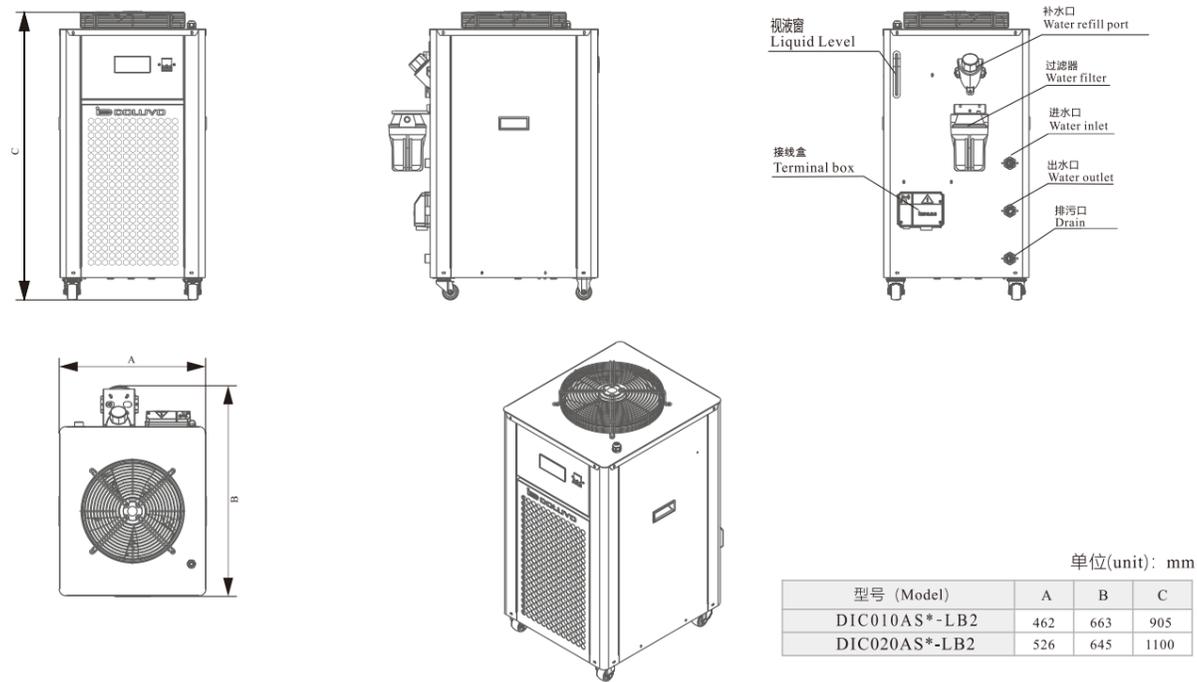
Note:

1.Nominal Condition: ambient temperature 30℃, out put water temperature 22℃.

2.Model "\*\*" indicates pump characteristic, L: low-lift H: high-lift S: superhigh-lift, the specific parameters of the water table as mentioned above.

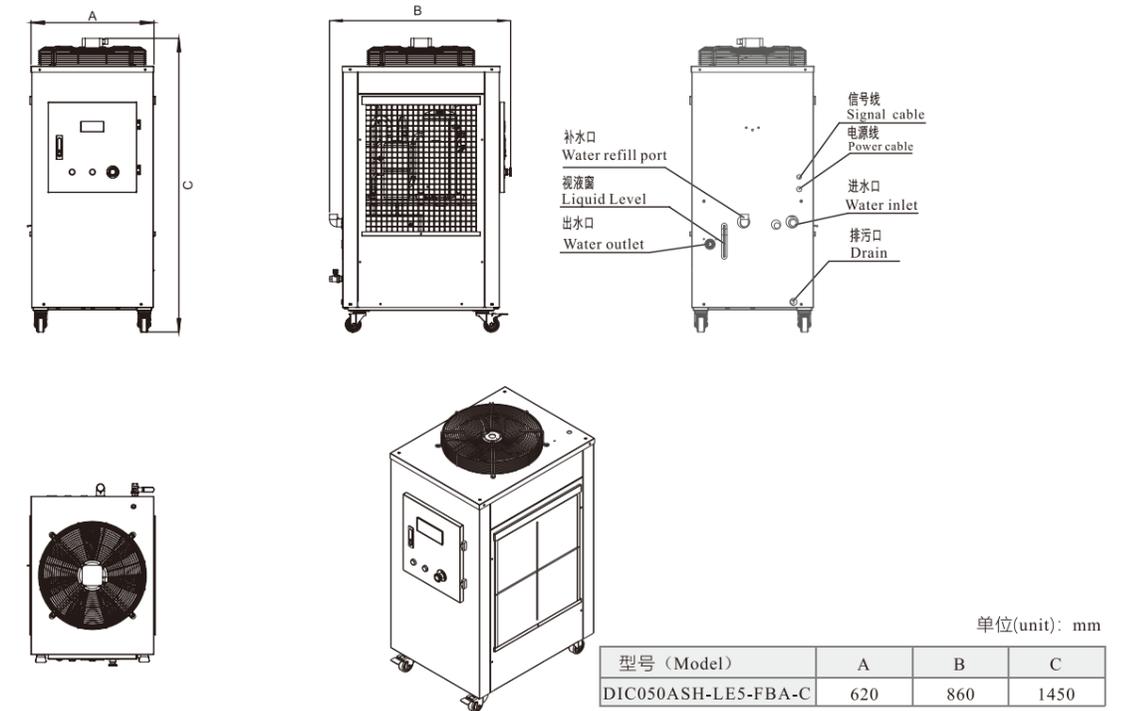
风冷式单温冷水机外形尺寸图  
Air - cooled Single - temperature Chiller Dimensions

