



CHILLERS
制冷机组系列
A12

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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

Cellular Air Handling Unit- Suspension Type

Cold/hot Blast Type

单元式空气调节机—吊顶式
冷热风型



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We knew the world before, the world knows us now.

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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 Afpro 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 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



机电设备安装工程专业承包壹级资质
the First-grade Certification of Electromechanical Equipment Installation
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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
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Honorable Qualification



CHILLERS

制冷机组系列

Cellular Air Handling Unit-Suspension Type

Cold/hot Blast Type

单元式空气调节机—吊顶式

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-circulating type geothermal water source heat pump units

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

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 chiller

低环境温度空
Low ambient temperature



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—吊顶型机组，是亚太集团自主研发适用于对环境温度自动调节的空调机组，其结构新颖紧凑、性能可靠、操作维护方便，而且安装方便节约空间。

该类机组主要适用于工业厂房间、精密机械制造、电力设备中心、医疗卫生、各种办公会议室等对温度要求比较高的场所。

本产品执行标准 GB/T 17758-2023《单元式空气调节机》

产品分为两大系列：

- 1、风冷冷风（电热）型：制冷量5.9-124.3kW，电热量4.5-48kW，送风量1200-24000m³/h。
- 2、风冷热泵型：制冷量5.9-124.3kW，制热量6.1-127.1kW，送风量1200-24000m³/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；
- ※ 吊装型铝合金彩板结构，美观耐用；
- ※ 完善的各种保护措施；

Yatai brand cellular air handling unit---suspension type, is one kind of air conditioner developed independently by our company, which can regulate surrounding temperature automatically. It is compact, reliable and easy for operation and maintenance and can save installation space.

This type air handling unit is mainly applied at places where temperature is very important such as industrial workshop, precision machinery assembly, electric power design center, hospital, all kinds of office and meeting room and so on.

This air handling unit conforms to the standard of GB/T17758-2023 "cellular air handling unit"

There are two series

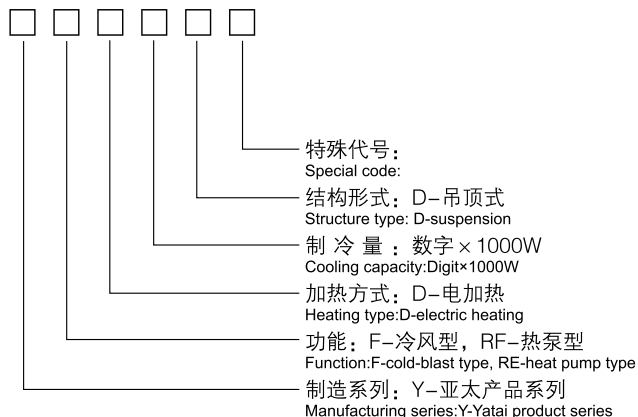
1. Air cooled cold-blast (electric heating) type: The cooling capacity is 5.9-124.3kW, electric heating capacity 4.5-48 kW, air flow rate is 1200-24000m³/h
2. Air cooled heat pump type: The cooling capacity is 5.9-124.3kW, heating capacity is 6.1-127.1kW, air supply flow rate 1200-24000m³/h

- ※ Equipped with world famous compressors and components.
- ※ Equipped with special PLC and liquid-crystal man-machine interface.
- ※ The suspension type adopts aluminium structure, strong and durable.
- ※ All kinds of perfect protection measurements.



