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A6

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First got the refrigeration equipment
production permit issued by National Quality Testing Bureau

Rooftop Air Conditioning Unit

屋顶式空气调节机组



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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.

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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、OHSAS18001、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, OHSAS18001, 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



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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

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Honorable Qualification



CHILLERS

制冷机组系列

Rooftop Air Conditioning Unit

屋顶式空气调节机组

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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 pipes)



单元式空气调节机-
Unitary Air Handling Unit—Constant Temperature

ROOFTOP AIR CONDITIONING UNIT

屋顶式空气调节机组



产品简介

Profile

“亚太”牌YWK系列屋顶式空气调节机组，是直接处理空调区域空气的大中型分体式空调设备，根据实际需要可将送风、制冷、加热、加湿、空气净化等功能融合为一体，即由各个不同的功能段组合而成；而压缩机、冷凝器、冷凝风机及电控箱置于室外机中。两部分机组既可安装在同一屋面，也可分开安装在不同区域，根据工程施工要求，安装很灵活。

该类机组分为恒温恒湿型、冷热风型两大类。可按用户需求增加过滤、消声等各种功能段。该型设备实际上是一种自带冷源的组合式空气处理系统。

该产品应用非常广泛，例如冶金、化工、机械、电力、制药、食品、医院、商场、餐厅、办公等各种行业，是各专业设计院不可缺少的一种可供选型的空调暖通产品。

“Yatai” brand YWK series rooftop air conditioning unit is a large and medium sized split type air handling equipment which can handle air in the air conditioned area. Air supply, refrigeration, heating, humidification, purification and other functions can be integrated according to the actual needs. The compressor, condenser, condensing fan, and electric control box are placed in the outdoor unit. Inside unit and outside unit can be mounted on the same rooftop or at different areas according to the construction requirement, which is very flexible. This kind of unit is divided into two types, that is, constant temperature and humidity type and cooling heating type. It can be equipped with all kinds of functional sections such as air filtering, noise reducing and so on. It is actually a kind of combined air handling unit with self-contained cold source.

This kind of unit is divided into two types: constant temperature and humidity type and hot/cold air type. It can be equipped with many kinds of functional sections such as air filtering, noise reducing and so on. It is actually a kind of combined air handling unit with self-contained cold source.

It is widely used in metallurgy, chemical, mechanical, electrical, pharmaceutical, food, hospitals, shopping malls, restaurants, offices and other industries. It is indispensable HVAC equipment for the professional design institutes.

产品特点

Features

屋顶式空气调节机组是近年行业里开发的一种多功能产品，而且使用的领域非常广泛，通过大量用户的使用，其很多优势也逐步显现出来。德州亚太集团有限公司投入大量的人力、物力进行设计研发，并结合该产品的特点，增加了相应的生产设备和工装模具，已具备产生制冷量从25.0-520.0kW、风量从5500-90000m³/h的能力。该机组选用国际知名品牌的的关键部件，并自主开发了适合多种不同环境的控制程序，使设备的运行更安全、稳定、可靠。

该类产品共计有3大类、100种型号，供用户选择的范围很大，完全可以满足不同用户的使用及各设计院的设计选型要求。

其中：制冷量为25.0-150.0kW，压缩机为全封闭涡旋式。制冷量为150.0-520.0kW，压缩机为半封闭螺杆式。

用户若根据工程不同的需要，增加消声段、回风机段、排风段、中间段等各功能段，均可满足要求。

本产品执行标准：GB/T 20738-2018《屋顶式空气调节机组》。

1、功能齐全

屋顶式空气调节机组的开发，结合了组合式空气处理机特点，通过不同功能段的组合，可以实现多种要求的空调环境。该产品采用国际知名品牌的电脑控制器控制，并配备高清晰显示操作屏，菜单式管理、全中文显示，控制功能非常强大，而且具有完善的保护措施，在各种情况下，对设备的运行均能及时的提供状态显示、故障保存报警等功能。同时可配合工程施工要求，提供风阀的多种控制（开关量、模拟量控制）、送风电机的变频控制等。

2、高效节能

与传统的“冷水机组+末端空气处理系统”相比，屋顶式空气调节机组结构紧凑，不需要独立的机房、冷却设施、循环水泵等系统，设备综合系统能效比得到了很大提高，节约了大量的资金和能源。只需要提供屋面就可以使机组就位，安装好送回风管、接好供电电源，就可以调试设备，为工程施工带来了极大的便利，而且施工工期大大缩短。

3、管理方便

由于该设备结构简单、紧凑，因此日常的管理维护比传统的“冷水机组+末端空气处理系统”简单的多，可节约大量的人力、物力。

The rooftop air conditioning unit is a multi-functional air conditioner developed recently and used extensively. More and more customers find its advantages by operating it. Dezhou Yatai Group invested a lot of manpower and material in R&D such as buying relative production equipment, tools and dies. Now Yatai is able to manufacture air conditioning units of 25.0-520.0kW in cooling capacity, 5,500-90,000m³/h in air flow rate. This unit adopts internationally famous brand components and self-developed control program to suit different environments, thus making the unit run safely, smoothly and reliably.

This kind of product has 3 classes totaling 100 models to be selected, which can meet all the needs from different levels of customers and design institutes.

Among them: When the cooling capacity is 25.0-150.0kW, the compressor adopts fully-enclosed scroll type. When the cooling capacity is 150.0-520.0kW, the compressor adopts semi-enclosed screw type.

According to the project requirement, all kinds of functional sections are available such as sound reduction, air return fan, air exhaust, and middle section.

Carried-out standard for this unit: GB/T 20738-2018 Rooftop Air Conditioning Unit.

1. Multi-functions

The rooftop air conditioning unit, learning from the advantages of combined air handling unit, can meet the requirement for many air conditioning environments by combining different functional sections. It is equipped with world famous PLC, high-definition operation screen with menu management and Chinese language display, having powerful control function and perfect protection measures, which can timely provide the operation status display, fault saving alarm, etc. It is able to provide different control methods for dampers (switching or analog) and frequency control for air supply fan according to project requirements.

2. High efficiency and energy conservation

Compared with the traditional "water chiller + air handling terminal system", the compact rooftop type unit doesn't need an independent chiller room, cooling facilities or circulation pump system, thus enhancing its COP, saving plenty of money and energy. Once we mount the unit on the roof, install air supply and return ducts and power supply, it can be commissioned immediately, bringing great convenience to the construction and shorten the construction schedule greatly.

3. Easy management

Simple and compact structure enables the daily maintenance much simpler than that of "water chiller + air handling terminal system", thus saving lots of manpower and resources.

型号命名

Nomenclature

屋顶式空气调节机组

Rooftop air conditioning unit



用途：T-通用型，J-净化型

Application: T-Universal type, J-Air cleaning

制冷量：数字 × 10³W

Cooling capacity: Digit × 10³W

功能：HF-恒温恒湿型、LRF-冷热风型、LFD-冷风电热型、LFS-冷风热水加热型、LFQ-冷风蒸汽加热型
Function: HF-Constant temperature and humidity, LRF-Cooling heating type, LFD-Cooling electric-heating type, LFS-Cooling hot-water-heating type, LFQ-Cooling steam-heating type

类型：WK-屋顶式空气调节机组

Type: WK-Rooftop type

系列：Y-亚太产品系列

Series: Y-Yatai series



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)

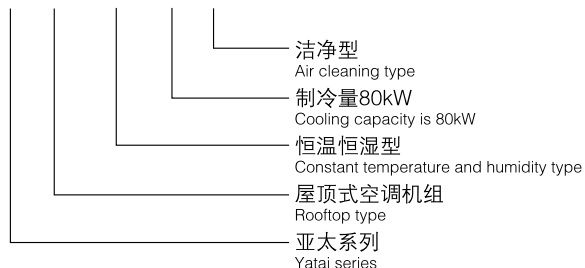


单元式空气调节机-恒湿型
Unitary Air Handling Unit—Constant Temperature and Humidity Type

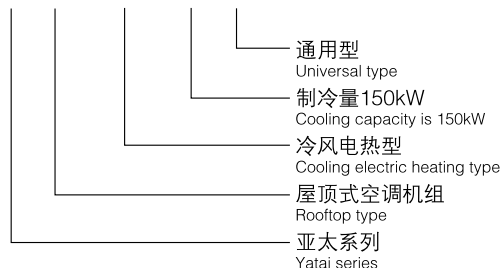
例:

For example:

Y WK HF 80 J



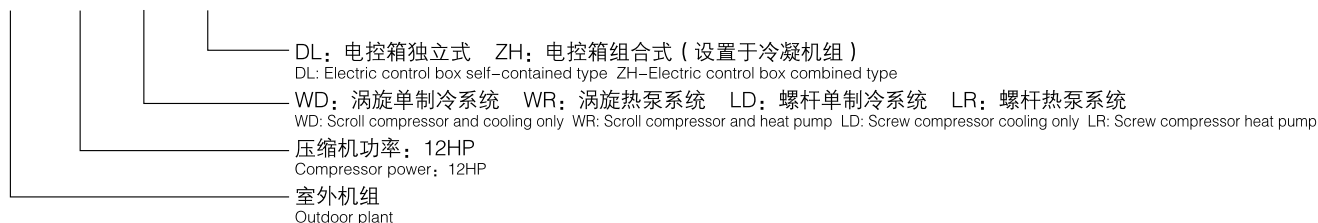
Y WK LFD 150 T



室外冷凝机组

Outdoor condensing unit

SW 12 WD DL



制冷量测定条件

Cooling capacity measurement condition

※ 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℃

※ Dry-bulb temperature at evaporator inlet is 27℃; wet-bulb 19℃

※ Dry-bulb temperature at condenser inlet is 35℃; wet-bulb 24℃

功能段说明

Functional section description

样本提供的屋顶式空气调节机组外形尺寸, 均为只能满足基本功能使用要求, 如需增加其它功能段, 请提前进行技术咨询。

Rooftop air conditioning unit physical dimensions listed in this catalogue are standard ones which only have primary functions, if adding other functional sections, please consult in advance.

