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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

Constant Temperature And Humidity Type

单元式空气调节机
恒温恒湿型



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

Dezhou Ya

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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

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德州亚太集团是国内大型暖通空调、洁净技术系统集成供应商。

集多年潜心研究，博采众长自成体系，打造出一流的暖通空调、洁净技术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、北京大兴国际机场、国家质检总局、北京小汤山医院、武汉火神山医院、武汉雷神山医院、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 HVAC and clean system in China.

Yatai has developed whole set of advanced HVAC and clean technology equipment 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 have won good reputation widely like the New CCTV, the Jiuquan Satellite Launching Center, Beijing Daxing International Airport, the General Bureau of National Quality Inspection, Beijing Xiaotangshan hospital, Wuhan Huoshenshan hospital, Wuhan Leishenshan hospital, Three-gorge Engineering Project, and over 20 Beijing Olympic Stadiums 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 been certified by ISO9001, 14001, 3C, UL, CE, CRAA, etc.; its chiller names have been put on the government purchasing list as energy saving products and obtained dozens of national patents, titles of National High-technology Enterprise and Chinese Famous Trademark, which fully show the high management levels and product qualities of Yatai Group.

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

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



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

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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 modernized equipment produced by world famous manufacturers And the high content leading in the same profession

Are Yatai's guarantee of maintaining his competitive advantage all the time

全球信赖品质

World Trusted Quality



CRAA产品认证
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ISO9001质量管理体系认证
Certified by ISO9001 quality system
ISO14001环境管理体系认证
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Honorable Qualification



CHILLERS

制冷机组系列

Unit Type Air Conditioner

Constant Temperature And Humidity Type

单元式空气调节机

恒温恒湿型

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风冷模块冷热水机组
Wind cooling modular chiller/heater system



户式风冷冷热水机组
Air-cooling residential chiller/heater system



水冷冷水机组
Water-cooling chiller system



水源热泵机组-地下水循环式
Water source heat pump—Underground water circulating type



水源热泵机组-地下环路式(地埋管)
Water source heat pump—Underground loop type (Embedded pipe)



屋顶式空气调节机组
Rooftop Air Handling Unit



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——恒温恒湿型，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、湿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、各类实验室及计算机房、通讯机房等对温度、湿度要求比较高的场所。

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5.5-272.7kW，送风量1200-48000m³/h。

2、水冷型：单机制冷量6.7-285.7kW，送风量1200-48000m³/h。

- ※ 选用国际知名品牌的压缩机和制冷配件；
- ※ 选用国际通用型电脑控制器及人机界面；
- ※ 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 brand unit type air conditioner—constant temperature and humidity type, is one kind of air conditioner developed independently by our company by learning characteristics from similar products home and abroad, which can handle surrounding temperature and humidity automatically. It is compact, reliable and easy for operation and maintenance.

This type air conditioner is mainly applied at places where temperature and humidity are very important such as industrial workshop, precision machinery assembly, electric power design center, hospital, all kinds of laboratory and computer room and so on.

This air conditioner conforms to the standard of GB/T17758-2023 “unit type air conditioner”

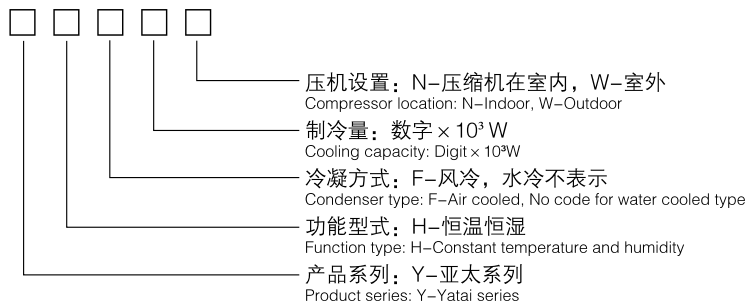
This air conditioner is divided into two series: Air cooled type: 1. Single unit cooling capacity is from 5.5kw to 272.7kW, air supply flow rate 1,200 to 48,000 m³/h.

2. Water cooled type: Single unit cooling capacity is from 6.7kW to 285.7kW, air supply flow rate 1,200 to 48,000 m³/h.

- ※ Equipped with world famous compressors and components;
- ※ Equipped with international universal PLC and man-machine interface;
- ※ Adopts steel structure, strong and durable;
- ※ RS-485 communication interface is optional in order to centralized monitoring;
- ※ All kinds of perfect protection measurements.

型号命名

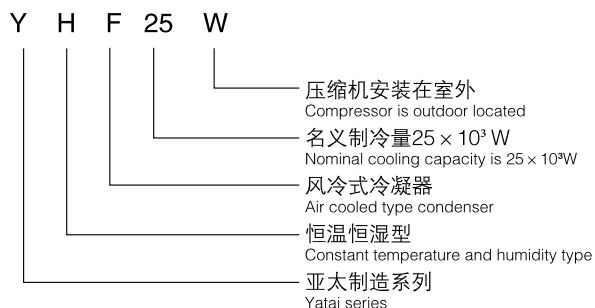
Nomenclature



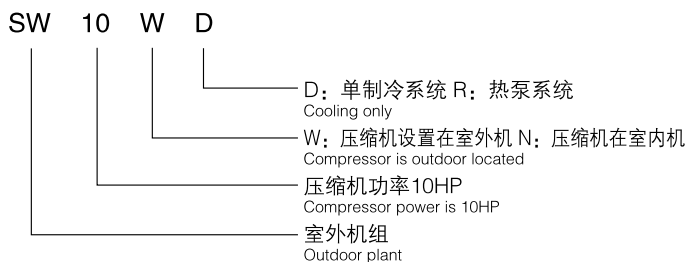
例:

For example:

室内机
Indoor plant

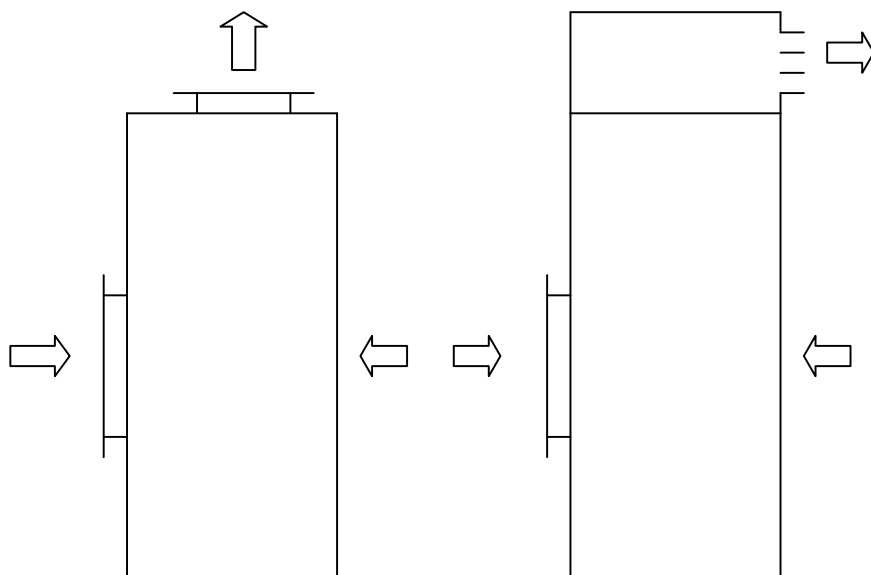


室外机
Outdoor plant



送回风方式

Air supply, return ways



A: 上送风, 后回风或前回风

A: Top air supply, back air return or front air return

B: 前送风, 前回风或后回风

B: Front air supply, front air return or back air return



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屋顶式空气调节机
Rooftop Air Handling Unit

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：23℃；湿球温度：17℃
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：23℃；湿球温度：17℃
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 23℃; wet-bulb 17℃
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 23℃; wet-bulb 17℃
The water temperature at condenser inlet side is 30℃; at outlet side 35℃

制热量测定条件

Heating capacity measurement conditions

电热加热条件：回风干球温度20℃。

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。

Electric heating condition: Air dry-bulb temperature at return side is 20℃.

