



CHILLERS
制冷机组系列
A13

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机电设备安装工程专业承包壹级资质
the First-grade Certification of Electromechanical Equipment Installation
ISO9001质量管理体系认证
Certified by ISO9001 quality system
ISO14001环境管理体系认证
Certified by ISO14001 environment system
首批荣获国家质检总局颁发全国工业产品生产许可证
First got the refrigeration equipment
production permit issued by National Quality Testing Bureau

Unit Type Air Conditioner

Cooling And Heating Type

单元式空气调节机

冷热风型



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以前我们认识世界，现在世界认识我们
We explored the world before, the world exploring us now.

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Dezhou Yatai Group Co.,Ltd

Dezhou Yatai Air Conditioning Equipment Co.,Ltd
Dezhou Yajia Refrigeration and Air Conditioning Engineering Co., Ltd.
Dezhou Yatai Group Installation Co., Ltd.
Dezhou Yatai Glass Fiber Reinforced Equipment Co.,Ltd

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亚太的品牌理念

全力推动创新科技的应用

致力于人类生活品质的提升、让科技引领生活

创世界满意品牌

THE CONCEPT OF YATAI BRAND

Promotes,with full strength,the application of innovative technology.Strives for the extension of living quality for human being,let the science and technology lead the new life and creates world satisfactory brand.

全球信赖品质

World Trusted Quality



德州亚太集团是国内大型中央空调制冷系统集成供应商。

集多年潜心研究，博采众长自成体系，打造出一流的中央空调全套设备和众多精品工程。国内以中央电视台新址、酒泉卫星发射中心、国家质检总局、三峡工程及近二十个北京奥运场馆等为代表，国外以巴基斯坦乌奇电厂、柬埔寨金边市大都会广场、印度帕帕多拉工程为代表的重点项目，采用了亚太中央空调设备，长期稳定，节能环保，获得了广泛的赞誉。

ISO9001、14001、3C、UL、CE、CRAA 等一系列认证；主机列入节能产品政府采购清单、数十项国家专利、国家级高新技术企业、中国驰名商标，充分标明了亚太集团的管理水平和产品水平。

与荷兰阿波罗合资，以欧洲标准制造的洁净设备全部返销发达国家、中央空调设备相继进入十几个国家和地区，展示亚太集团已经步出国门，与国际接轨。

植根齐鲁大地，秉持“以人为本”的经营理念，崇尚“以德待人”的儒家文化，亚太集团愿与您共同开创明天的辉煌。

Dezhou Yatai Group is a supplier of large central air conditioning and refrigeration system in China.

Yatai has developed whole set of advanced central air conditioner and lots of wonderful projects based on long-term research and features of the others. Many famous projects adopted Yatai central air conditioners that run smoothly, save energy, protect environment and won good reputation widely like the New CCTV, the Jiuquan Satellite Launching Center, the General Bureau of National Quality Inspection, Three-gorge Engineering Project, over 20 Beijing Olympic Stadiums and others in China; the UCH Power Plant in Pakistan, the Phnom Penh Capital Squire in Cambodia, the Priyadarshini Jurala Project in India and others across the world.

Yatai has certified by ISO9001, 14001, 3C, UL, CE, CRAA and others; its chiller names have been put on the government purchasing list as energy saving products and obtained dozens of national patents, National High-technology Enterprise and Chinese Famous Trademark, which show the managements and product qualities of Yatai Group.

The filtering equipment made by the joint venture, co-invested with Dutch Afro Company, according to the European Standards air exported fully to the developed countries; the central air conditioners have exported to over 10 countries or regions, which show that Yatai Group has stepped into oversea market and been in the line with the international.

Located at Shandong Province, insisting on business idea of "humanism" and advocating the Confucianism of "getting along with people by morality" Yatai Group wishes to create a brilliant future with you.



中国德州亚太集团
CHINA DEZHOU YATAI GROUP



以一流技术研制全方位产品

Developing the omni-directional products by the first-class technology

使用精品 造就精品

世界著名制造商生产的最现代化装备和领先同行业的高科技含量是亚太始终保持竞争优势的强力保证

Using high-quality goods Making high-quality goods

The most modernized equipment produced by world famous manufacturers and the high-tech content leading in the field are always strong guarantees of Yatai's advantages.

全球信赖品质

World Trusted Quality



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Honorable Qualification



CHILLERS

制冷机组系列

CUnit Type Air Conditioner

Cooling And Heating Type

单元式空气调节机

冷热风型

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离心式水冷冷水机组
Centrifugal water cooled water chiller



水冷冷水机组
Water-cooling chiller system



地下环路式（地埋管）水源热泵机组
Underground water source heat pump unit



地下水式水源热泵机组
Underground water circulating type water source heat pump unit



风冷冷（热）水机组
Air cooled cold/hot water chiller



超低温风冷冷（热）水机组
Ultra-low temperature air cooled cold/hot water chillers



低环境温度空
Low ambient temperature

Unit Type Air Conditioner

Cooling And Heating Type

单元式空气调节机

冷热风型

CHILLERS

制冷机组系列





产品介绍 Profile

特点及适应范围 Features and application

“亚太”牌单元式空气调节机—冷热风型，是在借鉴了国内外同类设备的优点基础上，自主研发的适用于对环境温度自动调节的空调机组，其结构紧凑、性能可靠、操作维护方便。

该类机组主要适用于厂房车间、精密机械制造、电力设备中心、医疗卫生、各类实验室及办公场所等对温度有一定要求的场所。

本产品执行标准 GB/T17758-2023 《单元式空气调节机》，产品分为两大系列：

1、风冷型：单机制冷量6-285kW，送风量1200-48000m³/h。

2、水冷型：单机制冷量8-300kW，送风量1200-48000m³/h。

- ※ 选用国际知名品牌的压缩机和制冷配件。
- ※ 选用专用型电脑控制器及液晶显示人机界面。
- ※ 钢性结构，坚固耐用。
- ※ 根据需要可预留RS-485通讯接口，便于集中监控。
- ※ 完善的各种保护措施。

Yatai unit type air conditioner--cooling and heating type is developed independently by our company through borrowing merits of like products from both home and abroad, which can regulate ambient temperature automatically.

Its advantages include compact structure, reliable performance, easy operation and maintenance.

This unit is mainly suitable for workshops, precision machinery manufacturing area, power equipment center, medical and health care, all kinds of labs and offices which have certain requirement for temperature.

The executive standard of this product is GB/T17758-2023 "Unit Type Air Conditioner" which can be divided into two categories.

1. Air cooled type: The cooling capacity of a single unit is 6-285kW; air supply volume is 1200-48000m³/h.

2. Water cooled type: The cooling capacity of a single unit is 8-300kW; air supply volume is 1200-48000m³/h.

- ※ Equipped with world famous compressors and components
- ※ Equipped with special computer control and liquid-crystal man-machine interface
- ※ Strong and durable steel structure
- ※ RS-485 communication interface can be reserved as required to facilitate centralized monitoring
- ※ All kinds of perfect protection measures



离心式水冷冷水机组
Centrifugal water cooled water chiller



水冷冷水机组
Water-cooling chiller system



地下环路式（地埋管）水源热泵机组
Underground water circuit (piped) water source heat pump unit



地下水式水源热泵机组
Underground water circulating type water source heat pump unit



风冷冷（热）水机组
Air cooled cold/hot water chiller



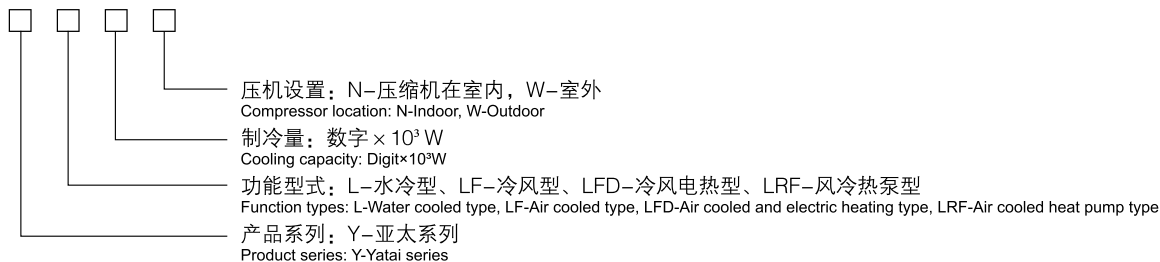
超低温风冷冷（热）水机组
Ultra-low temperature air cooled cold/hot water chillers



低环境温度空
Low ambient temperature

型号命名

Nomenclature

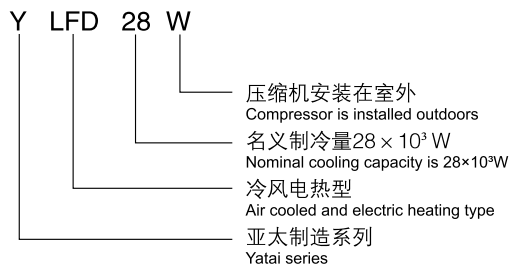


示例：

For Example:

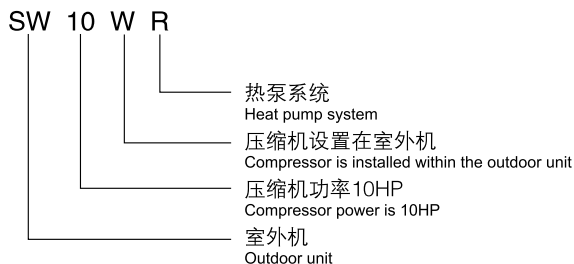
室内机

Indoor unit



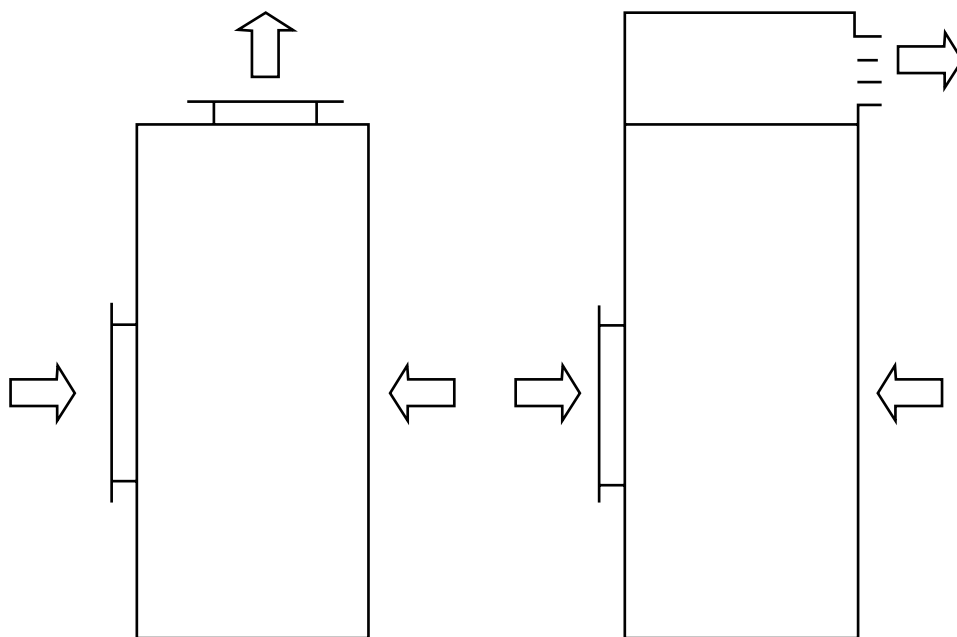
室外机

Outdoor unit



送回风方式

Air supply, return ways





制冷量测定条件

Cooling capacity measurement condition

样本中的制冷量及相关性能参数，均是在以下工况条件测定的：

※ 风冷型

蒸发器进口干球温度：27℃；湿球温度：19℃

冷凝器进口干球温度：35℃；湿球温度：24℃

※ 水冷型

蒸发器进口干球温度：27℃；湿球温度：19℃

冷凝器进水温度：30℃；出水温度：35℃

The cooling capacity and other relative parameters listed in this catalogue are all measured under the following working conditions:

※ Air cooled type

The dry-bulb temperature at evaporator inlet side is 27℃; wet-bulb 19℃

The dry-bulb temperature at condenser inlet side is 35℃; wet-bulb 24℃

※ Water cooling type

The dry-bulb temperature at evaporator inlet side is 27℃; wet-bulb 19℃

The water temperature at condenser inlet side is 30℃; at outlet side 35℃

制热量测定条件

Heating capacity measurement condition

热泵制热条件：室内侧回风干球温度20℃，室外侧干球温度7℃、湿球温度6℃。

热水加热条件：回风干球温度20℃，进水温度90℃。

蒸气加热条件：回风干球温度20℃，蒸气压力0.07MPa。

Heat pump heating condition: Air return dry-bulb temperature at indoor side is 20℃; at outdoor side 7℃, wet-bulb 6℃.

Hot water heating condition: Air return dry-bulb temperature is 20℃; inlet water temperature is 90℃.

Steam heating condition: Air return dry-bulb temperature is 20℃; steam pressure is 0.07MPa.

特殊环境条件

Special environment condition

国家标准GB/T17758-2023《单元式空气调节机》，对产品制冷（热）运行的室外环境温度进行了规定，即制冷在18-43℃、制热在-7-21℃范围内可以正常运行。如超出该条件，其性能参数和外形尺寸未列入本样本，如有需要可提供非标咨询、设计。

The national standard GB/T17758-2023 "Unit Type Air Conditioner" stipulates the outdoor environmental temperature for the refrigeration (heating) of the product, that is, the refrigeration can operate normally within the range of 18-43℃ and heating within the range of -7-21℃. Performance parameters and external dimensions of units whose working conditions are beyond the above listed conditions are not included in this catalog. Non-standard consultation and design can be provided if necessary.

YLF/DN/W风冷系列性能参数

Performance parameters of YLF/DN/W air cooled series

室内机(表1)
Indoor unit (Table 1)

性能Performance			型号 Model		YLF/D6N/W		YLF/D10N/W		YLF/D14N/W		YLF/D22N/W		YLF/D28N/W		YLF/D34N/W		YLF/D43N/W	
空调机组性能 Performance	制冷量 Cooling capacity	kW	5.5		9.2		13.8		21.5		26.9		32.8		42.5			
		万 kcal/h 10,000kcal/h	0.5		0.8		1.2		1.9		2.3		2.8		3.7			
	能量控制 Power control	%	0/100		0/100		0/100		0/100		0/100		0/100		0/50/100			
	电加热 Electric heating	kW	3.0		6.0		9.0		12.0		18.0		18.0		24.0			
		万 kcal/h 10,000kcal/h	0.3		0.5		0.8		1.0		1.6		1.6		2.1			
	送风量 Air supply volume	m³/h	1200		1500		2500		4200		5500		6500		8500			
	机外静压 External static pressure	Pa	0															
	机组噪音 Noise	dB(A)	52		52		55		60		62		64		67			
	温控范围 Temp control range	℃	18-30℃ ± 2℃															
	使用电源 Power supply		AC 380V/3相/ 50Hz (三相四线制3 phases 4 wires)															
	输入功率 Input power	kW	2.5		3.3		5.4		7.9		10.6		12.1		16.5			
	压缩机 Compressor	类 型 Type	全封闭压缩机 Fully hermetic compressor															
		数 量 Quantity	1														2	
	制冷剂 Refrigerant	使用工质 Refrigerant	R410A R407C															
		控制形式 Control type	外平衡式膨胀阀 External-balance type expansion valve															
	蒸发器 Evaporator	类 型 Type	铜管涨铝翅片 Copper pipe passing through aluminium fin															
	送风机 Air supply fan	类 型 Type	外转子离心风机 External-rotor centrifugal fan															
		驱动方式 Driving type	直联驱动 Direct driving															
	过滤网 Air filter	初 效 Primary efficiency	G1尼龙网 Nylon screen														尼龙网 Nylon screen	
	加热器 Heater	功 率 Power	3.0		6.0		9.0		12.0		18.0		18.0		24.0			
		组 数 Set	1		2													
	外形尺寸 Physical dimension	长 (mm) Length	840		1070		1120		1250		1250		1410		1540			
		宽 (mm) Width	460		510		510		650		650		650		750			
高 (mm) Height		1650		1820		1975		2120		2120		2160		2240				
重量 (约) Weight(about)	kg	150	120	190	160	200	170	280	240	380	320	420	360	440	330			

- 注：
- 表中机型均为前送风、前回风配风帽机型，无需安装风管，如有特殊要求可非标设计。
 - 表中分别为YLFN/W系列、YLFDN/W系列参数。
 - “输入功率”是指在名义工况下运行的制冷消耗功率。
 - 以上不含热水、蒸汽加热的相关技术参数，需要时可进行非标设计。
 - 以上为标准“机外静压”型，如有特殊要求，可进行非标设计。
 - 正对机组操作面，标准机型制冷剂接管均在左侧，即左式接管。
 - “外形尺寸”仅供参考，本公司保留更改设计的权利，恕不事先通知。
 - “重量”为估算值，仅供参考。

- Note: 1.The air conditioners mentioned on the above table are all front air supply and front air return type and with cowl. Air ducts are unnecessary. We can design non-standard product according to your demand.
2. Parameters listed on the above table are for YLFN/W and YLFDN/W series.
3. "Input power" means power consumed under nominal working conditions when cooling.
4. The relative parameters of water and steam heating are not specified on the above table, but we can design non-standard product at your request.
5. The above air conditioners are standard "external static pressure" ones. Non-standard air conditioners can be designed according to your demand.
6. When we face the operation panel, the refrigerant connection pipes of the standard one are all on the left, that is, left type pipe connection.
7. "Physical dimension" is only for reference. Our company reserves the right to change the design without prior notice.
8. "Weight" is an estimated value which is for reference only.


 室内机(表2)
 Indoor unit (Table 2)

性能Performance		型号 Model	YLF/D54N/W	YLF/D65N/W	YLF/D85N/W	YLF/D98W	YLF/D115N/W	YLF/D130W	YLF/D140W						
空调机组性能 Performance	制冷量 Cooling capacity	kW	53.6	64.7	85.4	98.2	113.8	128.6	138.7						
		万 kcal/h 10,000kcal/h	4.6	5.6	7.3	8.5	9.8	11.1	11.9						
	能量控制 Power control	%	0/50/100	0/50/100	0/33/50/66/100	0/33/66/100	0/33/50/66/100	0/33/66/100	0/25/50/75100						
	电加热 Electric heating	kW	30.0	36.0	42.0	102.4	48.0	54.0	60.0						
		万 kcal/h 10,000kcal/h	2.6	3.1	3.6	8.8	4.1	4.6	5.2						
	送风量 Air supply volume	m³/h	11000	13000	16000	18000	20000	22000	24000						
	机外静压 External static pressure	Pa	200	250	250	300	300	300	350						
	机组噪音 Noise	dB(A)	69	71	74	74	77	77	77						
	温控范围 Temp control range	℃	18-30℃±2℃												
	使用电源 Power supply		AC 380V/3相/ 50Hz （ 三相四线制3 phases 4 wires ）												
	输入功率 Input power	kW	20.7	23.8	30.7	37.2	42.5	49.1	51.4						
	压缩机 Compressor	类 型 Type	全封闭压缩机 Fully hermetic compressor												
		数 量 Quantity	2	2	2	3	3	2	4	4					
	制冷剂 Refrigerant	使用工质 Refrigerant	R410A R407C												
		控制形式 Control type	外平衡式膨胀阀 External-balance type expansion valve												
	蒸发器 Evaporator	类 型 Type	铜管涨铝翅片 Copper pipe passing through aluminium fin												
	送风机 Air supply fan	类 型 Type	外转子离心风机 External-rotor centrifugal fan												
		驱动方式 Driving type	直联驱动 Direct driving												
	过滤网 Air filter	初 效 Primary efficiency	尼龙网 Nylon screen												
	加热器 Heater	功 率 Power	30.0	36.0	42.0	48.0	48.0	54.0	60.0						
		组 数 Set	2												
	外形尺寸 Physical dimension	长（mm） Length	1710	2040		2370		2370							
		宽（mm） Width	750	1050		1250		1250							
		高（mm） Height	1950	2000		2100		2100							
	重量（约） Weight(about)	kg	470	340	670	480	850	640	780	820	1100	850	850	890	880

注：

- 表中机型均为顶送风、后回风配套法兰型，需与送回风管配套使用。
- 表中分别为YLFN/W系列、YLFDN/W系列参数。
- “输入功率”是指在名义工况下运行的制冷消耗功率。
- 以上不含热水、蒸汽加热的相关技术参数，需要时可进行非标设计。
- 以上为标准“机外静压”型，如有特殊要求，可进行非标设计。
- 正对机组操作面，标准机型制冷剂接管均在左侧，即左式接管。
- “外形尺寸”仅供参考，本公司保留更改设计的权利，恕不事先通知。
- “重量”为估算值，仅供参考。

- The air conditioners mentioned on the above table are top air supply and back air return type coupled with flang. It should be matched with air supply and return ducts.
- The parameters listed on the above table are those of YLFN/W series and YLFDN/W series.
- "Input power" means power consumed under nominal working conditions when cooling.
- The relative parameters of hot water heating, steam heating are not specified on the above table, if need, we can design as non-standard.
- The above air conditioners are standard "external static pressure" ones, if need special ones, we can design as non-standard.
- Facing the operation panel, the refrigerant connection pipes of the standard one are all on the left, that is, left type connection.
- "Physical dimension" is only for reference, our company reserves the right of changing and do not notice in advance.
- "Weight" is estimated, only for reference.

