

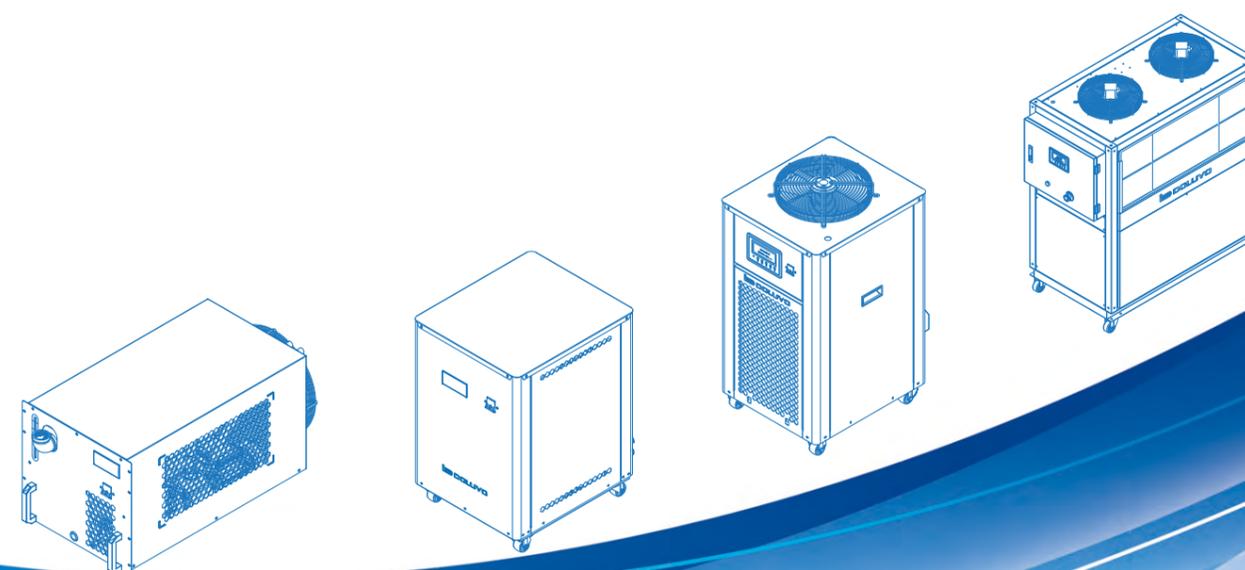


工业冷冻产品

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

SHENZHEN DOLUYO INDUSTRIAL CO., LTD.

深圳总部 (Shenzhen Headquarters)

地址 (ADD) : 深圳市宝安区福永凤凰第三工业区腾丰四路4号东露阳工业园
DOLUYO Industry Park, No.4, Tengfeng 4th Road, Fenghuang 3rd Industry zone, Fuyong Town, Bao'an District, Shenzhen, China

邮编 (P.C.) : 518103

电话 (TEL) : +86-755-29974506 29974516 29974526 29974536

销售热线 (Sales Hot Line) : +86-755-29974556

外贸热线 (Overseas Business) : +86-755-33935303

服务热线 (Service Hot Line) : 400 006 0755 +86-755-33935305

传真 (FAX) : +86-755-29974586

网址 (URL) : www.doluyo.com

电邮 (E-mail) : info@doluyo.com

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

2025

»» DOLUYO

07 /	型号解释 Type Code Explanation
08 /	紫外/超快激光器冷水机 UV/Ultrafastlaser Laser Chillers
17 /	智能激光冷水机 Intelligent Laser Water Chiller
25 /	光纤激光器双温双控冷水机 Fiber Laser Dual Temperature And Dual Control Chiller
33 /	手持焊激光冷水机 Chillers for Handheld Laser Welding Machine
37 /	YAG激光器冷水机 YAG Laser Chillers
42 /	工业冷水机 Industrial Water Chiller
46 /	新能源焊接行业专用水冷式冷水机 Water Cooled Chillers for New Energy Welding Industry
54 /	其它工业设备冷水机 Chillers for Other Industry Equipment

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

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

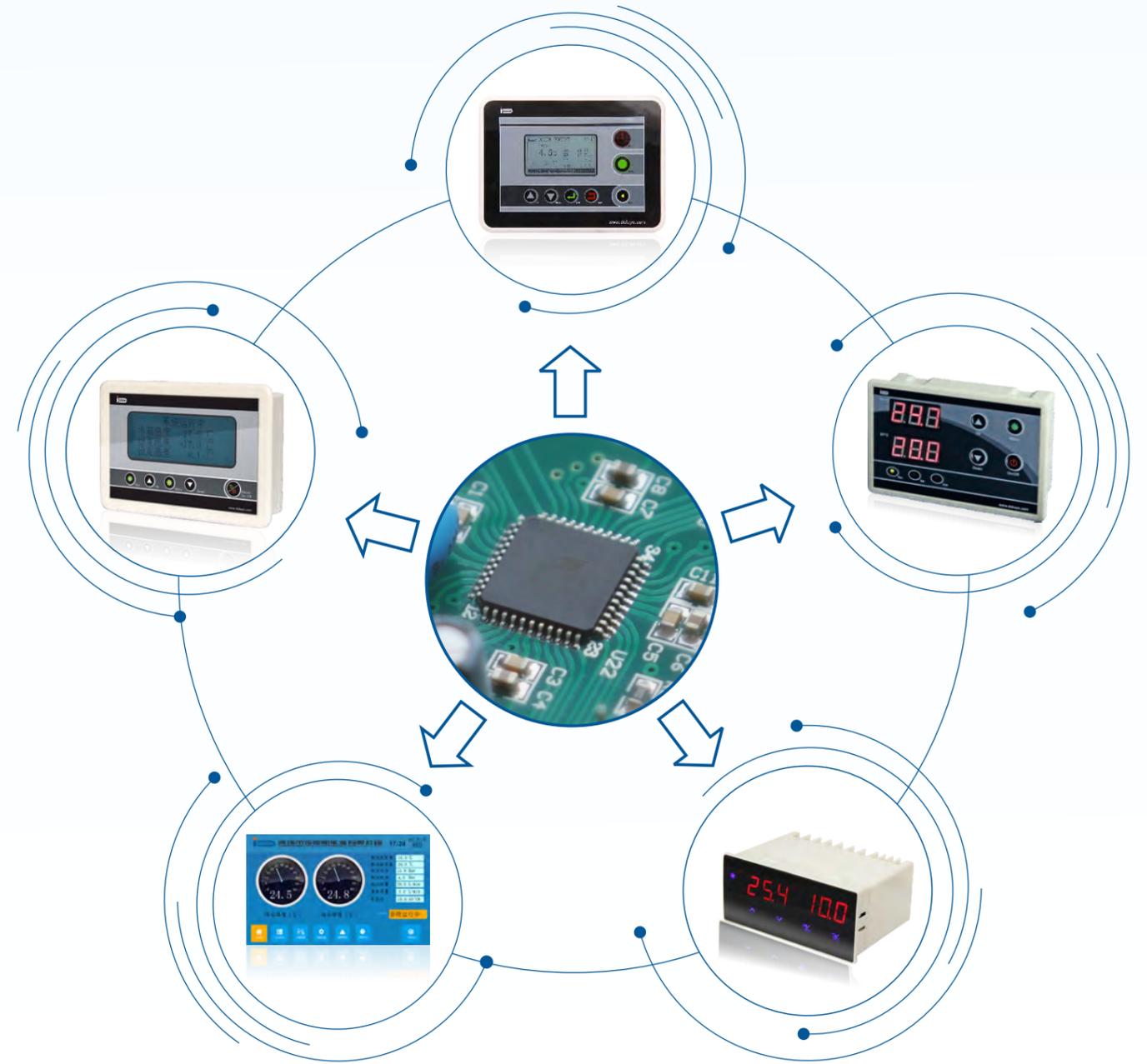
智能控制 → 来自强悍的“芯”
Powerful Core-Intelligent Control System



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、CO₂、YAG、光纤激光工作物质的激光加工设备。
Other laser processing equipment using semiconductor, CO₂, YAG, and optical fiber as laser working medium



UV/ULTRAFAST LASER CHILLERS

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~2700W。
- Applicable to 3W ~ 30W UV and 10W ~ 100W ultrafast laser, cooling capacity is 600W ~ 2700W.

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 $\pm 0.1^{\circ}\text{C} \sim \pm 0.2^{\circ}\text{C}$ ；
 - 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 $\pm 0.1^{\circ}\text{C} \sim 0.2^{\circ}\text{C}$;
 - 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		DIC002AS*-LE1 -AAB-C	DIC002ABH-LG1 -AAC-C	DIC002ABH-LG1 -AAB-C	DIC004AS*-LC1 -AAA-C	DIC004ABH-LC1 -AAB-C	
建议匹配激光器 Suggested Matching Laser		3W~5W紫外 (UV laser)	3W~5W紫外 (UV laser)	3W~5W紫外 (UV laser)	10W~30W超快 (Ultra-fast Laser)	10W~20W超快 (Ultra-fast Laser)	
名义制冷量 Nominal Cooling Capacity		W	600	600	1000	1000	
电源 Power Supply		220V~/50Hz					
整机最大功率 Max Input Power		W	886	615	911	1166	2166
整机最大电流 Max Current		A	4.02	2.8	4.2	5.3	9.84
电加热功率 Electric Heater Power		W	500	200	500	500	500
水泵 Pump	额定扬程 Rated Lift	m	L:8 H:6	18	18	L:8 H:18	20
	额定流量 Rated Flow	L/min	L:18 H:10	10	10	L:8 H:10	12.5
水箱容积 Water Tank Volume		L	5	3	2.3	2.3	2.3
进出水接口 Water Inlet & Outlet		inch	Rc1/2"				
流量保护 Flow Protect			断开(Disconnect Flow) $\leq 1.0\text{L}/\text{min}$	断开(Disconnect Flow) $\leq 2.0\text{L}/\text{min}$	断开(Disconnect Flow) $\leq 1.0\text{L}/\text{min}$		
使用范围 Operation Range	环境温度 Ambient Temp.	$^{\circ}\text{C}$	≤ 40				
	冷水温度 Water Temp.	$^{\circ}\text{C}$	8~30				
控温精度 Temp.Stability		$^{\circ}\text{C}$	$\pm 0.1 \sim \pm 0.2$	± 0.1	± 0.1	$\pm 0.1 \sim \pm 0.3$	± 0.1
机器净重 Net Weight		kg	30	22.5	32	36	36
外形尺寸 L×W×H Unit Dimensions		mm	360×475×574	482×594×177 (4U)	482×503×247 (6U)	482×600×293 (6U)	482×600×266 (6U)
包装尺寸 L×W×H Packing Dimensions		mm	470×585×756	592×704×376	592×613×446	592×710×465	592×710×465

注：
1.以上技术参数基于环境温度30 $^{\circ}\text{C}$ ，出水温度为22 $^{\circ}\text{C}$ ；
2.型号中的**代表水泵特性，分别为L：低扬程，H：高扬程，具体参数如上表的水泵项；
Note:
1.Nominal Condition: ambient temperature 30 $^{\circ}\text{C}$, out put water temperature 22 $^{\circ}\text{C}$.
2.Model "**" indicates pump characteristic, L: low-lift H: high-lift, the specific parameters of the water table as mentioned above.

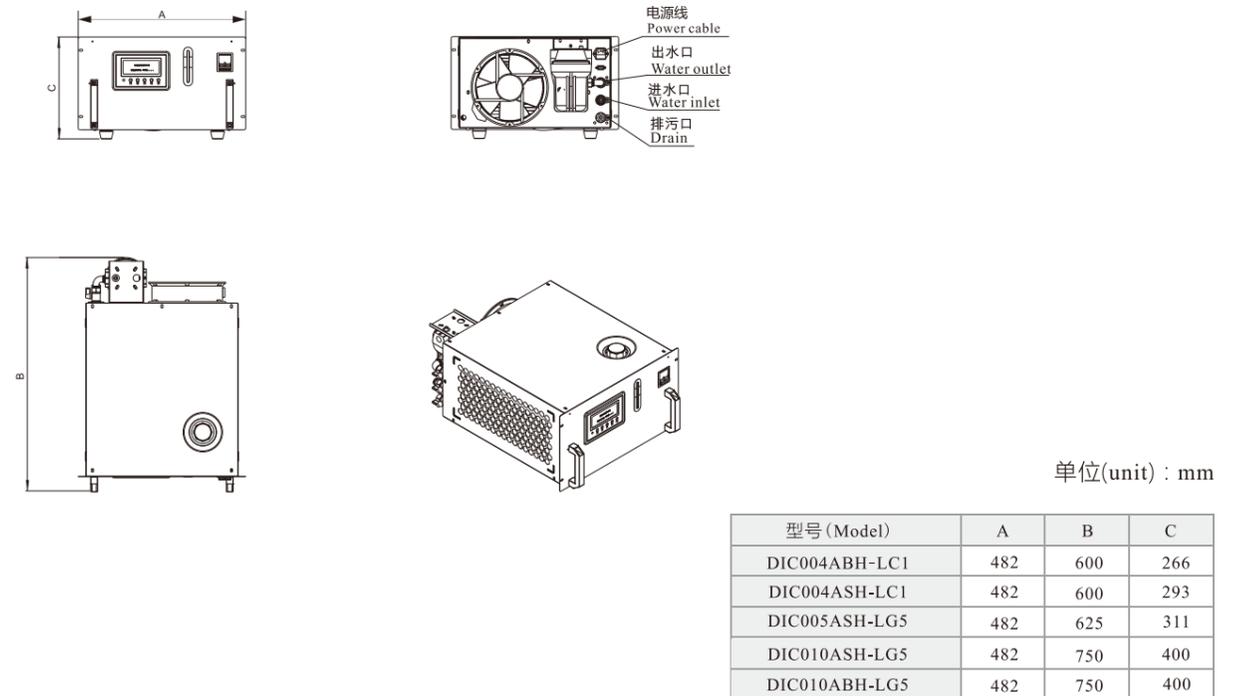
紫外/超快激光器冷水机技术参数
Technical Parameters for UV/Ultra-fast Laser Chillers