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

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

蒸气加湿条件

Steam humidifying condition

蒸气加湿条件：蒸气压力0.2MPa。

Steam humidifying condition: Steam pressure is 0.2MPa.

特殊环境条件

Special environment conditions

国家标准GB/T17758-2023《单元式空气调节机》，对产品制冷运行的室外环境温度进行了规定，即在18-43℃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 outdoor environment temperatures when cooling have been specified in the national standards of GB/T17758-2023 "unit type air conditioner", that is, air conditioner must run normally within 18-43℃. If beyond these temperatures, the parameters and physical dimensions are not specified in this catalogue. If you need, can consult and we can design as non-standard air conditioner for you.



YHFN/W风冷系列性能参数

Performance parameters of YHFN/W air cooled series

室内机(表1)

Indoor plant (Table 1)

性能 Performance		型号 Model	YHF5N/W		YHF8N/W		YHF12N/W		YHF20N/W		YHF25N/W		YHF30N/W	
空调机组性能 Performance	制冷量 Cooling capacity	kW	5.5		8.2		12.3		19.4		25.2		29.4	
		万kcal/h 10000kcal/h	0.5		0.7		1.1		1.7		2.2		2.5	
	能量控制 Power control	%	0/100		0/100		0/100		0/100		0/100		0/100	
	电加热 Electric heating	kW	3.0		6.0		9.0		12.0		18.0		18.0	
		万kcal/h 10000kcal/h	0.3		0.5		0.8		1.0		1.6		1.6	
	送风量 Air supply flow	m³/h	1200		1500		2500		4200		5500		6500	
	机外静压 External residual pressure	Pa	0											
	机组噪音 Noise	dB(A)	55		58		60		60		62		64	
	温控范围 Temp control range	℃	18-28℃±2℃		18-28℃±1℃									
	湿度控制 Humidity control	%	50-70%±5-10%											
	使用电源 Power supply		AC 380V/3相/ 50Hz 3 phases 4 wires / 50Hz											
	输入功率 Input power		2.5		3.3		5.4		7.9		10.6		12.1	
	压缩机 Compressor	类 型 Type	全封闭压缩机 Fully closed compressor											
		数 量 Quantity	1											
	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 Coupled-type driving											
	过滤网 Air filter	初 效 Rough	G1尼龙网 Nylon screen											
	加热器 Heater	功 率 Power	3.0		6.0		9.0		12.0		18.0		18.0	
		组 数 Set	1		2									
	加湿器 Humidifier	形 式 Type	电极式 Electrode type											
		湿量 Capacity kg/h	2				4						6	
		进水管径 Pipe diameter of water feeding	1/2英寸 1/2 Inch											
	外形尺寸 Physical dimension	长 Length mm	800		800		1120		1250		1250		1490	
		宽 Width mm	560		560		650		650		650		650	
		高 Height mm	1650		1820		1975		2120		2120		2160	
	重量 (约) Weight(about)	kg	170	140	220	190	240	200	320	260	410	350	460	390

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。

3. 以上不含热水、蒸汽加热及其它加湿的相关技术参数，需要时可进行非标咨询设计。

4. 以上为标准“机外静压”型，如因工程特殊要求，可进行非标设计。

5. 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。

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。

7. “重量”为估算值，仅供参考。

1. The air conditioners mentioned on the above table are all front air supply and front air return type and with cowl and air ducts are unnecessary, if need special, we can design as non-standard.

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

3. The hot water heating, steam heating and other humidifying 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.

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



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屋顶式空气调节机组
Rooftop Air Handling Unit

室内机(表2)

Indoor plant (Table 2)

性能 Performance		型号 Model	YHF40N/W		YHF52N/W		YHF62N/W		YHF80N/W		YHF95N/W			
空调机组性能 Performance	制冷量 Cooling capacity	kW	39.5		51.8		61.7		80.4		94.2			
		万kcal/h 10000kcal/h	3.4		4.5		5.3		6.9		8.1			
	能量控制 Power control	%	0/50/100		0/50/100		0/50/100		0/33/50/67/100		0/33/67/100			
	电加热 Electric heating	kW	24.0		30.0		36.0		42.0		48.0			
		万kcal/h 10000kcal/h	2.1		2.6		3.1		3.6		4.1			
	送风量 Air supply flow	m³/h	8500		11000		13000		16000		18000			
	机外静压 External residual pressure	Pa	200		200		250		250		300			
	机组噪音 Noise	dB(A)	71		73		73		78		78			
	温控范围 Temp control range	℃	18–28℃ ± 1℃											
	湿度控制 Humidity control	%	50–70% ± 5–10%											
	使用电源 Power supply		AC 380V/3相/ 50Hz 3 phases 4 wires / 50Hz											
	输入功率 Input power	kW	16.5		20.7		23.8		30.7		37.2			
	压缩机 Compressor	类 型 Type	全封闭压缩机 Fully closed compressor											
		数 量 Quantity	2		2		2		2		3		3	
	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 Coupled–type driving											
	过滤网 Air filter	初 效 Rough	G1尼龙网 Nylon screen											
	加热器 Heater	功 率 Power	24.0		30.0		36.0		42.0		48.0			
		组 数 Set	2											
	加湿器 Humidifier	形 式 Type	电极式 Electrode type											
		湿量 Capacity kg/h	8.0				15.0							
		进水管径 Pipe diameter of water feeding	1/2英寸 1/2 Inch											
	外形尺寸 Physical dimension	长 Length mm	1540		1710		1950		2050		2050			
		宽 Width mm	750		750		850		1050		1150			
		高 Height mm	1950		1950		2150		2000		2000			
	重量 (约) Weight (about)	kg	490	370	510	380	690	520	880	680	960	720		

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、以上不含热水、蒸汽加热及其它加湿的相关技术参数，需要时可进行非标咨询设计。

4、以上为标准“机外静压”型，如因工程特殊要求，可进行非标设计。

5、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。

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。

7、“重量”为估算值，仅供参考。

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.“Input power” means power consumed under nominal working conditions when cooling.

3.The hot water heating, steam heating and other humidifying 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.

7.“Weight” is estimated, only for reference.