净化过滤效率阻力说明

Illustration of purification and filtration efficiency resistance

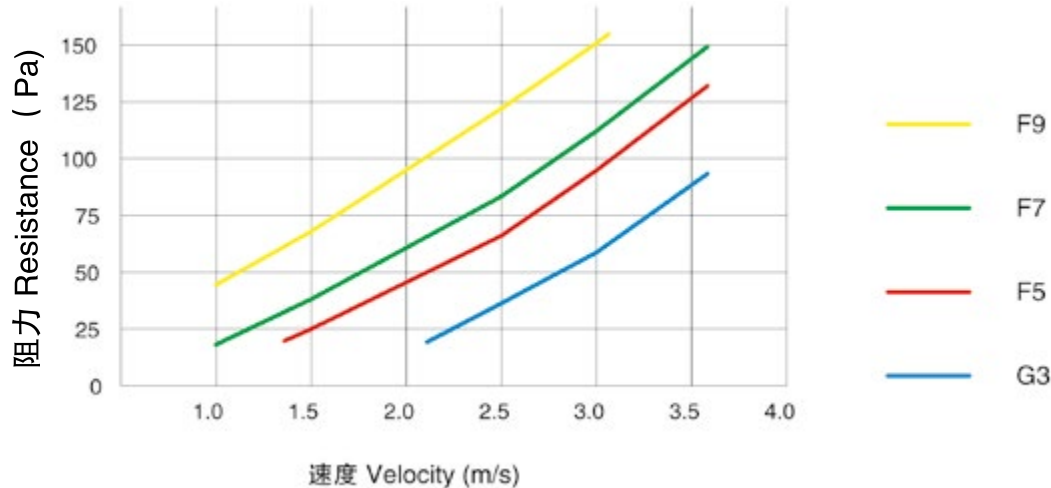
中国、欧洲、美国效率规格对照表

Classification of efficiency in China, Europe and America

中国 GB/T14295 China GB/T14295		初效≥5 μm 80% > 效率≥20% Coarse≥5 μm 80% > Efficiency≥20%			中效≥1 μm 70% > 效率≥20% Medium≥1 μm 70% > Efficiency≥20%			高中效≥1 μm 99% > 效率≥70% High-medium≥1 μm 99% > Efficiency≥70%			亚高效≥0.5 μm 99.9% > 效率≥95% Sub-HEPA≥0.5 μm 99.9% > Efficiency≥95%			高效≥5 μm 效率 > 99.99% HEPA≥5 μm Efficiency > 99.99%				
美国 US proposal		L5	L6	L7	L8	M9	M10	M11	M12	M13	M14	H12-H15		H16		H17-H20		
欧洲 CEN EN	新标准 EN779 New Eurovent EN779	G3 80%~90%		G4 > 90%		F5 40%		F6 60%		F7 80%	F8 90%	F9 85%	H10 95%	H11 99%	H12 99.9%	H13 99.95%	H14 99.98%	H15 99.99%
	旧规格 Old Eurovent	EU3		EU4		EU5		EU6		EU7	EU8	EU9	EU10		EU11	EU12	EU13	EU14

V-P过滤器空气阻力图

V-P air resistance graph of filters



段间阻力

Intersegmental resistances

功能段 Functional segment	分类 Classification	阻力 Resistance (Pa)
初效板式过滤 Filter panels	G3	50
初效袋式过滤 Coarse bag filters	G4	70
中效袋式过滤 Medium bag filters	F6	120
亚高效过滤段 Sub-HEPA filtering segment	F9	200
表冷层 Surface cooler segment	4排rows	120
	6排rows	280
	8排rows	220
挡水段 Eliminator segment		50

功能段 Functional segment	分类 Classification	阻力 Resistance (Pa)
蒸汽加热段 Steam heating segment	1排row	40
	2排rows	60
能量回收段 Heat recovery segment	转轮式Wheel type	170
均流段 Flow equalization segment		30
消声段 Muffler segment	微穿孔 Micropunch	30
中间段 Access segment		10
混合段 Mixed air segment		20
送风段 Air-supply segment		10

左右式说明

Explanation about left type and right type

面对屋顶式空气调节机组回风端，沿空气处理方向看：制冷剂接管在机组右侧，即为右式；反之则为左式。样本标准机型均为右式，如根据现场施工条件需要，也可设计成左式，请在咨询、订货时注明。

When you stand by facing the air return end and look along the air handling way, if the refrigerant connection pipe on the right side of the unit, it is right type. Otherwise it is left type. All the standard units listed in this catalogue are right type. The left type is also available according to the site requirement. Please consult and remark when placing your order in advance.

特殊环境条件

Special environment conditions

国家标准GB/T 20738-2018《屋顶式空气调节机组》，对产品制冷（热）运行的室外环境温度进行了规定，具体为：制冷运行：18-43℃ 制热运行：-7-21℃。如超出以上范围，其性能参数和外形尺寸未列入本样本，如有需要请进行技术咨询，可提供非标设计。

The outdoor environment temperatures when cooling/heating have been specified in the national standards of GB/T 20738-2018 Rooftop Air Conditioning Unit. It specifies that air conditioning unit cool normally within 18-43℃, and heat normally within -7-21℃. Parameters and physical dimensions of those units whose outdoor operation temp.beyond these ranges are not specified in this catalogue. We can design non-standard air conditioner for you.

屋顶式空气调节机组性能参数

Performance parameters of the rooftop air conditioning unit

YWKHF系列（表1）

YWKHF series (Table 1)

型号 Model		YWKHF25T	YWKHF30T	YWKHF42T	YWKHF52T	YWKHF62T
性能 Performance						
制冷量 Cooling capacity	kW	24.5	29.4	41.6	52.3	62.5
	10 ⁴ kcal/h	2.1	2.5	3.6	4.5	5.4
制热量 Heating capacity	kW	12.0	13.5	18.0	24.0	27.0
	10 ⁴ kcal/h	1.0	1.2	1.6	2.1	2.3
加湿量 Humidifying capacity	kg/h	4.0		8.0		
送风量 Air supply flow	m ³ /h	5500	6500	8500	10000	12000
机外静压 External static pressure	Pa	200	300	300	350	350
温度范围 Temp range	℃	18-28℃±1℃				
湿度范围 Humidity range	%	50-70%±5-10%				
使用电源 Power supply		三相/380V/ 50Hz（三相四线制） 3 phases/380V/50Hz(3 phases 4 wires)				
制冷功率 Cooling power	kW	9.9	12.4	17.6	21.1	24.5
机组噪声 Noise	dB(A)	72	73	76	77	78
制冷剂 Refrigerant	使用工质 Refrigerant	R-22				
	节流形式 Throttling	外平衡式热力膨胀阀 External-balance type thermal expansion valve				
蒸发器 Evaporator	类型 Type	铜管套铝翅片 Copper pipe passing through aluminium fin				
送风机 Air supply fan	类型 Type	双进风离心式 Two-intakes centrifugal fan				
	电机 kW Motor	1.5	1.8	3.0	4.0	5.5
加热形式 Heating type		电热器加热 Electric heater heating				
加湿形式 Humidifying type		电极式加湿 Electrode type humidifying				
过滤形式 Air filter		双层尼龙网 Two plies nylon screen				
外形尺寸 Physical dimension	长 (mm) Length	3450		3700	4150	
	宽 (mm) Width	1126		1236	1476	
	高 (mm) Height	1180		1280	1450	
制冷剂连接管 Refrigerant connection pipe	供液管 Liquid feeding pipe	1-Φ16×1.0	1-Φ16×1.0	2-Φ12×0.8	2-Φ16×1.0	2-Φ16×1.0
	回气管 Gas return pipe	1-Φ28×1.5	1-Φ35×1.5	2-Φ28×1.5	2-Φ28×1.5	2-Φ35×1.5
重量 (约) Weight (about)	kg	450	520	650	780	930

1、样本中的性能参数，均是在“名义工况”条件下测定的。

2、标准机型的送、回风方式，均为水平方式，风口配套法兰。如需其它送回风方式，请及时进行咨询。

3、“外形尺寸”均为“净化型”产品，标准机型配套“G3板式+F5袋式”。只含有满足基本要求的功能段，如需要增加其它功能，请及时进行咨询。

4、标准机型提供了电热器加热、电极式加湿的性能参数，如需要其它加热、加湿方式，请及时进行咨询。

5、“外形尺寸”、“重量”仅供参考，公司保留更改设计的权利，恕不事先通知。

1.The performance parameters listed in this catalogue are all measured at the "nominal working conditions".

2.The air supply and return ways of the standard type air conditioning unit are all horizontal, air grills is supported with flange. If need other air supply and return ways, please consult in time.

3.The "physical dimensions" are all the "air cleaning" types', the standard type is equipped with "G3 panel filter + F5 bag filter". Only equipped with primary functional sections, if adding other functional sections, please consult in time.

4.The performance parameters of electric heating and electrode humidifying of the standard type are listed on the above table, if need other types of heating and humidifying, please consult in time.

5."Physical dimension" and "weight" are only for reference. Our company reserves the right of changing designs without prior notice.

YWKHF系列 (表2)

YWKHF series (Table 2)

型号 Model		YWKHF80T	YWKHF100T	YWKHF120T	YWKHF140T	YWKHF160T
性能 Performance						
制冷量 Cooling capacity	kW	79.6	99.5	120.6	138.4	157.8
	10 ⁴ kcal/h	6.9	8.6	10.4	11.9	13.6
制热量 Heating capacity	kW	30.0	36.0	48.0	54.0	60.0
	10 ⁴ kcal/h	2.6	3.1	4.1	4.6	5.2
加湿量 Humidifying capacity	kg/h	15.0		23.0		32.0
送风量 Air supply flow	m ³ /h	15000	18000	20000	25000	28000
机外静压 External static pressure	Pa	400	400	500	500	600
温度范围 Temp range	℃	18-28℃±1℃				
湿度范围 Humidity range	%	50-70%±5-10%				
使用电源 Power supply		三相/380V/50Hz (三相四线制) 3 phases/380V/50Hz(3 phases 4 wires)				
制冷功率 Cooling power	kW	31.5	39.6	48.4	55.8	65.2
机组噪声 Noise	dB(A)	78	78	79	80	81
制冷剂 Refrigerant	使用工质 Refrigerant	R-22				
	节流形式 Throttling	外平衡式热力膨胀阀 External-balance type thermal expansion valve				
蒸发器 Evaporator	类型 Type	铜管套铝翅片 Copper pipe passing through aluminium fin				
送风机 Air supply fan	类型 Type	双进风离心式 Two-intakes centrifugal fan				
	电机 kW Motor	5.5	5.5	7.5	11.0	11.0
加热形式 Heating type		电热器加热 Electric heater heating				
加湿形式 Humidifying type		电极式加湿 Electrode type humidifying				
过滤形式 Air filter		双层尼龙网 Two plies nylon screen				
外形尺寸 Physical dimension	长 (mm) Length	5330	5330	5580	5580	5580
	宽 (mm) Width	1776	1956	1956	2036	2216
	高 (mm) Height	1680	2000	2000	2000	2200
制冷剂连接管 Refrigerant connection pipe	供液管 Liquid feeding pipe	参见配套表 See the corresponding table				
	回气管 Gas return pipe	参见配套表 See the corresponding table				
重量 (约) Weight (about)	kg	1100	1320	1400	1600	1750