室内机(表3)
Indoor unit (Table 3)

性能Performance			型号 Model		YLF/D145N/W		YLF/D170N/W		YLF/D195W		YLF/D215W		YLF/D230W		YLF/D260W		YLF/D285W		
空调机组性能 Performance	制冷量 Cooling capacity	kW	144.1		168.5		192.4		214.2		227.6		258.3		282.7				
		万 kcal/h 10,000kcal/h	12.4		14.5		16.6		18.4		19.6		22.2		24.3				
	能量控制 Power control	%	0/50/100		0/25/33/50/66/100		0/25/50/75/100		0/33/67/100		0/25/50/75/100		0/25/50/75/100		0/25/50/75/100				
	电加热 Electric heating	kW	60.0		72.0		84.0		84.0		96.0		96.0		108.0				
		万 kcal/h 10,000kcal/h	5.2		6.2		7.2		7.2		8.3		8.3		9.3				
	送风量 Air supply volume	m³/h	26000		28000		34000		37000		40000		45000		48000				
	机外静压 External static pressure	Pa	350		400		400		400		450		450		500				
	机组噪音 Noise	dB(A)	77		80		80		83		85		86		87				
	温控范围 Temp control range	℃	18-30℃ ± 2℃																
	使用电源 Power supply		AC 380V/3相/ 50Hz (三相四线制3 phases 4 wires)																
	输入功率 Input power	kW	54.1		64.3		74.6		82.9		88.1		97.9		106.9				
	压缩机 Compressor	类 型 Type	全封闭压缩机 Fully hermetic compressor																
		数 量 Quantity	2		2		3		4		4		3		4		4		4
	制冷剂 Refrigerant	使用工质 Refrigerant	R410A R407C																
		控制形式 Control type	外平衡式膨胀阀 External-balance type expansion valve																
	蒸发器 Evaporator	类 型 Type	铜管胀铝翅片 Copper pipe passing through aluminium fin																
	送风机 Air supply fan	类 型 Type	外转子离心风机 External-rotor centrifugal fan																
		驱动方式 Driving type	直联驱动 Direct driving																
	过滤网 Air filter	初 效 Primary efficiency	尼龙网 Nylon screen																
	加热器 Heater	功 率 Power	60.0		72.0		84.0		84.0		96.0		96.0		108.0				
		组 数 Set	2				3												
	外形尺寸 Physical dimension	长 (mm) Length	2370		2580		2740				2980				3250				
		宽 (mm) Width	1250		1450		1450				1450				1450				
高 (mm) Height		2100		2100		2350				2350				2350					
重量 (约) Weight(about)	kg	1280	950	1530	1200	1240	1320	1290	1350	1360	1420	1450	1520	1520	1580				

注：

1、表中机型均为顶送风、后回风配套法兰型，需与送回风管配套使用。

2、表中分别为YLFN/W系列、YLFDN/W系列参数。

3、“输入功率”是指在名义工况下运行的制冷消耗功率。

4、以上不含热水、蒸汽加热的相关技术参数，需要时可进行非标设计。

5、以上为标准“机外静压”型，如有特殊要求，可进行非标设计。

6、正对机组操作面，标准机型制冷剂接管均在左侧，即左式接管。

7、“外形尺寸”仅供参考，本公司保留更改设计的权利，恕不事先通知。

8、“重量”为估算值，仅供参考。

Note: 1.The air conditioners mentioned on the above table are all top air supply and back air return type and with flange and must connect with air ducts.

2.The parameters listed on the above table are those of YLFN/W series and YLFDN/W series.

3."Input power" means power consumed under nominal working conditions when cooling.

4.The relative parameters of hot water heating, steam heating are not specified on the above table, if need, we can design as non-standard.

5.The above air conditioners are standard "external static pressure" ones, if need special ones, we can design as non-standard.

6.Facing the operation panel, the refrigerant connection pipes of the standard one are all on the left, that is, left type connection.

7."Physical dimension" is only for reference, our company reserves the right of changing and do not notice in advance.

8."Weight" is estimated, only for reference.


室外机(表1)
Outdoor unit (Table 1)

型号 Model		SW-2.5-ND	SW-3.5-ND	SW-5-ND	SW-8-ND	SW-10-ND	SW-12-ND	SW-15-ND	SW-20-ND	SW-25-ND	SW-30-ND
性能Performance											
冷凝器 Condenser	类型 Type	铜管胀铝翅片 Copper pipe passing through aluminium fin									
	类型 Type	轴流式 Axial									
冷凝风机 Condensate fan	风量 m³/h Air flow volume	4500	5400	7600	10600	13500	13500	10600	10600	13500	10600
	功率 kW Power kW	0.25	0.25	0.37	0.55	0.75	0.75	0.55	0.55	0.75	0.55
	数量 Quantity	1					1	2		3	
重量 (约) Weight (about)	kg	75	80	95	130	140	150	210	240	270	390
外形尺寸 Physical dimension	长 (mm) Length	930	930	1130	1130	1160	1560	1950	1950	2340	2750
	宽 (mm) Width	780	780	780	940	970	970	1020	1020	1020	1020
	高 (mm) Height	725	1050	1050	1050	1050	1050	1050	1050	1050	1050
连接铜管 (焊接) Connection copper pipe (Welded)	供液铜管 Liquid feeding pipe	Φ9×0.7	Φ9×0.7	Φ9×0.7	Φ12×1	Φ16×1	Φ16×1	Φ16×1	Φ19×1	Φ22×1.2	Φ22×1.2
	排汽铜管 Gas exhaust pipe	Φ12×1	Φ12×1	Φ12×1	Φ19×1	Φ19×1	Φ19×1	Φ28×1.5	Φ28×1.5	Φ28×1.5	Φ35×1.5

- 1、压缩机设置在室内机中。
- 2、“外形尺寸”仅供参考，本公司保留更改设计的权利，恕不事先通知。
- 3、“重量”为估算值，仅供参考。

1. Compressor is installed within the indoor unit.
2. "Physical dimension" is only for reference. Our company reserves the right to change the design without prior notice.
3. "Weight" is an estimated value which is for reference only.

室外机(表2)
Outdoor unit (Table 2)

型号 Model		SW-2.5-WD	SW-3.5-WD	SW-5-WD	SW-8-WD	SW-10-WD	SW-12-WD	SW-15-WD	SW-20-WD	SW-25-WD	SW-30-WD
性能Performance											
压缩机 Compressor	类型 Type	全封闭涡旋压缩机 Fully closed scroll compressor									
	功率 kW Power kW	2.3	3.2	4.3	6.5	8.4	10.4	12.8	17.9	22.3	27.1
	台数 Quantity	1									
冷凝器 Condenser	类型 Type	铜管胀铝翅片 Copper pipe passing through aluminium fin									
冷凝风机 Condensate fan	类型 Type	轴流式 Axial									
	风量 m³/h Air flow rate	4500	5400	7600	10600	13500	13500	10600	10600	13500	10600
	功率 kW Power kW	0.25	0.25	0.37	0.55	0.75	0.75	0.55	0.55	0.75	0.55
重量 (约) Weight (about)	数量 Quantity	1					1	2		3	
	kg	95	115	130	200	230	240	320	410	440	550
外形尺寸 Physical dimension	长 (mm) Length	930	930	1130	1130	1160	1560	1950	1950	2340	2750
	宽 (mm) Width	780	780	780	940	970	970	1020	1020	1020	1020
	高 (mm) Height	725	1050	1050	1050	1050	1050	1050	1050	1050	1050
连接铜管 (焊接) Connection copper pipe (Welded)	供液铜管 Liquid feeding pipe	Φ9×0.7	Φ9×0.7	Φ9×0.7	Φ12×1	Φ16×1	Φ16×1	Φ19×1	Φ19×1	Φ22×1.2	Φ22×1.2
	排汽铜管 Gas exhaust pipe	Φ19×1	Φ19×1	Φ22×1.2	Φ28×1.5	Φ35×1.5	Φ35×1.5	Φ42×1.5	Φ42×1.5	Φ42×1.5	Φ42×1.5

- 1、压缩机设置在室外机中。
- 2、“外形尺寸”仅供参考，本公司保留更改设计的权利，恕不事先通知。
- 3、“重量”为估算值，仅供参考。

1. Compressor is installed within the indoor unit.
2. "Physical dimension" is only for reference. Our company reserves the right to change the design without prior notice.
3. "Weight" is an estimated value which is for reference only.

YLRFW风冷系列性能参数

Performance parameters of YLRFW air cooled series

室内机(表1)
Indoor unit (Table 1)

性能Performance			型号 Model	YLRF6W	YLRF10W	YLRF14W	YLRF22W	YLRF28W	YLRF34W	YLRF43W
空调机组性能 Performance	制冷量 Cooling capacity	kW		5.5	9.2	13.8	21.5	26.9	32.8	42.5
		万 kcal/h 10,000kcal/h		0.5	0.8	1.2	1.9	2.3	2.8	3.7
	制热量 Heating capacity	kW		5.7	9.5	14.1	22.6	28.2	33.9	44.1
		万 kcal/h 10,000kcal/h		0.5	0.8	1.2	1.9	2.4	2.9	3.8
	能量控制 Power control	%		0/100	0/100	0/100	0/100	0/100	0/100	0/50/100
	辅助 电加热Auxiliary electric heating	kW		3.0	4.5	6.0	9.0	12.0	12.0	18.0
		万 kcal/h 10,000kcal/h		0.3	0.4	0.5	0.8	1.0	1.0	1.6
	送风量 Air supply flow	m³/h		1200	1500	2500	4200	5500	6500	8500
	机外静压 External static pressure	Pa		0						
	机组噪音 Noise	dB(A)		52	52	55	63	63	67	67
	温控范围 Temp control range	℃		18-30℃±2℃						
	使用电源 Power supply			AC 380V/3相/ 50Hz （三相四线制3 phases 4 wires）						
	输入功率 Input power	kW		2.5	3.3	5.4	7.9	10.6	12.1	16.5
	压缩机 Compressor	类型 Type		全封闭压缩机 Fully hermetic compressor						
		数量 Quantity		1						2
	制冷剂 Refrigerant	使用工质 Refrigerant		R410A R407C						
		控制形式 Control type		外平衡式膨胀阀 External-balance type expansion valve						
	蒸发器 Evaporator	类型 Type		铜管胀铝翅片 Copper pipe passing through aluminium fin						
	送风机 Air supply fan	类型 Type		外转子离心风机 External-rotor centrifugal fan						
		驱动方式 Driving type		直联驱动 Direct driving						
	过滤网 Air filter	初效 Primary efficiency		G1尼龙网 Nylon screen						尼龙网 Nylon screen
	加热器 Heater	功率 Power		3.0	4.5	6.0	9.0	12.0	12.0	18.0
		组数 Set		1			2			
外形尺寸 Physical dimension	长 (mm) Length			840	1070	1120	1250	1250	1410	1540
		宽 (mm) Width		460	510	510	650	650	650	750
		高 (mm) Height		1650	1820	1975	2120	2120	2160	2240
	重量 (约) Weight(about)	kg		130	160	180	240	320	340	420

- 注：
- 表中机型均为前送风、前回风配风帽机型，无需安装风管，如有特殊要求可非标设计。
 - “输入功率”是指在名义工况下运行的制冷消耗功率。
 - 以上为标准“机外静压”型，如有特殊要求，可进行非标设计。
 - 正对机组操作面，标准机型制冷剂接管均在左侧，即左式接管。
 - “外形尺寸”仅供参考，本公司保留更改设计的权利，恕不事先通知。
 - “重量”为估算值，仅供参考。

- Note: 1.The air conditioners mentioned on the above table are all front air supply and front air return type and with cowl. Air ducts are unnecessary. We can design non-standard product according to your demand.
2. "Input power" means power consumed under nominal working conditions when cooling.
3. The above air conditioners are standard "external static pressure" ones. Non-standard air conditioners can be designed according to your demand.
4. When we face the operation panel, refrigerant connection pipes of standard ones are all on the left, that is, left type pipe connection.
5. "Physical dimension" is only for reference. Our company reserves the right to change the design without prior notice.
6. "Weight" is an estimated value which is for reference only.