Model: DIC010/020AS\*-LB2

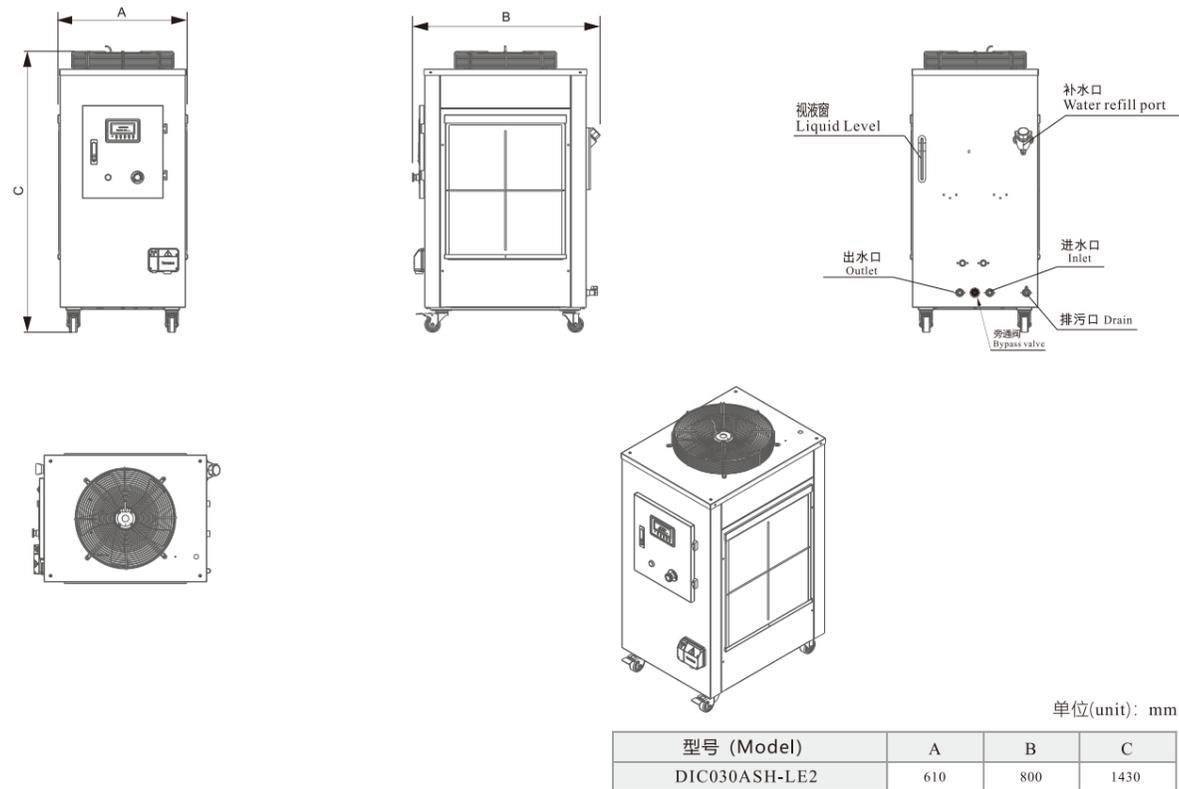


风冷式单温冷水机外形尺寸图  
Air - cooled Single - temperature Chiller Dimensions

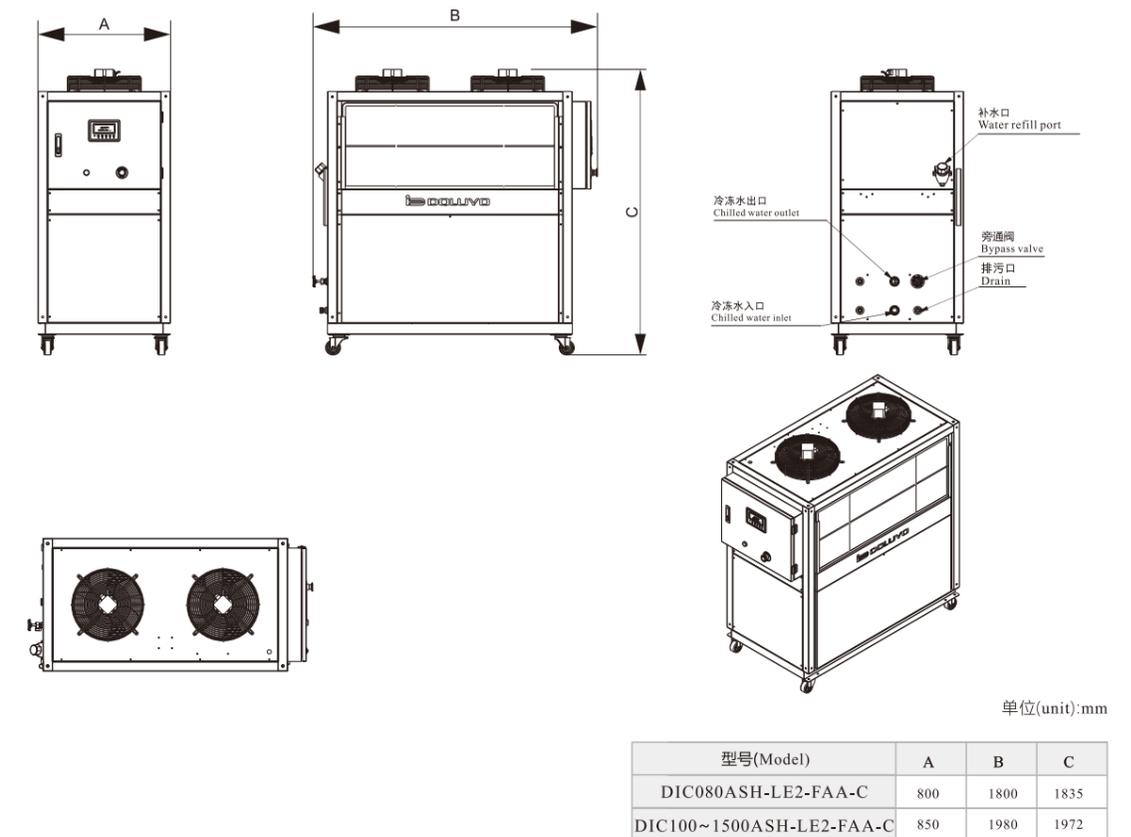
Model: DIC050ASH-LE2-FBA-C



Model: DIC030ASH-LE2



Model: DIC080~150ASH-LE2-FAA-C



## AIR-COOLED SINGLE-TEMPERATURE CHILLER

### 风冷式-单温冷水机

#### 冷水机型号命名规则

Type code Explanation for Industrial Water Chiller

D CL 1000 L A - 01

① ② ③ ④ ⑤ ⑥

①东露阳公司产品

Brand: Doluyo product

②CL: 玻璃管激光器

CL: CO<sub>2</sub> Glass tube laser

③能力代号Code for cooling capability

④水泵特性: Type of water pump

L:低扬程; H:高扬程;

L: Low-lift pump, H: High-lift pump,

⑤电源特性Power supply type

A - 220V ~ 240V/1Ph/50Hz; K - 208V ~ 230V/1Ph/60Hz

⑥非标变更代号 Code for customized products :1、02、03、.....

## 风冷式单温冷水机

### Air-cooled Single-temperature Chiller



Model:DCL1000~1500LA

#### 应用范围 / Applications

- 适用于60~180W的单头或双头玻璃管激光器和基于需要冷却的部件，制冷量450W~1500W；
- 适用于制冷量需求为300W~1500W的各类发热设备。
- ◆ Suitable for 60~180W single- or dual-head glass tube lasers and components requiring cooling, with a cooling capacity of 450W~1500W;
- ◆ Suitable for all kinds of heat generating equipment with cooling capacity requirements of 300W~1500W.

#### 特点及功能 / Features and Functions

- 小机身，大冷量、经济便捷、高效稳定；