- 1、样本中的性能参数，均是在“名义工况”条件下测定的。
- 2、标准机型的送、回风方式，均为水平方式，风口配套法兰。如需其它送回风方式，请及时进行咨询。
- 3、“外形尺寸”均为“净化型”产品，标准机型配套“G3板式+F5袋式”。只含有满足基本要求的功能段，如需要增加其它功能，请及时进行咨询。
- 4、标准机型提供了电热器加热、电极式加湿的性能参数，如需要其它加热、加湿方式，请及时进行咨询。
- 5、“外形尺寸”、“重量”仅供参考，公司保留更改设计的权利，恕不事先通知。

- 1.The performance parameters listed in this catalogue are all measured at the "nominal working conditions".
- 2.The air supply and return ways of the standard type air conditioning unit are all horizontal, air grills is supported with flange. If need other air supply and return ways, please consult in time.
- 3.The "physical dimensions" are all the "air cleaning" types, the standard type is equipped with "G3 panel filter + F5 bag filter". Only equipped with primary functional sections, if adding other functional sections, please consult in time.
- 4.The performance parameters of electric heating and electrode humidifying of the standard type are listed on the above table, if need other types of heating and humidifying, please consult in time.
- 5."Physical dimension" and "weight" are only for reference. Our company reserves the right of changing designs without prior notice.

YWKHF系列（表3）
YWKHF series (Table 3)

型号 Model		YWKHF180T	YWKHF200T	YWKHF250T	YWKHF300T	YWKHF350T
性能 Performance	制冷量 Cooling capacity	176.8	197.6	247.2	294.4	344.1
	kW	15.2	17.0	21.3	25.3	29.6
制热量 Heating capacity	10 ³ kcal/h	72.0	84.0	96.0	108.0	120.0
	10 ³ kcal/h	6.2	7.2	8.3	9.3	10.3
加湿量 Humidifying capacity	kg/h	32.0		45.0		64.0
送风量 Air supply flow	m ³ /h	30000	35000	43000	52000	60000
机外静压 External static pressure	Pa	600				
温度范围 Temp range	℃	18-28℃±1℃				
湿度范围 Humidity range	%	50-70%±5-10%				
使用电源 Power supply		三相/380V/ 50Hz（三相四线制） 3 phases/380V/50Hz(3 phases 4 wires)				
制冷功率 Cooling power	kW	72.3	75.9	94.6	112.8	130.7
机组噪声 Noise	dB(A)	81	82	83	85	85
制冷剂 Refrigerant	使用工质 Refrigerant	R-22				
	节流形式 Throttling	外平衡式热力膨胀阀 External-balance type thermal expansion valve				
蒸发器 Evaporator	类型 Type	铜管套铝翅片 Copper pipe passing through aluminium fin				
送风机 Air supply fan	类型 Type	双进风离心式 Two-intakes centrifugal fan				
	电机 kW Motor	15.0	15.0	18.5	22.0	30.0
加热形式 Heating type		电热器加热 Electric heater heating				
加湿形式 Humidifying type		电极式加湿 Electrode type humidifying				
过滤形式 Air filter		双层尼龙网 Two plies nylon screen				
外形尺寸 Physical dimension	长（mm）Length	6210	6210	6550	6590	6950
	宽（mm）Width	2216	2316	2456	2716	2956
	高（mm）Height	2300	2300	2460	2460	2510
制冷剂连接管 Refrigerant connection pipe	供液管 Liquid feeding pipe	1-Φ28×1.5	1-Φ35×1.5	1-Φ35×1.5	1-Φ35×1.5	2-Φ28×1.5
	回气管 Gas return pipe	1-Φ67×2.0	1-Φ80×2.5	1-Φ80×2.5	1-Φ80×2.5	2-Φ67×2.0
重量（约）Weight (about)	kg	2200	2350	2800	3250	3680

1、样本中的性能参数，均是在“名义工况”条件下测定的。

2、标准机型的送、回风方式，均为水平方式，风口配套法兰。如需其它送回风方式，请及时进行咨询。

3、“外形尺寸”均为“净化型”产品，标准机型配套“G3板式+F5袋式”。只含有满足基本要求的功能段，如需要增加其它功能，请及时进行咨询。

4、标准机型提供了电热器加热、电极式加湿的性能参数，如需要其它加热、加湿方式，请及时进行咨询。

5、“外形尺寸”、“重量”仅供参考，公司保留更改设计的权利，恕不事先通知。

1.The performance parameters listed in this catalogue are all measured at the "nominal working conditions".

2.The air supply and return ways of the standard type air conditioning unit are all horizontal, air grills is supported with flange. If need other air supply and return ways, please consult in time.

3.The "physical dimensions" are all the "air cleaning" types, the standard type is equipped with "G3 panel filter + F5 bag filter". Only equipped with primary functional sections, if adding other functional sections, please consult in time.

4.The performance parameters of electric heating and electrode humidifying of the standard type are listed on the above table, if need other types of heating and humidifying, please consult in time.

5."Physical dimension" and "weight" are only for reference. Our company reserves the right of changing designs without prior notice.

YWKHF系列 (表4)

YWKHF series (Table 4)

型号 Model		YWKHF380T	YWKHF400T	YWKHF420T	YWKHF450T	YWKHF500T
性能 Performance						
制冷量 Cooling capacity	kW	373.6	392.8	409.7	442.2	497.4
	10 ⁴ kcal/h	32.1	33.8	35.2	38.0	42.8
制热量 Heating capacity	kW	120.0	144.0	144.0	156.0	156.0
	10 ⁴ kcal/h	10.3	12.4	12.4	13.4	13.4
加湿量 Humidifying capacity	kg/h	64.0		90.0		
送风量 Air supply flow	m ³ /h	65000	68000	73000	78000	85000
机外静压 External static pressure	Pa	600		700		
温度范围 Temp range	℃	18-28℃ ± 1℃				
湿度范围 Humidity range	%	50-70% ± 5-10%				
使用电源 Power supply		三相/380V/ 50Hz (三相四线制) 3 phases/380V/50Hz(3 phases 4 wires)				
制冷功率 Cooling power	kW	144.3	150.5	151.9	173.4	187.8
机组噪声 Noise	dB(A)	84	85	86	87	89
制冷剂 Refrigerant	使用工质 Refrigerant	R-22				
	节流形式 Throttling	外平衡式热力膨胀阀 External-balance type thermal expansion valve				
蒸发器 Evaporator	类型 Type	铜管套铝翅片 Copper pipe passing through aluminium fin				
送风机 Air supply fan	类型 Type	双进风离心式 Two-intakes centrifugal fan				
	电机 kW Motor	30.0	30.0	30.0	37.0	37.0
加热形式 Heating type		电热器加热 Electric heater heating				
加湿形式 Humidifying type		电极式加湿 Electrode type humidifying				
过滤形式 Air filter		双层尼龙网 Two plies nylon screen				
外形尺寸 Physical dimension	长 (mm) Length	6950	6950		7550	7850
	宽 (mm) Width	2956	3156		3580	3580
	高 (mm) Height	2510	2510		2510	2510
制冷剂连接管 Refrigerant connection pipe	供液管 Liquid feeding pipe	参见配套表 See the corresponding table	2-Φ35 × 1.5	参见配套表 See the corresponding table		2-Φ35 × 1.5
	回气管 Gas return pipe	参见配套表 See the corresponding table	2-Φ80 × 2.5	参见配套表 See the corresponding table		2-Φ80 × 2.5
重量 (约) Weight (about)	kg	4250	4600	4850	5100	5300

1. 样本中的性能参数, 均是在“名义工况”条件下测定的。
2. 标准机型的送、回风方式, 均为水平方式, 风口配套法兰。如需其它送回风方式, 请及时进行咨询。
3. “外形尺寸”均为“净化型”产品, 标准机型配套“G3板式+F5袋式”。只含有满足基本要求的功能段, 如需要增加其它功能, 请及时进行咨询。
4. 标准机型提供了电热器加热、电极式加湿的性能参数, 如需要其它加热、加湿方式, 请及时进行咨询。
5. “外形尺寸”、“重量”仅供参考, 公司保留更改设计的权利, 恕不事先通知。

1. The performance parameters listed in this catalogue are all measured at the "nominal working conditions".
2. The air supply and return ways of the standard type air conditioning unit are all horizontal, air grills is supported with flange. If need other air supply and return ways, please consult in time.
3. The "physical dimensions" are all the "air cleaning" types, the standard type is equipped with "G3 panel filter + F5 bag filter". Only equipped with primary functional sections, if adding other functional sections, please consult in time.
4. The performance parameters of electric heating and electrode humidifying of the standard type are listed on the above table, if need other types of heating and humidifying, please consult in time.
5. "Physical dimension" and "weight" are only for reference. Our company reserves the right of changing designs without prior notice.