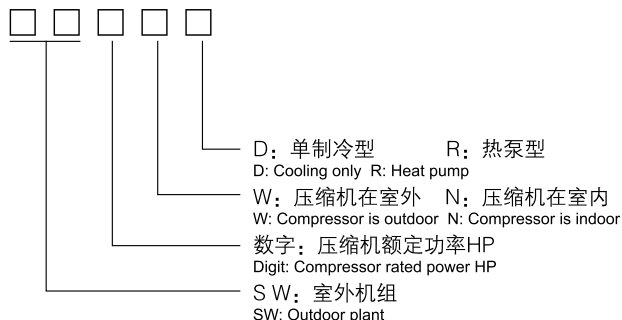
室内机型号命名

Model nomenclature for indoor plant



室外机型号命名

Model nomenclature for outdoor plant



例:

For example:

YF14D: 冷风型吊顶单元式空气调节机, 制冷量14000W。

YRF22D: 热泵型吊顶单元式空气调节机, 制冷量22000W, 制热量23100W。

SW-5-WD: 压缩机在室外侧、单制冷型5HP室外机组。

SW-10-WR: 压缩机在室外侧、热泵冷热两用型10HP室外机组。

YF14D: Cold-blast type suspension cellular air handling unit, cooling capacity is 14000W.

YRF22D: Heat pump type suspension cellular air handling unit, cooling capacity is 22000W, heating capacity is 23100W.

SW-5-WD: Compressor is in outdoor plant, cooling only type, 5HP outdoor plant.

SW-10-WR: Compressor is in outdoor plant, heat pump and cooling and heating two purpose, 10HP outdoor plant.

送回风方式

Air supply, return ways

水平送回风, 均配送回风接管法兰。

Supply and return air horizontally, all equipped with duct connecting flange.

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:

※ 风冷热泵型 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℃

The cooling capacity and relative performance parameters of the sample are measured in the following working conditions:

※ Air cooled (heat pump) type Evaporator inlet dry-bulb temperature is 27℃; wet-bulb 19℃; Condenser inlet dry-bulb temperature is 35℃; wet-bulb 24℃;

制热量测定条件

Heating capacity measurement condition

样本中的制热量性能参数, 均是在以下工况条件测定的:

※ 风冷热泵型 室内侧进口干球温度: 20℃; 室外侧进口干球温度7℃, 湿球温度6℃。

※ 电加热型 室内侧进口干球温度: 20℃

The heating capacities specified in this catalogue are all measured under the following working conditions:

※ Air cooled heat pump type The inlet dry-bulb temperature at indoor side is 20℃; The inlet dry-bulb temperature at outdoor side is 7℃; the wet-bulb is 6℃;

※ Electric heating type The inlet dry-bulb temperature at indoor side is 20℃

特殊环境条件

Special environment condition

国家标准GB/T 17758-2023《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18-43℃; ※制热-7-21℃; 在此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/heating have been specified in the national standards of GB/T17758-2023 "cellular air handling unit", that is, cooling 18-43℃, heating 7-12℃; our air handling unit can run normally within these temperatures. 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 handling unit for you.

YF(D)风冷冷风(电热)系列

YF(D) air cooled cold-blast (electric heating) series

室内机性能参数(表1)

Performance parameters of indoor plant (Table 1)

性能 Performance			型号 Model	YF(D)6D	YF(D)10D	YF(D)14D	YF(D)22D	YF(D)28D	YF(D)34D
空调机组性能 Performance	制冷量 Cooling capacity	kW		5.9	9.5	13.4	21.1	26.8	32.5
		万kcal/h 10000kcal/h		0.51	0.82	1.15	1.82	2.31	2.8
	能量控制 Power control	%		0/100	0/100	0/100	0/100	0/100	0/100
	电加热 Electric heating	kW		4.5	6	9	12	18	18
	送风量 Air supply flow	m³/h		1200	1600	2600	4100	5600	6000
	机外余压 External residual pressure	Pa		30	50	50	60	80	100
	机组噪音 Noise	dB(A)		58	56	60	62	62	64
	温控范围 Temp control range	℃		18-30℃±2℃					
	使用电源 Power supply			AC 380V 50Hz (三相四线制) AC 380V 50Hz (3 phases 4 wires)					
	制冷功率 Cooling power	kW		2.26	3.35	4.86	7.83	9.74	11.57
室内机 Indoor plant	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		离心式风机 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	电加热 Electric heating		1×4.5	1×6	2×4.5	2×6	2×9	2×9
	外形尺寸 Physical dimension	宽(mm) Width		820	900	1050	1280	1580	1580
		高(mm) Height		580	580	630	680	730	780
		深(mm) Depth		850	850	850	950	1050	1050
	重量 Weight	kg		70/80	85/100	110/120	135/160	160/185	190/225