机器型号 Model		DIC005ASH-LG5-AAB-C	DIC010ASH-LG5-AAB-C	DIC010ABH-LG5-AAB-C
建议匹配激光器 Suggested Matching Laser		30W~50W	50W~100W	50W~100W
名义制冷量 Nominal Cooling Capacity	W	1500	2700	2700
电源 Power Supply		220V~/50Hz		
整机最大功率 Max Input Power	W	1218	2375	2375
整机最大电流 Max Current	A	5.54	10.8	10.8
电加热功率 Electric Heater Power	W	500	1000	1000
水泵 Pump	额定扬程 Rated Lift	m	20	33
	额定流量 Rated Flow	L/min	12.5	33
水箱容积 Water Tank Volume	L	9.76	12.04	12.04
进出水接口 Water Inlet&Outlet	inch	Rc1/2"		
流量保护 Flow Protection		断开 (Disconnect flow) : $\leq 1.5L/min$		
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	$\pm 0.2 \sim \pm 0.3$	$\pm 0.2 \sim \pm 0.3$	± 0.1
机器净重 Net Weight	kg	40	50	52
外形尺寸L×W×H Unit Dimensions	mm	482×625×311 (7U)	482×750×400 (9U)	482×750×400 (9U)
包装尺寸L×W×H Packing Dimensions	mm	592×735×507	592×860×596	592×860×596

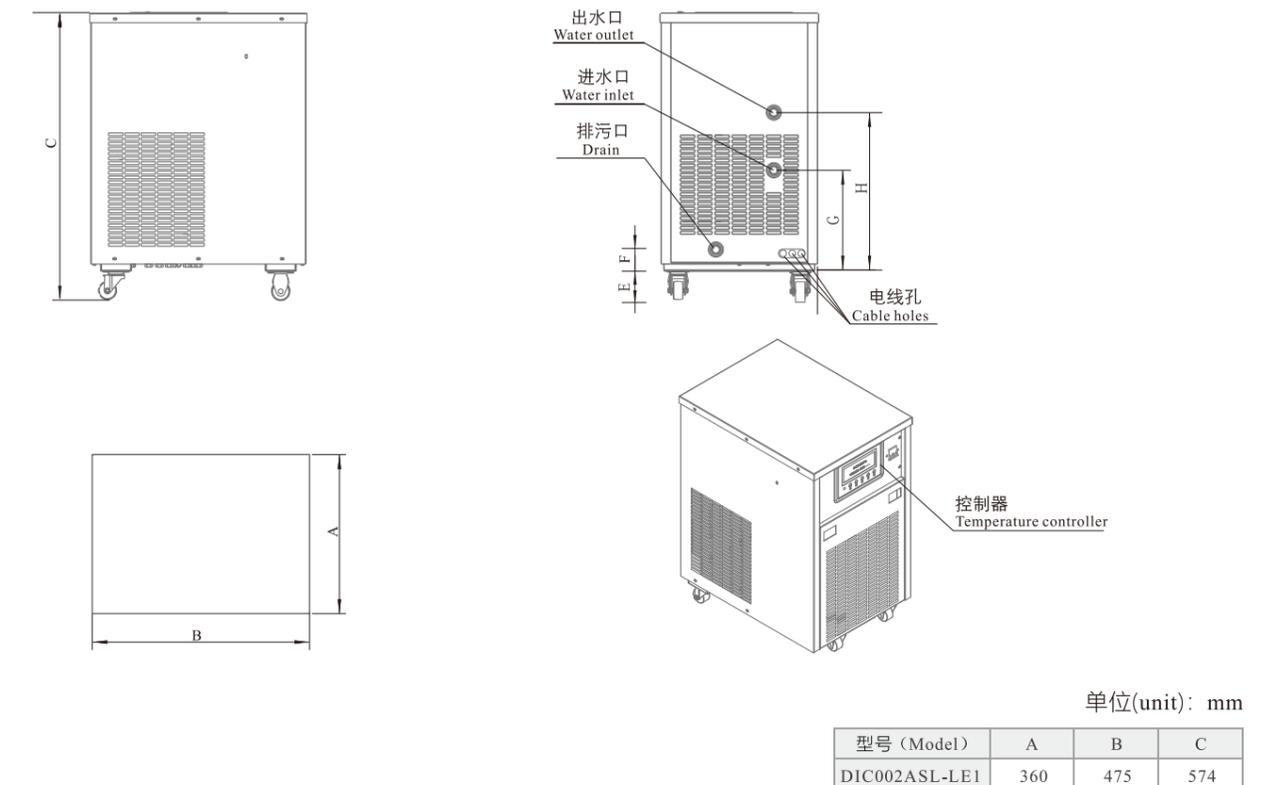
注:
1.以上技术参数基于环境温度30°C, 出水温度为22°C;
2.型号中的"*"代表水泵特性, 分别为, H: 高扬程, S: 超高扬程, 具体参数如上表的水泵项;
Note:
1.Nominal Condition: ambient temperature 30°C, out put water temperature 22°C.
2.Model "*" indicates pump characteristic, H: high-lift,S: Super high-lift, the specific parameters of the water table as mentioned above.

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

Model: DIC004ABH-LC1 DIC004ASH-LC1 DIC005ASH-LG5 DIC010ASH-LG5 DIC010ABH-LG5



Model: DIC002ASL-LE1



UV/ULTRAFAST LASER CHILLERS

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

D UF 20 H A - 01
① ② ③ ④ ⑤ 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、.....

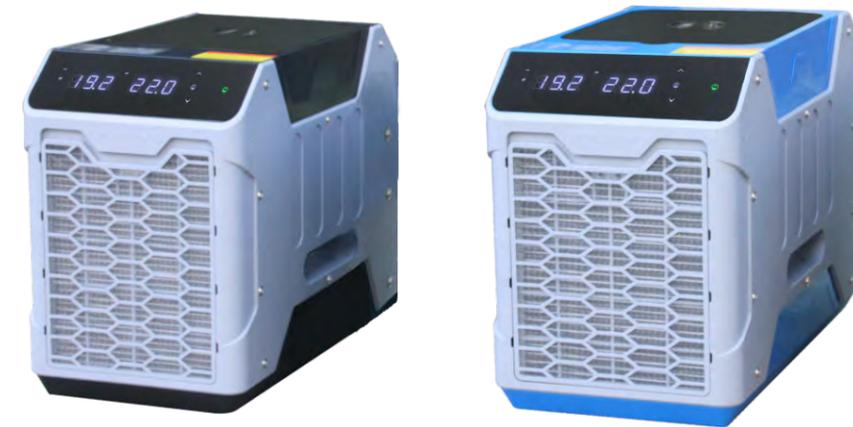
2、紫外激光器冷水机型号命名规则

Type Code Explanation for UV Laser Chillers

D UV 05 L A - 01
① ② ③ ④ ⑤ 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 $\pm 0.1^{\circ}\text{C} \sim 0.2^{\circ}\text{C}$;
 - 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 $\pm 0.1^{\circ}\text{C} \sim \pm 0.2^{\circ}\text{C}$;
 - ◆ 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.

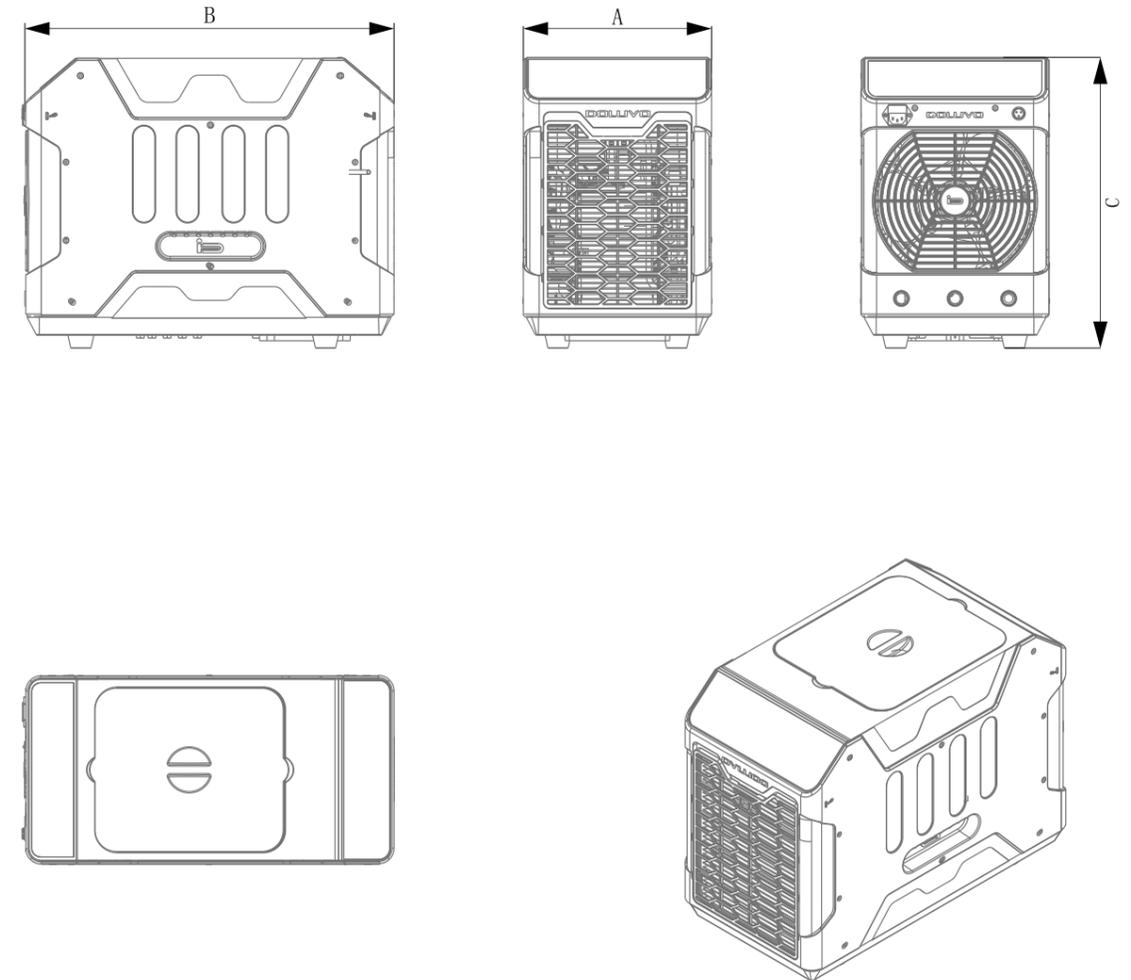
紫外/超快激光器冷水机技术参数
Technical Parameters for UV/Ultrafast Laser Chillers

机器型号 Model		DUV05LA	DUV10HA	DUV15HA	DUF20HA	DUF20SA	DUF30SA
建议匹配激光器 Suggested Matching Laser		3W~5W	10W~20W	20W~30W	20W~30W	20W~30W	30W~50W
名义制冷量 Nominal Cooling Capacity		W 600	1000	1500	1000	1000	1500
电源 Power Supply		220V~/50Hz			220V~/50Hz		
整机最大功率 Max Input Power		W 850	1018	1038	1018	1080	1085
整机最大电流 Max Current		A 3.86	4.6	4.7	4.6	4.8	4.9
电加热功率 Electric Heater Power		W 500	500			500	
水泵 Pump	额定扬程 Rated Lift	m 8	18	18	18	30	30
	额定流量 Rated Flow	L/min 6	10	10	10	10	10
水箱容积 Water Tank Volume		L 7	7			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			断开(Disconnect Flow)≤1.0L/min		
使用范围 Operation Range	环境温度 Ambient Temp.	℃ ≤40	≤40			≤40	
	冷水温度 Water Temp.	℃ 8~30	8~30			8~30	
控温精度 Temp.Stability		℃ ±0.2~±0.3	±0.2~±0.3			±0.1℃	
机器净重 Net Weight		kg 19	19.5	20	19.5	19.5	20
外形尺寸 L×W×H Unit Dimensions		mm 280×550×432	280×550×432			280×550×432	
包装尺寸 L×W×H Packing Dimensions		mm 390×640×484	390×640×484			390×640×484	

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，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, the specific parameters of the water table as mentioned above.

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 DUF20SA DUF30SA



型号 (Model)	A	B	C
DUV05LA	280	550	432
DUV10HA	280	550	432
DUV15HA	280	550	432
DUF20HA	280	550	432
DUF20SA	280	550	432
DUF30SA	280	550	432

INTELLIGENT LASER WATER CHILLER

智能激光冷水机

智能激光冷水机 Intelligent Laser Water Chiller



应用范围 / Applications

- 适用于中高超快激光器，以及需冷却的各类精密加工设备，制冷量从1.6kW至5.2kW。
- ◆ Suitable for medium and high ultrafast lasers, and various precision processing equipment that require cooling, cooling capacity could be from 1.6kW 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.