- 独特的外形设计，轻巧美观；
- 有RS485可选，多种设定和故障提示功能，操作简单方便。
- ◆ Small dimensions, high cooling capacity, economic and convenient, high efficiency and stable;
- ◆ Features a unique, compact, and stylish design;
- ◆ Optional RS485 interface, with multiple settings and fault indication functions for easy and convenient operation.

## 风冷式单温冷水机技术参数

### Technical Parameters of Air-cooled Single-temperature Chiller

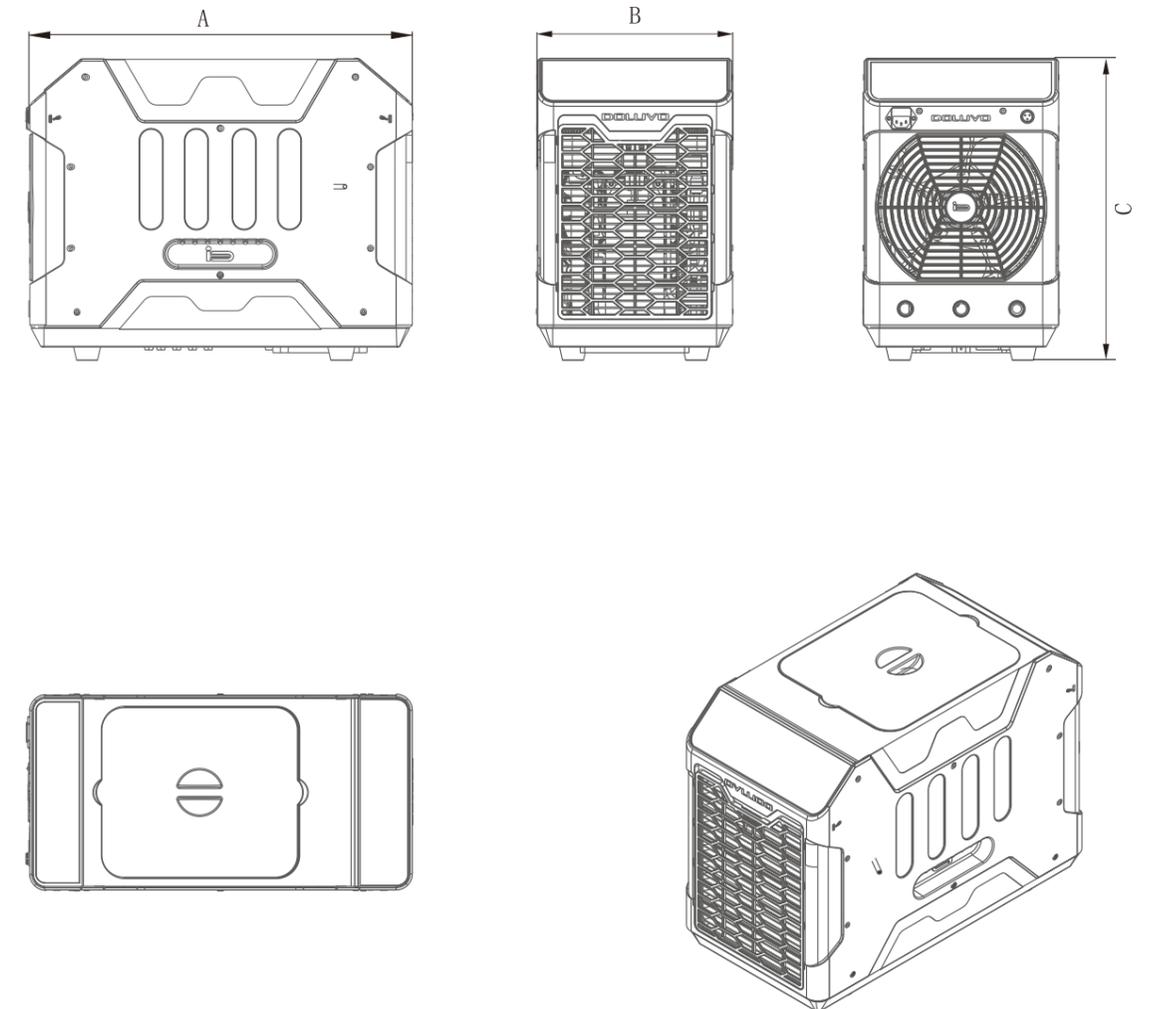
机器型号 Model		DCL450	DCL1000LA	DCL1500LA
建议匹配CO2激光器 Suggested matching CO2 lasers		60W~80W	130W~150W	130W~180W
名义制冷量 Nominal Cooling Capacity	W	散热量 (Heat exhausted) : 450		1500
电源 Power Supply		220V~/50Hz		
整机最大功率 Max Input Power	W	—	518	538
整机最大电流 Max Current	A	0.36	2.35	2.45
水泵 Pump	额定扬程 Rated Lift	m	8	
	额定流量 Rated Flow	L/min	6	
水箱容积 Water Tank Volume	L	7		
进出水接口 Water Inlet & Outlet		4分外牙转Φ10mm宝塔 Rc1/2" external thread convert to Φ10mm Barbed connector		
流量保护 Flow Protect		断开(Disconnect Flow)≤1.0L/min		
使用范围 Operation Range	环境温度 Ambient Temp.	℃	—	≤40
	冷水温度 Water Temp.	℃	—	8~30
控温精度 Temp.Stability	℃	—	±2	
机器净重 Net Weight	kg	6.4	18.5	19
外形尺寸 L×W×H Unit Dimensions	mm	280×482×385	280×555×435	
包装尺寸 L×W×H Packing Dimensions	mm	390×540×434	390×640×434	