- 1、以上为标准余压型。如需要高余压机型，请在咨询、订货时注明。

2、“制冷功率”是指在名义工况下机组制冷运行的消耗功率。

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、“外形尺寸”及“重量”仅供参考，本公司保留更改设计的权利，恕不事先通知。
- 1.The above cellular air handling units are standard "residual pressure" ones, if need high residual pressure ones, please consult and let us know when placing the order.

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

3.The relative tech parameters about hot water heating and steam heating are not specified in above table, if need, we can design as non-standard.

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



室内机性能参数(表2)

Performance parameters of indoor plant(Table 2)

性能 Performance			型号 Model	YF(D)45D	YF(D)56D	YF(D)65D	YF(D)85D	YF(D)110D	YF(D)130D
空调机组性能 Performance	制冷量 Cooling capacity	kW		42.9	53.6	62.4	81.2	104.7	124.3
		万kcal/h 10000kcal/h		3.69	4.61	5.37	6.98	9.00	10.69
	能量控制 Power control	%		0/50/100	0/50/100	0/50/100	0/33/66/100	0/33/66/100	0/25/50/75/100
	电加热 Electric heating	kW		24	27	36	36	45	48
	送风量 Air supply flow	m³/h		8500	11000	13000	16000	21000	24000
	机外余压 External residual pressure	Pa		200	250	250	300	400	450
	机组噪音 Noise	dB(A)		69	73	75	75	79	82
	温控范围 Temp control range	℃		18-30℃ ± 2℃					
	使用电源 Power supply			AC 380V 50Hz (三相四线制) AC 380V 50Hz (3 phases 4 wires)					
	制冷功率 Cooling power	kW		16.26	20.58	24.13	31.45	38.27	53.68
室内机 Performance	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		离心式风机 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	电加热 Electric heating		2 × 12	2 × 13.5	2 × 18	2 × 18	2 × 22.5	2 × 24
	外形尺寸 Physical dimension	宽(mm) Width		1800	1950	1950	2190	2430	2750
		高(mm) Height		780	950	1100	1250	1300	1300
		深(mm) Depth		1180	1350	1350	1580	1580	1760
	重量 Weight	kg		230/260	290/335	310/340	380/420	490/540	580/620

- 1、以上为标准余压型。如需要高余压机型，请在咨询、订货时注明。
- 2、“制冷功率”是指在名义工况下机组制冷运行的消耗功率。
- 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、“外形尺寸”及“重量”仅供参考，本公司保留更改设计的权利，恕不事先通知。

- 1.The above cellular air handling units are standard "residual pressure" ones, if need high residual pressure ones, please consult and let us know when placing the order.
- 2."Cooling power" means power consumed under nominal working conditions when cooling.
- 3.The relative tech parameters about hot water heating and steam heating are not specified in above table, if need, we can design as non-standard.
- 4."Physical dimension" and "weight" are only for reference, our company reserves the right of changing and do not notice in advance.



YRF风冷热泵系列

YRF air cooled heat pump series

室内机性能参数(表1)

Performance parameters of indoor plant(Table 1)