智能激光冷水机技术参数

Intelligent Laser Water Chiller Technical Parameters

机器型号 Model		DIC002ABS-LC1 -ACB-C	DIC004ABS-LC5 -ACB-C	DIC006ABS-LC5 -ACB-C	DIC010ABS-LC5 -ACB-C	DIC020ABS-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	830	1110	1630	1945	2910
整机最大电流 Max Current	A	3.7	5	7.4	8.8	13.2
电加热功率 Electric Heater Power	W	300	300	500	500	500
水泵 Pump	额定扬程 Rated Lift	m	30	30	36	36
	额定流量 Rated Flow	L/min	12.5	12.5	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分转Φ12mm快插 Rc1/2" 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.	℃	≤40			
	冷水温度 Water Temp.	℃	8~30			5~30
控温精度 Temp.Stability	℃	± 0.1℃				
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	360×497×495	433×600×764	470×657×900	470×657×900
包装尺寸 L×W×H Packing Dimensions	mm	543×670×952	543×670×952	580×767×1082	580×767×1082	580×767×1082

注: (Note:)

1.名义工况参数: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H: 高扬程, S: 超高扬程, 具体参数如上表的水泵项。

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

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

智能激光冷水机技术参数

Intelligent Laser Water Chiller Technical Parameters

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	5.5	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
	额定流量 Rated Flow	L/min	10	10	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分转Φ12mm快插 Rc1/2" 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.	℃	≤40			
	冷水温度 Water Temp.	℃	8~30			5~30
控温精度 Temp.Stability	℃	±0.2 ~ 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	360×497×495	433×600×764	470×657×900	470×657×900
包装尺寸 L×W×H Packing Dimensions	mm	543×670×952	543×670×952	580×767×1082	580×767×1082	580×767×1082

注: (Note:)

1.名义工况参数: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H: 高扬程, S: 超高扬程, 具体参数如上表的水泵项。

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

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

智能激光冷水机技术参数

Intelligent Laser Water Chiller Technical Parameters

机器型号 Model		DIC002ASS-LC1 -ACB-C	DIC004ASS-LC5 -ACB-C	DIC006ASS-LC5 -ACB-C	DIC010ASS-LC5 -ACB-C	DIC020ASS-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	832	1110	1620	2010	2910
整机最大电流 Max Current	A	3.7	5	7.3	9.1	13.2
电加热功率 Electric Heater Power	W	300	300	500	500	500
水泵 Pump	额定扬程 Rated Lift	m	30	30	36	36
	额定流量 Rated Flow	L/min	12.5	12.5	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分转Φ12mm快插 Rc1/2" 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.	℃	≤40			
	冷水温度 Water Temp.	℃	8~30			5~30
控温精度 Temp.Stability	℃	±0.2~0.3?				
机器净重 Net Weight	kg	25	28	60	60	66
外形尺寸 L×W×H Unit Dimensions	mm	360×497×495	360×497×495	433×600×764	470×657×900	470×657×900
包装尺寸 L×W×H Packing Dimensions	mm	543×670×952	543×670×952	580×767×1082	580×767×1082	580×767×1082

注: (Note:)

1.名义工况参数: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H: 高扬程, S: 超高扬程, 具体参数如上表的水泵项。

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

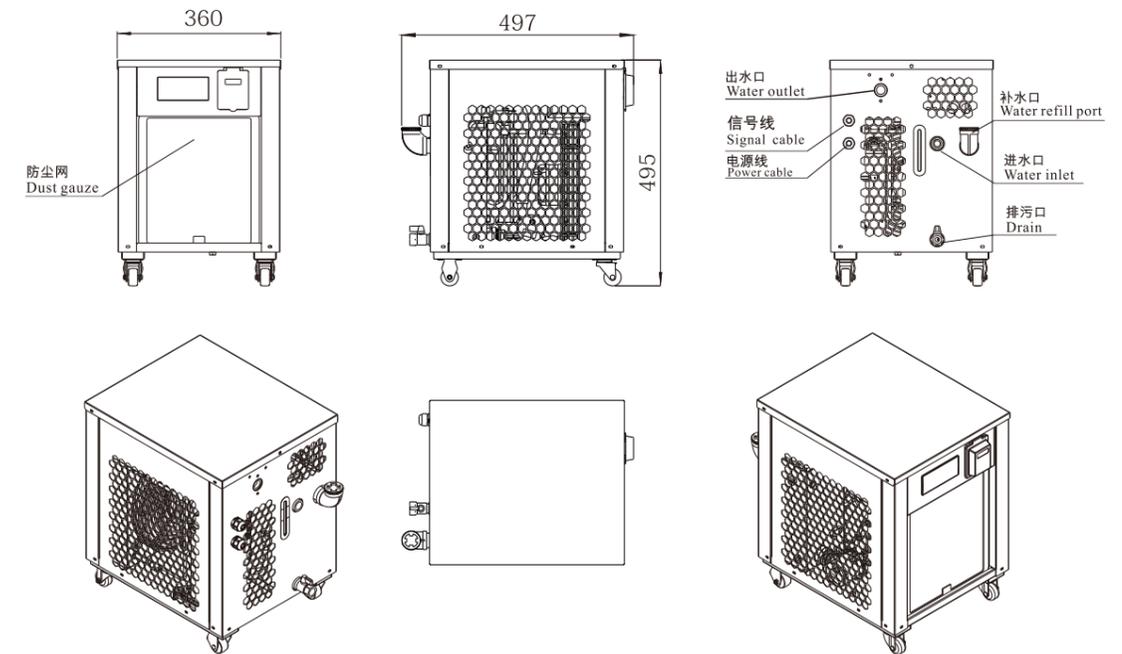
2.Model ** indicates pump characteristic, H: high-lift S: super high-lift, the specific parameters of the water table as mentioned above.

智能激光冷水机技术参数

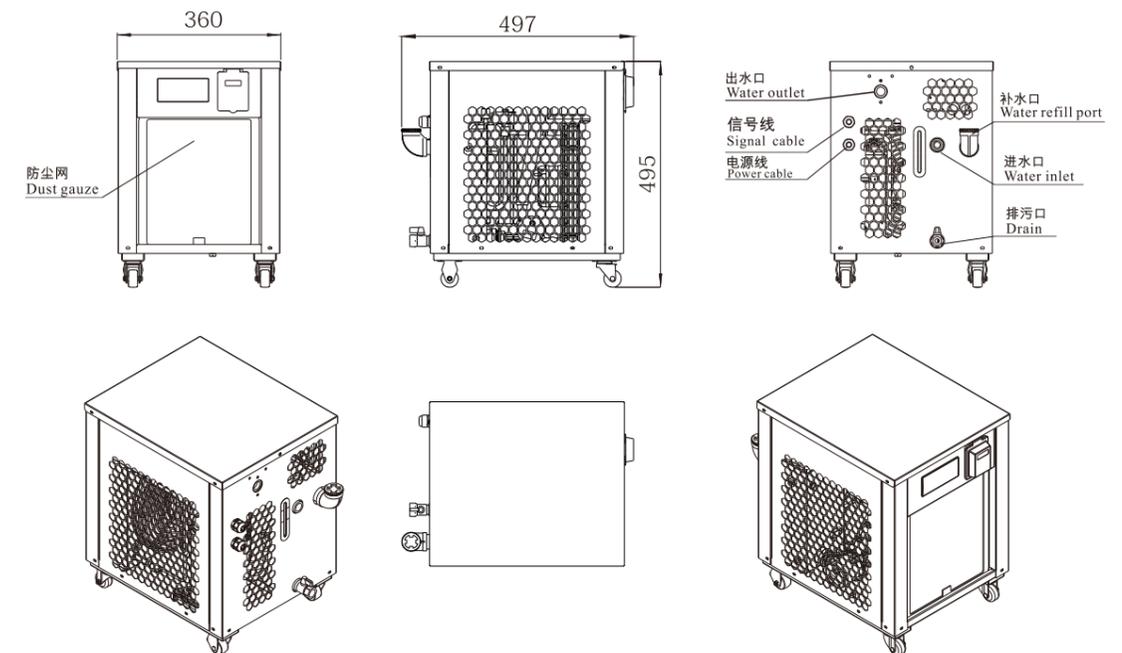
Intelligent Laser Water Chiller Technical Parameters

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

单位(unit): mm



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

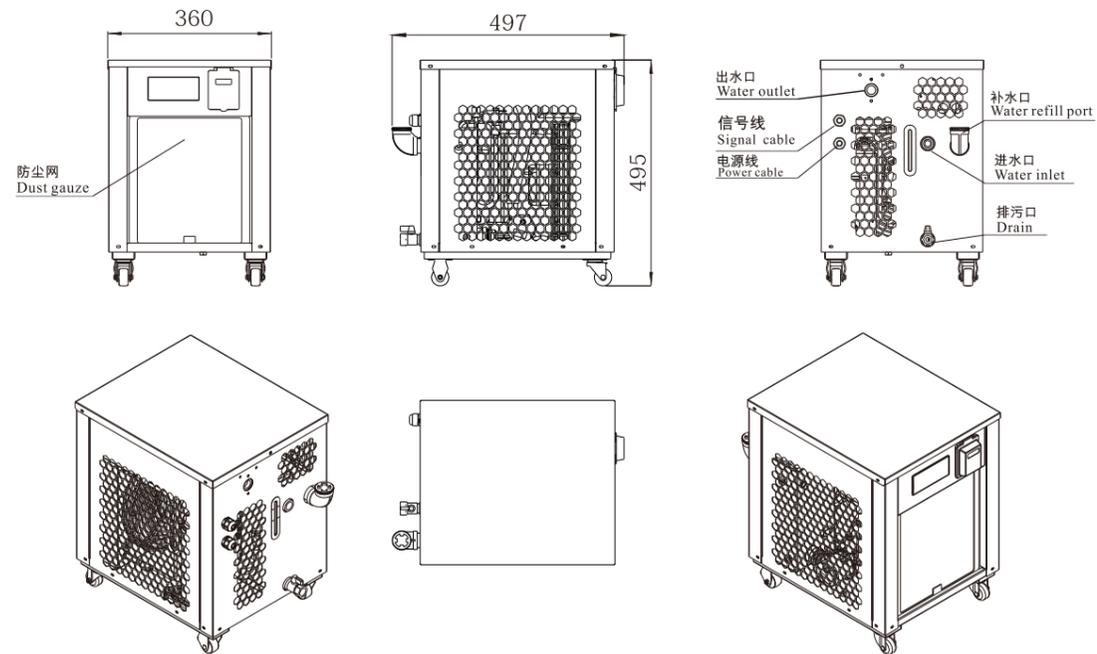


智能激光冷水机技术参数

Intelligent Laser Water Chiller Technical Parameters

Model: DIC002ASS-LC5-ACB; DIC004ASS-LC5-ACB

单位(unit) : mm

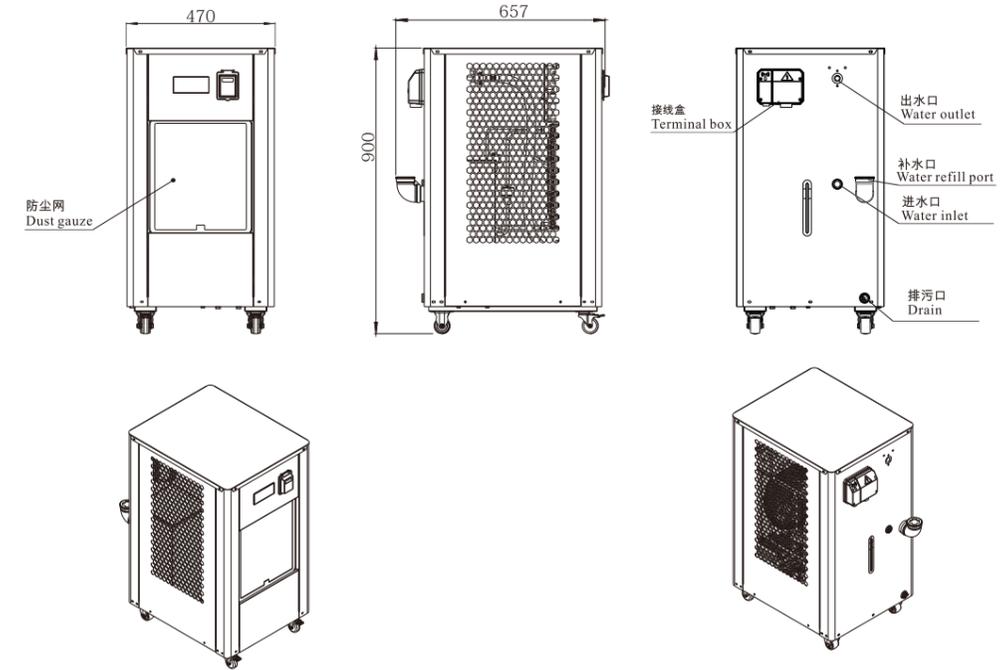


智能激光冷水机外形尺寸图

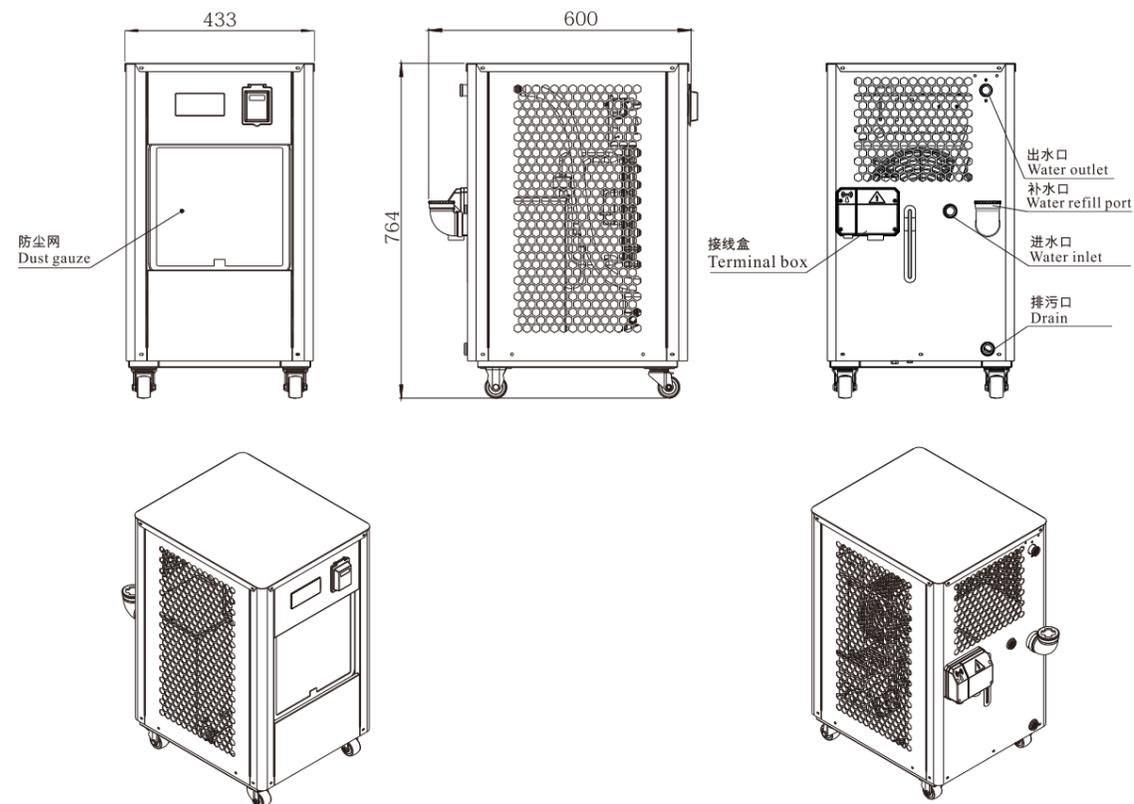
Intelligent Laser Water Chiller Dimensions