注：  
1.以上技术参数基于环境温度30℃，出水温度为22℃；  
Note:  
1.Nominal Condition: ambient temperature 30℃, out put water temperature 22℃.

## 风冷式单温冷水机外形尺寸图

### Air - cooled Single - temperature Chiller Dimensions

Model: DCL450 DCL1000LA DCL1500LA



单位(unit): mm

型号 (Model)	A	B	C
DCL450	280	482	385
DCL1000LA	280	550	435
DCL1500LA	280	550	435

## WATER-COOLED WATER CHILLER

### 水冷式-冷水机

## 水冷式冷水机 Water-Cooled Water Chiller



### 应用范围 / Applications

- 切割、熔覆、清洗等半导体泵浦激光器冷却制冷量从2.7kW ~ 120kW
- 加工中心高速电主轴冷却
- CNC车床、CNC雕刻机冷却
- 汽车电池行业激光焊接、切割
- ◆ All kind of Diode pump lasers cooling, applying in welding, cutting, cladding, cleaning and other  
Cooling capacity range: 2.7 kW ~ 120 kW
- ◆ High speed spindle cooling for machining center
- ◆ CNC lathe, CNC engraving machine cooling
- ◆ Laser welding and cutting for automotive battery industry

### 特点及功能 / Features and Functions

- 优质品牌制冷元件，具有持久稳定的制冷效果；
- 自主研发生产中英双语智能温控器，多种设定和故障提示功能，操作简单方便；
- 不锈钢多级离心泵，高扬程、高流量，不锈钢水箱、无锈蚀之忧；
- 多种报警保护功能并提供无源信号输出。
- ◆ High quality brand refrigerating components with durable and stable cooling performance.
- ◆ Independently developed and produced bilingual intelligent temperature controller, multiple setting and fault alarming, easy for operation.
- ◆ Stainless steel multi - stage centrifugal pump, high lift and high water Flow, stainless steel water tank, no corrosion.
- ◆ Multiple alarm protection functions and provide passive signal output.

## 水冷式双温冷水机技术参数

### Technical Parameters of Water Cooled Dual-Temperature Chiller

机器型号 Model		DIC010WDH -LA5	DIC020WDH -LA5	DIC030WDH -LA5	DIC040WDH -LA5
名义制冷量 Nominal Cooling Capacity	W	2700	5200	8500	10800
电源 Power Supply		220V~/50Hz		380V/3N~/50Hz	
温控显示 Digital display		数码显示 Digital display		数码显示 Digital display	
整机最大功率 Max Input Power	W	2430	3330	4595	5970
整机最大电流 Max Current	A	11	15.1	8.5	11.2
电加热功率 Electric Heater Power	W	1000		1700	
水泵 Pump	额定扬程 Rated Lift	m	33	33	47.5
	额定流量 Rated Flow	L/min	33	33	67
水箱容积 Water Tank Volume	L	14.5		40	
冻水进出水口 Chilled Water Inlet & Outlet	inch	Rc1/2"		Rc1"	
冷却水进出水口 Cooling Water Inlet & Outlet	inch	Rc3/4"		Rc1"	
温水进出水口 NT Water Inlet & Outlet	inch	Rc1/2"		Rc1/2"	
流量开关 Flow Switch		断开(Disconnect Flow) ≤1.5L/min		断开(Disconnect Flow) ≤6.0L/min	
使用范围 Operation Range	冷水温度 Water Temp.	°C	8~30		
	环境温度 Ambient Temp.	°C	≤35		
	冷却水流量 Cooling Water Flow	L/min	≥10	≥20	≥30
控温精度 Temp.Stability	°C	冻水 (Chilled water) ±0.3, 温水 (NT.water)±1			
机器净重 Net Weight	kg	60	66	120	122
外形尺寸 L×W×H Unit Dimensions	mm	485×640×740		585×755×925	
包装尺寸 L×W×H Packing Dimensions	mm	595×750×926		695×865×1105	

注：以上技术参数基于冷却水进/出水温度30℃/35℃，冷冻水出水温度为22℃；

Note: The above technical parameters based on the cooling water inlet / outlet temperature of 30 °C / 35 °C, chilled water temperature 22 °C ;