室内机(表2)
Indoor unit (Table 2)

性能Performance		型号 Model	YLRF54W	YLRF65W	YLRF85W	YLRF100W	YLRF115W	YLRF130W	YLRF140W	
空调机组性能 Performance	制冷量 Cooling capacity	kW	53.6	64.7	85.4	98.2	113.8	128.6	138.7	
		万 kcal/h 10,000kcal/h	4.6	5.6	7.3	8.5	9.8	11.1	11.9	
	制热量 Heating capacity	kW	54.7	66.2	87.5	102.4	115.3	130.7	141.2	
		万 kcal/h 10,000kcal/h	4.7	5.7	7.5	8.8	9.9	11.2	12.1	
	能量控制 Power control	%	0/50/100	0/50/100	0/33/50/66/100	0/33/66100	0/33/50/66/100	0/33/66/100	0/25/50/75100	
	辅助 电加热Auxiliary electric heating	kW	24.0	27.0	30.0	36.0	42.0	42.0	48.0	
		万 kcal/h 10,000kcal/h	2.1	2.3	2.6	3.1	3.6	3.6	4.1	
	送风量 Air supply flow	m³/h	11000	13000	16000	18000	20000	22000	24000	
	机外静压 External static pressure	Pa	200	250	250	300	300	300	350	
	机组噪音 Noise	dB(A)	69	71	74	74	77	77	77	
	温控范围 Temp control range	℃	18-30℃ ± 2℃							
	使用电源 Power supply		AC 380V/3相/ 50Hz (三相四线制3 phases 4 wires)							
	输入功率 Input power	kW	20.7	23.8	30.7	37.2	42.5	49.1	51.4	
	压缩机 Compressor	类 型 Type	全封闭压缩机 Fully hermetic compressor							
		数 量 Quantity	2	2	2	3	3	2	4	4
	制冷剂 Refrigerant	使用工质 Refrigerant	R410A R407C							
		控制形式 Control type	外平衡式膨胀阀 External-balance type expansion valve							
	蒸发器 Evaporator	类 型 Type	铜管胀铝翅片 Copper pipe passing through aluminium fin							
	送风机 Air supply fan	类 型 Type	外转子离心风机 External-rotor centrifugal fan							
		驱动方式 Driving type	直联驱动 Direct driving							
	过滤网 Air filter	初 效 Primary efficiency	尼龙网 Nylon screen							
	加热器 Heater	功 率 Power	24.0	27.0	30.0	36.0	42.0	42.0	48.0	
组 数 Set		2								
外形尺寸 Physical dimension	长 (mm) Length	1710	2040			2370	2370			
	宽 (mm) Width	750	1050			1250	1250			
	高 (mm) Height	1950	2000			2100	2100			
重量 (约) Weight(about)	kg	470	620	680	810	850	890	920		

注:

- 表中机型均为顶送风、后回风配套法兰型，需与送回风管配套使用。
- “输入功率”是指在名义工况下运行的制冷消耗功率。
- 以上为标准“机外静压”型，如有特殊要求，可进行非标设计。
- 正对机组操作面，标准机型制冷剂接管均在左侧，即左式接管。
- “外形尺寸”仅供参考，本公司保留更改设计的权利，恕不事先通知。
- “重量”为估算值，仅供参考。

Note: 1. Air conditioners mentioned on the above table are top air supply and back air return type coupled with flang. It should be matched with air supply and return ducts.

2. "Input power" means power consumed under nominal working conditions when cooling.

3. The above air conditioners are standard "external static pressure" ones. Non-standard air conditioners can be designed according to your demand.

4. When we face the operation panel, the refrigerant connection pipes of the standard one are all on the left, that is, left type pipe connection.

5. "Physical dimension" is only for reference. Our company reserves the right to change the design without prior notice.

6. "Weight" is an estimated value which is for reference only.

室内机(表3)
Indoor unit (Table 3)

性能Performance			型号 Model		YLRF145W	YLRF170W	YLRF195W	YLRF215W	YLRF230W	YLRF260W	YLRF285W
空调机组性能 Performance	制冷量 Cooling capacity	kW	144.1	168.5	192.4	214.2	227.6	258.3	282.7		
		万 kcal/h 10,000kcal/h	12.4	14.5	16.6	18.4	19.6	22.2	24.3		
	制热量 Heating capacity	kW	146.8	171.3	195.6	217.4	230.8	262.5	286.3		
		万 kcal/h 10,000kcal/h	12.6	14.7	16.8	18.7	19.9	22.6	24.6		
	能量控制 Power control	%	0/50/100	0/25/33/50/66/100	0/25/50/75/100	0/33/66/100	0/25/50/75/100	0/25/50/75/100	0/25/50/75/100		
	辅助电加热Auxiliary electric heating	kW	48.0	54.0	60.0	60.0	72.0	72.0	84.0		
		万 kcal/h 10,000kcal/h	4.1	4.6	5.2	5.2	6.2	6.2	7.2		
	送风量 Air supply flow	m³/h	26000	28000	34000	37000	40000	45000	48000		
	机外静压 External static pressure	Pa	350	400	400	400	450	450	500		
	机组噪音 Noise	dB(A)	77	80	80	83	85	86	87		
	温控范围 Temp control range	℃	18-30℃ ± 2℃								
	使用电源 Power supply		AC 380V/3相/ 50Hz （ 三相四线制3 phases 4 wires ）								
	输入功率 Input power	kW	54.1	64.3	74.6	82.9	88.1	97.9	106.9		
	压缩机 Compressor	类 型 Type	全封闭压缩机 Fully hermetic compressor								
		数 量 Quantity	2	2	3	4	4	3	4	4	4
	制冷剂 Refrigerant	使用工质 Refrigerant	R410A R407C								
		控制形式 Control type	外平衡式膨胀阀 External-balance type expansion valve								
	蒸发器 Evaporator	类 型 Type	铜管胀铝翅片 Copper pipe passing through aluminium fin								
	送风机 Air supply fan	类 型 Type	外转子离心风机 External-rotor centrifugal fan								
		驱动方式 Driving type	直联驱动 Direct driving								
	过滤网 Air filter	初 效 Primary efficiency	尼龙网 Nylon screen								
	加热器 Heater	功 率 Power	48.0	54.0	60.0	60.0	72.0	72.0	84.0		
		组 数 Set	2								
	外形尺寸 Physical dimension	长（mm） Length	2370	2580	2740		2980		3250		
		宽（mm） Width	1250	1450	1450		1450		1450		
高（mm） Height		2100	2100	2350		2350		2350			
重量（约） Weight(about)	kg	1100	1270	1330	1380	1420	1520	1580			

注：

1、表中机型均为顶送风、后回风配套法兰型，需与送回风管配套使用。

2、“输入功率”是指在名义工况下运行的制冷消耗功率。

3、以上为标准“机外静压”型，如有特殊要求，可进行非标设计。

4、正对机组操作面，标准机型制冷剂接管均在左侧，即左式接管。

5、“外形尺寸”仅供参考，本公司保留更改设计的权利，恕不事先通知。

6、“重量”为估算值，仅供参考。

Note: 1. Air conditioners mentioned on the above table are top air supply and back air return type coupled with flang. It should be matched with air supply and return ducts.

2. "Input power" means power consumed under nominal working conditions when cooling.

3. The above air conditioners are standard "external static pressure" ones. Non-standard air conditioners can be designed according to your demand.

4. When we face the operation panel, the refrigerant connection pipes of the standard one are all on the left, that is, left type pipe connection.

5. "Physical dimension" is only for reference. Our company reserves the right to change the design without prior notice.

6. "Weight" is an estimated value which is for reference only.



室外机(表1)
Outdoor unit (Table 1)

型号 Model		SW-2.5-WR	SW-3.5-WR	SW-5-WR	SW-8-WR	SW-10-WR	SW-12-WR	SW-15-WR	SW-20-WR	SW-25-WR	SW-30-WR
性能Performance	压缩机 Compressor	全封闭涡旋压缩机 Fully hermetic scroll compressor									
	功率 kW	2.3	3.2	4.3	6.5	8.4	10.4	12.8	17.9	22.3	27.1
	台数 Quantity	1									
冷凝器 Condenser	类型 Type	铜管胀铝翅片 Copper pipe passing through aluminium fin									
	类型 Type	轴流式 Axial									
	风量 m³/h	4500	5400	7600	10600	13500	13500	10600	10600	13500	10600
冷凝风机 Condensate fan	功率 kW	0.25	0.25	0.37	0.55	0.75	0.75	0.55	0.55	0.75	0.55
	数量 Quantity	1					1	2		3	
	重量 (约) Weight(about)	kg	95	115	130	200	230	240	320	410	440
外形尺寸 Physical dimension	长 (mm) Length	930	930	1130	1130	1160	1560	1950	1950	2340	2590
	宽 (mm) Width	780	780	780	940	970	970	1020	1020	1020	1020
	高 (mm) Height	725	1050	1050	1050	1050	1050	1050	1050	1050	1050
连接铜管 (焊接) Connection copper pipe (Welded)	供液铜管 Liquid feeding pipe	Φ9×0.7	Φ9×0.7	Φ9×0.7	Φ12×1	Φ16×1	Φ16×1	Φ19×1	Φ19×1	Φ22×1.2	Φ22×1.2
	排汽铜管 Gas exhaust pipe	Φ19×1	Φ19×1	Φ22×1.2	Φ28×1.5	Φ35×1.5	Φ35×1.5	Φ42×1.5	Φ42×1.5	Φ42×1.5	Φ42×1.5

- 1、压缩机设置在室外机中。
 - 2、“外形尺寸”仅供参考，本公司保留更改设计的权利，恕不事先通知。
 - 3、“重量”为估算值，仅供参考。
1. Compressor is installed within the outdoor unit.
2. "Physical dimension" is only for reference. Our company reserves the right to change the design without prior notice.
3. "Weight" is an estimated value which is for reference only.