型号 Model			YRF6D	YRF10D	YRF14D	YRF22D	YRF28D	YRF34D
性能 Performance								
空调机组性能 Performance	制冷量 Cooling capacity	kW	5.9	9.5	13.4	21.1	26.8	32.5
		万kcal/h 10000kcal/h	0.51	0.82	1.15	1.82	2.31	2.8
	制热量 Heating capacity	kW	6.1	9.7	14.2	22.8	27.9	33.6
		万kcal/h 10000kcal/h	0.49	0.79	1.24	1.96	2.47	
	能量控制 Power control	%	0/100	0/100	0/100	0/100	0/100	0/100
	送风量 Air supply flow	m³/h	1200	1600	2600	4100	5600	6000
	机外余压 External residual pressure	Pa	30	50	50	60	80	100
	机组噪音 Noise	dB(A)	58	56	60	62	62	64
	温控范围 Temp control range	℃	18-30℃±2℃					
	使用电源 Power supply		AC 380V 50Hz (三相四线制) AC 380V 50Hz (3 phases 4 wires)					
室内机 Indoor plant	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	离心式风机 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					
	外形尺寸 Physical dimension	宽(mm) Width	820	900	1050	1280	1580	1580
		高(mm) Height	580	580	630	680	730	780
		深(mm) Depth	850	850	850	950	1050	1050
	重量 Weight	kg	70	85	110	135	160	190

1、以上为标准余压型。如需要高余压机型，请在咨询、订货时注明。

2、“制冷功率”是指在名义工况下机组制冷运行的消耗功率。

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、“外形尺寸”及“重量”仅供参考，本公司保留更改设计的权利，恕不事先通知。

1.The above cellular air handling units are standard “residual pressure” ones, if need high residual pressure ones, please consult and let us know when placing the order.

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

3.The relative tech parameters about hot water heating and steam heating are not specified in above table, if need, we can design as non-standard.

4.“Physical dimension” and “weight” are only for reference, our company reserves the right of changing and do not notice in advance.



室内机性能参数(表2)

Performance parameters of indoor plant(Table 2)

型号 Model			YRF45D	YRF56D	YRF65D	YRF85D	YRF110D	YRF130D
性能 Performance								
空调机组性能 Performance	制冷量 Cooling capacity	kW	42.9	53.6	62.4	81.2	104.7	124.3
		万kcal/h 10000kcal/h	3.69	4.61	5.37	6.98	9.00	10.69
	制热量 Heating capacity	kW	44.3	55.2	64.2	83.4	106.6	127.1
		万kcal/h 10000kcal/h	3.81	4.75	5.52	7.17	9.17	10.93
	能量控制 Power control	%	0/50/100	0/50/100	0/50/100	0/33/66/100	0/33/66/100	0/25/50/75/100
	送风量 Air supply flow	m³/h	8500	11000	13000	16000	21000	24000
	机外余压 External residual pressure	Pa	200	250	250	300	400	450
	机组噪音 Noise	dB(A)	69	73	75	75	79	82
	温控范围 Temp control range	℃	18-30℃ ± 2℃					
	使用电源 Power supply		AC 380V 50Hz (三相四线制) AC 380V 50Hz (3 phases 4 wires)					
	制冷功率 Cooling power	kW	16.26	20.58	24.13	31.45	38.27	53.68
室内机 Indoor plant	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	离心式风机 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					
	外形尺寸 Physical dimension	宽(mm) Width	1800	1950	1950	2190	2430	2750
		高(mm) Height	780	950	1100	1250	1300	1300
		深(mm) Depth	1180	1350	1350	1580	1580	1760
	重量 Weight	kg	230	290	310	380	490	580

- 1、以上为标准余压型。如需要高余压机型，请在咨询、订货时注明。
- 2、“制冷功率”是指在名义工况下机组制冷运行的消耗功率。
- 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、“外形尺寸”及“重量”仅供参考，本公司保留更改设计的权利，恕不事先通知。

- 1.The above cellular air handling units are standard "residual pressure" ones, if need high residual pressure ones, please consult and let us know when placing the order.
- 2."Cooling power" means power consumed under nominal working conditions when cooling.
- 3.The relative tech parameters about hot water heating and steam heating are not specified in above table, if need, we can design as non-standard.
- 4."Physical dimension" and "weight" are only for reference, our company reserves the right of changing and do not notice in advance.