## 水冷式双温冷水机技术参数

### Technical Parameters of Water Cooled Dual-Temperature Chiller

机器型号 Model		DIC050WDH -LA5-FAA-C	DIC060WDH -LA5-FAA-C	DIC070WDH-LA2- FBA-C	DIC100WDH -LA2-FBA-C
名义制冷量 Nominal Cooling Capacity	W	15000	17000	19000	29000
电源 Power Supply		380V/3N~/50Hz		380V/3N~/50Hz	
温控显示 Digital display		数码显示 Digital display		数码显示 Digital display	
整机最大功率 Max Input Power	W	5950	6750	11295	12820
整机最大电流 Max Current	A	10.6	12	18	22.8
电加热功率 Electric Heater Power	W	2000		2000	
水泵 Pump	额定扬程 Rated Lift	m	47.5	45	54
	额定流量 Rated Flow	L/min	66	133	200
水箱容积 Water Tank Volume	L	50		110	
冻水进出水口 Chilled Water Inlet & Outlet	inch	Rc1"	Rc3/4"	Rc1-1/2"	
冷却水进出水口 Cooling Water Inlet & Outlet	inch	Rc1"		Rc1"	
温水进出水口 NT Water Inlet & Outlet	inch	Rc1/2"		Rc1/2"	
流量开关 Flow Switch		断开(Disconnect Flow) ≤8.0L/min		断开(Disconnect Flow) ≤8.0L/min	
使用范围 Operation Range	冷水温度 Water Temp.	°C	8~30		
	环境温度 Ambient Temp.	°C	≤40		
	冷却水流量 Cooling Water Flow	L/min	≥50	≥60	≥70
控温精度 Temp.Stability	°C	冻水 (Chilled water) ±0.3 温水 (NT.water)±1		冻水 (Chilled water) ±0.5 温水 (NT.water)±1.5	
机器净重 Net Weight	kg	180	185	195	206
外形尺寸 L×W×H Unit Dimensions	mm	605×926×1185		1065×790×1420	1100×700×1400
包装尺寸 L×W×H Packing Dimensions	mm	715×1020×1370		1165×890×1520	1200×800×1500

注：以上技术参数基于冷却水进/出水温度30℃/35℃，冷冻水出水温度为22℃；

Note: The above technical parameters based on the cooling water inlet / outlet temperature of 30 °C / 35 °C, chilled water temperature 22 °C ;

## 水冷式高精度冷水机技术参数

### Technical Parameters of Water Cooled High Precision Chiller

机器型号 Model		DIC006WBH- LA5-AAA-C	DIC015WBH- LA5-AAA-C	DIC020WBH- LA5-AAA-C	DIC030WSH- LA5-FAA-C	DIC040WSH- LA5-FAA-C	
名义制冷量 Nominal Cooling Capacity	W	1600	3600	5200	8500	10800	
电源 Power Supply		220V~/50Hz			380V/3N~/50Hz		
温控显示 Digital display		数码显示 Digital display			数码显示 Digital display		
整机最大功率 Max Input Power	W	1430	2540	2950	4245	5070	
整机最大电流 Max Current	A	6.5	11.5	13.4	8.5	10	
电加热功率 Electric Heater Power	W	500			800	850	
水泵 Pump	额定扬程 Rated Lift	m	26	38	45	33	35
	额定流量 Rated Flow	L/min	32	33	33	33	66
水箱容积 Water Tank Volume	L	14.5	16	16	40	40	
冻水进出水口 Chilled Water Inlet & Outlet	inch	Rc1/2 "			Rc1 "		
冷却水进出水口 Cooling Water Inlet & Outlet	inch	Rc3/4 "			Rc1 "		
流量开关 Flow Switch		断开(Disconnect Flow) ≤1.5L/min			断开(Disconnect Flow) ≤6.0L/min		
使用范围 Operation Range	冷水温度 Water Temp.	℃	8~30				
	环境温度 Ambient Temp.	℃	≤40				
	冷却水流量 Cooling Water Flow	L/min	≥10	≥20	≥20	≥30	≥40
控温精度 Temp.Stability	℃	±0.1			±0.3		
机器净重 Net Weight	kg	60	64	66	115	118	
外形尺寸 L×W×H Unit Dimensions	mm	485×640×740			585×755×925		
包装尺寸 L×W×H Packing Dimensions	mm	595×750×926			695×865×1105		

注：以上技术参数基于冷却水进/出水温度30℃/35℃，冷冻水出水温度为22℃；

Note: The above technical parameters based on the cooling water inlet / outlet temperature of 30 °C / 35 °C, chilled water temperature 22 °C.

## 水冷式冷水机技术参数

### Technical Parameters of Water-cooled Water Chiller

机器型号 Model		DIC050WSH- LA5-FAA-C	DIC060WSH- LA5-FAA-C	DIC080WSH- LA2-FAA-C	DIC100WSH- LA2-FAA-C	DIC120WSH- LA2-FAA-C	
名义制冷量 Nominal Cooling Capacity	W	15000	17000	23000	29600	36200	
电源 Power Supply		380V/3N~/50Hz		380V/3N~/50Hz			
温控显示 Digital display		数码显示 Digital display		—	—	—	
整机最大功率 Max Input Power	W	5120	6295	7900	9850	11180	
整机最大电流 Max Current	A	9.1	11.2	15	18.72	21.24	
电加热功率 Electric Heater Power	W	1000		1000		1000	
水泵 Pump	额定扬程 Rated Lift	m	35	35	37.5	40	40
	额定流量 Rated Flow	L/min	66	66	66	66	66
水箱容积 Water Tank Volume	L	50		110	250	250	
冻水进出水口 Chilled Water Inlet & Outlet	inch	Rc1"		Rc1"	Rc1-1/2 "	Rc1-1/2 "	
冷却水进出水口 Cooling Water Inlet & Outlet	inch	Rc1"		Rc1-1/2 "	Rc2"	Rc2"	
流量开关 Flow Switch		断开(Disconnect Flow) ≤8.0L/min		断开(Disconnect Flow) ≤8.0L/min			
使用范围 Operation Range	冷水温度 Water Temp.	℃	8~30				
	环境温度 Ambient Temp.	℃	≤40				
	冷却水流量 Cooling Water Flow	L/min	≥50	≥60	≥85	≥110	≥133
控温精度 Temp.Stability	℃	±0.3		±1~±3			
机器净重 Net Weight	kg	180	185	282	429	441	
外形尺寸 L×W×H Unit Dimensions	mm	910×605×1185		1045×785×1305	1440×905×1450		
包装尺寸 L×W×H Packing Dimensions	mm	1010×705×1286		1255×895×1495	1650×1015×1640		