Model: DIC010ABS-LC5-ACB; DIC010ASS-LC5-ACB; DIC010ASH-LC5-ACB

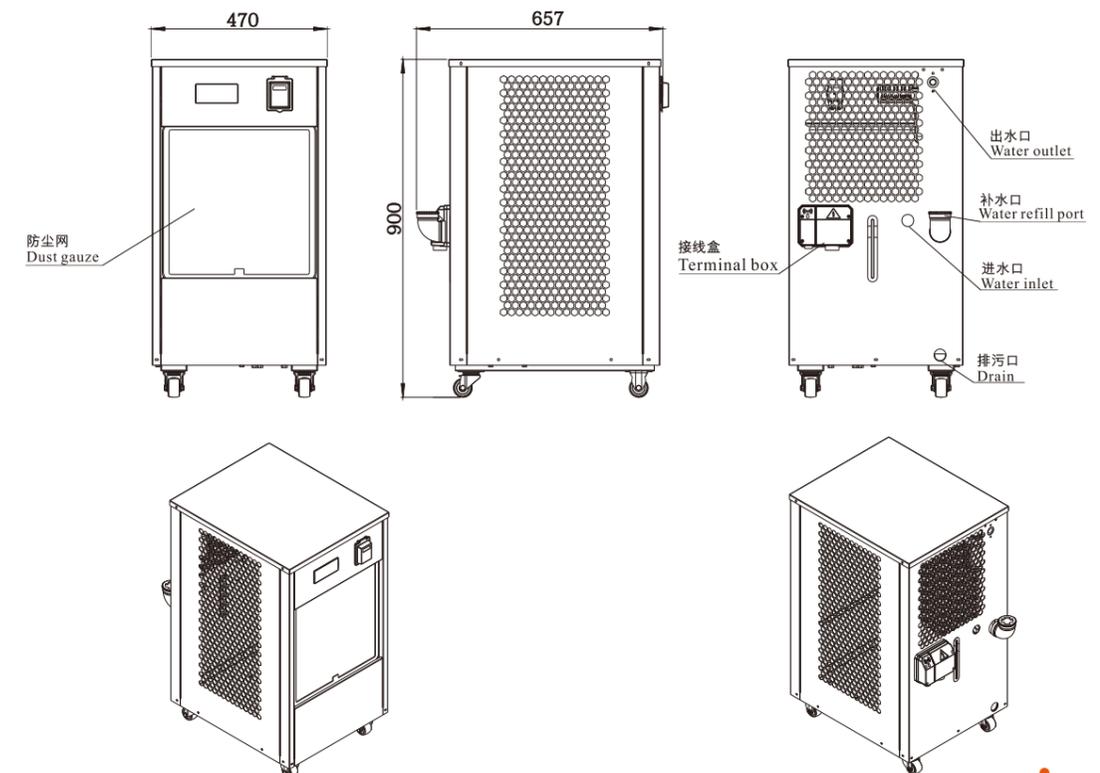
单位(unit) : mm



Model: DIC006ABS-LC5-ACB; DIC006ASS-LC5-ACB; DIC006ASH-LC5-ACB



Model: DIC020ABS-LC5-ACB; DIC020ASS-LC5-ACB; DIC020ASH-LC5-ACB



FIBER LASER DUAL TEMPERATURE AND DUAL CONTROL CHILLER

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 -LD2-AAA-C	DLY1200ADH -LD5-AAA-C	DLY2000ADH -LD2-AAA-C	DLY3000ADH -LD2-FAA-C
建议匹配激光器 Suggested Matching Laser		1000W~1500W	1500W	2000W	2500W~3000W
名义制冷量 Nominal Cooling Capacity		W 2700	3200	5200	8500
电源 Power Supply		220V~/50Hz			380V / 3N~ / 50Hz
整机最大功率 Max Input Power		W 2555	2940	3420	4400
整机最大电流 Max Current		A 11.6	13.3	15.5	7.9
电加热功率 Electric Heater Power		W 1000			
水泵额定扬程 Rated Pump Lift		m 38			45
冷冻水额定流量 Chilled Water Rated Flow		L/min 33			
常温水额定流量 Normal Temp. Water Rated Flow		L/min 2			
冷冻水进出水接口 Chilled Water Inlet & Outlet		4分外牙转F 12mm 快速接头 Rc1/2" external thread convert to F 12mm quick connector			1寸外牙转Φ25mm宝塔 Rc1" external thread convert to F 25mm Barbed connector
常温水进出水接口 Normal Temp. Water Inlet & Outlet		4分外牙转F 10mm快速接头 Rc1/2" external thread convert to F 10mm quick connector			
水箱容积 Water Tank Volume		L 10	15	38	
流量保护 Flow Protect		冻水(Chilled 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)±0.3℃~±0.5℃ 常温水(NT. water)±1.0℃~±2.0℃			
机器净重 Net Weight		kg 69	73	93	151
外形尺寸 L×W×H Unit Dimensions		mm 535×465×915		626×526×1084	610×800×1430
包装尺寸 L×W×H Packing Dimensions		mm 785×555×991		809×620×1143	720×1070×1602

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		DLY1000ADH -LE2-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	1000	2000
水泵额定扬程 Rated Pump Lift		m 33		41.5	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		L/min 2			2	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 Φ12mm quick 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 Φ10mm quick 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

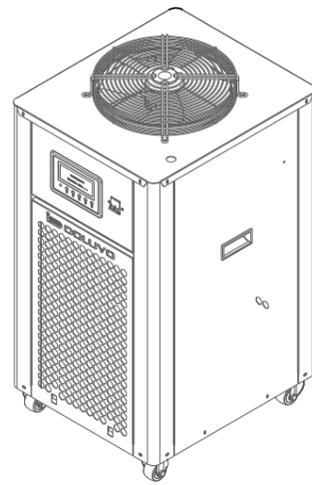
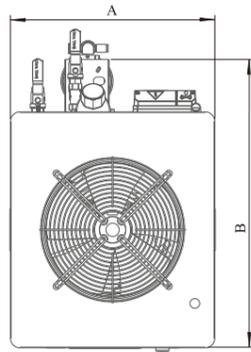
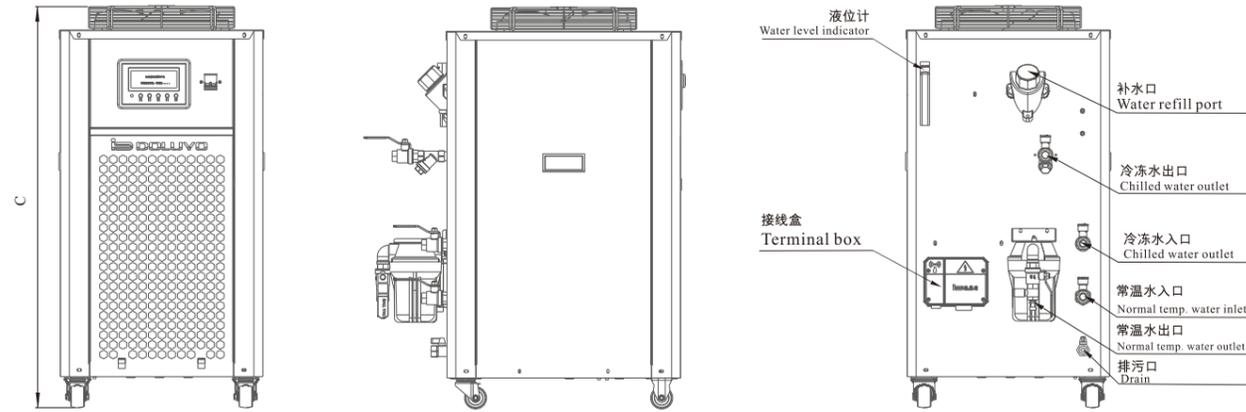
注: 名义工况参数: 环境温度30℃, 出水温度为22℃;

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

光纤激光器双温双控冷水机外形尺寸图

Dimensions for Fiber Laser Dual Temperature And Dual Control Chillers

Model:DLY1000/1200/2000ADH-LD2/LD5-AAA-C



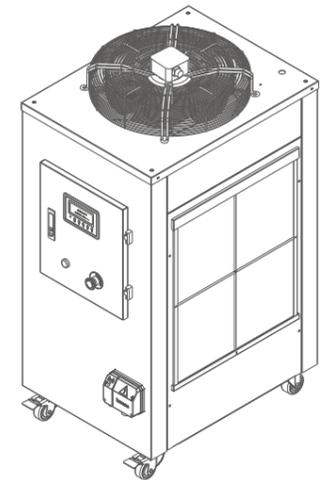
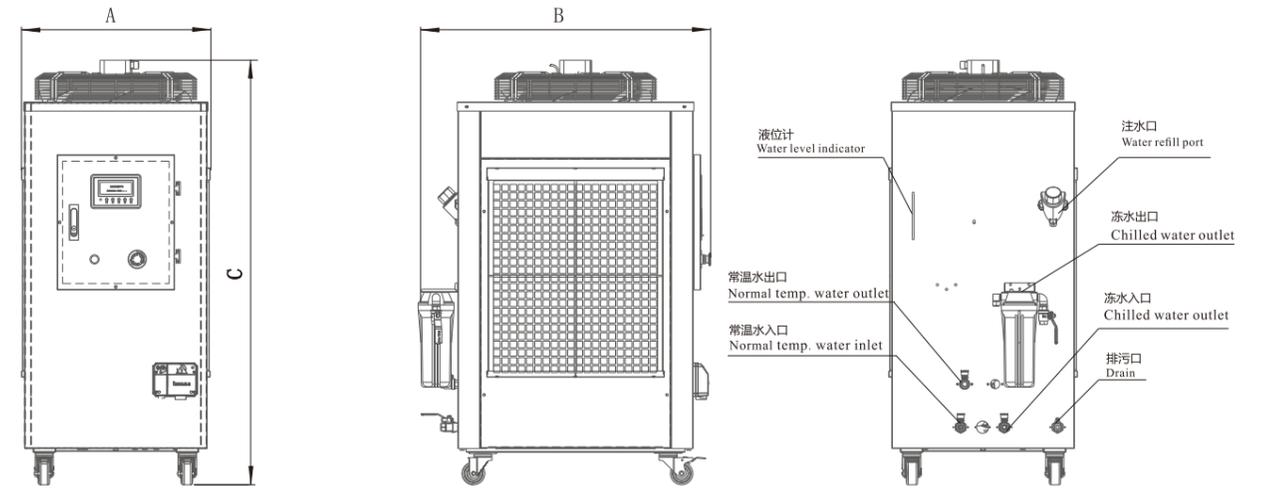
单位(unit):mm

型号(Model)	A	B	C
DLY1000ADH-LD2-AAA-C	535	465	915
DLY1200ADH-LD5-AAA-C	535	465	915
DLY2000ADH-LD2-AAA-C	626	526	1084

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:DLY3000ADH-LD2-FAA-C



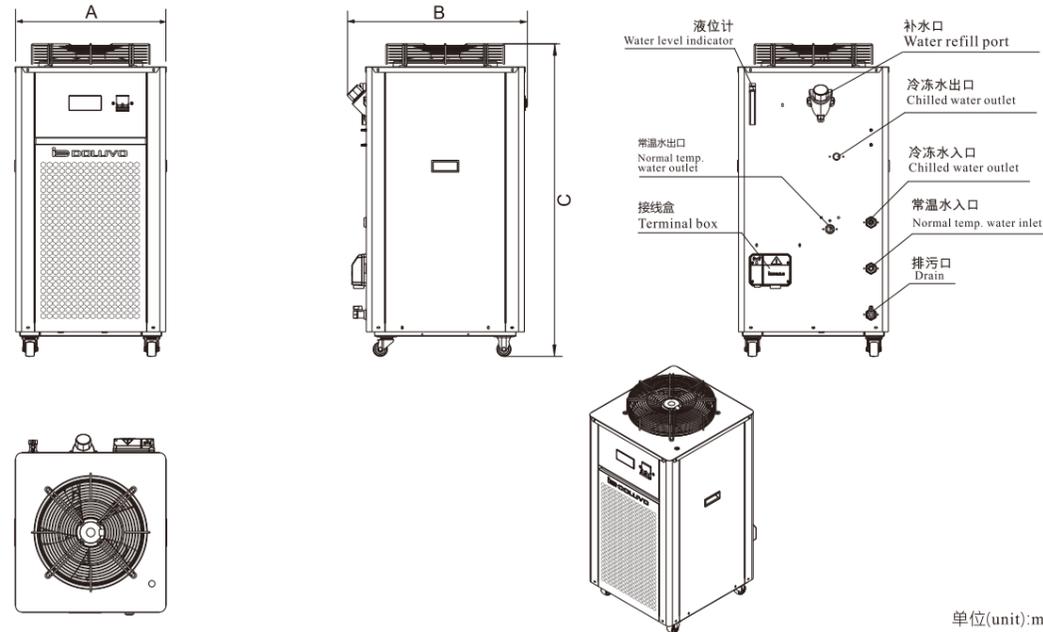
单位(unit):mm

型号 Model	A	B	C
DLY3000ADH-LD2-FAA-C	610	800	1430

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



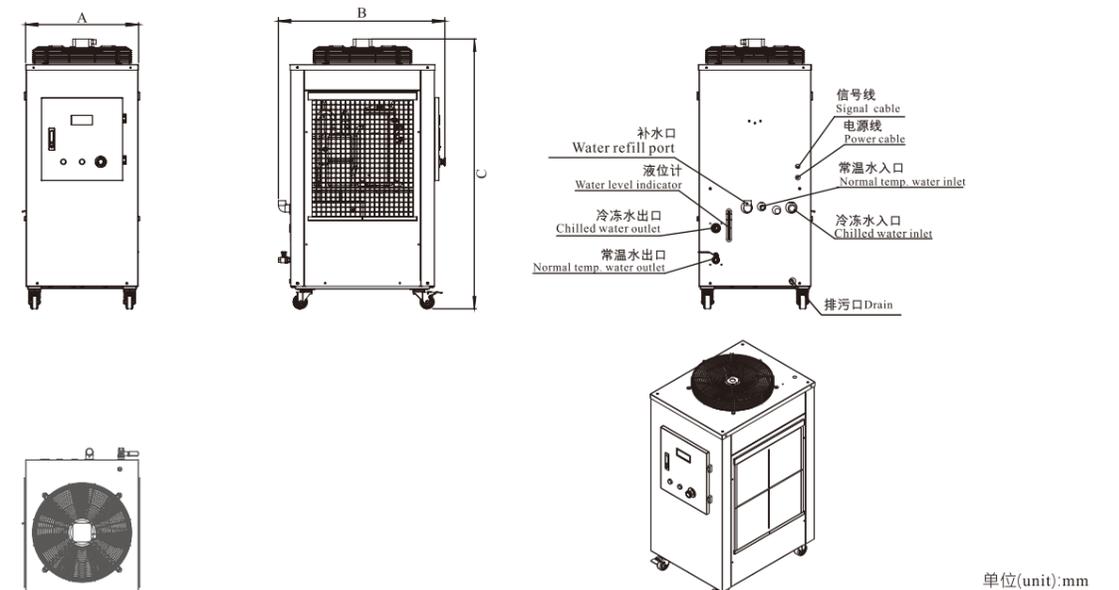
型号(Model)	A	B	C
DLY1000ADH-LE2-AAA-C	600	465	915
DLY2000ADH-LE5-AAA-C	626	526	1084
DLY3000ADH-LE5-AAA-C	660	580	1150