室外机性能参数

Performance parameters of outdoor plant

单冷型

cooling only

型号 Model		SW-2.5-WD	SW-3.5-WD	SW-5-WD	SW-8-WD	SW-10-WD	SW-12-WD
性能 Performance	压缩机 Compressor	全封闭涡旋压缩机 Fully closed scroll compressor					
	台数 Quantity	1					
冷凝器 Condenser	类型 Type	铜管胀铝翅片 Copper pipe passing through aluminium fin					
	数量 Quantity	轴流式 Axial					
冷凝风机 Condensate fan	风量 m³/h Air flow	4500	5400	7600	10600	13500	13500
	功率 kW Power	0.25	0.25	0.37	0.55	0.75	0.75
机组重量 Weight	kg	95	115	120	160	210	210
外形尺寸 Physical dimension	长(mm) Length	930	930	1130	1130	1160	1560
	宽(mm) Width	780	780	780	940	970	970
	高(mm) Height	725	1050	1050	1050	1050	1050
连接铜管（焊接） Connection copper pipe(Welded)	供液铜管 Liquid feeding copper pipe	Φ9×0.75	Φ9×0.75	Φ9×0.75	Φ12×1	Φ16×1	Φ16×1
	回汽铜管 Gas return copper pipe	Φ19×1	Φ22×1	Φ22×1	Φ22×1	Φ22×1	Φ22×1

- 1、“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。

2、“机组重量”仅供参考。
- 1."Physical dimension" is only for reference, our company reserves the right of changing and do not notice in advance.

2."Weight" is only for reference.

室内外机配套数量表

Mating quantity table of indoor and outdoor plants

表1

Table 1

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
室内机型号 Indoor plant model						
YF (D) 6D	1*					
YF (D) 10D		1*				
YF (D) 14D	2		1*			
YF (D) 22D		2		1*		
YF (D) 28D			2		1*	
YF (D) 34D			2			1*
YF (D) 45D			3	2*		
YF (D) 56D			4		2*	
YF (D) 65D				3		2*
YF (D) 85D				4	3*	
YF (D) 110D					4	3*
YF (D) 130D						4*

- 1、带“*”室外机组，为标准配置。

2、根据用户实际需要，也可进行其它组合。
- 1.The configuration of the outdoor plant marked with "*" is standard.

2.Other type combinations are available according to real needs.



室外机性能参数

Performance parameters of outdoor plant

热泵型 heat pump type

型号 Model		SW-2.5-WR	SW-3.5-WR	SW-5-WR	SW-8-WR	SW-10-WR	SW-12-WR
性能 Performance	压缩机 Compressor	全封闭涡旋压缩机 Fully closed scroll compressor					
	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					
冷凝风机 Condensate fan	风量 m³/h Air flow	4500	5400	7600	10600	13500	13500
	功率 kW Power	0.25	0.25	0.37	0.55	0.75	0.75
机组重量 Weight	kg	105.0	130.0	140.0	185.0	240.0	250.0
外形尺寸 Physical dimension	长(mm) Length	930	930	1130	1130	1160	1560
	宽(mm) Width	780	780	780	940	970	970
	高(mm) Height	725	1050	1050	1050	1050	1050
连接铜管（焊接） Connection copper pipe(Welded)	供液铜管 Liquid feeding copper pipe	Φ9×0.75	Φ9×0.75	Φ9×0.75	Φ12×1	Φ16×1	Φ16×1
	回汽铜管 Gas return copper pipe	Φ19×1	Φ22×1	Φ22×1	Φ22×1	Φ22×1	Φ22×1

- “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。
- “机组重量”仅供参考。

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

室内外机配套数量表

Mating quantity table of indoor and outdoor plants

表2
Table 2

室外机型号 Outdoor plant model	SW-2.5-WR	SW-3.5-WR	SW-5-WR	SW-8-WR	SW-10-WR	SW-12-WR
室内机型号 Indoor plant model						
YRF6D	1*					
YRF10D		1*				
YRF14D	2		1*			
YRF22D		2		1*		
YRF28D			2		1*	
YRF34D			2			1*
YRF45D			3	2*		
YRF56D			4		2*	
YRF65D				3		2*
YRF85D				4	3*	
YRF110D					4*	3
YRF130D						4*

- 带“*”室外机组，为标准配置。
- 根据用户实际需要，也可进行其它组合。

- The configuration of the outdoor plant marked with "*" is standard.
- Other type combinations are available according to real needs.