注：以上技术参数基于冷却水进/出水温度30℃/35℃，冷冻水出水温度为22℃；

Note: The above technical parameters based on the cooling water inlet / outlet temperature of 30 °C / 35 °C, chilled water temperature 22 °C.

## 水冷式冷水机技术参数

### Technical Parameters of Water-cooled Water Chiller

机器型号 Model		DIC150WSH- LA2-FAA-C	DIC200WSH- LA2-FAA-C	DIC240WSH- LA2-FAA-C	DIC300WSH- LA2-FAA-C	DIC400WSH- LA2-FAA-C	
名义制冷量 Nominal Cooling Capacity	W	46000	61000	70000	90000	120000	
电源 Power Supply		380V/3N~/50Hz					
整机最大功率 Max Input Power	W	14720	19700	22360	29440	42000	
整机最大电流 Max Current	A	27.97	37.43	42.48	55.94	57.8	
水泵 Pump	额定扬程 Rated Lift	m	40	45	45		46
	额定流量 Rated Flow	L/min	66	133		140	
水箱容积 Water Tank Volume	L	250	390		600		
冻水进出水口 Chilled Water Inlet & Outlet	inch	Rc1-1/2 "		Rc2"			
冷却水进出水口 Cooling Water Inlet & Outlet	inch	Rc1"		Rc1-1/2 "			
流量开关 Flow Switch		导通 (Operate flow) :10.0L/min 断开 (Disconnect flow) :≤ 8.0L/min		10~40L/min 可调 (adjustable)			
使用范围 Operation Range	冷水温度 Water Temp.	°C	8~30				
	环境温度 Ambient Temp.	°C	≤40				
	冷却水流量 Cooling Water Flow	L/min	≥133	≥225	≥250	≥337	≥403
控温精度 Temp.Stability	°C	±1~±3					
机器净重 Net Weight	kg	441	784	808	912	1250	
外形尺寸 L×W×H Unit Dimensions	mm	1440×905×1450		1995×1120×1600		1150×2470×1600	
包装尺寸 L×W×H Packing Dimensions	mm	1650×1015×1640		2105×1230×1790		1250×2576×1700	

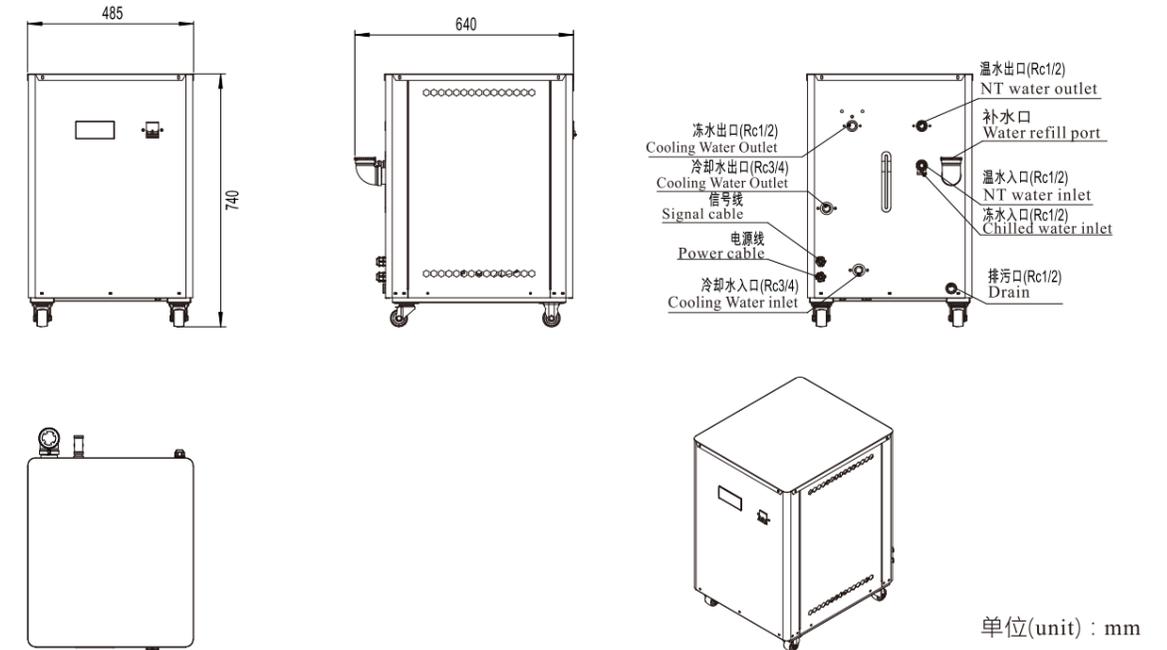
注：以上技术参数基于冷却水进/出水温度30℃/35℃，冷冻水出水温度为22℃；

Note: The above technical parameters based on the cooling water inlet / outlet temperature of 30 °C / 35 °C, chilled water temperature 22 °C.