YWKL/D、YWKLFS/Q系列(表1)
YWKL/D、YWKLFS/Q series(Table 1)

型号 Model		YWKL/D28T YWKLFS/Q28T	YWKL/D33T YWKLFS/Q33T	YWKL/D45T YWKLFS/Q45T	YWKL/D54T YWKLFS/Q54T	YWKL/D65T YWKLFS/Q65T
性能 Performance						
制冷量 Cooling capacity	kW	27.3	32.4	44.6	54.3	64.8
	10 ⁴ kcal/h	2.4	2.8	3.8	4.7	5.6
制热量 Heating capacity	kW	28.4	33.7	46.2	56.1	66.5
	10 ⁴ kcal/h	2.4	2.9	4.0	4.8	5.7
电加热 Electric heating	kg/h	12.0	13.5	18.0	24.0	27.0
热水加热 Hot water heating	m ³ /h	25	30.0	40.0	50.0	60.0
蒸汽加热 Steam heating	Pa	25	30.0	40.0	50.0	60.0
送风量 Air supply flow	m ³ /h	5500	6500	8500	10000	12000
机外静压 External static pressure	Pa	150	200	250	250	300
温度范围 Temp range	℃	18-28℃ ± 1℃				
使用电源 Power supply		三相/380V/ 50Hz （三相四线制） 3 phases/380V/50Hz(3 phases 4 wires)				
制冷功率 Cooling power	kW	9.9	12.4	17.6	21.1	24.5
机组噪声 Noise	dB(A)	72	73	76	77	78
制冷剂 Refrigerant	使用工质 Refrigerant	R-22				
	节流形式 Throttling	外平衡式热力膨胀阀 External-balance type thermal expansion valve				
蒸发器 Evaporator	类型 Type	铜管套铝翅片 Copper pipe passing through aluminium fin				
送风机 Air supply fan	类型 Type	双进风离心式 Two-intakes centrifugal fan				
	电机 kW Motor	1.5	1.8	3.0	4.0	5.5
过滤形式 Air filter		双层尼龙网 Two plies nylon screen				
外形尺寸 Physical dimension	长（mm） Length	2400	2400	2600	2760	2760
	宽（mm） Width	1026	1026	1186	1476	1476
	高（mm） Height	1160	1160	1280	1420	1420
制冷剂连接管 Refrigerant connection pipe	供液管 Liquid feeding pipe	1-Φ16 × 1.0	1-Φ16 × 1.0	2-Φ12 × 0.8	2-Φ16 × 1.0	2-Φ16 × 1.0
	回气管 Gas return pipe	1-Φ28 × 1.5	1-Φ35 × 1.5	2-Φ28 × 1.5	2-Φ28 × 1.5	2-Φ35 × 1.5
重量（约） Weight (about)	kg	420/450	480/520	600/650	720/780	850/930

1、样本中的性能参数，均是在“名义工况”条件下测定的。

2、标准机型的送、回风方式，均为水平方式，风口配套法兰。如需其它送回风方式，请及时进行咨询。

3、“外形尺寸”均为“净化型”产品，标准机型配套“G3板式+F5袋式”。只含有满足基本要求的功能段，如需要增加其它功能，请及时进行咨询。

4、标准机型热水加热按进出水温度90/70℃设计；蒸汽加热按进口压力0.2MPa（表压力）设计。如有特殊要求时，请及时进行咨询。

5、“外形尺寸”、“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 performance parameters listed in this catalogue are all measured at the "nominal working conditions".

2.The air supply and return ways of the standard type air conditioning unit are all horizontal, air grills is supported with flange. If need other air supply and return ways, please consult in time.

3.The "physical dimensions" are all the "air cleaning" types, the standard type is equipped with "G3 panel filter + F5 bag filter". Only equipped with primary functional sections, if adding other functional sections, please consult in time.

4.The water temperature at inlet and outlet of the standard hot water heating type is 90/70℃; steam pressure at inlet of the steam heating type is 0.2MPa (meter number). If need special one, please consult in time.

5."Physical dimension" and "weight" are only for reference. Our company reserves the right of changing designs without prior notice.

YWKLF/D、YWKLF/S/Q系列(表2)

YWKLF/D、YWKLF/S/Q series(Table 2)

型号 Model		YWKLF/D85T YWKLF/S/Q85T	YWKLF/D110T YWKLF/S/Q110T	YWKLF/D130T YWKLF/S/Q130T	YWKLF/D150T YWKLF/S/Q150T	YWKLF/D180T YWKLF/S/Q180T
性能 Performance						
制冷量 Cooling capacity	kW	81.6	107.5	125.6	147.4	174.8
	10 ⁴ kcal/h	7.0	9.3	10.8	12.7	15.0
制热量 Heating capacity	kW	86.4	112.3	132.1	153.5	182.6
	10 ⁴ kcal/h	7.4	9.7	11.4	13.2	15.7
电加热 Electric heating	kg/h	30.0	36.0	48.0	54.0	60.0
热水加热 Hot water heating	m ³ /h	60.0	80.0	100.0	120.0	140.0
蒸汽加热 Steam heating	Pa	60.0	80.0	100.0	120.0	140.0
送风量 Air supply flow	m ³ /h	15000	18000	21000	25000	28000
机外静压 External static pressure	Pa	300	300	400	400	500
温度范围 Temp range	℃	18-28℃±1℃				
使用电源 Power supply		三相/380V/ 50Hz (三相四线制) 3 phases/380V/50Hz(3 phases 4 wires)				
制冷功率 Cooling power	kW	31.5	39.6	48.4	55.8	65.2
机组噪声 Noise	dB(A)	78	78	79	80	81
制冷剂 Refrigerant	使用工质 Refrigerant	R-22				
	节流形式 Throttling	外平衡式热力膨胀阀 External-balance type thermal expansion valve				
蒸发器 Evaporator	类型 Type	铜管套铝翅片 Copper pipe passing through aluminium fin				
送风机 Air supply fan	类型 Type	双进风离心式 Two-intakes centrifugal fan				
	电机 kW Motor	5.5	5.5	7.5	11.0	11.0
过滤形式 Air filter		双层尼龙网 Two plies nylon screen				
外形尺寸 Physical dimension	长 (mm) Length	2800	3300	3300	3300	3900
	宽 (mm) Width	1736	1736	1956	2036	2216
	高 (mm) Height	1680	2000	2000	2000	2200
制冷剂连接管 Refrigerant connection pipe	供液管 Liquid feeding pipe	参见配套表 See the corresponding table				
	回气管 Gas return pipe	参见配套表 See the corresponding table				
重量 (约) Weight (about)	kg	920/1100	1050/1320	1150/1400	1200/1600	1400/1750

- 1、样本中的性能参数，均是在“名义工况”条件下测定的。
- 2、标准机型的送、回风方式，均为水平方式，风口配套法兰。如需其它送回风方式，请及时进行咨询。
- 3、“外形尺寸”均为“净化型”产品，标准机型配套“G3板式+F5袋式”。只含有满足基本要求的功能段，如需要增加其它功能，请及时进行咨询。
- 4、标准机型热水加热按进出水温度90/70℃设计；蒸汽加热按进口压力0.2MPa（表压力）设计。如有特殊要求时，请及时进行咨询。
- 5、“外形尺寸”、“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 performance parameters listed in this catalogue are all measured at the "nominal working conditions".
- 2.The air supply and return ways of the standard type air conditioning unit are all horizontal, air grills is supported with flange. If need other air supply and return ways, please consult in time.
- 3.The "physical dimensions" are all the "air cleaning" types, the standard type is equipped with "G3 panel filter + F5 bag filter". Only equipped with primary functional sections, if adding other functional sections, please consult in time.
- 4.The water temperature at inlet and outlet of the standard hot water heating type is 90/70℃; steam pressure at inlet of the steam heating type is 0.2MPa (meter number). If need special one, please consult in time.
- 5."Physical dimension" and "weight" are only for reference. Our company reserves the right of changing designs without prior notice.

YWKL/D、YWKLF/Q系列(表3)
YWKL/D、YWKLF/Q series(Table 3)

型号 Model		YWKL/D200T YWKLF/Q200T	YWKL/D220T YWKLF/Q220T	YWKL/D270T YWKLF/Q270T	YWKL/D320T YWKLF/Q320T	YWKL/D370T YWKLF/Q370T
性能 Performance						
制冷量 Cooling capacity	kW	196.8	212.6	258.2	313.7	364.1
	10 ⁴ kcal/h	16.9	18.3	22.2	27.0	31.3
制热量 Heating capacity	kW	203.5	219.3	269.4	318.9	372.4
	10 ⁴ kcal/h	17.5	18.9	23.2	27.4	32.0
电加热 Electric heating	kg/h	72.0	84.0	96.0	108.0	120.0
热水加热 Hot water heating	m ³ /h	150.0	180.0	220.0	280.0	310.0
蒸汽加热 Steam heating	Pa	150.0	180.0	220.0	280.0	310.0
送风量 Air supply flow	m ³ /h	30000	35000	45000	53000	62000
机外静压 External static pressure	Pa	500				
温度范围 Temp range	℃	18-28℃±1℃				
使用电源 Power supply		三相/380V/ 50Hz (三相四线制) 3 phases/380V/50Hz(3 phases 4 wires)				
制冷功率 Cooling power	kW	72.3	75.9	94.6	112.8	130.7
机组噪声 Noise	dB(A)	81	82	83	85	85
制冷剂 Refrigerant	使用工质 Refrigerant	R-22				
	节流形式 Throttling	外平衡式热力膨胀阀 External-balance type thermal expansion valve				
蒸发器 Evaporator	类型 Type	铜管套铝翅片 Copper pipe passing through aluminium fin				
送风机 Air supply fan	类型 Type	双进风离心式 Two-intakes centrifugal fan				
	电机 kW Motor	15.0	15.0	18.5	22.0	30.0
过滤形式 Air filter		双层尼龙网 Two plies nylon screen				
外形尺寸 Physical dimension	长 (mm) Length	4200	4200	4800	5100	5100
	宽 (mm) Width	2216	2316	2416	2716	2956
	高 (mm) Height	2300	2300	2460	2510	2510
制冷剂连接管 Refrigerant connection pipe	供液管 Liquid feeding pipe	1-Φ28×1.5	1-Φ35×1.5	1-Φ35×1.5	1-Φ35×1.5	2-Φ28×1.5
	回气管 Gas return pipe	1-Φ67×2.0	1-Φ80×2.5	1-Φ80×2.5	1-Φ80×2.5	2-Φ67×2.0
重量 (约) Weight (about)	kg	1800/2200	1950/2350	2200/2800	2700/3250	3100/3680

1、样本中的性能参数，均是在“名义工况”条件下测定的。

2、标准机型的送、回风方式，均为水平方式，风口配套法兰。如需其它送回风方式，请及时进行咨询。

3、“外形尺寸”均为“净化型”产品，标准机型配套“G3板式+F5袋式”。只含有满足基本要求的功能段，如需要增加其它功能，请及时进行咨询。

4、标准机型热水加热按进出水温度90/70℃设计；蒸汽加热按进口压力0.2MPa（表压力）设计。如有特殊要求时，请及时进行咨询。

5、“外形尺寸”、“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 performance parameters listed in this catalogue are all measured at the "nominal working conditions".