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

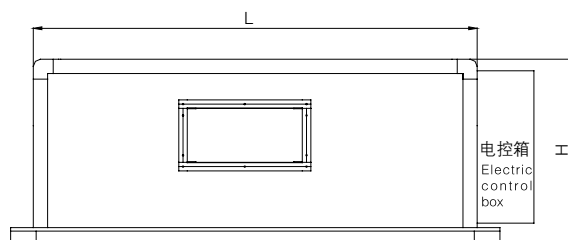
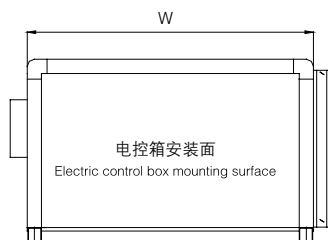
风冷冷（热）水机组
Air-cooled cold/hot water chiller

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

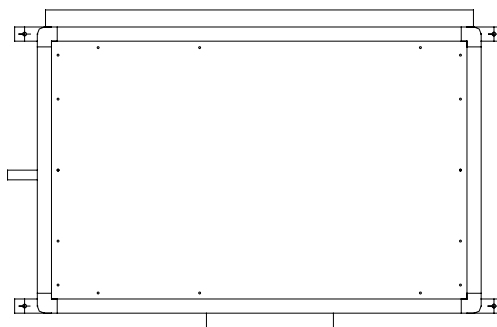
低环境温度空
Low ambient temperature

外形尺寸图 Physical dimension

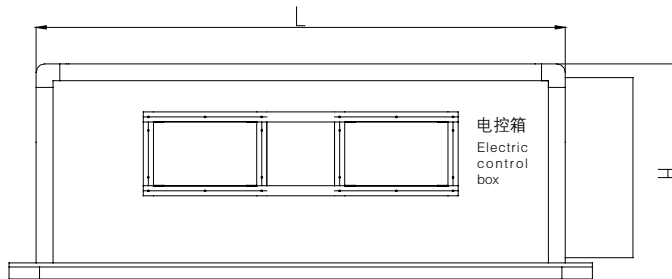
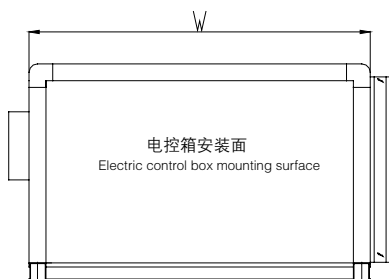
室内机 Indoor plant