室内机(表3)

Indoor plant (Table3)

性能 Performance		型号 Model		YHF110N/W		YHF125N/W		YHF130N/W		YHF140N/W		YHF165N/W		
空调机组性能 Performance	制冷量 Cooling capacity	kW	107.8		123.6		129.4		138.5		163.3			
		万kcal/h 10000kcal/h	9.3		10.6		11.2		11.9		14.0			
	能量控制 Power control	%	0/25/33/50/67/100		0/33/67/100		0/25/50/75/100		0/50/100		0/25/33/50/67/100			
	电加热 Electric heating	kW	48.0		54.0		60.0		60.0		72.0			
		万kcal/h 10000kcal/h	4.1		4.6		5.2		5.2		6.2			
	送风量 Air supply flow	m³/h	20000		22000		24000		26000		28000			
	机外静压 External residual pressure	Pa	300		300		350		350		400			
	机组噪音 Noise	dB(A)	78		79		80		81		82			
	温控范围 Temp control range	℃	18-28℃±1℃											
	湿度控制 Humidity control	%	50-70%±5-10%											
	使用电源 Power supply		AC 380V/3相/ 50Hz 3 phases 4 wires / 50Hz											
	输入功率 Input power	kW	42.5		49.1		51.4		54.1		64.3			
	压缩机 Compressor	类 型 Type	全封闭压缩机 Fully closed compressor											
		数 量 Quantity	2	4	3		4		2		2	3		
	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 Coupled-type driving											
	过滤网 Air filter	初 效 Rough	G1尼龙网 Nylon screen											
	加热器 Heater	功 率 Power	48.0		54.0		60.0		60.0		72.0			
		组 数 Set	2											
	加湿器 Humidifier	形 式 Type	电极式 Electrode type											
		湿量 Capacity kg/h	23.0						32					
		进水管径 Pipe diameter of water feeding	1/2英寸 1/2 Inch											
	外形尺寸 Physical dimension	长 Length mm	2370						2680		2680			
		宽 Width mm	1250						1250		1450			
		高 Height mm	2000						2000		2100			
	重量 (约) Weight(about)	kg	1180	890	1230	950	1250	970	1280	960	1650	1320		

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. 以上不含热水、蒸汽加热及其它加湿的相关技术参数，需要时可进行非标咨询设计。

4. 以上为标准“机外静压”型，如因工程特殊要求，可进行非标设计。

5. 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。

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。

7. “重量”为估算值，仅供参考。

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

3. The hot water heating, steam heating and other humidifying 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.

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



风冷模块冷热水机组
Wind cooling modular chiller/heater system



户式风冷冷热水机组
Air-cooling residential chiller/heater system



水冷冷水机组
Water-cooling chiller system



水源热泵机组-地下水循环式
Water source heat pump—Underground water circulating type



水源热泵机组-地下环路式(地埋管)
Water source heat pump—Underground loop type (Embedded pipe)



屋顶式空气调节机
Rooftop Air Handling Unit

室内机(表4)

Indoor plant (Table4)

性能 Performance		型号 Model	YHF190N/W		YHF210N/W		YHF225N/W		YHF250N/W		YHF275W	
空调机组性能 Performance	制冷量 Cooling capacity	kW	188.4		207.9		223.6		248.3		272.7	
		万kcal/h 10000kcal/h	16.2		17.9		19.2		21.4		23.5	
	能量控制 Power control	%	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	84.0		84.0		96.0		96.0		108.0	
		万kcal/h 10000kcal/h	7.2		7.2		8.3		8.3		9.3	
	送风量 Air supply flow	m ³ /h	34000		37000		40000		45000		48000	
	机外静压 External residual pressure	Pa	400		400		450		450		500	
	机组噪音 Noise	dB(A)	83		83		85		86		87	
	温控范围 Temp control range	℃	18-28℃±1℃									
	湿度控制 Humidity control	%	50-70%±5-10%									
	使用电源 Power supply		AC 380V/3相/ 50Hz 3 phases 4 wires / 50Hz									
	输入功率 Input power	kW	74.6		82.9		88.1		97.9		106.9	
	压缩机 Compressor	类 型 Type	全封闭压缩机 Fully closed compressor									
		数 量 Quantity	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 Coupled-type driving									
	过滤网 Air filter	初 效 Rough	G1尼龙网 Nylon screen									
	加热器 Heater	功 率 Power	84.0		84.0		96.0		96.0		108.0	
		组 数 Set	3									
	加湿器 Humidifier	形 式 Type	电极式 Electrode type									
		湿量 Capacity kg/h	32.0		45.0				64.0			
		进水管径 Pipe diameter of water feeding	1/2英寸 1/2 Inch									
	外形尺寸 Physical dimension	长 Length mm	2850				3250		3450			
		宽 Width mm	1450				1450		1600			
		高 Height mm	2100				2100		2100			
	重量 (约) Weight(about)	kg	1790	1380	1880	1400	2040	1480	2180	1580	2290	1650

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、以上不含热水、蒸汽加热及其它加湿的相关技术参数，需要时可进行非标咨询设计。

4、以上为标准“机外静压”型，如因工程特殊要求，可进行非标设计。

5、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。

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。

7、“重量”为估算值，仅供参考。

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.“Input power” means power consumed under nominal working conditions when cooling.

3.The hot water heating, steam heating and other humidifying 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.

7.“Weight” is estimated, only for reference.



室外机 (表1)
Outdoor plant (Table1)

性能 Performance		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
冷凝器 Condenser	类型 Type	铜管涨铝翅片 Copper pipe passing through aluminium fin										
	类型 Type	轴流式 Axial										
	风量 Air flow rate m ³ /h		4500	5400	7600	10600	13500	13500	10600	10600	13500	10600
	功率 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 Length (mm)		930	930	1130	1130	1160	1560	1950	1950	2340	2745
	宽 Width (mm)		780	780	780	940	970	970	1020	1020	1020	1020
	高 Height (mm)		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 × 0.75	Φ9 × 0.75	Φ9 × 0.75	Φ12 × 1.0	Φ16 × 1.0	Φ16 × 1.0	Φ16 × 1.0	Φ22 × 1.0	Φ22 × 1.2	Φ28 × 1.5
	排汽铜管 Gas exhaust pipe		Φ12 × 1.0	Φ12 × 1.0	Φ12 × 1.0	Φ19 × 1.0	Φ19 × 1.0	Φ19 × 1.0	Φ28 × 1.5	Φ35 × 1.5	Φ35 × 1.5	Φ35 × 1.5

室外机 (表2)
Outdoor plant (Table2)

性能 Performance		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
压缩机 Compressor	类型 Type	全封闭涡旋压缩机 Fully closed scroll compressor										
	功率 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	铜管涨铝翅片 Copper pipe passing through aluminium fin										
冷凝风机 Condensate fan	类型 Type	轴流式 Axial										
	风量 Air flow rate m³/h	4500	5400	7600	10600	13500	13500	10600	10600	13500	10600	
	功率 Power kW	0.25	0.37	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	550	
外形尺寸 Physical dimension	长 Length (mm)	930	930	1130	1130	1160	1560	1950	1950	2340	2745	
	宽 Width (mm)	780	780	780	940	970	970	1020	1020	1020	1020	
	高 Height (mm)	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	Φ9×0.75	Φ9×0.75	Φ9×0.75	Φ12×1.0	Φ16×1.0	Φ16×1.0	Φ19×1.0	Φ22×1.2	Φ22×1.2	Φ28×1.5	
	排汽铜管 Gas exhaust pipe	Φ19×1.0	Φ19×1.0	Φ22×1.2	Φ22×1.2	Φ22×1.2	Φ22×1.2	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 inside the outdoor plant.
2. "Physical dimension" is only for reference, our company reserves the right of changing and do not notice in advance.
3. "Weight" is estimated, only for reference.