2.The air supply and return ways of the standard type air conditioning unit are all horizontal, air grills is supported with flange. If need other air supply and return ways, please consult in time.

3.The "physical dimensions" are all the "air cleaning" types, the standard type is equipped with "G3 panel filter + F5 bag filter". Only equipped with primary functional sections, if adding other functional sections, please consult in time.

4.The water temperature at inlet and outlet of the standard hot water heating type is 90/70℃; steam pressure at inlet of the steam heating type is 0.2MPa (meter number). If need special one, please consult in time.

5."Physical dimension" and "weight" are only for reference. Our company reserves the right of changing designs without prior notice.

YWKLF/D、YWKLF/S/Q系列(表4)

YWKLF/D、YWKLF/S/Q series(Table 4)

型号 Model		YWKLF/D400T YWKLFS/Q400T	YWKLF/D420T YWKLFS/Q420T	YWKLF/D450T YWKLFS/Q450T	YWKLF/D470T YWKLFS/Q470T	YWKLF/D520T YWKLFS/Q520T
性能 Performance						
制冷量 Cooling capacity	kW	393.6	403.5	439.4	459.2	498.6
	10 ⁴ kcal/h	33.9	34.7	37.8	39.5	42.9
制热量 Heating capacity	kW	402.1	416.2	446.9	467.8	513.7
	10 ⁴ kcal/h	34.6	35.8	38.4	40.2	44.2
电加热 Electric heating	kg/h	120.0	144.0	144.0	156.0	156.0
热水加热 Hot water heating	m ³ /h	340.0	360.0	380.0	400.0	450.0
蒸汽加热 Steam heating	Pa	340.0	360.0	380.0	400.0	450.0
送风量 Air supply flow	m ³ /h	65000	70000	75000	80000	90000
机外静压 External static pressure	Pa	500			600	
温度范围 Temp range	℃	18-28℃±1℃				
使用电源 Power supply		三相/380V/ 50Hz （ 三相四线制 ） 3 phases/380V/50Hz(3 phases 4 wires)				
制冷功率 Cooling power	kW	144.3	150.5	156.9	173.4	195.8
机组噪声 Noise	dB(A)	84	85	86	87	89
制冷剂 Refrigerant	使用工质 Refrigerant	R-22				
	节流形式 Throttling	外平衡式热力膨胀阀 External-balance type thermal expansion valve				
蒸发器 Evaporator	类型 Type	铜管套铝翅片 Copper pipe passing through aluminium fin				
送风机 Air supply fan	类型 Type	双进风离心式 Two-intakes centrifugal fan				
	电机 kW Motor	30.0	30.0	37.0	37.0	45.0
过滤形式 Air filter		双层尼龙网 Two plies nylon screen				
外形尺寸 Physical dimension	长（mm） Length	5100	5600	5600	5600	5600
	宽（mm） Width	2956	3580	3580	3580	3580
	高（mm） Height	2510	2510	2510	2510	2510
制冷剂连接管 Refrigerant connection pipe	供液管 Liquid feeding pipe	参见配套表 See the corresponding table	2-Φ35×1.5	参见配套表 See the corresponding table		2-Φ35×1.5
	回气管 Gas return pipe	参见配套表 See the corresponding table	2-Φ80×2.5	参见配套表 See the corresponding table		2-Φ80×2.5
重量（约） Weight (about)	kg	3700/4250	3900/4600	4100/4850	4400/5100	4600/5300

- 1、样本中的性能参数，均是在“名义工况”条件下测定的。
- 2、标准机型的送、回风方式，均为水平方式，风口配套法兰。如需其它送回风方式，请及时进行咨询。
- 3、“外形尺寸”均为“净化型”产品，标准机型配套“G3板式+F5袋式”。只含有满足基本要求的功能段，如需要增加其它功能，请及时进行咨询。
- 4、标准机型热水加热按进出水温度90/70℃设计；蒸汽加热按进口压力0.2MPa（表压力）设计。如有特殊要求时，请及时进行咨询。
- 5、“外形尺寸”、“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 performance parameters listed in this catalogue are all measured at the "nominal working conditions".
- 2.The air supply and return ways of the standard type air conditioning unit are all horizontal, air grills is supported with flange. If need other air supply and return ways, please consult in time.
- 3.The "physical dimensions" are all the "air cleaning" types, the standard type is equipped with "G3 panel filter + F5 bag filter". Only equipped with primary functional sections, if adding other functional sections, please consult in time.
- 4.The water temperature at inlet and outlet of the standard hot water heating type is 90/70℃; steam pressure at inlet of the steam heating type is 0.2MPa (meter number). If need special one, please consult in time.
- 5."Physical dimension" and "weight" are only for reference. Our company reserves the right of changing designs without prior notice.



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)



单元式空气调节机-恒速型
Unitary Air Handling Unit—Constant Temp.

室外冷凝机组性能参数

Performance parameters of outdoor condensing unit

电控箱独立式

Electric control box self-contained type

型号 Model		SW-8-WD-DL SW-8-WR-DL	SW-10-WD-DL SW-10-WR-DL	SW-12-WD-DL SW-12-WR-DL	SW-15-WD-DL SW-15-WR-DL
性能 Performance	类型 Type	全封闭涡旋式 Fully closed scroll type			
	台数 Quantity	1			
	功率 kW Power	6.8	8.5	9.7	12.4
冷凝器 Condenser	类型 Type	铜管套铝翅片 Copper pipe passing through aluminium fin			
冷凝风机 Condensate fan	类型 Type	轴流式 Axial type			
	风量 m ³ /h Air flow rate	10500	13500	13500	10500
	功率 kW Power	0.55	0.75	0.75	0.55
	台数 Quantity	1			
外形尺寸 Physical dimension	长 (mm) Length	1130	1160	1560	1950
	宽 (mm) Width	940	970	970	1020
	高 (mm) Height	1050	1050	1050	1050
重量 (约) Weight (about)	kg	195/210	210/230	220/240	290/320
制冷剂连接管 Refrigerant	供液连管 Liquid feeding pipe	1-Φ12×0.8	1-Φ16×1.0	1-Φ16×1.0	1-Φ19×1.0
	回气连管 Gas return pipe	1-Φ25×1.0	1-Φ28×1.0	1-Φ35×1.5	1-Φ42×1.5

- 1、机组电控箱与室外冷凝机组分离，独立设置，可根据使用现场灵活进行布置。
- 2、“外形尺寸”、“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 electric control box separated from outdoor condenser is mounted independently and allocated flexibly depending on the site situation.
2. "Physical dimension" and "weight" are only for reference. Our company reserves the right of changing designs without prior notice.

电控箱组合式(表1)

Electric control box combined type(Table 1)

型号 Model		SW-30-WD-ZH SW-30-WR-ZH	SW-40-WD-ZH SW-40-WR-ZH	SW-50-WD-ZH SW-50-WR-ZH	SW-60-WD-ZH SW-60-WR-ZH
性能 Performance	类型 Type	全封闭涡旋式 Fully closed scroll type			
	台数 Quantity	2			
	功率 kW Power	12.4	16.7	20.6	25.2
冷凝器 Condenser	类型 Type	铜管套铝翅片 Copper pipe passing through aluminium fin			
冷凝风机 Condensate fan	类型 Type	轴流式 Axial type			
	风量 m ³ /h Air flow rate	7500	10500	10500	21000
	功率 kW Power	0.55	0.75	0.75	1.50
	台数 Quantity	4			
外形尺寸 Physical dimension	长 (mm) Length	2036	2280	2280	2508
	宽 (mm) Width	1944	1924	1924	2230
	高 (mm) Height	1780	1890	1890	2264
重量 (约) Weight (about)	kg	840/890	920/1000	950/1050	1450/1600
制冷剂连接管 Refrigerant	供液连管 Liquid feeding pipe	2-Φ19×1.0	2-Φ22×1.5	2-Φ22×1.5	2-Φ22×1.5
	回气连管 Gas return pipe	2-Φ42×1.5	2-Φ42×1.5	2-Φ42×1.5	2-Φ54×2.0

- 1、机组电控箱与室外冷凝机组设计成一体，但操作显示屏独立，并与电控箱之间配套通讯线30米。
- 2、“外形尺寸”、“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 electric control box integrated with outdoor condenser has independent display screen. The length of communication cable wiring between the outdoor condenser and electric control box is 30m.
2. "Physical dimension" and "weight" are only for reference. Our company reserves the right of changing designs without prior notice.



恒温恒湿型
Constant Temperature and Humidity Type

屋顶式空调机组
Rooftop Air Conditioning Unit

单元式空调器-冷热风型
Cabinet Air Handling Unit-Cold/Hot Air Type

机房专用空调机
Special Purpose Air Conditioning For Machine Room

除湿机
Dehumidifier

单元式空调器-吊顶式-冷热风型
Cabinet Air Handling Unit-Suspension Type-Cold/Hot Air Type

电控箱组合式(表2)

Electric control box combined type(Table 2)

型号 Model		SW-30-LD-ZH SW-30-LR-ZH	SW-40-LD-ZH SW-40-LR-ZH	SW-50-LD-ZH SW-50-LR-ZH	SW-60-LD-ZH SW-60-LR-ZH
性能 Performance	类型 Type	半封闭螺杆式 Semi-enclosed screw type			
	台数 Quantity	1			
	功率 kW Power	28.9	38.1	39.7	47.9
冷凝器 Condenser	类型 Type	铜管套铝翅片 Copper pipe passing through aluminium fin			
冷凝风机 Condensate fan	类型 Type	轴流式 Axial type			
	风量 m ³ /h Air flow rate	7500	10500	10500	21000
	功率 kW Power	0.55	0.75	0.75	1.50
	台数 Quantity	4			
外形尺寸 Physical dimension	长 (mm) Length	2036	2280	2280	2508
	宽 (mm) Width	1944	1924	1924	2230
	高 (mm) Height	1780	1890	1890	2264
重量 (约) Weight (about)	kg	920/980	1000/1100	1050/1200	1570/1720
制冷剂连接管 Refrigerant	供液连管 Liquid feeding pipe	1-Φ28×1.5	1-Φ28×1.5	1-Φ35×1.5	1-Φ35×1.5
	回气连管 Gas return pipe	1-Φ54×2.0	1-Φ54×2.0	1-Φ54×2.0	1-Φ67×2.0

- 1、机组电控箱与室外冷凝机组设计成一体，但操作显示屏独立，并与电控箱之间配套通讯线30米。
- 2、“外形尺寸”、“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 electric control box integrated with outdoor condenser has independent display screen. The length of communication cable wiring between the outdoor condenser and electric control box is 30m.
2. "Physical dimension" and "weight" are only for reference. Our company reserves the right of changing designs without prior notice.