离心式水冷冷水机组
Centrifugal water cooled water chiller

水冷冷水机组
Water-cooling chiller system

地下环路式（地埋管）水源热泵机组
Underground water circulation type water source heat pump unit

地下水式水源热泵机组
Underground water circulation type water source heat pump unit

风冷冷（热）水机组
Air cooled cold/hot water chiller

超低温风冷冷（热）水机组
Ultra-low temperature air cooled cold/hot water chillers

低环境温度空
Low ambient temperature

内外机配套数量

How do indoor unit and outdoor unit support each other

YLF/DN系列

YLF/DN series

室外机型号 Outdoor unit model	SW-2.5-ND	SW-3.5-ND	SW-5-ND	SW-8-ND	SW-10-ND	SW-12-ND	SW-15-ND	SW-20-ND	SW-25-ND	SW-30-ND
室内机型号 Indoor unit model										
YLF/D6N	1*									
YLF/D10N		1*								
YLF/D14N	2		1*							
YLF/D22N		2		1*						
YLF/D28N			2		1*					
YLF/D44N				2*						
YLF/D54N					2*					
YLF/D34N						1*				
YLF/D65N						2*				
YLF/D85N							2*			
YLF/D115N								2*		
YLF/D145N									2*	
YLF/D170N										2*

- 1、带“*”室外机组，为室内机组标准配置。
- 2、根据用户现场实际情况，室内机组也可与其它室外机进行组合。
 1. The outdoor unit marked with “*” is the standard configuration of the indoor units.
 2. Indoor unit can match with other outdoor unit according to the site condition.

YLF/DW系列

YLF/DW series

室外机型号 Outdoor plant model	SW-2.5-WD	SW-3.5-WD	SW-5-WD	SW-8-WD	SW-10-WD	SW-12-WD	SW-15-WD	SW-20-WD	SW-25-WD	SW-30-WD
室内机型号 Indoor plant model										
YLF/D6W	1*									
YLF/D10W		1*								
YLF/D14W	2		1*							
YLF/D22W		2		1*						
YLF/D28W			2		1*					
YLF/D43W		4		2*						
YLF/D54W			4		2*					
YLF/D85W					3*					
YLF/D115W					4*					
YLF/D34W						1*				
YLF/D65W						2*				
YLF/D100W						3*				
YLF/D115W								2*		
YLF/D130W							3*			
YLF/D140W						4*				
YLF/D145W									2*	
YLF/D170W							4*	3		2*
YLF/D195W							2*	2*		
YLF/D215W									3*	
YLF/D230W								4*		
YLF/D260W								2	2	3*
YLF/D285W								5	4*	

- 1、带“*”室外机组，为室内机组标准配置。
- 2、根据用户现场实际情况，室内机组也可与其它室外机进行组合。
 1. The outdoor unit marked with “*” is the standard configuration of the indoor units.
 2. Indoor unit can match with other outdoor unit according to the site condition.



YLRFW系列 YLRFW series

室外机型号 Outdoor plant model 室内机型号 Indoor plant model	SW-2.5-WR	SW-3.5-WR	SW-5-WR	SW-8-WR	SW-10-WR	SW-12-WR	SW-15-WR	SW-20-WR	SW-25-WR	SW-30-WR
YLRF6W	1*									
YLRF10W		1*								
YLRF14W	2		1*							
YLRF22W		2		1*						
YLRF28W			2		1*					
YLRF43W		4		2*						
YLRF54W			4		2*					
YLRF85W					3*					
YLRF115W					4*					
YLRF34W						1*				
YLRF65W						2*				
YLRF100W						3*				
YLRF115W								2*		
YLRF130W							3*			
YLRF140W						4*				
YLRF145W									2*	
YLRF170W							4*	3		2*
YLRF195W							2*	2*		
YLRF215W									3*	
YLRF230W								4*		
YLRF260W								2	2	3*
YLRF285W								5	4*	

- 1、带 “*” 室外机组，为室内机组标准配置。
 - 2、根据用户现场实际情况，室内机组也可与其它室外机进行组合。
1. The outdoor unit marked with “*” is the standard configuration of the indoor units.
 2. Indoor unit can match with other outdoor unit according to the site condition.



YL/DN水冷系列性能参数

Performance parameters of YL/DN water cooled series

表1

Table 1

性能Performance			型号 Model	YL/D7N	YL/D10N	YL/D15N	YL/D25N	YL/D32N	YL/D38N	YL/D49N
空调机 组性能 Performance	制冷量 Cooling capacity	kW		6.7	9.6	15.0	24.6	31.7	37.2	49.2
		万 kcal/h 10,000kcal/h		0.6	0.8	1.3	2.1	2.7	3.2	4.2
	能量控制 Power control	%		0/100	0/100	0/100	0/100	0/100	0/100	0/50/100
	电加热 Electric heating	kW		3.0	6.0	9.0	12.0	18.0	18.0	24.0
		万 kcal/h 10,000kcal/h		0.3	0.5	0.8	1.0	1.6	1.6	2.1
	送风量 Air supply volume	m³/h		1200	1500	2500	4200	5500	6500	8500
	机外静压 External static pressure	Pa		0						
	机组噪音 Noise	dB(A)		52	52	55	63	63	67	67
	温控范围 Temp control range	℃		18-30℃±2℃						
	使用电源 Power supply			AC 380V/3相/ 50Hz （三相四线制3 phases 4 wires）						
	输入功率 Input power	kW		2.3	3.3	4.5	6.8	9.2	10.3	13.9
	压缩机 Compressor	类型 Type		全封闭压缩机 Fully hermetic compressor						
		数量 Quantity		1						2
	制冷剂 Refrigerant	使用工质 Refrigerant		R410A R407C						
		控制形式 Control type		外平衡式膨胀阀 External-balance type expansion valve						
	蒸发器 Evaporator	类型 Type		铜管涨铝翅片 Copper pipe passing through aluminium fin						
	送风机 Air supply fan	类型 Type		外转子离心风机 External-rotor centrifugal fan						
		驱动方式 Driving type		直联驱动 Direct driving						
	过滤网 Air filter	初效 Primary efficiency		G1尼龙网 Nylon screen						尼龙网 Nylon screen
	加热器 Heater	功率 Power		3.0	6.0	9.0	12.0	18.0	18.0	24.0
		组数 Set		1	2					
	冷却水 Cooling water	流量 m³/h Flow rate		1.4	2.2	3.3	4.9	6.5	7.3	9.7
		管径DN Pipe diameter		1- 1/2						2"
	外形尺寸 Physical dimension	长（mm） Length		840	1070	1120	1150	1250	1410	1540
		宽（mm） Width		460	510	510	650	650	650	750
		高（mm） Height		1650	1820	1975	2120	2120	2160	2240
	重量（约） Weight(about)	kg		205	230	270	380	460	480	580

注：

- 1、表中机型均为前送风、前回风配风帽机型，无需安装风管，如有特殊要求可非标设计。
- 2、“输入功率”是指在名义工况下运行的制冷消耗功率，不含水泵运行功率。
- 3、以上不含热水、蒸汽加热的相关技术参数，需要时可进行非标设计。
- 4、以上为标准“机外静压”型，如有特殊要求，可进行非标设计。
- 5、正对机组操作面，标准机型冷却水接管均在左侧，即左式接管。
- 6、“外形尺寸”仅供参考，本公司保留更改设计的权利，恕不事先通知。

- Note: 1.Air conditioners mentioned on the above table are all front air supply and front air return type and with cowl. Air ducts are unnecessary. We can design non-standard product according to your demand.
2. "Input power" means power consumed under nominal working conditions when cooling. Pump operation power is not included.
3. Relative parameters of water and steam heating are not specified on the above table, but we can design non-standard product at your request.
4. The above air conditioners are standard "external static pressure" ones. Non-standard air conditioners can be designed according to your demand.
5. When we face the operation panel, the refrigerant connection pipes of the standard one are all on the left, that is, left type pipe connection.
6. "Physical dimension" is only for reference. Our company reserves the right to change the design without prior notice.



表2
Table 2

性能 Performance			型号 Model	YL/D65N	YL/D78N	YL/D96N	YL/D115N	YL/D127N	YL/D142N	YL/D150N
空调机组性能 Performance	制冷量 Cooling capacity	kW		64.8	77.5	96.4	112.7	127.1	140.5	147.8
		万 kcal/h 10,000kcal/h		5.6	6.7	8.3	9.7	10.9	12.1	12.7
	能量控制 Power control	%		0/50/100	0/50/100	0/33/50/67/100	0/33/67/100	0/33/50/67/100	0/33/67/100	0/25/50/75/100
	电加热 Electric heating	kW		30.0	36.0	42.0	48.0	48.0	54.0	60.0
		万 kcal/h 10,000kcal/h		2.6	3.1	3.6	4.1	4.1	4.6	5.2
	送风量 Air supply volume	m ³ /h		11000	13000	16000	18000	20000	22000	24000
	机外静压 External static pressure	Pa		200	250	250	300	300	300	350
	机组噪音 Noise	dB(A)		69	71	74	74	77	77	77
	温控范围 Temp control range	℃		18-30℃ ± 2℃						
	使用电源 Power supply			AC 380V/3相/ 50Hz (三相四线制3 phases 4 wires)						
	输入功率 Input power	kW		17.6	21.5	26.2	34.5	38.1	44.8	47.7
	压缩机 Compressor	类 型 Type		全封闭压缩机 Fully hermetic compressor						
		数 量 Quantity		2	2	2	3	3	2	4
	制冷剂 Refrigerant	使用工质 Refrigerant		R410A R407C						
		控制形式 Control type		外平衡式膨胀阀 External-balance type expansion valve						
	蒸发器 Evaporator	类 型 Type		铜管涨铝翅片 Copper pipe passing through aluminium fin						
	送风机 Air supply fan	类 型 Type		外转子离心风机 External-rotor centrifugal fan						
		驱动方式 Driving type		直联驱动 Direct driving						
	过滤网 Air filter	初 效 Primary efficiency		尼龙网 Nylon screen						
	加热器 Heater	功 率 Power		30.0	36.0	42.0	48.0	48.0	54.0	60.0
		组 数 Set		2						
	冷却水 Cooling water	流量 m ³ /h Flow rate		13.0	15.6	19.7	22.6	25.8	29.6	29.6
		管径DN Pipe diameter		2"		2-1/2"		2-1/2"		3"
	外形尺寸 Physical dimension	长 (mm) Length		1710	2040		2370	2370		
		宽 (mm) Width		750	1050		1250	1250		
		高 (mm) Height		1950	2000		2100	2100		
	重量 (约) Weight(about)	kg		650	840	1030	1080	1150	1350	1400

注:

- 表中机型均为顶送风、后回风配套法兰型，需与送回风管配套使用。
- “输入功率”是指在名义工况下运行的制冷消耗功率，不含水泵运行功率。
- 以上不含热水、蒸汽加热的相关技术参数，需要时可进行非标设计。
- 以上为标准“机外静压”型，如有特殊要求，可进行非标设计。
- 正对机组操作面，标准机型冷却水接管均在左侧，即左式接管。
- “外形尺寸”仅供参考，本公司保留更改设计的权利，恕不事先通知。

Note:

- Air conditioners mentioned on the above table are top air supply and back air return type coupled with flang. It should be matched with air supply and return ducts.
- "Input power" means power consumed under nominal working conditions when cooling, does not include power consumed by water pump.
- The relative parameters of hot water heating, steam heating are not specified on the above table, if need, we can design as non-standard.
- The above air conditioners are standard "external static pressure" ones, if need special ones, we can design as non-standard.
- Facing the operation panel, the refrigerant connection pipes of the standard one are all on the left, that is, left type connection.
- "Physical dimension" is only for reference, our company reserves the right of changing and do not notice in advance.