风冷模块冷热水机组
Wind cooling modular chiller/heater system



户式风冷冷热水机组
Air-cooling residential chiller/heater system



水冷冷水机组
Water-cooling chiller system



水源热泵机组-地下水循环式
Water source heat pump—Underground water circulating type



水源热泵机组-地下环路式(地埋管)
Water source heat pump—Underground loop type (Embedded pipe)

屋顶式空气调节机
Rooftop Air Handling Unit



室内外机配套数量

How do the indoor plant and outdoor plant support each other

YHFN系列

YHFN series

室外机型号 Outdoor plant 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 plant model										
YHF5N	1*									
YHF8N		1*								
YHF12N	2		1*							
YHF20N		2		1*						
YHF25N			2		1*					
YHF40N				2*						
YHF52N					2*					
YHF30N						1*				
YHF62N						2*				
YHF80N							2*			
YHF110N								2*		
YHF140N									2*	
YHF165N										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 plant marked with “*” is in standard support of the indoor plant.
- 2.Indoor plant can match with other outdoor plants according to the site requirement.

YHFW系列

YHFW 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										
YHF5W	1*									
YHF8W		1*								
YHF12W	2		1*							
YHF20W		2		1*						
YHF25W			2		1*					
YHF40W		4		2*						
YHF52W			4		2*					
YHF80W					3*					
YHF110W					4*					
YHF30W						1*				
YHF62W						2*				
YHF95W						3*				
YHF125W							3*			
YHF130W						4*				
YHF165W							4*	3		2*
YHF190W							2*	2*		
YHF210W									3*	
YHF225W								4*		
YHF250W								2	2	3*
YHF275W									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 plant marked with “*” is in standard support of the indoor plant.
- 2.Indoor plant can match with other outdoor plants according to the site requirement.



YHN水冷系列性能参数

Performance parameters of YHN water cooled series

表1

Table 1

性能 Performance		型号 Model	YH7N	YH10N	YH15N	YH22N	YH30N	YH35N
空调机组性能 Performance	制冷量 Cooling capacity	kW	6.7	9.6	15.0	22.3	29.7	34.6
		万kcal/h 10000kcal/h	0.6	0.8	1.3	1.9	2.6	3.0
	能量控制 Power control	%	0/100	0/100	0/100	0/100	0/100	0/100
	电加热 Electric heating	kW	3.0	6.0	9.0	12.0	18.0	18.0
		万kcal/h 10000kcal/h	0.3	0.5	0.8	1.0	1.6	1.6
	送风量 Air supply flow	m³/h	1200	1500	2500	4200	5500	6500
	机外静压 External residual pressure	Pa	0					
	机组噪音 Noise	dB(A)	55	58	60	60	62	64
	温控范围 Temp control range	℃	18-28℃ ± 2℃	18-28℃ ± 1℃				
	湿度控制 Humidity control	%	50-70% ± 5-10%					
	使用电源 Power supply		AC 380V/3相/ 50Hz 3 phases 4 wires / 50Hz					
	输入功率 Input power	kW	2.3	3.3	4.5	6.8	9.2	10.3
	压缩机 Compressor	类 型 Type	全封闭压缩机 Fully closed compressor					
		数 量 Quantity	1					
	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 Coupled-type driving					
	过滤网 Air filter	初 效 Rough	G1尼龙网 Nylon screen					
	加热器 Heater	功 率 Power	3.0	6.0	9.0	12.0	18.0	18.0
		组 数 Set	1	2				
	加湿器 Humidifier	形 式 Type	电极式 Electrode type					
		湿量 Capacity kg/h	2	4			6	
		进水管径 Pipe diameter of water feeding	1/2英寸 Inch					
	冷却水 Cooling water	流 量 Flow rate m³/h	1.4	2.2	3.3	4.9	6.5	7.3
		管径 DN Pipe diameter	1-1/2					
	外形尺寸 Physical dimension	长 Length mm	800	800	1120	1250	1250	1490
		宽 Width mm	560	560	650	650	650	650
		高 Height mm	1650	1820	1975	2120	2120	2160
	重量 (约) Weight(about)	kg	205	230	270	380	460	480

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、蒸汽加热及其它加湿的相关技术参数，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。

7、“重量”为估算值，仅供参考。

1.The air conditioners mentioned on the above table are all front air supply and front air return type and with cowl and air ducts are unnecessary, if need special, we can design as non-standard. 2."Input power" means power consumed under nominal working conditions when cooling, does not include power consumed by water pump. 3.The hot water heating, steam heating and other humidifying 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. 7."Weight" is estimated, only for reference.



风冷模块冷热水机组
Wind cooling modular chiller/heater system



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Air-cooling residential chiller/heater system



水冷冷水机组
Water-cooling chiller system



水源热泵机组—地下水循环式
Water source heat pump—Underground water circulating type



水源热泵机组—地下环路式(地埋管)
Water source heat pump—Underground loop type (Embedded pipe)



屋顶式空气调节机
Rooftop Air Handling Unit

表2
Table 2

性能 Performance			型号 Model		YH45N	YH59N	YH67N	YH90N	YH110N	YH120N	YH135N	YH140N
空调机组性能 Performance	制冷量 Cooling capacity	kW	44.3	58.8	66.5	89.4	107.6	117.8	134.5	138.4		
		万kcal/h 10000kcal/h	3.8	5.1	5.7	7.7	9.3	10.1	11.6	11.9		
	能量控制 Power control	%	0/50/100	0/50/100	0/50/100	0/33/50/67/100	0/33/67100	0/33/50/67100	0/33/67100	0/25/50/75100		
	电加热 Electric heating	kW	24.0	30.0	36.0	42.0	48.0	48.0	54.0	60.0		
		万kcal/h 10000kcal/h	2.1	2.6	3.1	3.6	4.1	4.1	4.6	5.2		
	送风量 Air supply flow	m³/h	8500	11000	13000	16000	18000	20000	22000	24000		
	机外静压 External residual pressure	Pa	200	200	250	250	300	300	300	350		
	机组噪音 Noise	dB(A)	71	73	73	78	78	78	79	80		
	温控范围 Temp control range	℃	18-28℃ ± 1℃									
	湿度控制 Humidity control	%	50-70% ± 5-10%									
	使用电源 Power supply		AC 380V/3相/ 50Hz 3 phases 4 wires / 50Hz									
	输入功率 Input power	kW	13.9	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 closed compressor									
		数 量 Quantity	2	2	2	2	3	3	2	4	3	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 Coupled-type driving									
	过滤网 Air filter	初 效 Rough	尼龙网 Nylon screen									
	加热器 Heater	功 率 Power	24.0	30.0	36.0	42.0	48.0	48.0	54.0	60.0		
		组 数 Set	2									
	加湿器 Humidifier	形 式 Type	电极式 Electrode type									
		湿量 Capacity kg/h	8.0	15.0				23.0				
		进水管径 Pipe diameter of water feeding	1/2英寸 Inch									
	冷却水 Cooling water	流 量 Flow rate m³/h	9.7	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 Length mm	1540	1710	1950	2040	2050	2370				
		宽 Width mm	750	750	850	1050	1150	1250				
		高 Height mm	1950	1950	2150	2000	2000	2000				
	重量 (约) Weight(about)	kg	580	650	840	1030	1080	1150	1350	1400	1450	1500

- 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、蒸汽加热及其它加湿的相关技术参数，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。
- 7、“重量”为估算值，仅供参考。

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.“Input power” means power consumed under nominal working conditions when cooling, does not include power consumed by water pump. 3.The hot water heating, steam heating and other humidifying 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. 7.“Weight” is estimated, only for reference.