	YF(D)6D YRF6D	YF(D)10D YRF10D	YF(D)14D YRF14D
L	1060	1180	1310
H	560	560	610
W	850	850	850

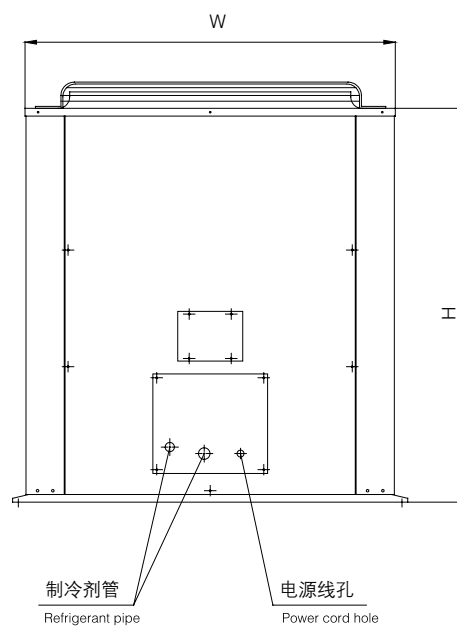
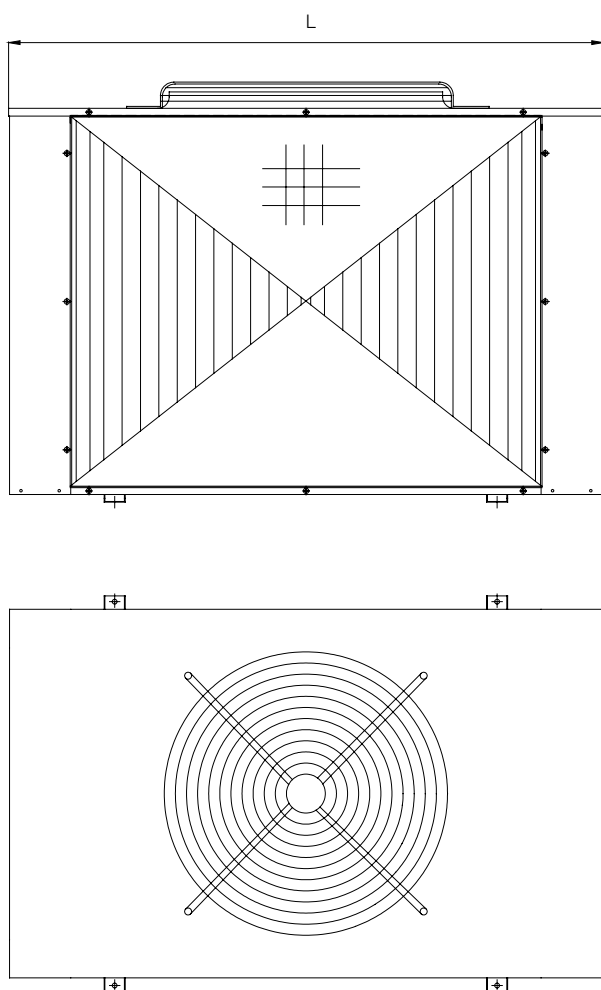


室内机 Indoor plant



	YF(D)22D YRF22D	YF(D)28D YRF28D	YF(D)34D YRF34D	YF(D)45D YRF45D	YF(D)56D YRF56D	YF(D)65D YRF65D	YF(D)85D YRF85D	YF(D)110D YRF110D	YF(D)130D YRF130D
L	1280	1580	1580	1800	1950	1950	2190	2430	2750
H	680	730	780	780	950	1100	1250	1300	1300
W	950	1050	1050	1180	1350	1350	1580	1580	1760

室外机 Outdoor plant



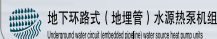
	SW-2.5-WD SW-2.5-WR	SW-3.5-WD SW-3.5-SR	SW-5-WD SW-5-SR	SW-8-WD SW-8-SR	SW-10-WD SW-10-SR	SW-12-WD SW-12-WR
L	930	930	1130	1130	1160	1560
H	780	780	780	940	970	970
W	725	1050	1050	1050	1050	1050



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 (pilot holes) 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 chiller



低环境温度空
Low ambient temperature

选型指南

How to select model

- 性能参数表提供了空调机组的“名义工况”制冷量，若使用环境与“名义工况”不一致，选型时请进行合理修正。
- 性能参数表提供的风压值，均为空调机的“机外余压”，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“机外余压”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，请进行技术咨询，可非标设计。
- 空调机组室外机与室内机的制冷剂连接管道长度，标准机型不能超出一下范围：
 - ※ 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 $\leq 12\text{m}$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，请定货前进行技术咨询，可非标设计。
- 空调机组采用“线控墙面安装型”操作器，与吊顶室内机的连接配线6米。如需加长配线，请在咨询、订货时注明。
- 样本为标准产品，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。
 - ※ 风冷冷风型：标准机型正常制冷运行的室外环境温度为：18-43℃。
 - ※ 风冷热泵型：标准机型正常制冷、热运行的室外环境温度为
 - ①制冷运行18-43℃ ②制热运行-7-21℃。如在超出以上条件下制冷（热）运行时，需非标设计，请在咨询、订货时注明。
- 样本标准产品使用的制冷剂均为R407c、R410A的制冷剂性能参数，如需要其余冷媒机组请在咨询、订货时注明。