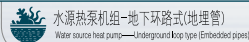
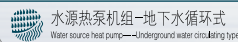
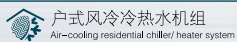
电控箱组合式(表3)

Electric control box combined type(Table 3)

型号 Model		SW-70-LD-ZH SW-70-LR-ZH	SW-80-LD-ZH SW-80-LR-ZH	SW-100-LD-ZH SW-100-LR-ZH	SW-120-LD-ZH SW-120-LR-ZH
性能 Performance	类型 Type	半封闭螺杆式 Semi-enclosed screw type			
	台数 Quantity	1			
	功率 kW Power	52.3	63.7	69.4	78.2
冷凝器 Condenser	类型 Type	铜管套铝翅片 Copper pipe passing through aluminium fin			
冷凝风机 Condensate fan	类型 Type	轴流式 Axial type			
	风量 m ³ /h Air flow rate	21000	21000	15000	21000
	功率 kW Power	1.50	1.50	1.10	1.50
	台数 Quantity	4		6	6
外形尺寸 Physical dimension	长 (mm) Length	2508	2508	3036	3608
	宽 (mm) Width	2230	2230	2230	2230
	高 (mm) Height	2264	2264	2264	2264
重量 (约) Weight (about)	kg	1600/1750	1800/1960	2380/2550	2450/2700
制冷剂连接管 Refrigerant	供液连管 Liquid feeding pipe	1-Φ35×1.5	1-Φ35×1.5	1-Φ35×1.5	1-Φ35×1.5
	回气连管 Gas return pipe	1-Φ67×2.0	1-Φ80×2.5	1-Φ80×2.5	1-Φ80×2.5

- 1、机组电控箱与室外冷凝机组设计成一体，但操作显示屏独立，并与电控箱之间配套通讯线30米。
- 2、“外形尺寸”、“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 electric control box integrated with outdoor condenser has independent display screen. The length of communication cable wiring between the outdoor condenser and electric control box is 30m.
2. "Physical dimension" and "weight" are only for reference. Our company reserves the right of changing designs without prior notice.



屋顶式空气调节机组与室外冷凝机组配套

Rooftop air conditioning unit matching with outdoor condensing unit

电控箱独立式(表1)

Electric control box self-contained type(Table 1)

室外冷凝机组 Outdoor condensing unit	SW-8-WD-DL	SW-10-WD-DL	SW-12-WD-DL	SW-15-WD-DL
屋顶式空气调节机组 Rooftop air conditioning unit				
YWKHF25T、YWKLF25T		1*		
YWKHF30T、YWKLF30T			1*	
YWKHF42T、YWKLF42T	2*			1
YWKHF52T、YWKLF52T		2*		
YWKHF62T、YWKLF62T	3		2*	
YWKHF80T、YWKLF80T		3		2*
YWKHF100T、YWKLF100T			3*	
YWKHF120T、YWKLF120T		4*		
YWKHF140T、YWKLF140T			4*	3

- 1、带 “*” 室外冷凝机组，为屋顶式空气调节机组标准配置。
2、根据用户现场实际情况，屋顶式空气调节机组也可与其它室外冷凝机组进行组合，必要时可进行技术咨询。
1.Outdoor condensing unit marked with“*”is the standard configuration of the rooftop air conditioning unit.
2.Rooftop air conditioning unit can match with other outdoor condensing units according to the site requirement. Technical consultation is available.

电控箱独立式(表2)

Electric control box self-contained type(Table 2)

室外冷凝机组 Outdoor condensing unit	SW-8-WR-DL SW-8-WD-DL	SW-10-WR-DL SW-10-WD-DL	SW-12-WR-DL SW-12-WD-DL	SW-15-WR-DL SW-15-WD-DL
屋顶式空气调节机组 Rooftop air conditioning unit				
YWKLF28T		1*		
YWKLF33T			1*	
YWKLF45T	2*			1
YWKLF54T		2*		
YWKLF65	3		2*	
YWKLF85T		3		2*
YWKLF110T			3*	
YWKLF130T		4*		
YWKLF150T			4*	3

- 1、带 “*” 室外冷凝机组，为屋顶式空气调节机组标准配置。
2、根据用户现场实际情况，屋顶式空气调节机组也可与其它室外冷凝机组进行组合，必要时可进行技术咨询。
1.Outdoor condensing unit marked with“*”is the standard configuration of the rooftop air conditioning unit.
2.Rooftop air conditioning unit can match with other outdoor condensing units according to the site requirement. Technical consultation is available.

电控箱组合式(表1)

Electric control box combined type(Table 1)

室外冷凝机组 Outdoor condensing unit 屋顶式空气调节机组 Rooftop air conditioning unit	SW-30-WD-ZH SW-30-LD-ZH	SW-40-WD-ZH SW-40-LD-ZH	SW-50-WD-ZH SW-50-LD-ZH	SW-60-WD-ZH SW-60-LD-ZH
YWKHF80T、YWKLF/S/Q85T	1*			
YWKHF100T、YWKLF/S/Q110T		1*		
YWKHF120T、YWKLF/S/Q130T		1*		
YWKHF140T、YWKLF/S/Q150T			1*	
YWKHF160T、YWKLF/S/Q180T	2			1*
YWKHF180T、YWKLF/S/Q200T	1+	1+		
YWKHF200T、YWKLF/S/Q220T		2		
YWKHF250T、YWKLF/S/Q270T			2	
YWKHF300T、YWKLF/S/Q320T				2

- 1、带“*”室外冷凝机组，为屋顶式空气调节机组标准配置。
 2、根据用户现场实际情况，屋顶式空气调节机组也可与其它室外冷凝机进行组合，需要时可进行技术咨询。
 1.Outdoor condensing unit marked with“*”is the standard configuration of the rooftop air conditioning unit.
 2.Rooftop air conditioning unit can match with other outdoor condensing units according to the site requirement. Technical consultation is available.

电控箱组合式(表2)

Electric control box combined type(Table 2)

室外冷凝机组 Outdoor condensing unit 屋顶式空气调节机组 Rooftop air conditioning unit	SW-70-LD-ZH	SW-80-LD-ZH	SW-100-LD-ZH	SW-120-LD-ZH
YWKHF180T、YWKLRFD/S/Q200T	1*			
YWKHF200T、YWKLRFD/S/Q220T		1*		
YWKHF250T、YWKLRFD/S/Q270T			1*	
YWKHF300T、YWKLRFD/S/Q320T				1*
YWKHF350T、YWKLRFD/S/Q370T	2*			
YWKHF380T、YWKLRFD/S/Q400T	1+	1+		
YWKHF400T、YWKLRFD/S/Q420T		2*		
YWKHF420T、YWKLRFD/S/Q450T	1+		1+	
YWKHF450T、YWKLRFD/S/Q470T		1+	1+	
YWKHF500T、YWKLRFD/S/Q520T			2*	

- 1、带“*”室外冷凝机组，为屋顶式空气调节机组标准配置。
 2、根据用户现场实际情况，屋顶式空气调节机组也可与其它室外冷凝机进行组合，需要时可进行技术咨询。
 1.Outdoor condensing unit marked with“*”is the standard configuration of the rooftop air conditioning unit.
 2.Rooftop air conditioning unit can match with other outdoor condensing units according to the site requirement. Technical consultation is available.



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)



单元式空气调节机—
Unitary Air Conditioning Unit—Constant Temp

电控箱组合式(表3)

Electric control box combined type(Table 3)

室外冷凝机组 Outdoor condensing unit 屋顶式空气调节机组 Rooftop air conditioning unit	SW-30-WD/R-ZH SW-30-LD/R-ZH	SW-40-WD/R-ZH SW-40-LD/R-ZH	SW-50-WD/R-ZH SW-50-LD/R-ZH	SW-60-WD/R-ZH SW-60-LD/R-ZH
YWKLF85T	1*			
YWKLF110T		1*		
YWKLF130T		1*		
YWKLF150T			1*	
YWKLF180T	2			1*
YWKLF200T	1+	1+		
YWKLF220T		2		
YWKLF270T			2	
YWKLF320T				2

1、带 “*” 室外冷凝机组，为屋顶式空气调节机组标准配置。

2、根据用户现场实际情况，屋顶式空气调节机组也可与其它室外冷凝机进行组合，必要时可进行技术咨询。

1.Outdoor condensing unit marked with“*”is the standard configuration of the rooftop air conditioning unit.

2.Rooftop air conditioning unit can match with other outdoor condensing units according to the site requirement. Technical consultation is available.