表3
Table 3

性能 Performance		型号 Model	YH150N	YH170N	YH200N	YH215N	YH230N	YH260N	YH290N			
空调机组性能 Performance	制冷量 Cooling capacity	kW	148.5	170.3	196.5	212.9	228.6	258.3	285.7			
		万kcal/h 10000kcal/h	12.8	14.7	16.9	18.3	19.7	22.2	24.6			
	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 10000kcal/h	5.2	6.2	7.2	7.2	8.3	8.3	9.3			
	送风量 Air supply flow	m³/h	26000	28000	34000	37000	40000	45000	48000			
	机外静压 External residual pressure	Pa	350	400	400	400	450	450	500			
	机组噪音 Noise	dB(A)	81	82	83	83	85	86	87			
	温控范围 Temp control range	℃	18-28℃ ± 1℃									
	湿度控制 Humidity control	%	50-70% ± 5-10%									
	使用电源 Power supply		AC 380V/3相/ 50Hz 3 phases 4 wires / 50Hz									
	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 closed compressor									
		数 量 Quantity	2	2	3	4	4	3	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									
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	加热器 Heater	功 率 Power	60.0	72.0	84.0	84.0	96.0	96.0	108.0			
		组 数 Set	3									
	加湿器 Humidifier	形 式 Type	电极式 Electrode type									
		湿 量 Capacity kg/h	32		32.0		45.0		64.0			
		进水管径 Pipe diameter of water feeding	1/2英寸 Inch									
	冷却水 Cooling water	流 量 Flow rate m³/h	31.2	37.5		42.2		44.8		48.1	54.5	60.8
		管径 DN Pipe diameter	3"			3"			4"			
	外形尺寸 Physical dimension	长 Length mm	2680	2680		2850		3250		3450		
		宽 Width mm	1250	1450		1450		1450		1600		
		高 Height mm	2100	2100		2100		2100		2100		
	重量 (约) Weight(about)	kg	1550	1900	2050	2100	2200	2400	2600	2750		

1、表中机型均为顶送风、后回风配法兰型，需与送回风管配套使用。
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3、以上不含热水、蒸汽加热及其它加湿的相关技术参数，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。

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风冷模块冷热水机组
Wind cooling modular chiller/heater system



户式风冷冷热水机组
Air-cooling residential chiller/heater system



水冷冷水机组
Water-cooling chiller system



水源热泵机组-地下水循环式
Water source heat pump—Underground water circulating type



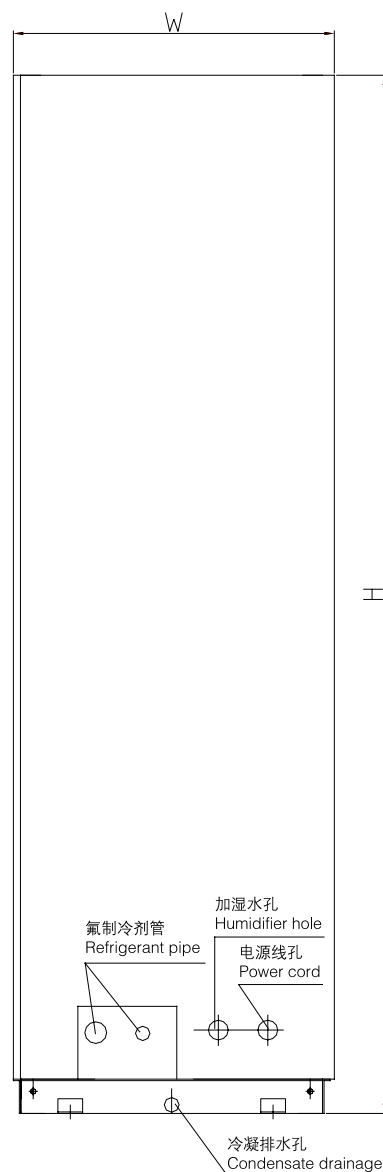
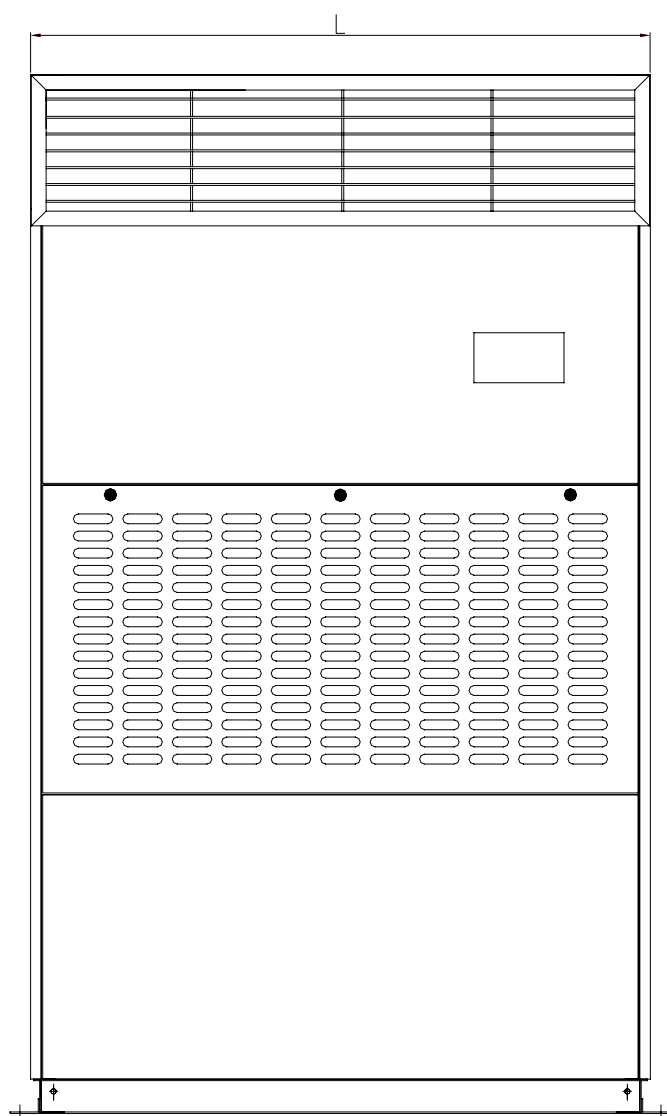
水源热泵机组-地下环路式(地埋管)
Water source heat pump—Underground loop type (Buried pipe)