单位(unit):mm

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

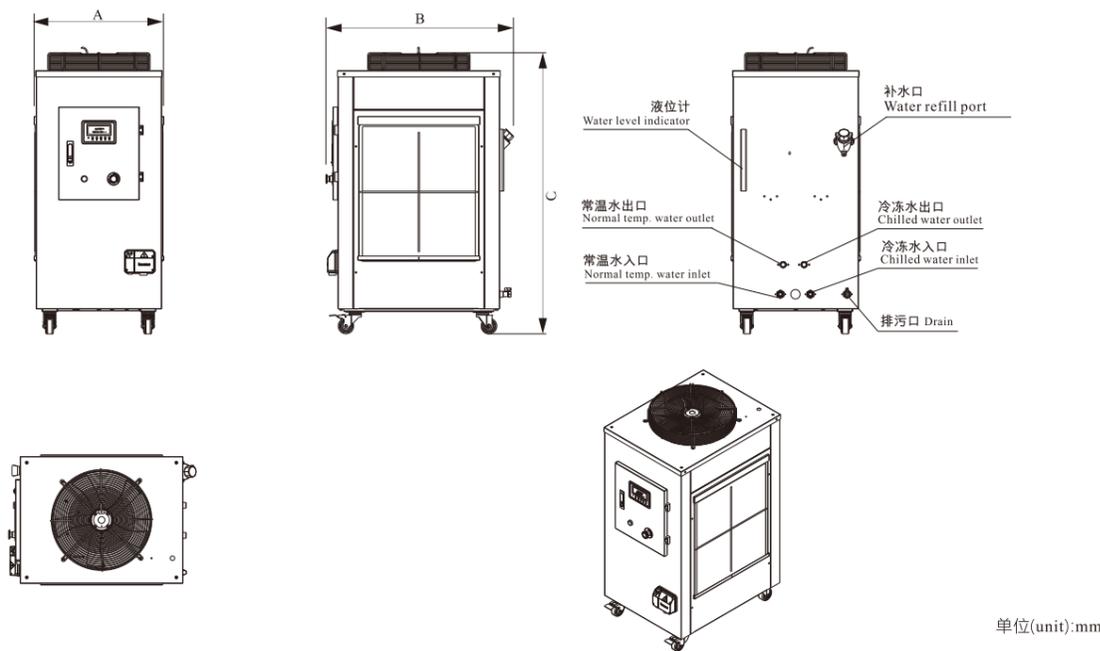
Model:DLY5000ADH-LE2-FBA-C



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

单位(unit):mm

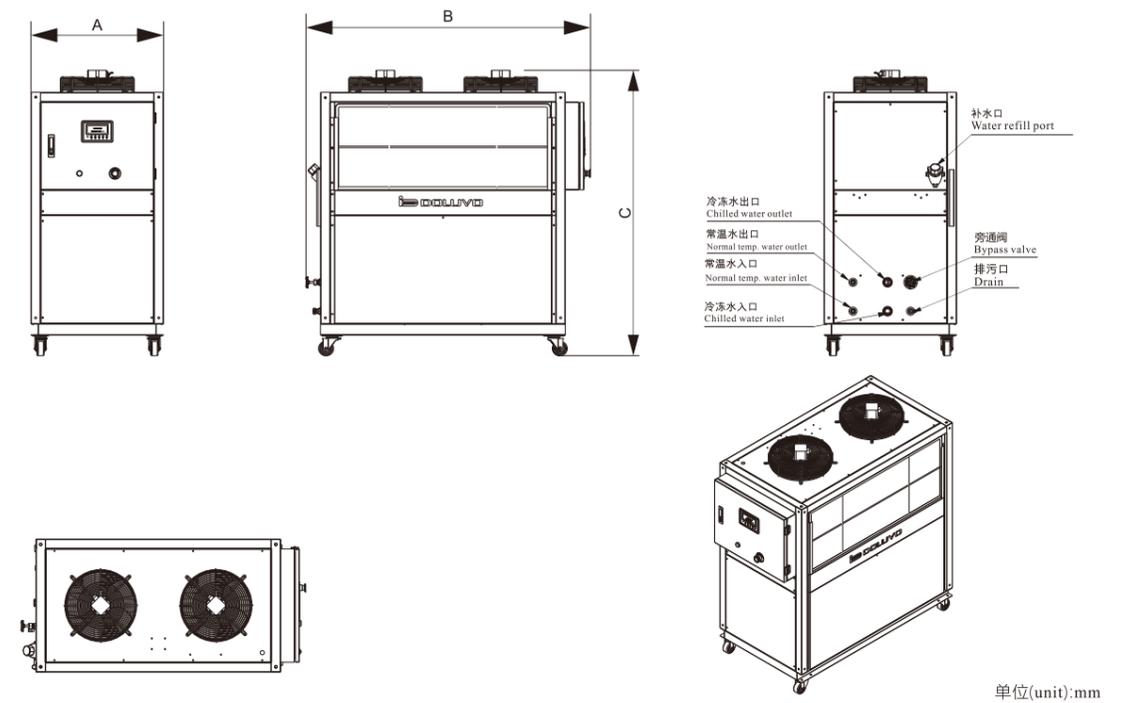
Model:DLY4000ADH-LE5-FAA-C



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

单位(unit):mm

Model:DLY6000ADH-LE5-FAA-C



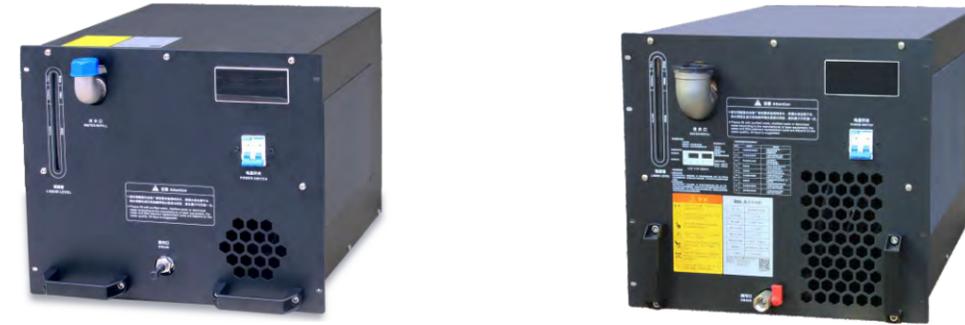
型号(Model)	A	B	C
DLY6000ADH-LE5-FAA-C	690	1545	1530

单位(unit):mm

CHILLERS FOR HANDHELD LASER WELDING MACHINE

手持焊激光冷水机

手持焊激光冷水机 Chillers for Handheld Laser Welding Machine



应用范围 / Applications

- 广泛适用于：1000W~2000W光纤激光器。
- 手持式光纤焊接颠覆了传统的激光焊接机的工作模式，手拿焊接，灵活方便，焊接距离更长，用手持式焊枪替代以前固定光路。这样的操作模式不但有利于光通讯、模具、广告字、厨具、五金、钣金、卫浴等产品及行业的焊接，也使得不锈钢板、冷轧板、镀锌板、铝合金等材料的焊接更为精密，同时也大大提高了激光焊接在室外操作的应用率。
- ◆ Widely applicable for: 1000W~2000W fiber laser
- ◆ Handheld fiber laser welding subvert the previous laser welding machine working mode, handheld welding, flexible and convenient, longer welding distance, with a handheld welding gun instead of the previous fixed optical path. Such operation mode is not only conducive to the welding of optical communication, molds, advertising characters, kitchen utensils, hardware, sheet metal, sanitary ware and other products and industries, but also makes the welding of stainless steel sheet, cold-rolled sheet, galvanized sheet, aluminum alloy and other materials more precise, and at the same time greatly improve the rate of laser welding in outdoor operations.

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 $\pm 0.3^{\circ}\text{C}\sim 0.5^{\circ}\text{C}$ ；
- 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 $\pm 0.3^{\circ}\text{C}\sim\pm 0.5^{\circ}\text{C}$;
- ◆ 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.

手持焊冷水机技术参数

Technical Parameters for Handheld Laser Welding Machine Chillers

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	36
冷冻水额定流量 Chilled Water Rated Flow	L/min	33	
常温水额定流量 Normal Temp. Water Rated Flow	L/min	2	
水箱容积 Water Tank Volume	L	12.04	15.36
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.	°C ≤40	
	冷水温度 Water Temp.	°C 8~30	
控温精度 Temp. Stability	°C	冻水 (Chilled water): ±0.2°C ~ ±0.3°C, 温水 (NT. water): ±1°C ~ ±2°C	
机器净重 Net Weight	kg	55	70
外形尺寸 L×W×H Unit Dimensions	mm	482×750×400 (9U)	482×866×490 (11U)
包装尺寸L×W×H Packing Dimensions	mm	592×860×596	592×930×680

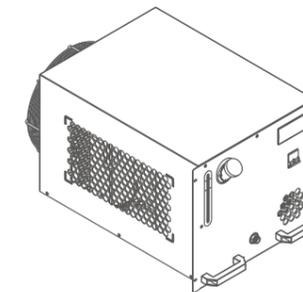
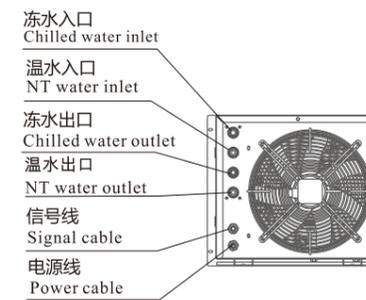
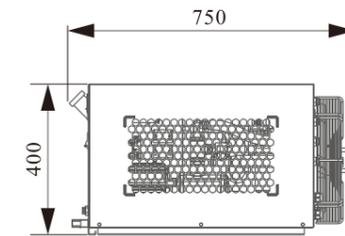
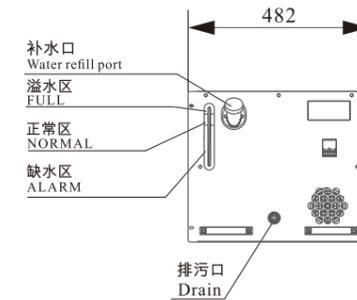
注: 名义工况参数: 环境温度30°C, 出水温度为22°C;

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

手持焊冷水机外形尺寸图

Dimensions for Handheld Laser Welding Machine Chillers

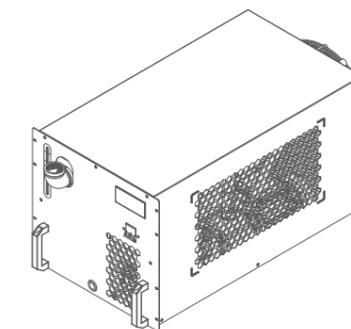
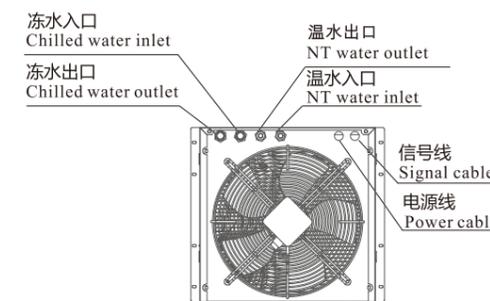
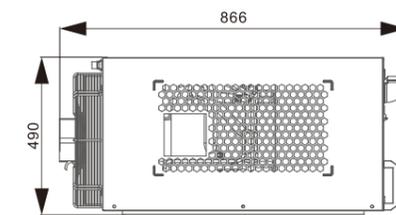
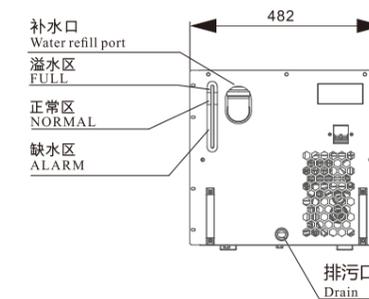
Model: DIC010ADH-LG5



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

YAG LASER CHILLERS

YAG激光器冷水机

YAG激光器冷水机 YAG Laser Chillers



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15kW。
- ◆ Suitable for 100W~600W YAG welding or cutting lasers. Cooling capacity range: 2.7kW to 15kW.

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.