表3
Table 3

性能Performance			型号 Model		YL/D156N		YL/D190N		YL/D215N		YL/D230N		YL/D250N		YL/D280N		YL/D300N	
空调机组性能 Performance	制冷量 Cooling capacity	kW	155.7		189.5		211.5		225.9		244.6		276.4		295.2			
		万 kcal/h 10,000kcal/h	13.4		16.3		18.2		19.4		21.0		23.8		25.4			
	能量控制 Power control	%	0/50/100		0/25/33/50/67/100		0/25/50/75/100		0/33/67/100		0/25/50/75/100		0/25/50/75/100		0/25/50/75/100			
	电加热 Electric heating	kW	60.0		72.0		84.0		84.0		96.0		96.0		108.0			
		万 kcal/h 10,000kcal/h	5.2		6.2		7.2		7.2		8.3		8.3		9.3			
	送风量 Air supply volume	m³/h	26000		28000		34000		37000		40000		45000		48000			
	机外静压 External static pressure	Pa	350		400		400		400		450		450		500			
	机组噪音 Noise	dB(A)	77		80		80		83		85		86		87			
	温控范围 Temp control range	℃	18-30℃ ± 2℃															
	使用电源 Power supply		AC 380V/3相/ 50Hz （ 三相四线制3 phases 4 wires ）															
	输入功率 Input power	kW	49.5		58.7		65.7		73.4		78.8		86.1		98.5			
	压缩机 Compressor	类 型 Type	全封闭压缩机 Fully hermetic compressor															
		数 量 Quantity	2	2	3	4	4		3		4		4		4			
	制冷剂 Refrigerant	使用工质 Refrigerant	R410A R407C															
		控制形式 Control type	外平衡式膨胀阀 External-balance type expansion valve															
	蒸发器 Evaporator	类 型 Type	铜管胀铝翅片 Copper pipe passing through aluminium fin															
	送风机 Air supply fan	类 型 Type	外转子离心风机 External-rotor centrifugal fan															
		驱动方式 Driving type	直联驱动 Direct driving															
	过滤网 Air filter	初 效 Primary efficiency	尼龙网 Nylon screen															
	加热器 Heater	功 率 Power	60.0		72.0		84.0		84.0		96.0		96.0		108.0			
		组 数 Set	2				3											
	冷却水 Cooling water	流量 m³/h Flow rate	31.2		37.5		42.2		44.8		48.1		54.5		60.8			
		管径DN Pipe diameter	3"												4"			
	外形尺寸 Physical dimension	长（mm） Length	2370		2580		2740				2980				3250			
		宽（mm） Width	1250		1450		1450				1450				1450			
高（mm） Height		2100		2100		2350				2350				2350				
重量（约） Weight(about)	kg	1550		1900		2050		2100		2200		2400		2600		2750		

注：
1、表中机型均为顶送风、后回风配套法兰型，需与送回风管配套使用。
2、“输入功率”是指在名义工况下运行的制冷消耗功率，不含水泵运行功率。
3、以上不含热水、蒸汽加热的相关技术参数，需要时可进行非标设计。
4、以上为标准“机外静压”型，如有特殊要求，可进行非标设计。
5、正对机组操作面，标准机型冷却水接管均在左侧，即左式接管。
6、“外形尺寸”仅供参考，本公司保留更改设计的权利，恕不事先通知。

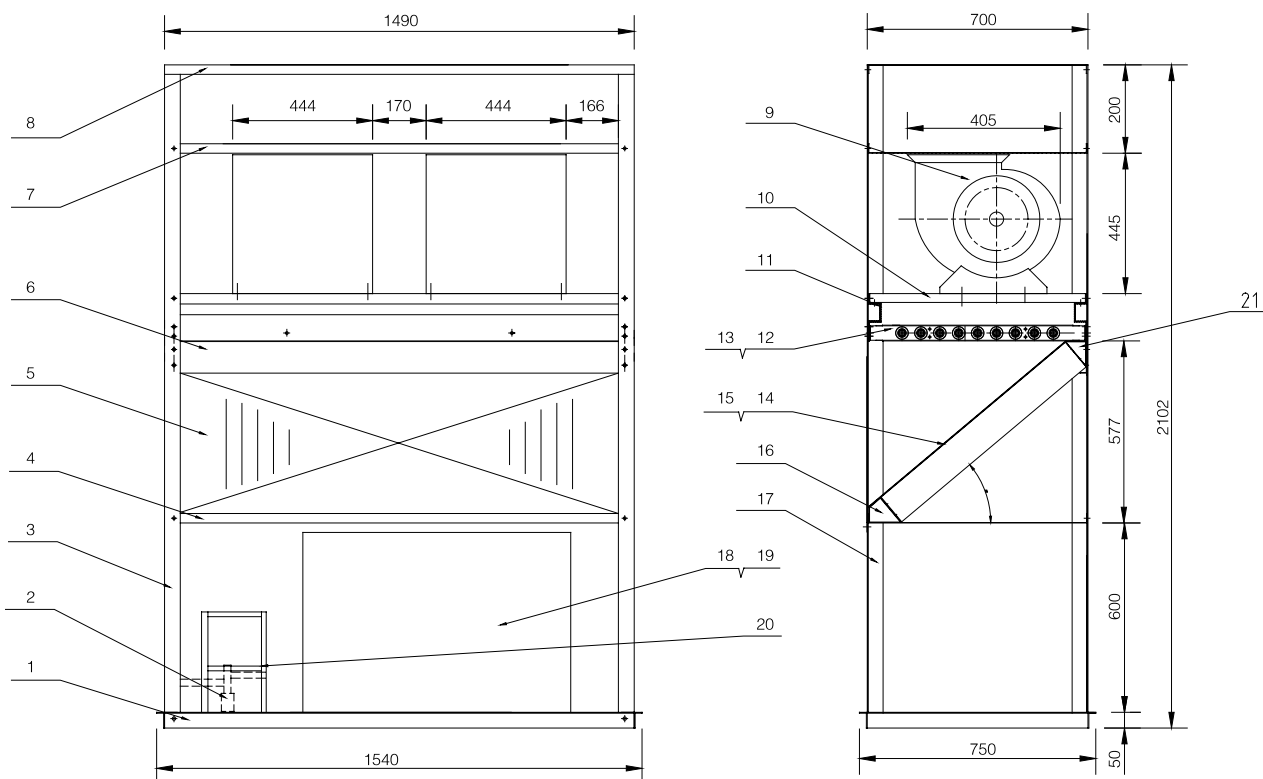
Note:
1. Air conditioners mentioned on the above table are top air supply and back air return type coupled with flang. It should be matched with air supply and return ducts.
2."Input power" means power consumed under nominal working conditions when cooling, does not include power consumed by water pump.
3.The relative parameters of hot water heating, steam heating are not specified on the above table, if need, we can design as non-standard.
4.The above air conditioners are standard "external static pressure" ones, if need special ones, we can design as non-standard.
5.Facing the operation panel, the refrigerant connection pipes of the standard one are all on the left, that is, left type connection.
6:"Physical dimension" is only for reference, our company reserves the right of changing and do not notice in advance.

外形尺寸

Physical dimension

框架总装图

Frame assembly drawing



1.底座组件

Base parts

2.截止阀支架

Stop valve support

3.左前立柱

Front left column

4.中水盘组件

Central basin parts

5.蒸发器组件

Evaporator parts

6.蒸发器支撑

Evaporator support

7.风机顶盖

Fan cover

8.顶盖板

Cover plate

9.离心风机

Centrifugal fan

10.风机竖支撑

Fan vertical support

11.风机横支撑

Fan cross support

12.电加热器支撑

Electric heater support

13.绝缘支架

Insulation support

14.蒸发器左封板

Evaporator left coat

15.蒸发器右封板

Evaporator right coat

16.蒸发器固定支架一

Evaporator support 1

17.左后立柱

Back left column

18.电控箱底板

Power control box bed

19.电控箱

Power control box

20.加湿器安装支架

Humidifier support

21.蒸发器固定支架二

Evaporator support 2

技术要求

- 1、整机装配规范，各部位螺栓紧固、齐全，制冷配件安装正确；
- 2、管路走向规范整齐，管路焊接和安装符合技术要求；
- 3、电器安装布线牢固，正确、美观，符合技术要求；
- 4、机组外壳表面无明显划痕，干净整洁。

Technical requirement

1. The overall assembly should be standard. All bolts are fixed tightly and completely. Installation of parts must be correct.
2. Pipeline layout is orderly and standard. Pipe welding and installation should meet the technical requirements.
3. Installation and wiring of electrical appliances are firm, correct, beautiful, and meet the technical requirements;
4. The air conditioner surface is clean and tidy without obvious scratches.