屋顶式空气调节机
Rooftop Air Handling Unit

外形尺寸图 Physical dimension

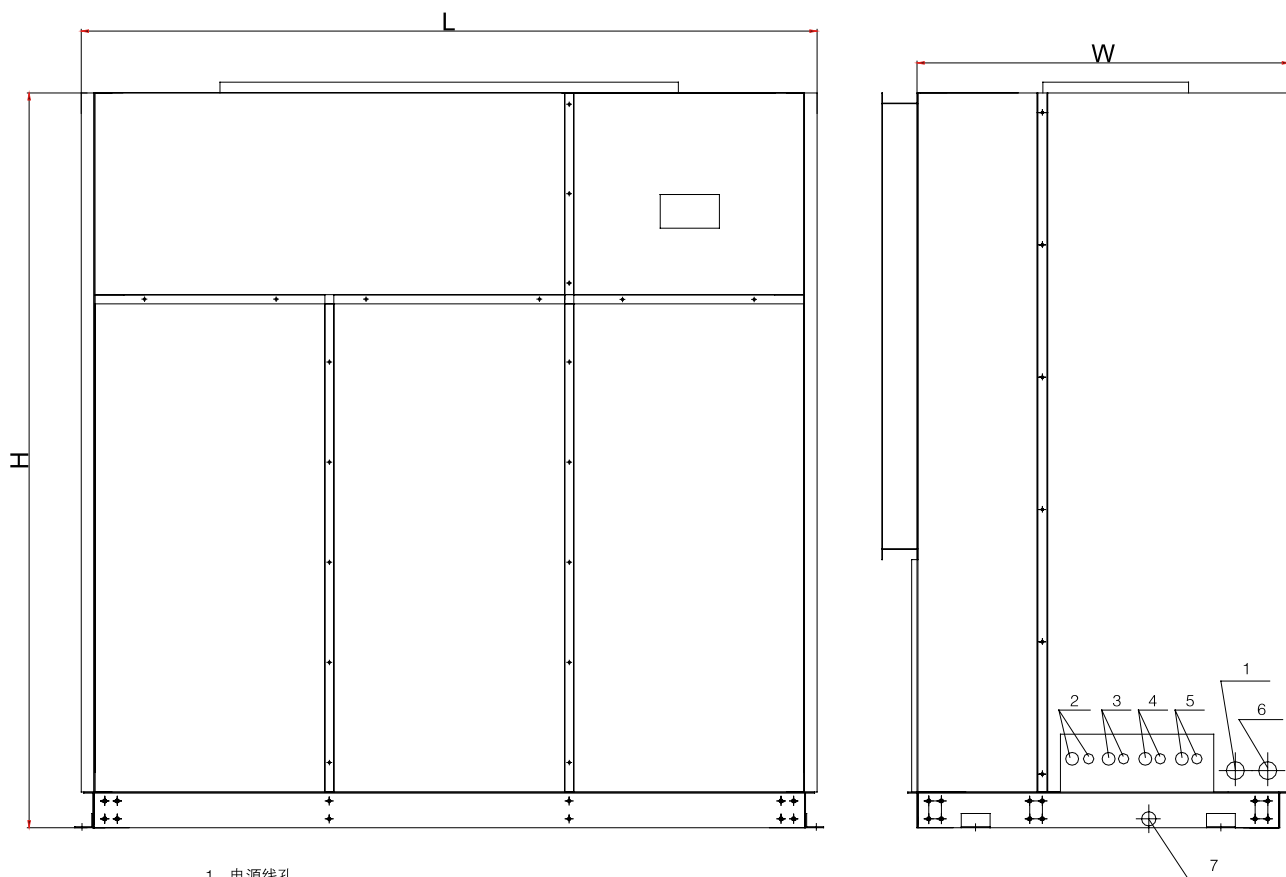
YH (F) N/W系列 (配送风帽) YH(F)N/W series (with cowl)



注：YHF40N/W、YHF52N/W为双压缩机系统
Remark: The YHF40N/W and YHF52N/W types are equipped with two compressor systems.

	YHF5N/W YH7N	YHF8N/W YH9N	YHF12N/W YH15N	YHF20N/W YH22N	YHF25N/W YH30N	YHF30N/W YH33N	YHF40N/W YH45N	YHF52N/W YH59N
L	840	1070	1120	1150	1250	1490	1540	1710
H	460	510	650	650	650	650	750	750
W	1650	1770	1975	2120	2120	2160	1950	1950

YH (F) 系列 YH(F) series



- 1、电源线孔
- 2、系统一
- 3、系统二
- 4、系统三
- 5、系统四
- 6、加湿水孔
- 7、冷凝排水孔
- 1、 Power cord
- 2、 First system
- 3、 Second system
- 4、 Third system
- 5、 Fourth system
- 6、 Humidifier hole
- 7、 Condensate drainage

	YHF40N/W YH45N	YHF52N/W YH59N	YHF62W YH67N	YHF80N/W YH90N	YHF95N/W YH110N	YHF110N/W YH120N	YHF125N/W YH135N	YHF130N/W YH140N	YHF140N/W YH150N
L	1540	1710	1950	2040	2370				
H	750	750	850	1050	1250				
W	1950	1950	2150	2000	2100				



风冷模块冷热水机组
Wind cooling modular chiller/heater system



户式风冷冷热水机组
Air-cooling residential chiller/heater system



水冷冷水机组
Water-cooling chiller system



水源热泵机组-地下水循环式
Water source heat pump—Underground water circulating type



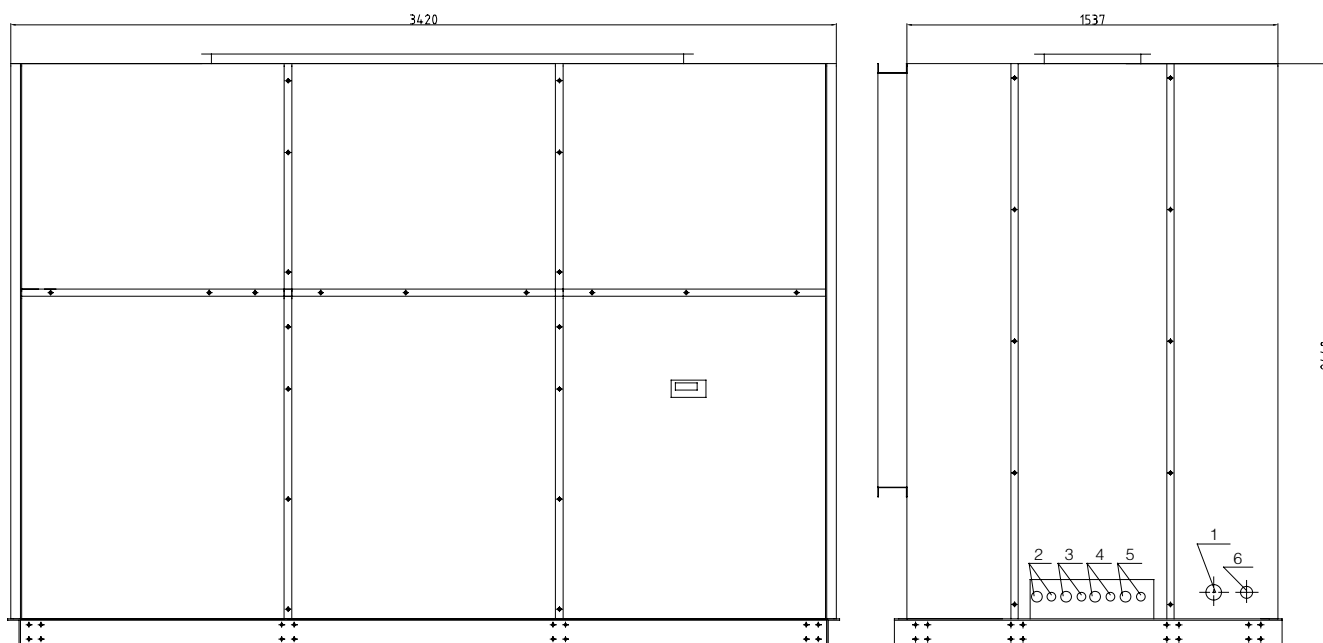
水源热泵机组-地下环路式(地埋管)
Water source heat pump—Underground loop type (Embedded pipes)