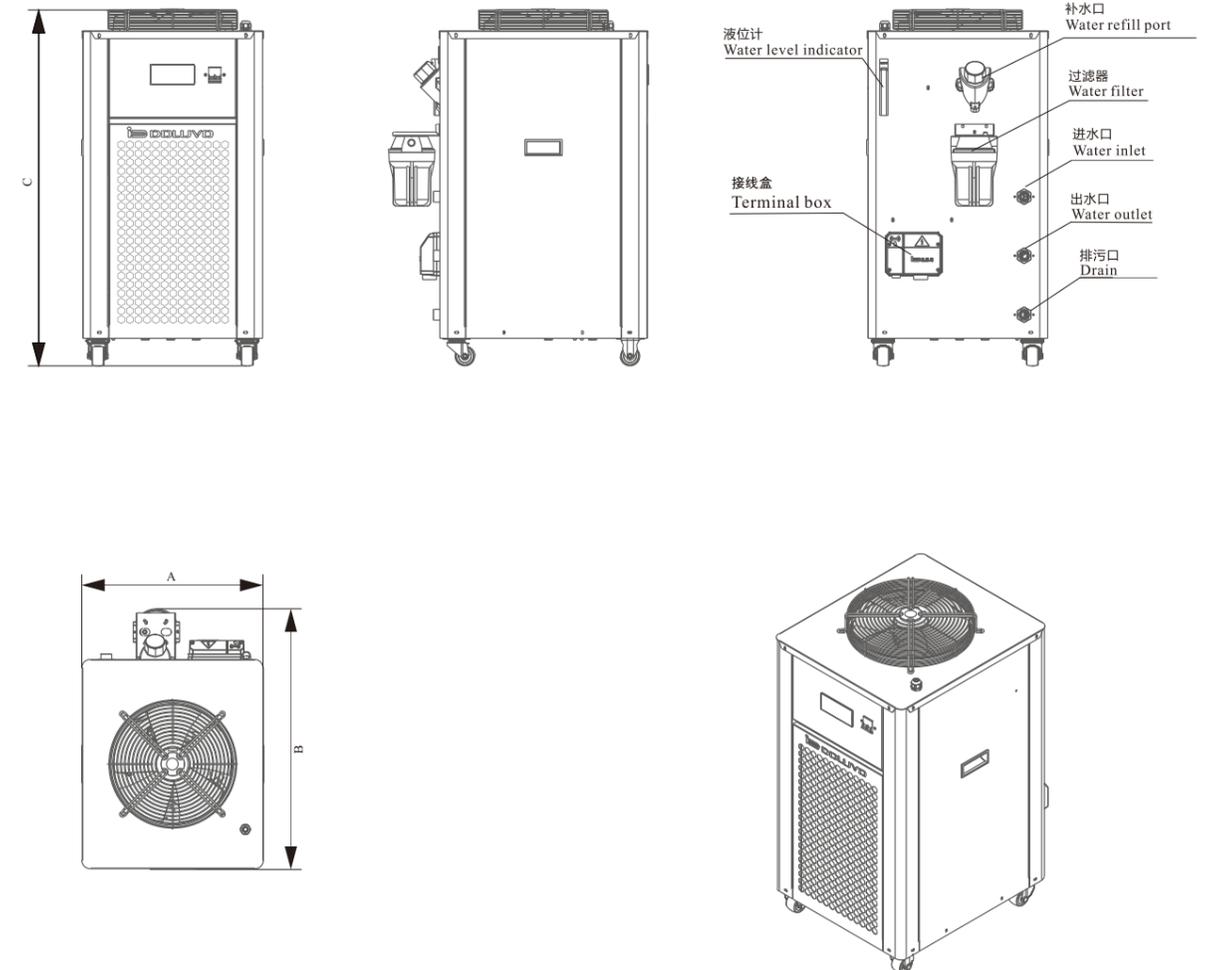
YAG激光器冷水机技术参数 Technical Parameters for YAG Laser Chillers

机器型号 Model		DIC010AS*-LB2	DIC020AS*-LB2	DIC030ASH-LE2	DIC050ASH-LA2	
建议匹配激光器 Suggested Matching Laser		100W~150W	150W~200W	300W~400W	500W~600W	
名义制冷量 Nominal Cooling Capacity		W	2700	5200	8500	14500
电源 Power Supply		220V~/50Hz		380V/3N~/50Hz		
整机最大功率 Max Input Power		W	1340	1745	3085	5480
整机最大电流 Max Current		A	6.09	7.93	6.2	9.78
水泵 Pump	额定扬程 Rated Lift	m	H: 33 S: 47		38	37
	额定流量 Rated Flow	L/min	33		33	66
水箱容积 Water Tank Volume		L	10	15	38	45
进出水接口 Water Inlet&Outlet		inch	Rc1/2"			Rc1"
排污口 Drain		inch	Rc1/2"			
流量开关 Flow Switch			断开(Disconnect flow): ≤1.0L/min	断开(Disconnect flow): ≤2.0L/min	断开(Disconnect flow): ≤8L/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	±1.0°C ~ ±3.0°C		±0.5°C ~ ±1°C	
机器净重 Net Weight		kg	65	100	165	210
外形尺寸 L×W×H Unit Dimensions		mm	462×663×905	526×645×1100	610×800×1430	605×900×1617
包装尺寸 L×W×H Packing Dimensions		mm	610×800×1082	645×790×1312	720×1070×1602	715×1060×1790

注:
1.以上技术参数基于环境温度30°C, 出水温度为22°C;
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°C, out put water temperature 22°C.
2.Model "**" indicates pump characteristic, L: low-lift H: high-lift S: superhigh-lift, the specific parameters of the water table as mentioned above.

YAG激光器冷水机外形尺寸图 YAG Laser Chiller Dimensions

Model:DIC010/020AS*-LB2

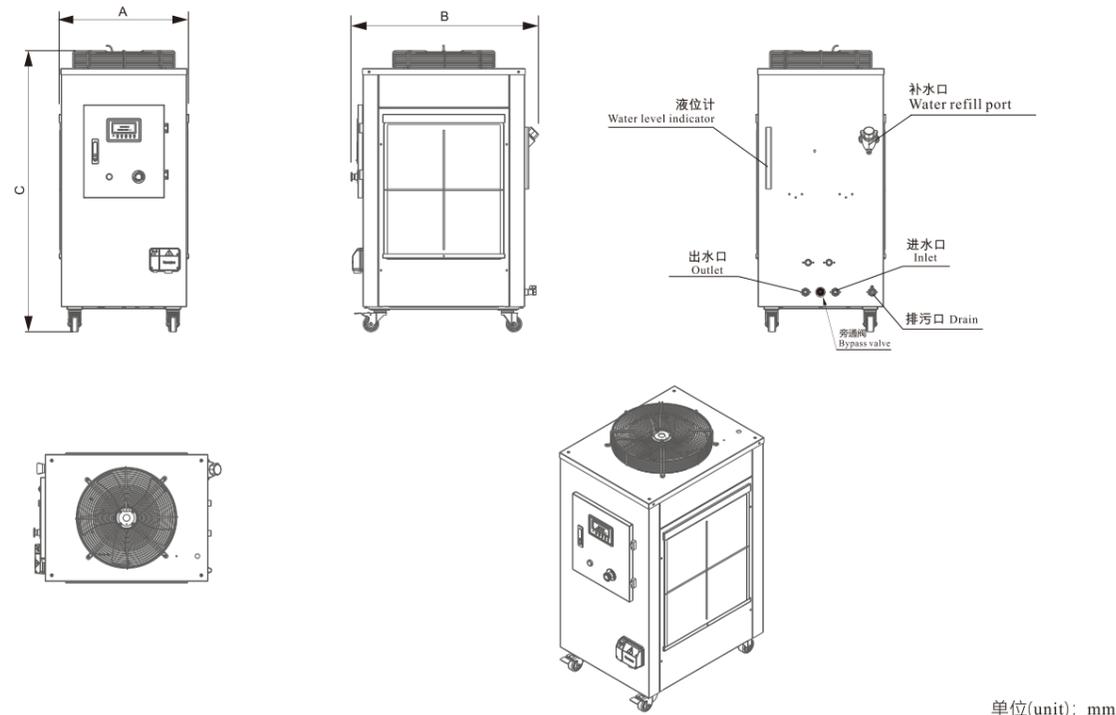


单位(unit): mm

型号 (Model)	A	B	C
DIC010AS*-LB2	462	663	905
DIC020AS*-LB2	526	645	1100

YAG激光器冷水机外形尺寸图 YAG Laser Chiller Dimensions

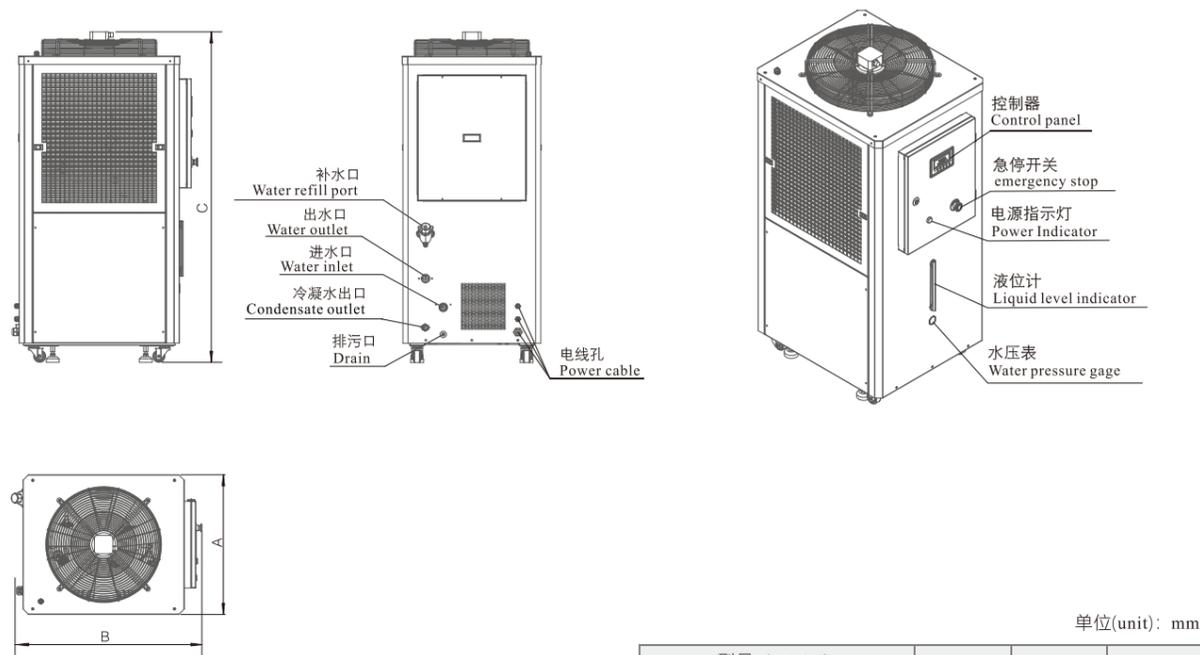
Model: DIC030ASH-LE2



单位(unit): mm

型号 (Model)	A	B	C
DIC030ASH-LE2	610	800	1430

Model: DIC050ASH-LA2



单位(unit): mm

型号 (Model)	A	B	C
DIC050ASH-LA2	605	900	1617

INDUSTRIAL WATER CHILLER

工业冷水机

工业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: CO2 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、.....

工业冷水机 Industrial Water 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，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-head or double-head glass tube laser, cooling capacity 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；
 - 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；
 - 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。
- ♦ Small dimensions, high cooling capacity, economic and convenient, high efficiency and stable;
 - ♦ All refrigeration components are top brand in the industry, fan speed adjustable, electric expansion valve for energy regulating.
 - ♦ 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.

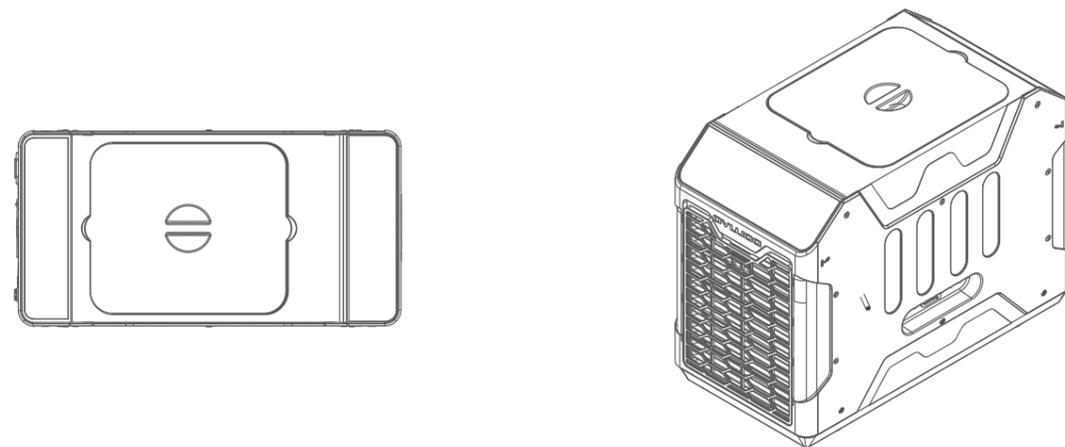
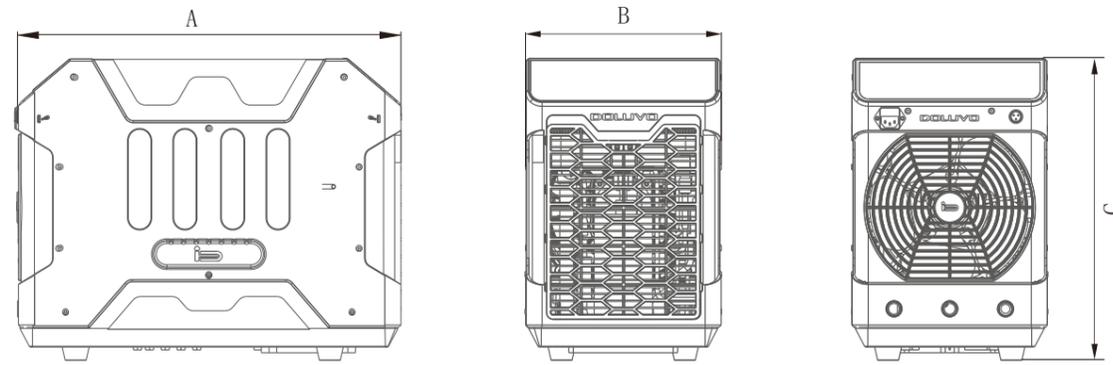
工业冷水机技术参数 Industrial Water Chiller Technical Parameters

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℃.