离心式水冷冷水机组
Centrifugal water cooled water chiller

水冷冷水机组
Water-cooling chiller system

地下环路式（地埋管）水源热泵机组
Underground water circuit (piped) water source heat pump unit

地下水式水源热泵机组
Underground water circulating type water source heat pump unit

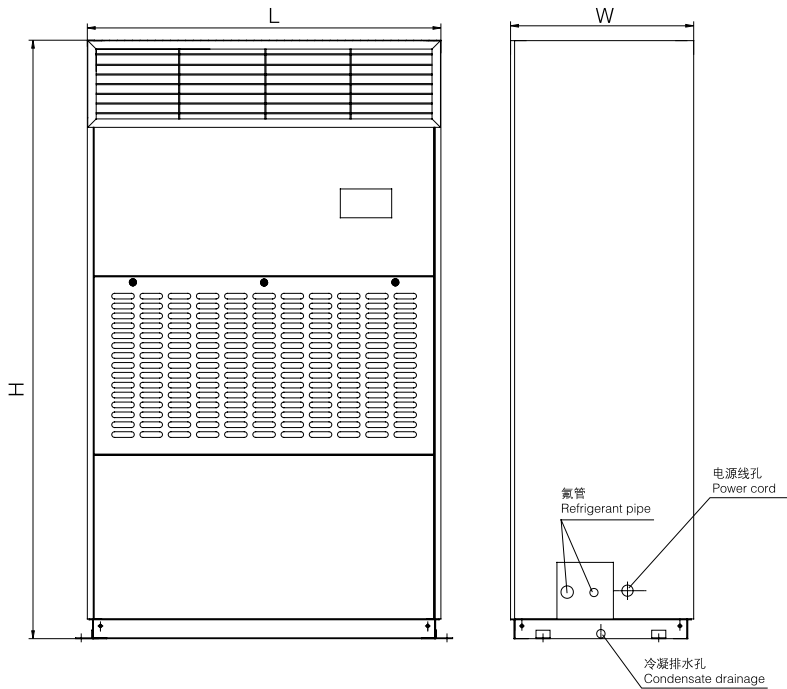
风冷冷（热）水机组
Air cooled cold/hot water chiller

超低温风冷冷（热）水机组
Ultra-low temperature air cooled cold/hot water chillers

低环境温度空
Low ambient temperature

YL (F) 系列-室内机外形图

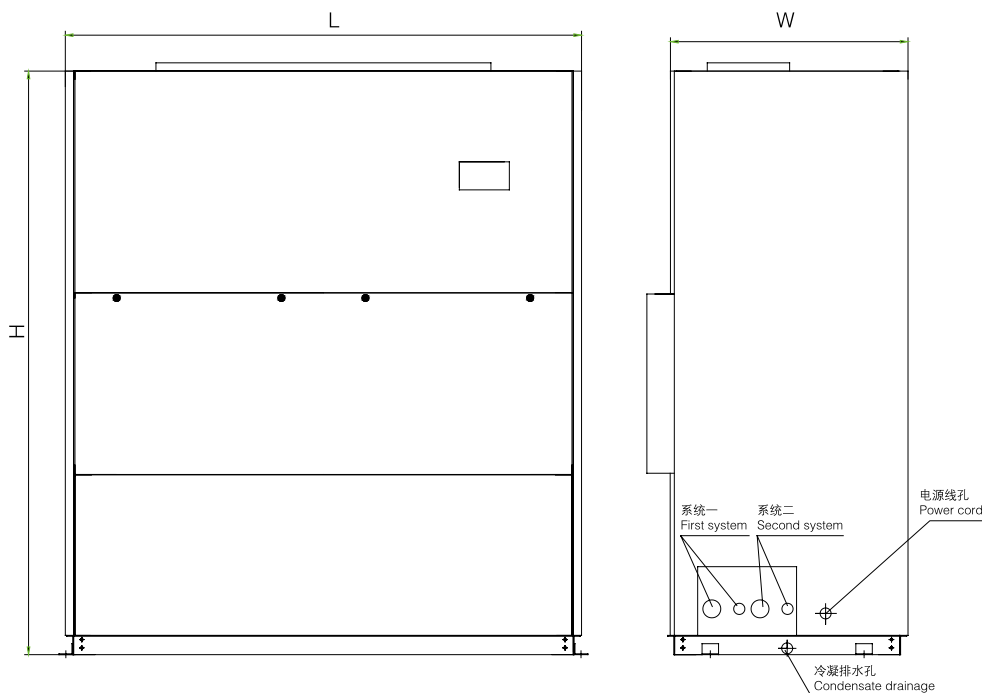
YL(F) series - Indoor unit outside view



	2.5HP	3.5HP	5HP	7.5HP	10HP
L	880	1120	1120	1250	1250
W	500	550	650	650	650
H	1650	1770	1975	2120	2120

YL (F) 系列-室内机外形图

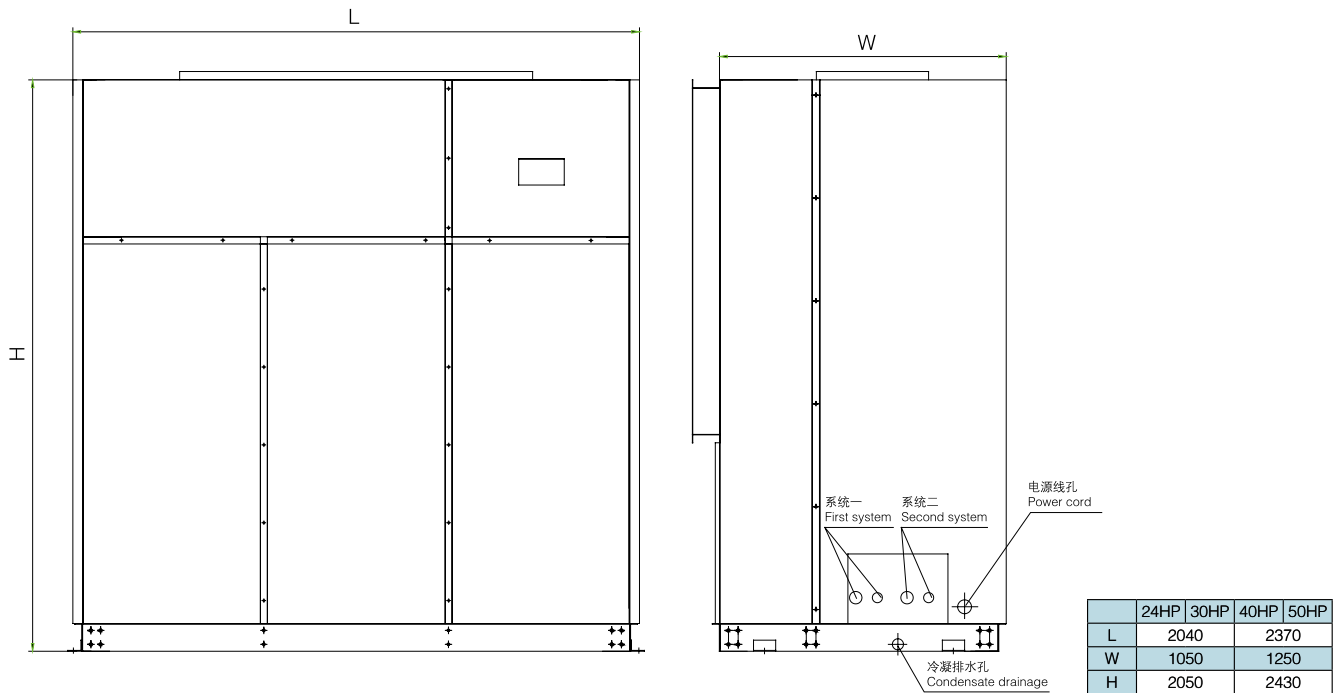
YL(F) series - Indoor unit outside view



	15HP	20HP
L	1880	
W	865	
H	2120	

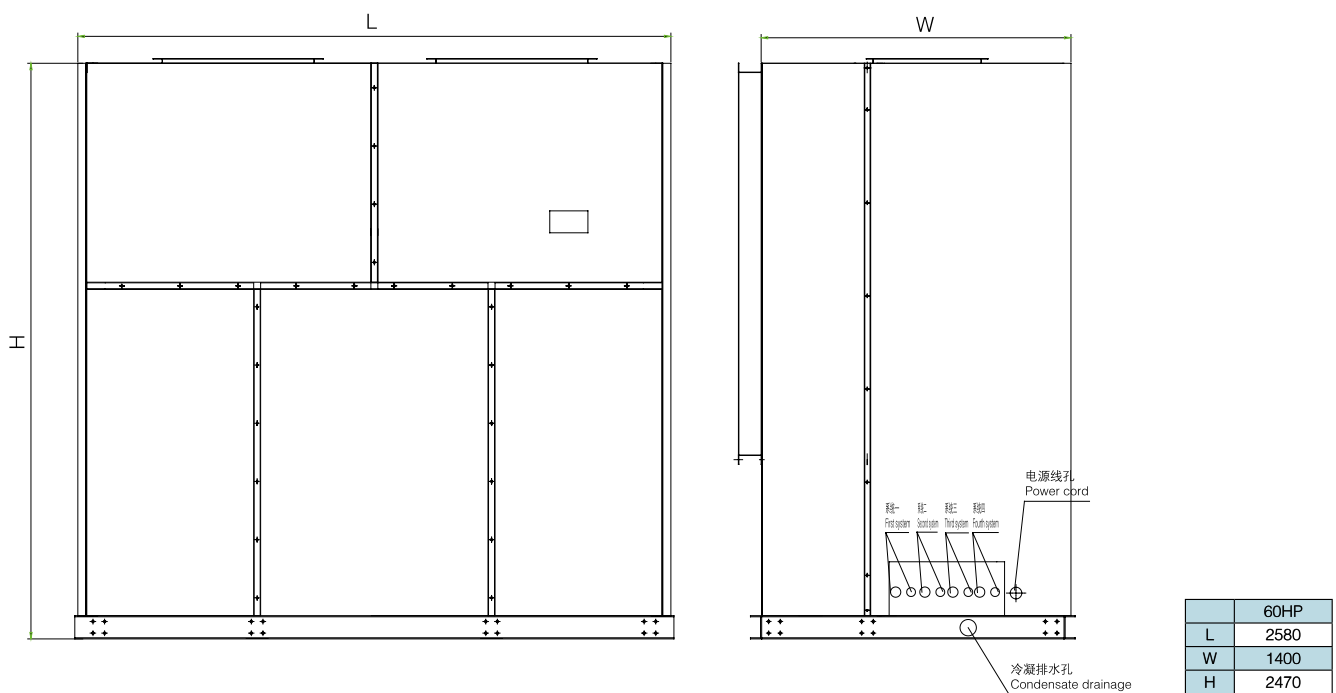
YL (F) 系列-室内机外形图

YL(F) series - Indoor unit outside view



YL (F) 系列-室内机外形图

YL(F) series - Indoor unit outside view





离心式水冷冷水机组
Centrifugal water cooled water chiller

水冷冷水机组
Water-cooling chiller system

地下环路式（地埋管）水源热泵机组
Underground water circuit (piped) water source heat pump unit

地下水式水源热泵机组
Underground water circulating type water source heat pump unit

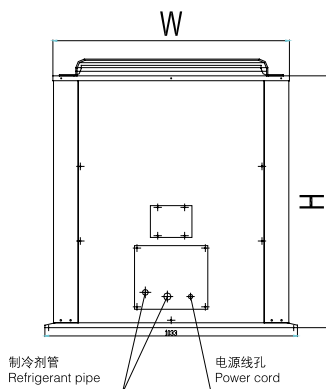
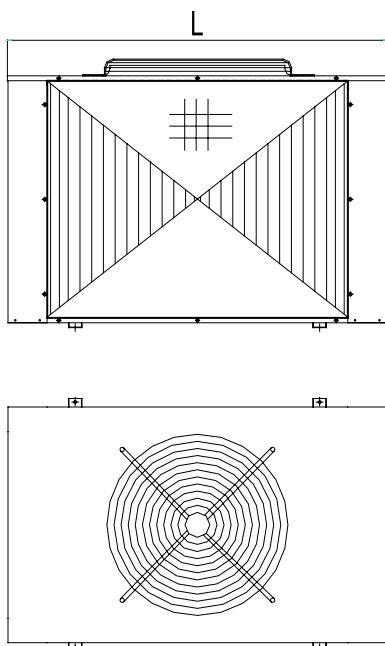
风冷冷（热）水机组
Air cooled cold/hot water chiller