屋顶式空气调节机
Rooftop Air Handling Unit

YH (F) 系列

YH(F) series



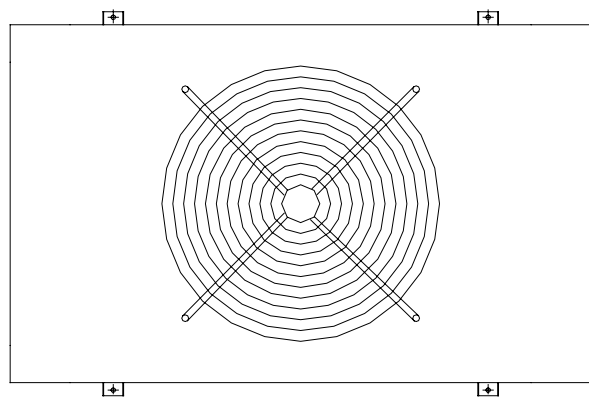
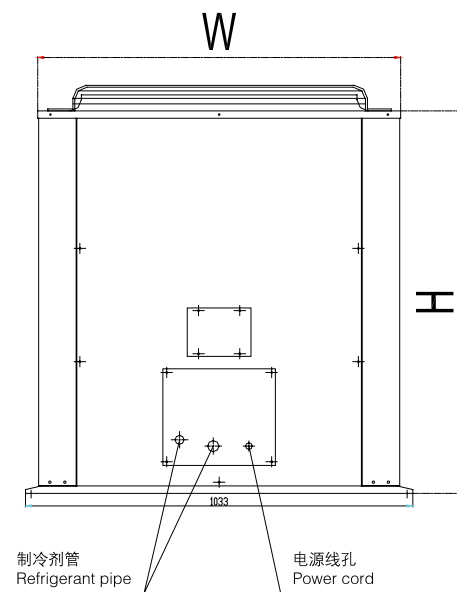
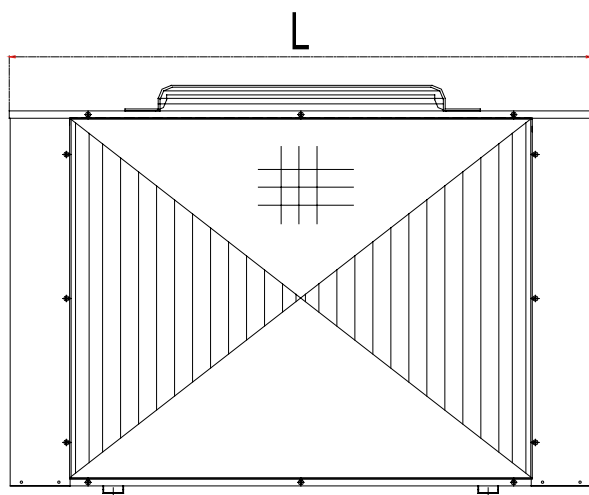
- 1、电源线孔
- 2、系统一
- 3、系统二
- 4、系统三
- 5、系统四
- 6、加湿水孔
- 1、Power cord
- 2、First system
- 3、Second system
- 4、Third system
- 5、Fourth system
- 6、Humidifier hole

	YHF165N/W YH170N	YHF190W YH200W	YHF210W YH215W	YHF225W YH230N	YHF250W YH260N	YHF275W YH290N
L	2680	2820		2980	3580	
H	1450	1450		1450	1600	
W	2100	2350		2350	2150	



SW系列室外机

SW series



	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
H	780	780	780	940	970	970
W	725	1050	1050	1050	1050	1050



风冷模块冷热水机组
Wind cooling modular chiller/heater system



户式风冷冷热水机组
Air-cooling residential chiller/heater system



水冷冷水机组
Water-cooling chiller system



水源热泵机组-地下水循环式
Water source heat pump—Underground water circulating type



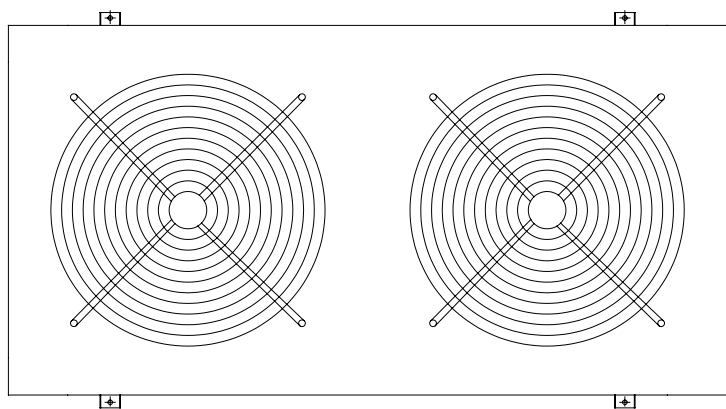
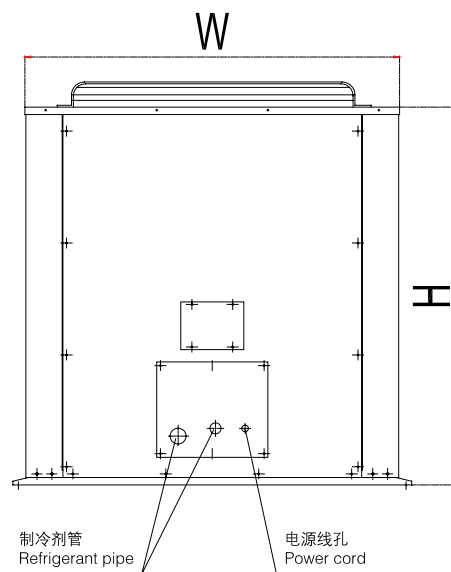
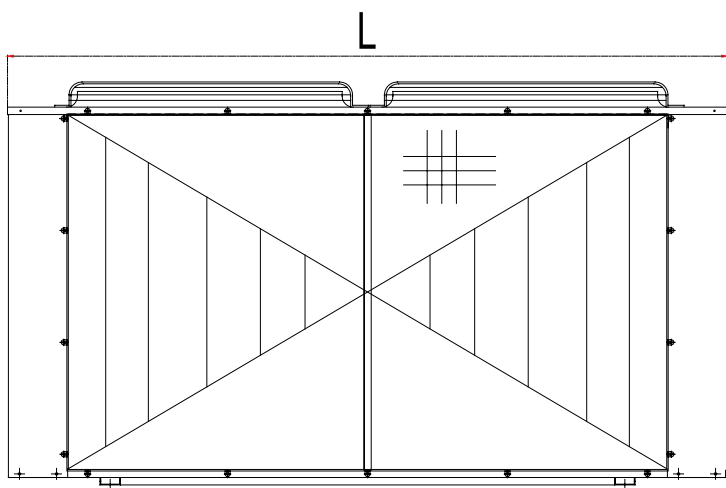
水源热泵机组-地下环路式(地埋管)
Water source heat pump—Underground loop type (Embedded pipe)