## 水冷式冷水机外形尺寸图

### Outline Dimension Diagram of Water-cooled Water Chiller

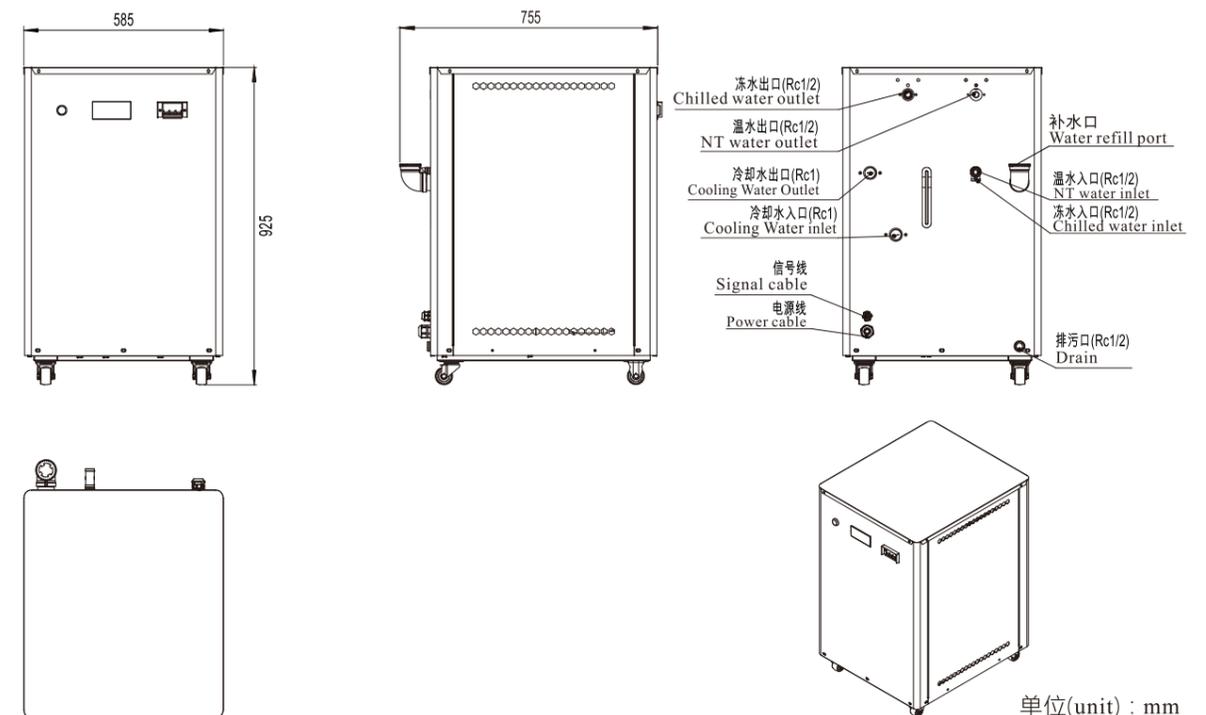
Model: DIC010~020WSH/WDH-LA5



单位(unit) : mm

型号 (Model)	A	B	C
DIC010~020WSH/WDH-LA5	485	640	740

Model: DIC030~040WSH/WDH-LA5



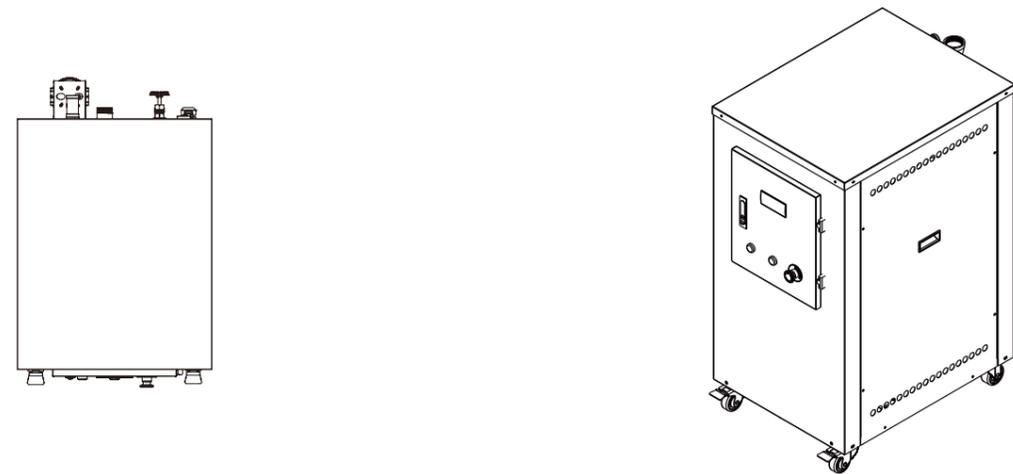
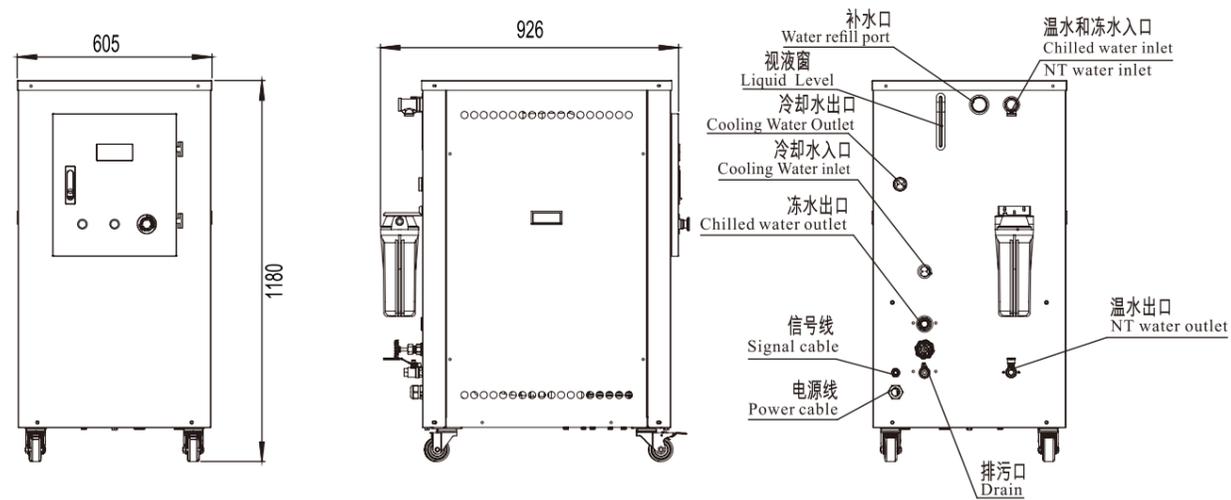
单位(unit) : mm