工业冷水机外形尺寸图
Industrial Water 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 CHILLERS FOR NEW
ENERGY WELDING INDUSTRY

新能源焊接行业专用水冷式冷水机

新能源焊接行业专用水冷式冷水机
Water Cooled Chillers for New Energy Welding Industry



应用范围 / Applications

- 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
- 切割、熔覆、清洗等半导体泵浦激光器冷却制冷量从2.7kW ~ 90kW
- ◆ High speed spindle cooling for machining center
- ◆ CNC lathe, CNC engraving machine cooling
- ◆ Laser welding and cutting for automotive battery industry
- ◆ All kind of Diode pump lasers cooling, applying in welding, cutting, cladding, cleaning and other
Cooling capacity range: 2.7 kW ~ 90 kW

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.

新能源焊接行业专用水冷式冷水机技术参数
Technical Parameters for New Energy Welding Industry Water Cooled Laser Chillers

机器型号 Model		DIC010WDH -LA5	DIC020WDH -LA5	DIC030WDH -LA5	DIC040WDH -LA5	DIC050WDH -LA5	DIC060WDH -LA5
名义制冷量 Nominal Cooling Capacity	W	2700	5200	8500	10800	15000	17000
电源 Power Supply		220V~/50Hz		380V/3N~/50Hz		380V/3N~/50Hz	
温控显示 Digital display		数码显示 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	3780	5095	6270	5950	6750
整机最大电流 Max Current	A	11	14.8	9	11.2	10.6	12
电加热功率 Electric Heater Power	W	1000		1700		2000	
水泵 Pump	额定扬程 Rated Lift	m	33	41.5	47.5	47.5	
	额定流量 Rated Flow	L/min	33	33	67	66	
水箱容积 Water Tank Volume	L	14.5	41.4		50		
冻水进出水口 Chilled Water Inlet & Outlet	inch	Rc1/2"		Rc1"		Rc1"	Rc3/4"
冷却水进出水口 Cooling Water Inlet & Outlet	inch	Rc3/4"		Rc1"		Rc1"	
温水进出水口 NT Water Inlet & Outlet	inch	Rc1/2"		Rc1/2"		Rc1/2"	
流量开关 Flow Switch		断开(Disconnect Flow) ≤1.5L/min		断开(Disconnect Flow) ≤6.0L/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	≤35			≤40	
	冷却水流量 Cooling Water Flow	L/min	≥10	≥20	≥30	≥40	≥50
控温精度 Temp.Stability	°C	冻水 (Chilled water) ±0.3°C, 温水 (NT.water)±1°C					
机器净重 Net Weight	kg	60	66	120	122	180	185
外形尺寸 L×W×H Unit Dimensions	mm	485×640×740		585×755×925		605×926×1185	
包装尺寸 L×W×H Packing Dimensions	mm	595×750×926		695×865×1105		715×1020×1370	

注：以上技术参数基于冷却水进/出水温度30°C/35°C，冷冻水出水温度为22°C；
Note: The above technical parameters based on the cooling water inlet / outlet temperature of 30 °C / 35 °C, chilled water temperature 22 °C；

新能源焊接行业专用水冷式冷水机技术参数

Technical Parameters for New Energy Welding Industry Water Cooled Laser Chillers

机器型号 Model		DIC010WSH -LA5	DIC020WSH -LA5	DIC030WSH -LA5	DIC040WSH -LA5	DIC050WSH -LA5	DIC060WSH -LA5
名义制冷量 Nominal Cooling Capacity	W	2700	5200	8500	10800	15000	17000
电源 Power Supply		220V~/50Hz		380V/3N~/50Hz		380V/3N~/50Hz	
温控显示 Digital display		数码显示 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	3305	5395	6570	6680	7645
整机最大电流 Max Current	A	11.05	15.02	13.74	15.29	10.1	11.8
电加热功率 Electric Heater Power	W	500		850		1000	
水泵 Pump	额定扬程 Rated Lift	m	33	36	37.5	37	
	额定流量 Rated Flow	L/min	33	33	67	66	
水箱容积 Water Tank Volume	L	14.5		41	41	50	
冻水进出水口 Chilled Water Inlet & Outlet	inch	Rc1/2"		Rc1"		Rc1"	
冷却水进出水口 Cooling Water Inlet & Outlet	inch	Rc3/4"		Rc1"		Rc1"	
流量开关 Flow Switch		断开(Disconnect Flow) ≤1.5L/min		断开(Disconnect Flow) ≤6.0L/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	≥10	≥20	≥30	≥40	≥50
控温精度 Temp.Stability	°C	±0.3°C					
机器净重 Net Weight	kg	85	90	115	118	175	180
外形尺寸 L×W×H Unit Dimensions	mm	485×640×740		585×755×925		605×926×1185	
包装尺寸 L×W×H Packing Dimensions	mm	595×750×926		695×865×1105		715×1020×1370	

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

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

新能源焊接行业专用水冷式冷水机技术参数

Technical Parameters for New Energy Welding Industry Water Cooled Laser Chillers

机器型号 Model		DIC120WSH -LA2	DIC150WSH -LA2	DIC200WSH -LA2	DIC240WSH -LA2	DIC300WSH -LA2	
名义制冷量 Nominal Cooling Capacity	W	36000	46000	61000	70000	90000	
电源 Power Supply		380V/3N~/50Hz					
整机最大功率 Max Input Power	W	11180	14720	19700	22360	29440	
整机最大电流 Max Current	A	21.24	27.97	37.43	42.48	55.94	
水泵 Pump	额定扬程 Rated Lift	m	40		45		
	额定流量 Rated Flow	L/min	66		133		
冷冻水 Chilled Water	水温范围 Water Temp	°C	8~30				
	水箱容积 Water Tank Volume	L	250		390		
	进/出水口 Inlet&Outlet	inch	Rc1-1/2"		Rc2"		
冷却水 Cooling Water	进水水温 Inlet Water Temp.	°C	≤35				
	水流量 Water Flow	L/min	133	170	225	250	337
	进/出水口 Inlet&Outlet	inch	Rc2"		Rc2-1/2"		
控温精度 Temp. Stability	°C	±1.0°C ~ ±3.0°C					
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)					
机器净重 Net Weight	kg	441	493	784	808	912	
外形尺寸 L×W×H Unit Dimensions	mm	1440×905×1450	1440×905×1460	1995×1120×1600			
包装尺寸 L×W×H Packing Dimensions	mm	1650×1015×1640	1650×1015×1650	2105×1230×1790			

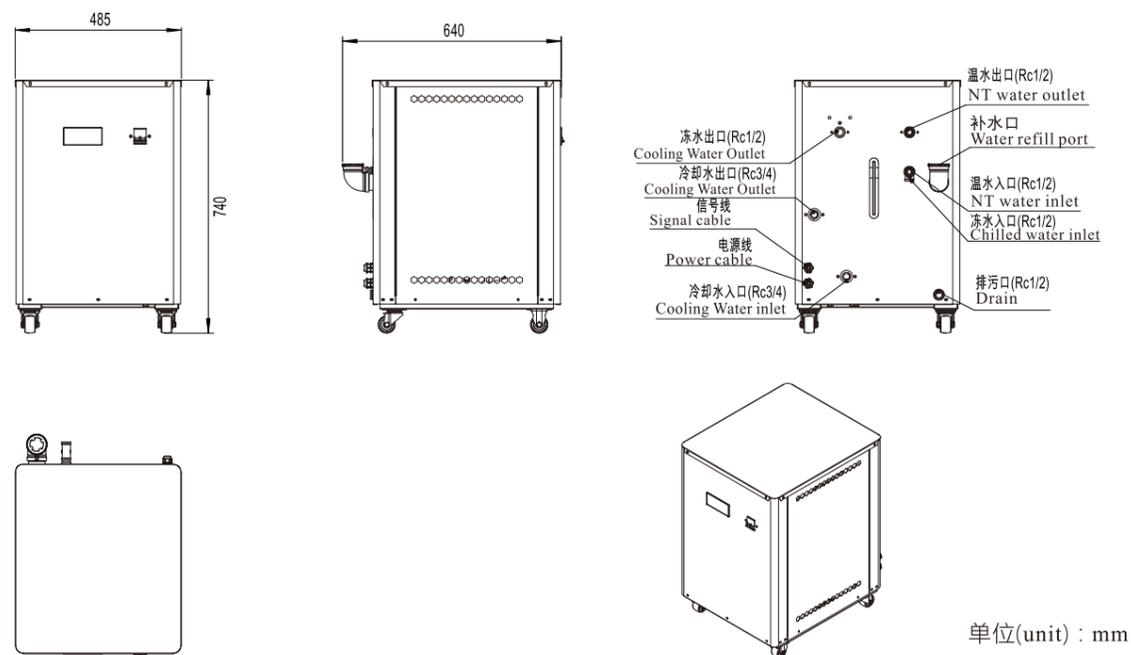
注：以上技术参数基于冷却水进/出水温度30°C/35°C，冷冻水出水温度为22°C；