超低温风冷冷（热）水机组
Ultra-low temperature air cooled cold/hot water chillers

低环境温度空
Low ambient temperature

SW 系列-室外机外形图

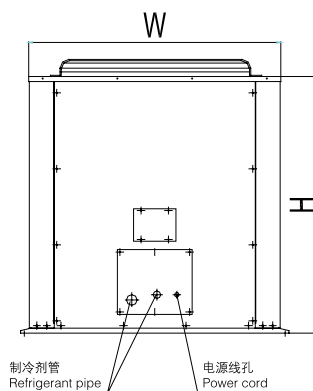
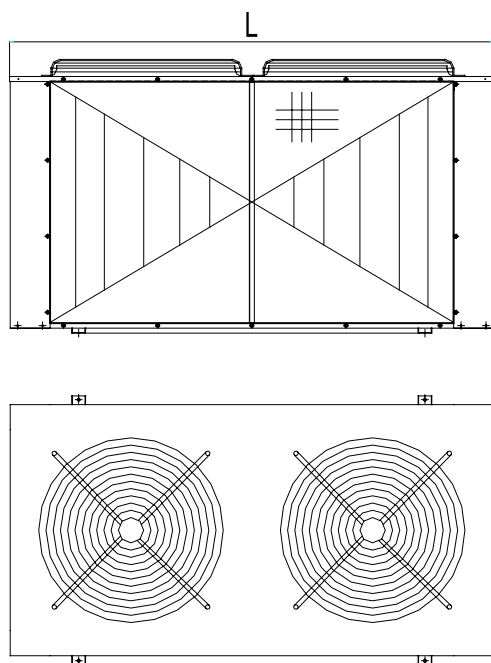
SW series-Outdoor unit outside view



	SW-2.5-N/W	SW-3.5-N/W	SW-5-N/W	SW-8-N/W	SW-10-N/W	SW-12-N/W
L	930	930	1130	1130	1160	1560
W	780	780	780	940	970	970
H	725	1050	1050	1050	1050	1050

SW 系列-室外机外形图

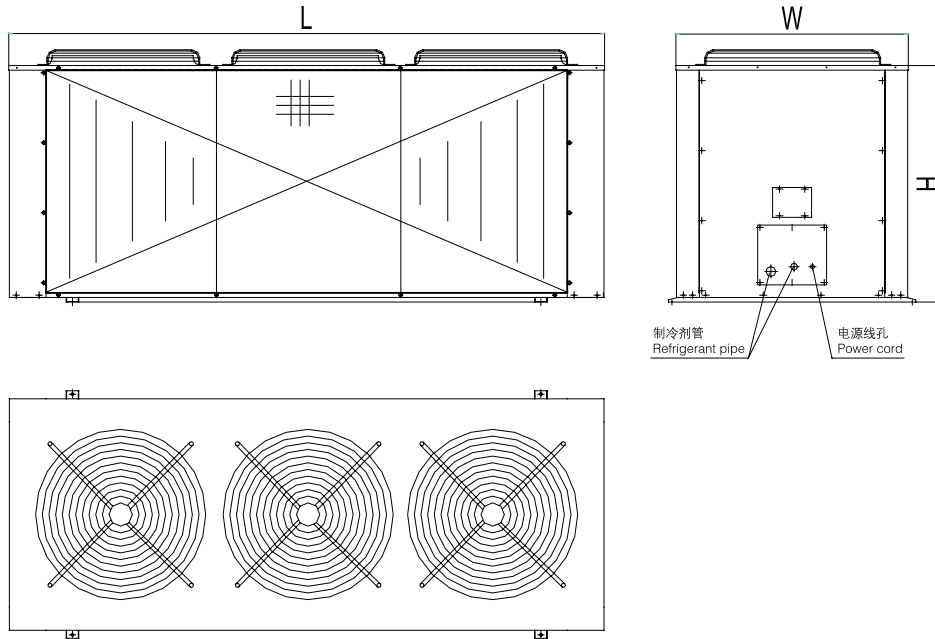
SW series-Outdoor unit outside view



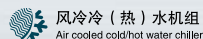
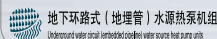
	SW-15-N/W	SW-20-N/W	SW-25-N/W
L	1950	2340	
W	1020	1020	
H	1050	1050	

SW 系列-室外机外形图

SW series - Outdoor plant outside view



	SW-30-N/W
L	2750
W	1020
H	1050



选型指南

How to select model

- 1、本样本中性能参数表提供了空调机的“名义工况”制冷量，若使用环境与“名义工况”不一致，选型时请进行修正。
- 2、“性能参数”中提供的风压值，均为空调机的“机外静压”，空调送风系统应与送、回风管道系统阻力相匹配，选型时应根据需要对“机外静压”值进行修正。标准机型只配有“双层尼龙过滤网”，如有净化要求需增加初、中效过滤，请进行技术咨询，并可非标设计。
- 3、空调室外机与室内机的制冷剂连接管道长度，根据机型有不同的要求。本样本标准机型满足一下要求：
 - ※ 压缩机小于10HP：高度差 $\leq 5\text{m}$ 、总长度 $\leq 12\text{m}$
 - ※ 压缩机大于10HP：高度差 $\leq 8\text{m}$ 、总长度 $\leq 16\text{m}$
 如超出以上条件，可能会导致空调机制冷量不足或压缩机回油不良、甚至烧坏压缩机的故障。确实因安装现场条件恶劣，必需加长连接管道，请订货前进行技术咨询，可非标设计。
- 4、设备管理人员正对空调机操作面，制冷剂连接铜管（或冷却水管）位于左侧为左式，位于右侧为右式。本样本标准机型均为左式，如根据实际需要，也可以设计为右式，请在咨询、订货时注明。
- 5、对于水冷机型，用户必须在冷却水系统设置“水流保护开关”，并与空调机组预留“水流保护”接点接线“联锁”。
- 6、本样本标准产品，按现行国家标准GB/T 17758-2023《单元式空气调节机》进行设计生产。
 - ※ 风冷型：标准机型正常制冷运行的室外环境温度为：18-43℃。
 - ※ 水冷型：标准机型正常制冷运行的冷凝进水温度为：16-34℃。标准工况：进水30℃，出水35℃。
 如在超出以上条件下制冷运行时，需非标设计，请在咨询、订货时注明。
- 7、本样本标准产品使用的制冷剂均为环保型R407C、R410A的制冷剂性能参数，如需要其余冷媒机组请技术咨询，可进行非标设计。

- 1.The performance parameter tables have listed the cooling capacities under “nominal working conditions”. If the operation condition is different from “nominal working condition”, please adjust parameters when selecting models.
2. Air pressure value listed in “performance parameter tables” all are “external static pressure”. The air supply system shall match with resistances of air supply and return ducts. When selecting models, “external static pressure” values should be adjusted according to the requirements. Standard air conditioner is only equipped with “two layers of nylon screen”. If primary and medium efficiency air filters are needed, please consult us and we can design non-standard product for you.
3. Different kinds of air conditioners have different length demand for the refrigerant connection pipe linking indoor and outdoor units. The air conditioners listed in this catalogue meet the following requirements:
 - ※ If the compressor is less than 10HP: Height difference is $\leq 5\text{m}$, total length is $\leq 12\text{m}$
 - ※ If the compressor is more than 10HP: Height difference is $\leq 8\text{m}$, total length is $\leq 16\text{m}$
 Beyond above conditions, some failures would happen like less cooling capacity, poor oil return and compressor malfunction. If installation condition is really unfavorable and lengthening connecting pipe is necessary, please consult us before ordering, we can design non-standard product.
- 4.When the operator faces operation panel of the air conditioner, if refrigerant connection pipe (cooling water pipe) is on the left, the air conditioner is left type; on the right, right type. All the standard air conditioners listed in this catalogue are left type; right type is also available according to the need. Please consult us and let us know the type when placing an order.
5. As for the water cooled type, customer must equip “water flow protection switch” in the cooling water system. And it should be interlocked with “water flow protection” contact reserved in the air handling unit.
6. The standard products listed in this catalogue are designed and produced according to the current national standard GB/T 17758-2010 “Unit Type Air Conditioner”.
 - ※ Air cooled type: The outdoor ambient temperature for normal refrigeration operation of standard models is 18-43℃.
 - ※ Water cooled type: The condensate water inlet temperature of standard models during normal refrigeration operation is 16-34℃. Standard operating conditions: water inlet temperature 30℃, water outlet temperature 35℃.
 If the cooling operation condition is beyond the normal condition, we can provide you a non-standard design. Please consult us when placing an order.
- 7.All refrigerants adopted for standard products of this sample are eco-friendly R407C and R410A, with corresponding refrigerant performance parameters provided. For units utilizing other refrigerants, please consult our technical department; non-standard customized design is available upon request.



BUILD REPUTATION ON PROJECTS

只要努力满足客户的需求

继续引入更多的优质产品

我们一定能够培育出一个稳定的顾客群体

实现销售网络持续、稳定的增长

If we strive to meet the demands of the clients

continue to produce more products with high quality

We will nourish and set up a steadfast client group

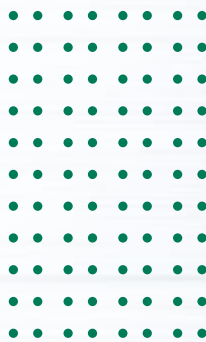
to realise the stable and steadfast expansion of the sales net

优良的品质和周到的服务，亚太集团取得了骄人的业绩。亚太中央空调工程进入了二十余个北京奥运场馆；遍布国内各省市并远销东南亚、非洲几十个国家和地区。

By high quality and fine service, Yatai Group has made great progresses. Yatai central air conditioning projects have spotted all over China and exported to dozens of countries and regions such as Southeast Asia, Africa and so on.



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