电控箱组合式(表4)

Electric control box combined type(Table 4)

室外冷凝机组 Outdoor condensing unit 屋顶式空气调节机组 Rooftop air conditioning unit	SW-70-LD-ZH SW-70-LR-ZH	SW-80-LD-ZH SW-80-LR-ZH	SW-100-LD-ZH SW-100-LR-ZH	SW-120-LD-ZH SW-120-LR-ZH
YWKLRF200T	1*			
YWKLRF220T		1*		
YWKLRF270T			1*	
YWKLRF320T				1*
YWKLRF370T	2*			
YWKLRF400T	1+	1+		
YWKLRF420T		2*		
YWKLRF450T	1+		1+	
YWKLRF470T		1+	1+	
YWKLRF520T			2*	

1、带 “*” 室外冷凝机组，为屋顶式空气调节机组标准配置。

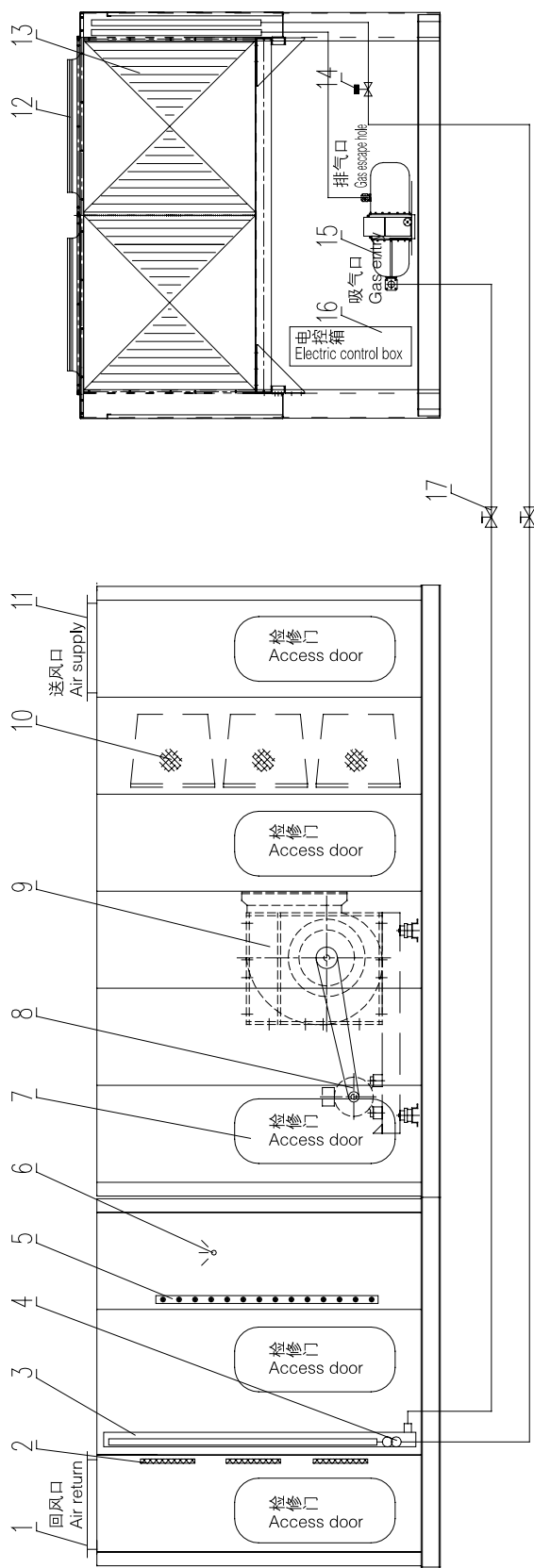
2、根据用户现场实际情况，屋顶式空气调节机组也可与其它室外冷凝机进行组合，必要时可进行技术咨询。

1.Outdoor condensing unit marked with“*”is the standard configuration of the rooftop air conditioning unit.

2.Rooftop air conditioning unit can match with other outdoor condensing units according to the site requirement. Technical consultation is available.

机组系统分解示意图

Unit system analytical schematic plan



1、回风法兰

1. Air return flange

2、板式过滤器

2. Plate filter

3、蒸发器

3. Evaporator

4、膨胀阀分液器组件

4. Expansion valve, liquid separator parts

5、加热器

5. Heater

6、加湿器

6. Humidifier

7、检修门

7. Access door

8、送风机电机

8. Air supply fan motor

9、送风机

9. Air supply fan

10、袋式过滤器

10. Bag filters

11、送风法兰

11. Air supply flange

12、冷凝风机

12. Condensate fan

13、冷凝器

13. Condenser

14、供液电磁阀

14. Liquid feeding solenoid valve

15、压缩机

15. Compressor

16、电气控制器

16. Electric controller

17、连管球阀

17. Ball valve



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)



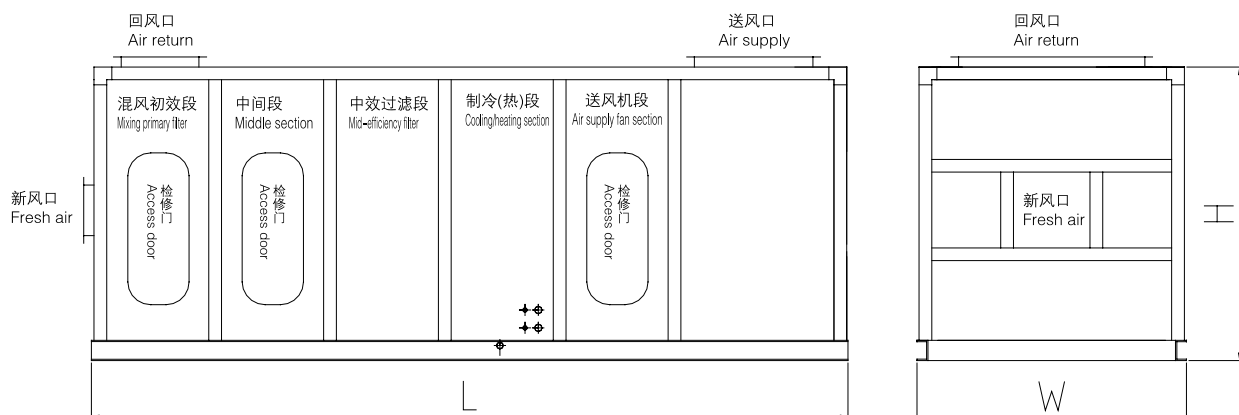
单元式空气调节机-
Cellular Air Handling Unit—Constant Temp

机组外形示意图

Unit outside view

YWKLF系列

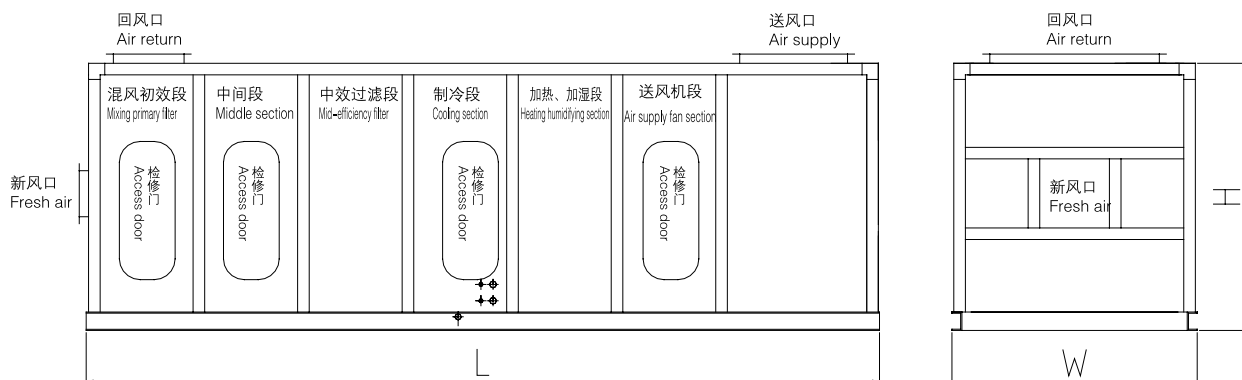
YWKLF series



	YWKLF28T	YWKLF33T	YWKLF45T	YWKLF54T	YWKLF65T
L	3000		3250	3700	
W	1126		1236	1476	
H	1180		1280	1450	

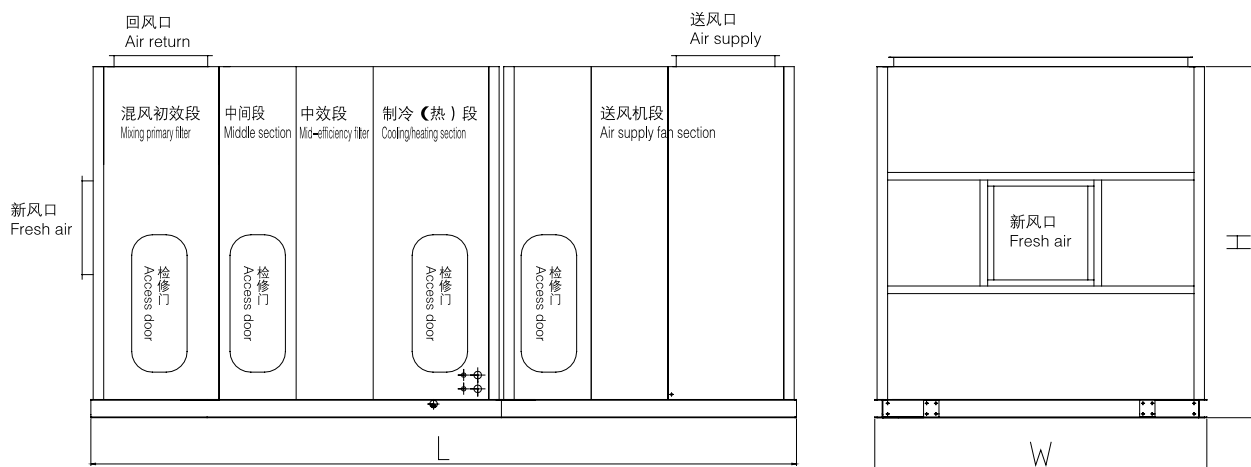
YWKHF、YWKLF/S/Q系列

YWKHF,YWKLF/S/Q series



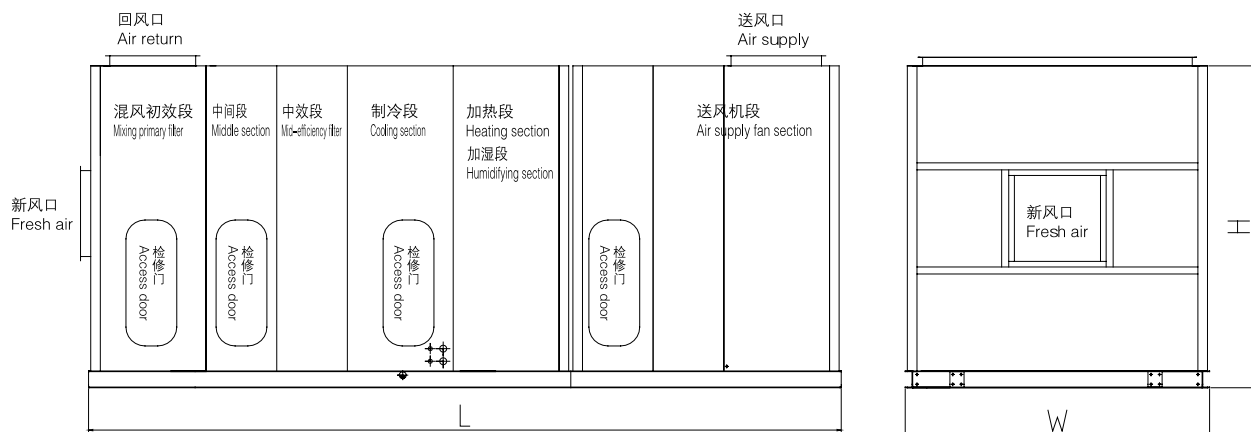
	YWKHF25T	YWKHF30T	YWKHF42T	YWKHF52T	YWKHF62T
	YWKLF/S/Q28T	YWKLF/S/Q33T	YWKLF/S/Q45T	YWKLF/S/Q54T	YWKLF/S/Q65T
L	3450		3700	4150	
W	1126		1236	1476	
H	1180		1280	1450	