型号 (Model)	A	B	C
DIC030~040WSH/WDH-LA5	585	755	925

### 水冷式冷水机外形尺寸图

### Outline Dimension Diagram of Water-cooled Water Chiller

Model: DIC050~060WSH/WDH-LA5



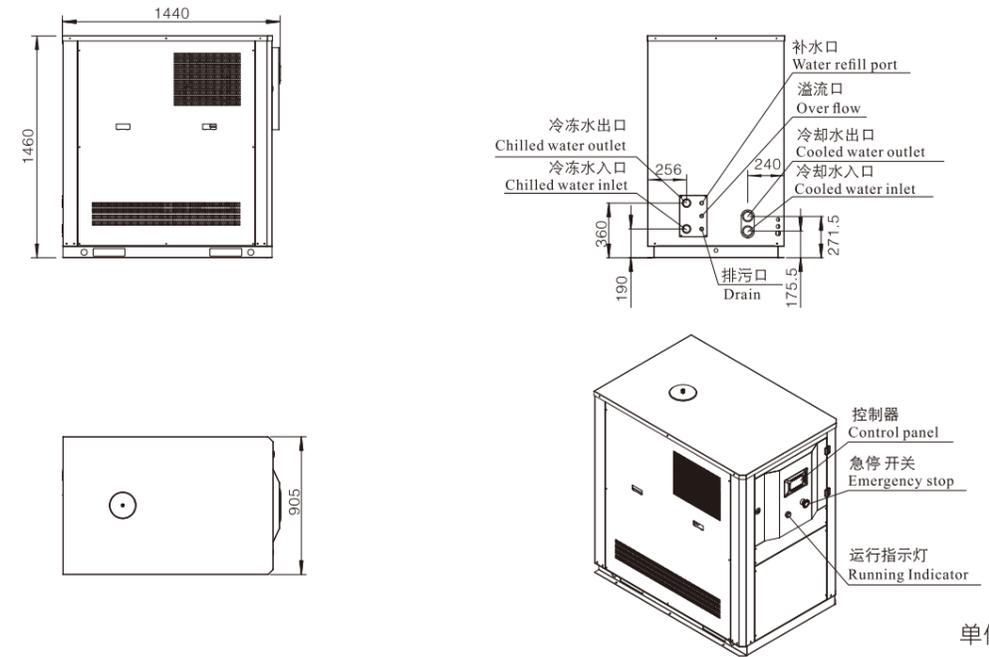
单位(unit) : mm

型号 ( Model )	A	B	C
DIC050~060WSH/WDH-LA5	605	926	1185

### 水冷式冷水机外形尺寸图

### Outline Dimension Diagram of Water-cooled Water Chiller

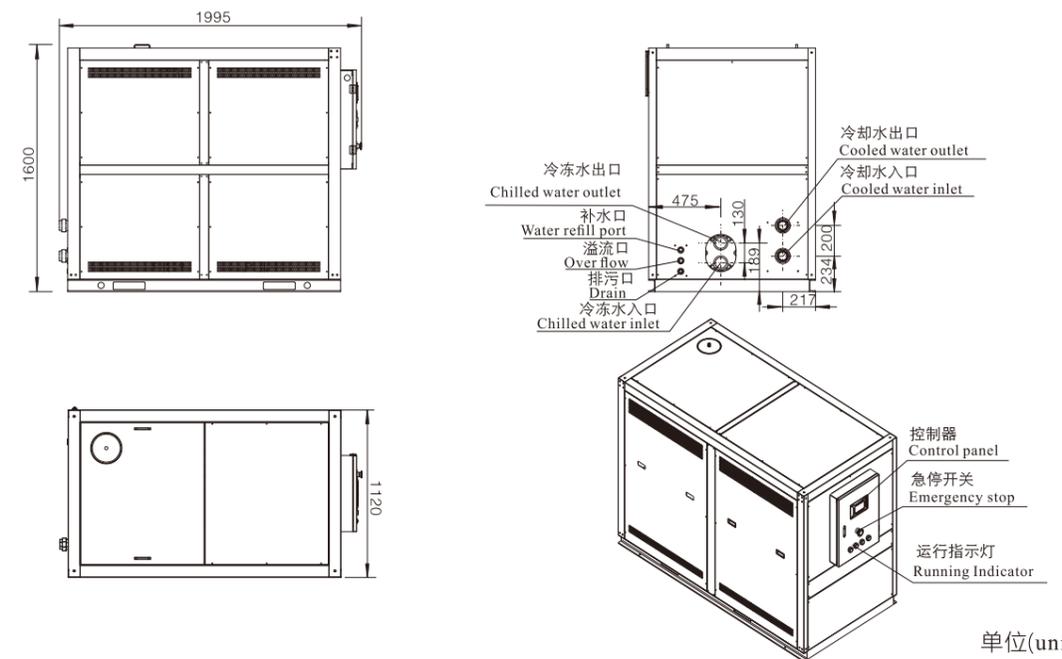
Model: DIC120/150WSH-LA2



单位(unit) : mm

型号 ( Model )	A	B	C
DIC120/150WSH-LA2	905	1440	1460

Model: DIC200/240/300/400WSH-LA2



单位(unit) : mm

型号 ( Model )	A	B	C
DIC200/240/300/400WSH-LA2	1120	1995	1600