屋顶式空气调节机
Rooftop Air Handling Unit

SW系列室外机

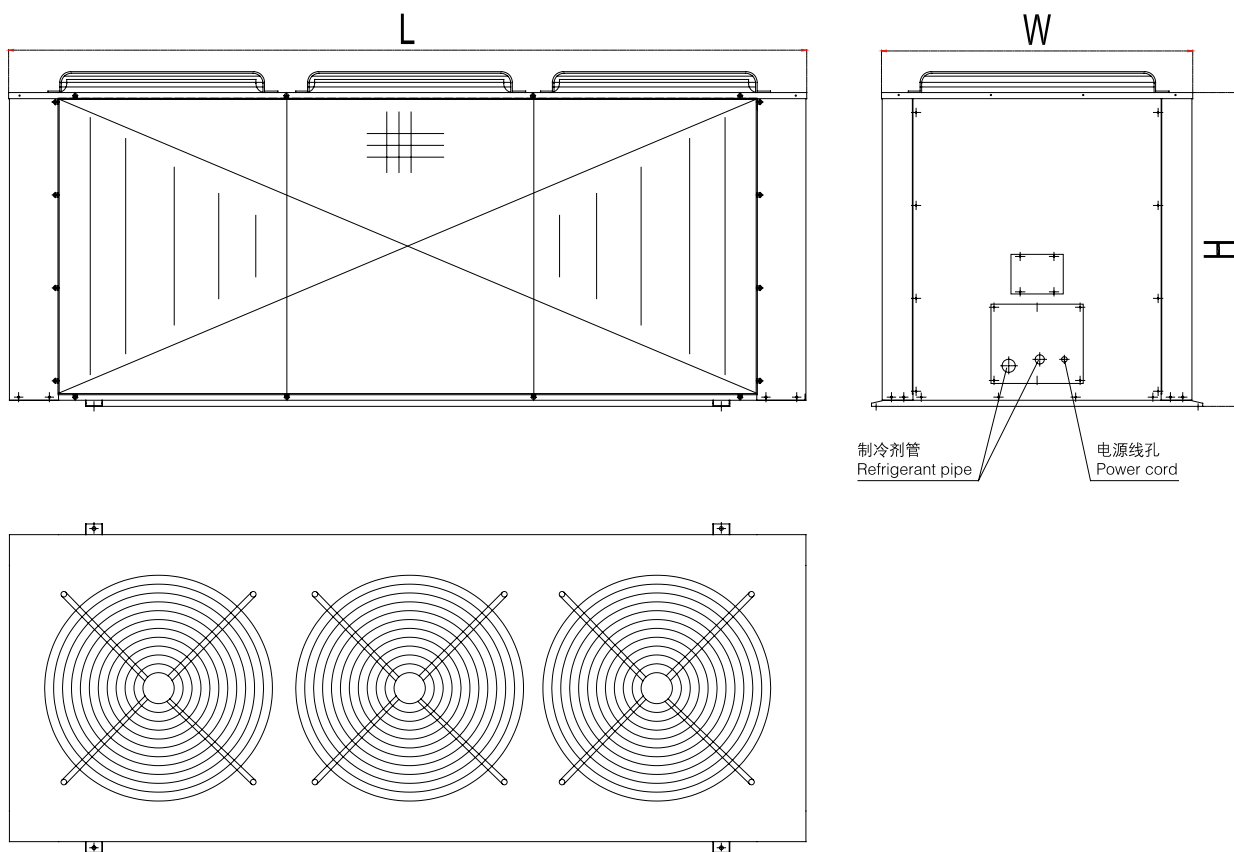
SW series



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

SW系列室外机

SW series



	SW-30-N/W
L	2745
H	1020
W	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。本样本满足一下要求：
 - ※ 压缩机小于10HP：高度差 $\leq 4\text{m}$ 、总长度 $\leq 8\text{m}$
 - 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，如需要其余冷媒参数请技术咨询，可进行非标设计。

- 1.The performance parameter tables have listed the cooling capacities under “nominal working conditions”, if the real working condition is different with “nominal working condition”, please correct them when selecting.
- 2.The air pressure values 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, correct the “external static pressure” values according to the requirements. The standard air conditioner is only equipped with “two layers of nylon screen”, if rough, middle efficient air filters are necessary, please consult and we can design as non-standard.
- 3.The refrigerant connection pipe length between indoor and outdoor plants depends on the different kinds of air conditioner. The air conditioners listed in this catalogue meet the following requirements:
 - If compressor is less than 10HP: Height difference is $\leq 4\text{m}$, total length is $\leq 8\text{m}$
 - If compressor is more than 10HP: Height difference is $\leq 6\text{m}$, total length is $\leq 12\text{m}$
 - If overrun above conditions, some failures would happened like less cooling capacity, bad oil return, even compressor damaged. If installation condition is really bad and lengthening connection pipe is necessary, please consult before ordering, we can design as non-standard.
- 4.Operator faces the operation panel, if refrigerant connection pipe (cooling water pipe) is on the left, the air conditioner is left type; on the right, right type. All the air conditioners listed in this catalogue are standard left type ones; right type is also available according to the need, please consult and let us know when placing your order.
- 5.As for the water cooled type, customer must equip “water flow protection valve” in the cooling water system, the valve shall link with the “water flow protection” contact reserved at the air conditioner interface.
- 6.The air conditioners listed in this catalogue are standard ones, designed and produced according to current national standard of GB/T 17758-2023 “unit type air conditioner” .
 - Air cooled type: The outdoor environment temperature range of the standard air conditioner normal cooling is 18-43℃.
 - Water cooled type: The water temperature at condenser inlet side of the standard air conditioner normal cooling is 16-34℃. Standard working condition: water inlet 30℃, water outlet 35℃.
 - If outnumbering the above conditions when running for cooling, we can design as non-standard. Please consult and remark when placing order.
- 7.All sample standard-product units adopt R407C and R410A refrigerants. For performance parameters of refrigerants, please specify other-refrigerant-required units during inquiry and order placement if needed.



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We will nourish and set up a steadfast client group

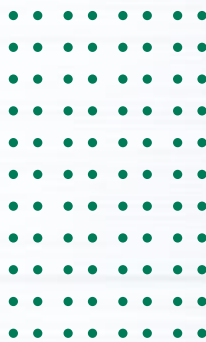
to realise the stable and steadfast expansion of the sales net

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样本名称：单元式空气调节机-恒温恒湿型 样本序号：SDYT-YB-A11 印刷时间：2026年 开本：1194-889竖16开(1000)



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青岛办事处 电话：(0532)82887975 传真：(0532)82887976 Qingdao Office Tel: (0532)82887975 Fax: (0532)82887976	安徽办事处 电话：(0551)64274878 传真：(0551)64274868 Anhui Office Tel: (0551)64274878 Fax: (0551)64274868	四川办事处 电话：(028)83317691 传真：(028)83317692 Sichuan Office Tel: (028)83317691 Fax: (028)83317692	甘肃办事处 电话：(0931)2791920 传真：(0931)2791920 Gansu Office Tel: (0931)2791920 Fax: (0931)2791920	吉林办事处 电话：(0431)81232176 传真：(0431)81232178 Jilin Office Tel: (0431)81232176 Fax: (0431)81232178	徐州办事处 电话：(0516)83061415 传真：(0516)83061462 Xuzhou office Tel: (0516)83061415 Fax: (0516)83061462	黑龙江办事处 电话：(0451)51757348 传真：(0451)51754348 Heilongjiang office Tel: (0451)51757348 Fax: (0451)51754348
宁夏办事处 电话：(0951)7659633 传真：(0951)7659633 Ningxia Office Tel: (0951)7659633 Fax: (0951)7659633	新疆办事处 电话：(0991)6634488 传真：(0991)6628805 Xinjiang Office Tel: (0991)6634488 Fax: (0991)6628805	雄安新区办事处 电话：(0312)5621156 传真：(0312)5621157 Xiongan New Area Office Tel: (0312)5621156 Fax: (0312)5621157	湖北办事处 电话：(027)84638881 传真：(027)84638882 Hubei Office Tel: (027)84638881 Fax: (027)84638882			