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

新能源焊接行业专用水冷式冷水机外形尺寸图

Dimensions for New Energy Welding Industry Water Cooled Laser Chiller

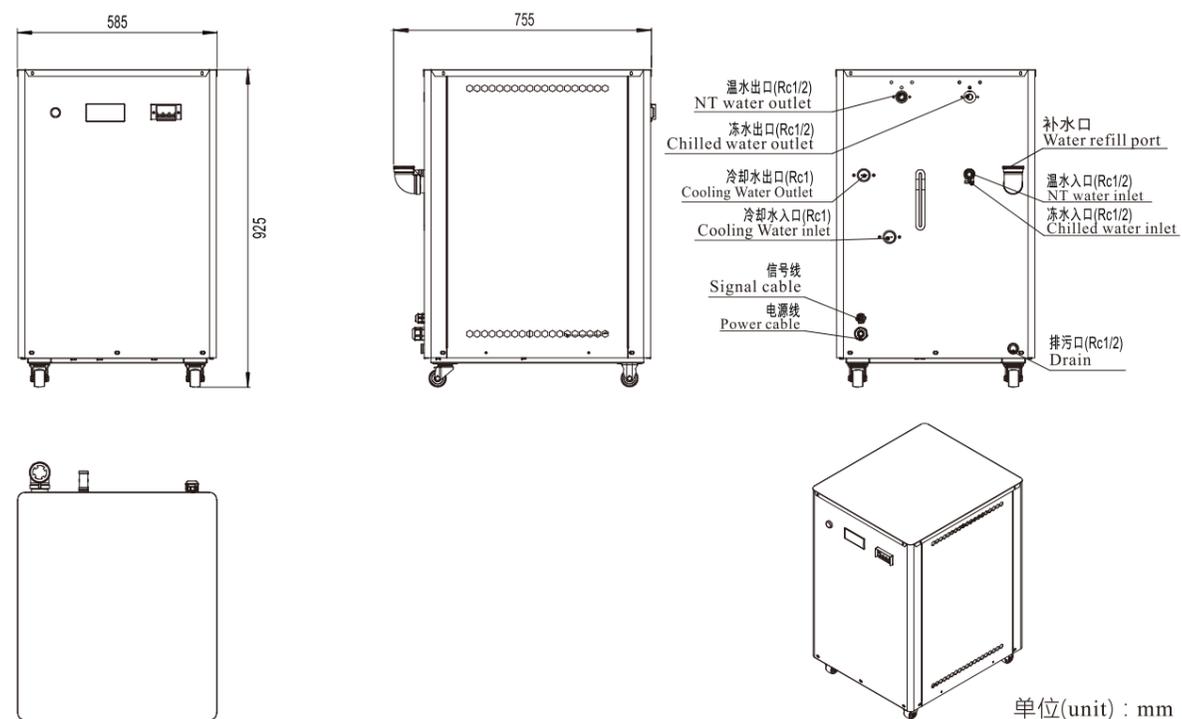
Model: DIC010~020WSH/WDH-LA5



单位(unit) : mm

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

Model: DIC030~040WSH/WDH-LA5



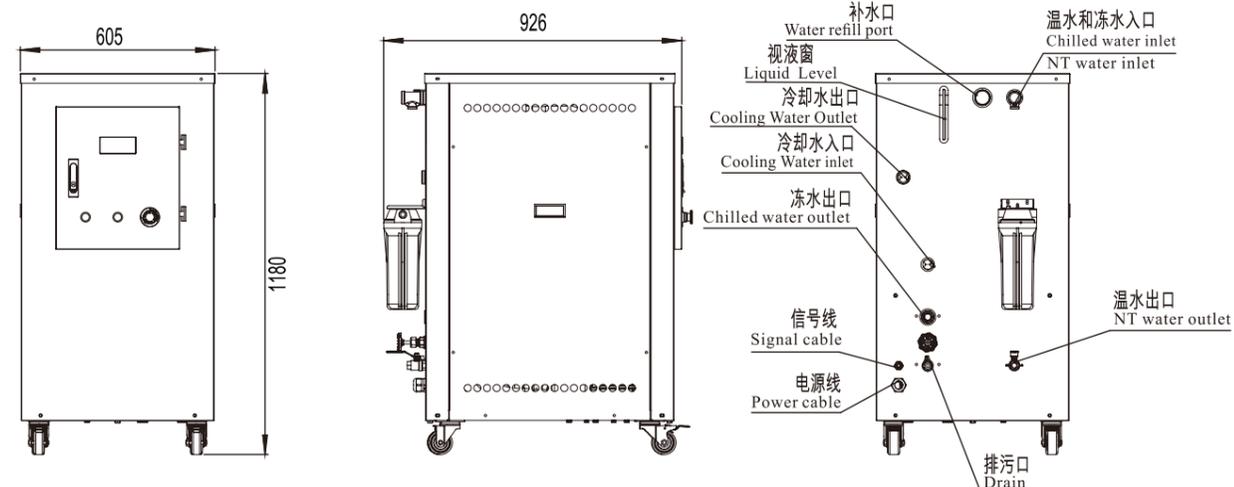
单位(unit) : mm

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

新能源焊接行业专用水冷式冷水机外形尺寸图

Dimensions for New Energy Welding Industry Water Cooled Laser Chiller

Model: DIC050~060WSH/WDH-LA5



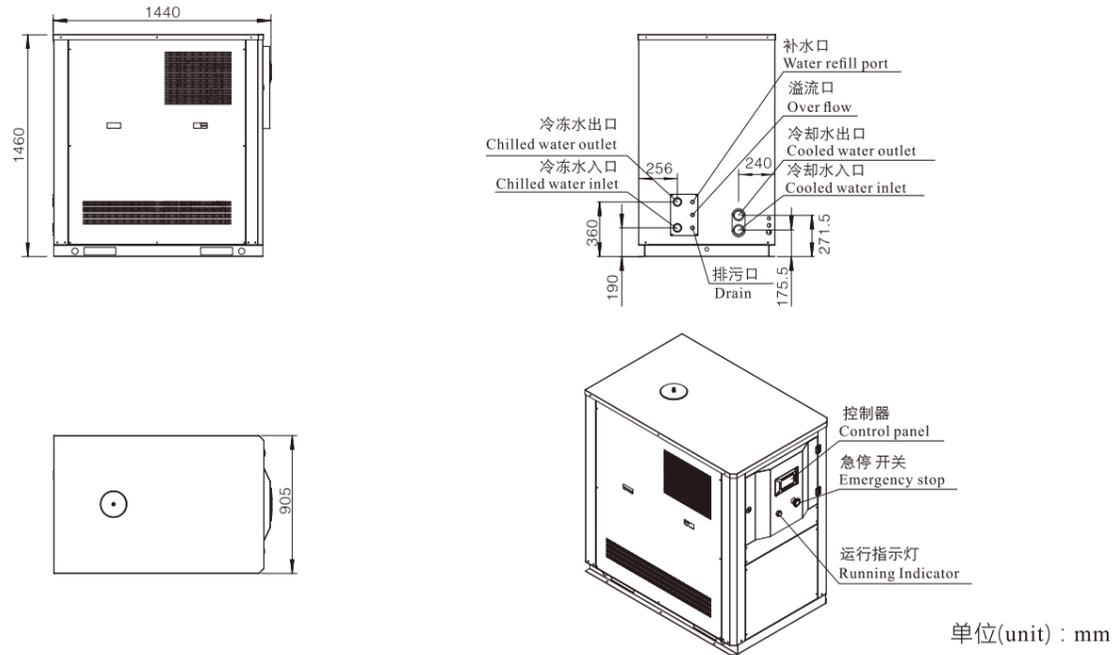
单位(unit) : mm

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

新能源焊接行业专用水冷式冷水机外形尺寸图

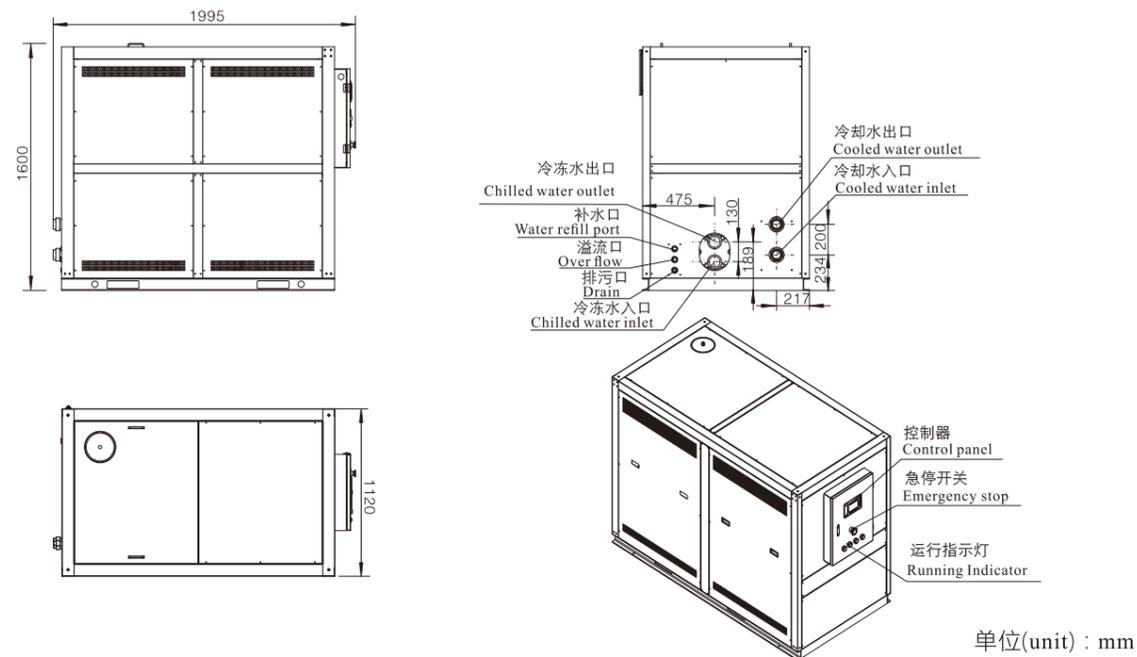
Dimensions for New Energy Welding Industry Water Cooled Laser Chiller

Model: DIC120/150WSH-LA2



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

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



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



其它工业设备冷水机



应用范围 / Applications

- 加工中心高速电主轴冷却
- CNC车床、CNC雕刻机冷却
- 各种激光焊接、切割、熔覆、清洗等CO₂激光器冷却
- 各种激光焊接、切割、熔覆、清洗等半导体泵浦激光器冷却制冷量从9kW ~ 90kW
- ◆ High speed spindle cooling for machining center
- ◆ CNC lathe, CNC engraving machine cooling
- ◆ All kind of CO₂ laser cooling, like Laser welding, cutting, cladding, cleaning cooling etc.
- ◆ All kind of Diode pump lasers cooling, applying in welding, cutting, cladding, cleaning and other
Cooling capacity range: 9 kW ~ 90 kW

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、工业PVC给水管，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, PVC tubes and connectors, no corrosion.
- ◆ Multiple alarm protection functions and provide passive signal output.

机器型号 Model		DIC070ASH-LE2	DIC080ASH-LE2	DIC100ASH-LE2	DIC120ASH-LE2
名义制冷量 Nominal Cooling Capacity	W	19000	23000	29000	36000
电源 Power Supply		380V/3N~ /50Hz			
整机最大功率 Max Input Power	W	7200	8200	10950	12280
整机最大电流 Max Current	A	12.8	14.6	19.5	23
水泵 Pump	额定扬程 Rated Lift	m	39		45
	额定流量 Rated Flow	L/min	66		133
水箱容积 Water Tank Volume	L	140		130	
进出水接口 Water Inlet&Outlet	inch	Rc1"			
流量开关 Flow Switch		导通(Operate flow) : ≥ 10.0L/min 断开 (Disconnect flow) : ≤ 8.0L/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	±1.0°C ~ ±3.0°C			
机器净重 Net Weight	kg	350	440	610	650
外形尺寸 L×W×H Unit Dimensions	mm	690×1530×1545	800×1800×1835	850×1980×1972	
包装尺寸 L×W×H Packing Dimensions	mm	974×1910×2007		1020×2060×2172	

注：名义工况参数:环境温度30°C，出水温度为22°C;

Note: Nominal Working Condition: ambient temperature 30°C, out put water temperature 22°C.

工业设备风冷式冷水机技术参数

Technical Parameters for Industrial Equipment Air-cooled Chillers

机器型号 Model		DIC150ASH-LE2	DIC200ASH-LD2	DIC240ASH-LD2	DIC300ASH-LD2
名义制冷量 Nominal Cooling Capacity	W	46000	61000	70000	90000
电源 Power Supply		380V/3N~/50Hz			
整机最大功率 Max Input Power	W	15820	23040	25700	32780
整机最大电流 Max Current	A	28.2	43.78	48.83	62.28
水泵 Pump	额定扬程 Rated Lift	m	45		
	额定流量 Rated Flow	L/min	133		
水箱容积 Water Tank Volume	L	130	570	670	
进出水接口 Water Inlet&Outlet	inch	Rc1"	Rc1-1/2"		Rc2"
流量开关 Flow Switch		导通 (Operate flow) : $\geq 10.0\text{L/min}$ 断开 (Disconnect flow) : $\leq 8.0\text{L/min}$			
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	$\pm 1.0^\circ\text{C} \sim \pm 3.0^\circ\text{C}$			
机器净重 Net Weight	kg	660	930	950	1200
外形尺寸 L×W×H Unit Dimensions	mm	850×1980×1972	920×2410×1970		1130×2810×2020
包装尺寸 L×W×H Packing Dimensions	mm	1020×2060×2172	1170×2660×2200		1380×3060×2250

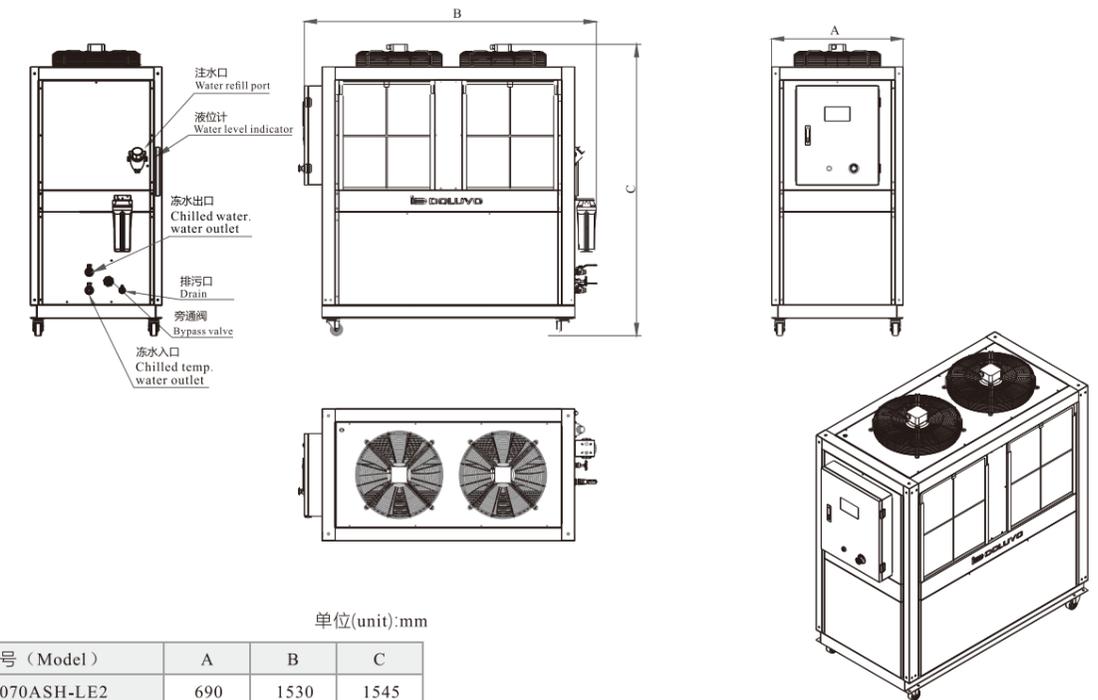
注：名义工况参数：环境温度30℃，出水温度为22℃；

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

工业设备风冷式冷水机外形尺寸图

Industrial Equipment Air Cooled Chiller Dimensions

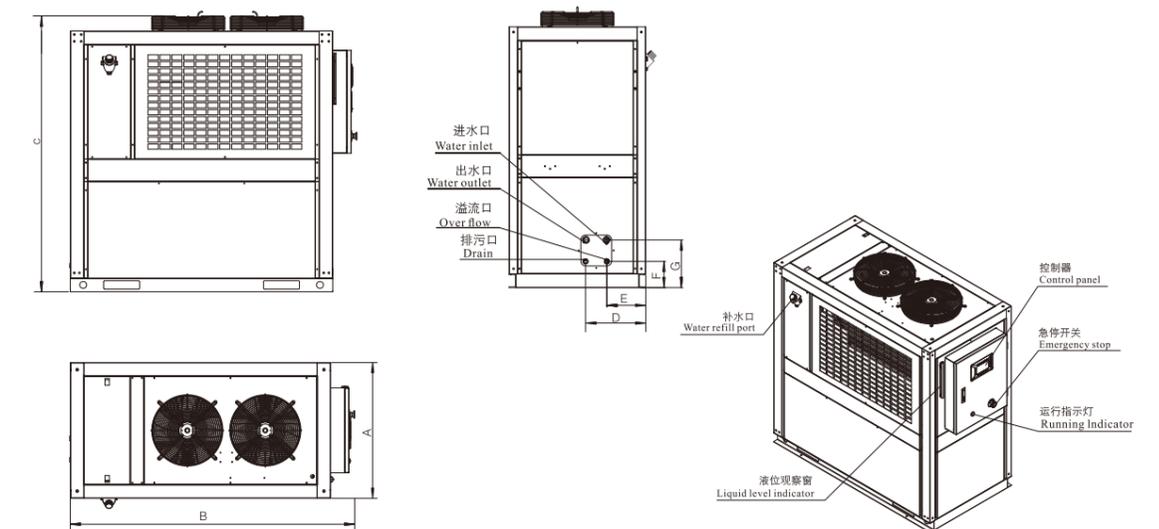
Model: DIC070~150ASH-LE2



单位(unit):mm

型号 (Model)	A	B	C
DIC070ASH-LE2	690	1530	1545
DIC080ASH-LE2	800	1800	1835
DIC100/120/150ASH-LE2	850	1980	1972

Model: DIC200~300ASH-LD2



单位(unit) : mm

型号 (Model)	A	B	C
DIC200/240ASH-LD2	920	2410	1970
DIC300ASH-LD2	1130	2810	2020