- The performance parameter tables have offered the cooling capacities under "nominal working conditions", if the real engineering condition is different with "nominal engineering condition", please correct them when selecting model.
- The air pressure values specified in performance parameter tables all are "external residual pressure", the air supply system shall match with resistances of air supply and return ducts. When selecting model, correct the "external residual pressure" values according to reality. The standard air handling units are only equipped with "two layers of nylon screen", if air cleaning is necessary, please consult and we can design as non-standard air handling unit.
- As for the refrigerant connection pipe length between indoor and outdoor plants, the standard one shall be:
 - ※ If compressor is less than 10HP: Height difference is $\leq 5\text{m}$, total length is $\leq 12\text{m}$
 - ※ If compressor is more than 10HP: Height difference is $\leq 8\text{m}$, 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.
- Equipped with "line control wall mounted type" manipulator, the wire length connecting with suspension indoor plant is 6m. If need increasing the wire length, please consult and remark when placing the order.
- The air handling units specified in this catalogue are standard ones, designed and produced according to current national standard of GB/T 17758-2023 "cellular air handling unit".
 - ※ Air cooled cold-blast type: The outdoor environment temperatures when standard air handling units normal cooling are: 18-43℃.
 - ※ Air cooled heat pump type: The outdoor environment temperatures when standard air handling units normal cooling and heating are:
 - ① Cooling: 18-43℃ ② Heating: -7-21℃If overrun above conditions when running for cooling/heating, we can design as non-standard. Please consult and remark when placing order.
- 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.



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

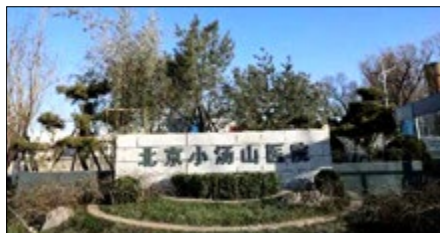
continue to produce more products with high quality

We will nourish and set up a steadfast client group

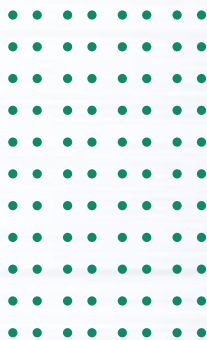
to realise the stable and steadfast expansion of the sales net

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样本名称：单元式空气调节机-吊顶式-冷热风型 样本序号：SDYT-YB-A12 印刷时间：2026年8月 开本：1194-889竖16开



www.yatai.cc



地址：德州市大学东路
电话：(0534) 2551888 传真：(0534) 2551887
电子信箱：yatai@yatai.cc
Add: East of University Road, Dezhou City
Tel: (0534) 2551888 Fax: (0534) 2551887
Http://www.yatai.cc E-mail: yatai@yatai.cc

亚太集团各办事处联系方式：How to contact the branches of Yatai Group:

北京办事处 电话：(010)51908328 传真：(010)51908329 Beijing Office Tel: (010)50918328 Fax: (010)50918329	天津办事处 电话：(022)28350313 传真：(022)28350323 Tianjin Office Tel: (022)28350313 Fax: (022)28350323	山西办事处 电话：(0351)3377255 传真：(0351)3377256 Shanxi Office Tel: (0351)3377255 Fax: (0351)3377256	陕西办事处 电话：(029)87998107 传真：(029)87998105 Shanxi Office Tel: (029)87998107 Fax: (029)87998105	内蒙古办事处 电话：(0471)6914102 传真：(0471)6914103 Neimenggu Office Tel: (0471)6914102 Fax: (0471)6914103	河南办事处 电话：(0371)66205099 传真：(0371)66205228 Henan office Tel: (0371)66205099 Fax: (0371)66205228	辽宁办事处 电话：(024)31963712 传真：(024)31963711 Liaoning Office Tel: (024)31963712 Fax: (024)31963711
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