YWKLF系列 YWKLF series



	YWKLF85T	YWKLF110T	YWKLF130T	YWKLF150T	YWKLF180T	YWKLF200T	YWKLF220T	YWKLF270T
L	4580	4580	4830	4830	4830	5310	5310	5650
W	1776	1956	1956	2036	2156	2216	2316	2456
H	1680	2000	2000	2000	2200	2300	2300	2460

YWKHF、YWKLF/S/Q系列 YWKHF, YWKLF/S/Q series



	YWKHF80T	YWKHF100T	YWKHF120T	YWKHF140T	YWKHF160T	YWKHF180T	YWKHF200T	YWKHF250T
	YWKLF/S/Q85T	YWKLF/S/Q110T	YWKLF/S/Q130T	YWKLF/S/Q150T	YWKLF/S/Q180T	YWKLF/S/Q200T	YWKLF/S/Q220T	YWKLF/S/Q270T
L	5330	5330	5580	5580	5580	6210	6210	6550
W	1776	1956	1956	2036	2156	2216	2316	2456
H	1680	2000	2000	2000	2200	2300	2300	2460



风冷模块冷热水机组
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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

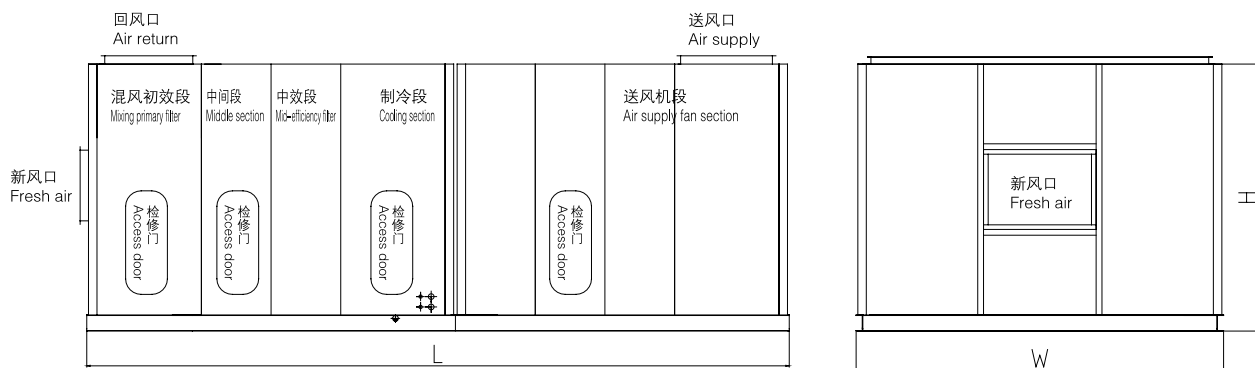


水源热泵机组-地下环路式(地埋管)
Water source heat pump—Underground loop type (Embedded pipe)



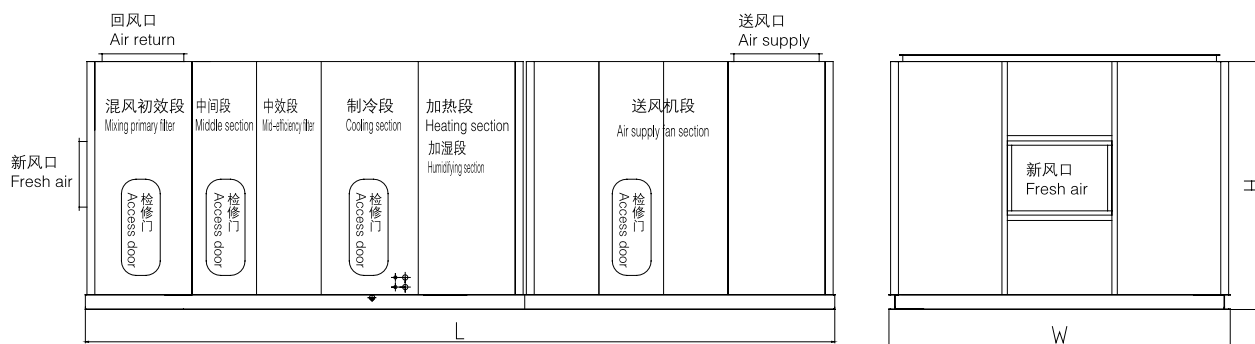
单元式空气调节机-恒温型
Cellular Air Handling Unit—Constant Temperature

YWKLF系列 YWKLF series



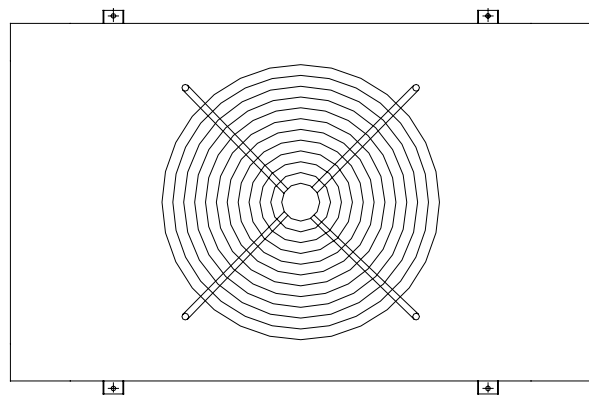
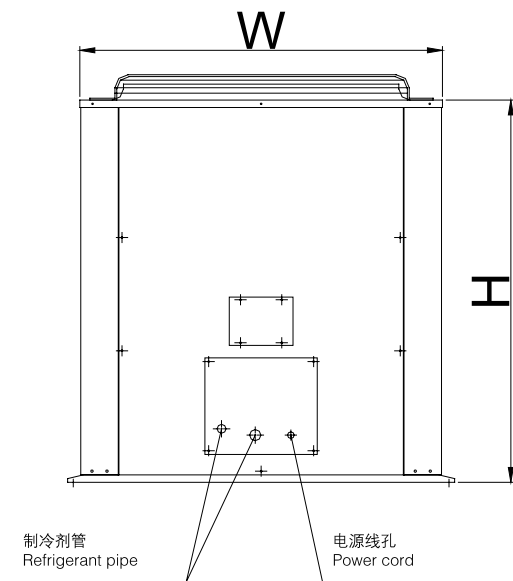
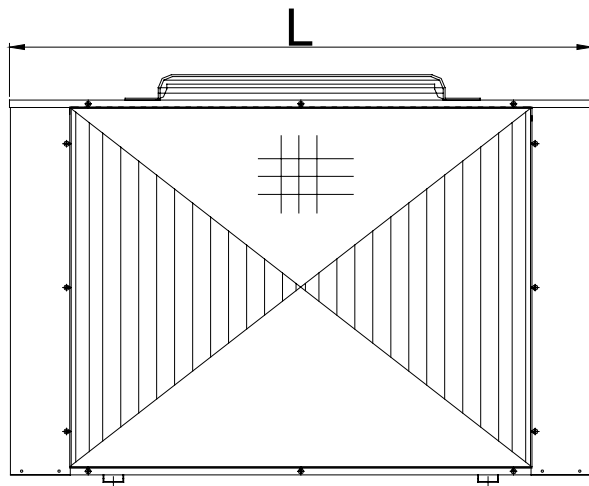
	YWKLF320T	YWKLF370T	YWKLF400T	YWKLF420T	YWKLF450T	YWKLF470T	YWKLF520T
L	5690	6350		6350		6650	6950
W	2716	2956		3156		3580	3580
H	2460	2510		2510		2510	2510

YWKHF、YWKLF/S/Q系列 YWKHF,YWKLF/S/Q series



	YWKHF300T	YWKHF350T	YWKHF380T	YWKHF400T	YWKHF420T	YWKHF450T	YWKHF500T
	YWKLF/S/Q320T	YWKLF/S/Q370T	YWKLF/S/Q400T	YWKLF/S/Q420T	YWKLF/S/Q450T	YWKLF/S/Q470T	YWKLF/S/Q520T
L	6590	6950		6950		7550	7850
W	2716	2956		3156		3580	3580
H	2460	2510		2510		2510	2510

室外冷凝机组-涡旋压缩机、电控箱独立系列 Outdoor condensing unit-scroll compressor, electric control box self-contained series



	SW-8-WD-DL SW-8-WR-DL	SW-10-WD-DL SW-10-WR-DL	SW-12-WD-DL SW-12-WR-DL	SW-15-WD-DL SW-15-WR-DL
L	1130	1160	1560	1950
W	940	970	970	1020
H	1050	1050	1050	1050
重量 (约) Weight (about)	195/210	210/230	220/240	290/320



风冷模块冷热水机组
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户式风冷冷热水机组
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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



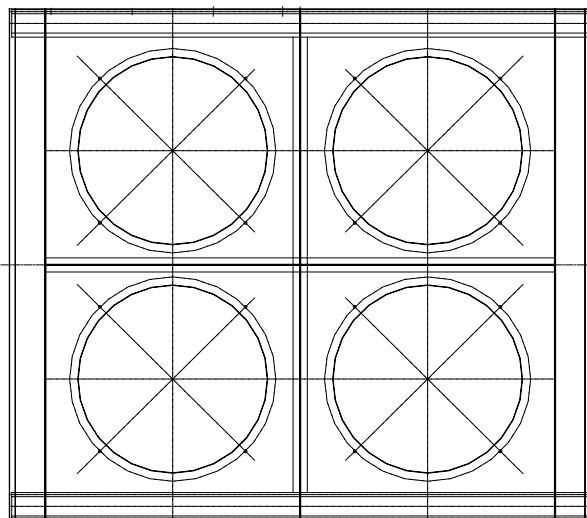
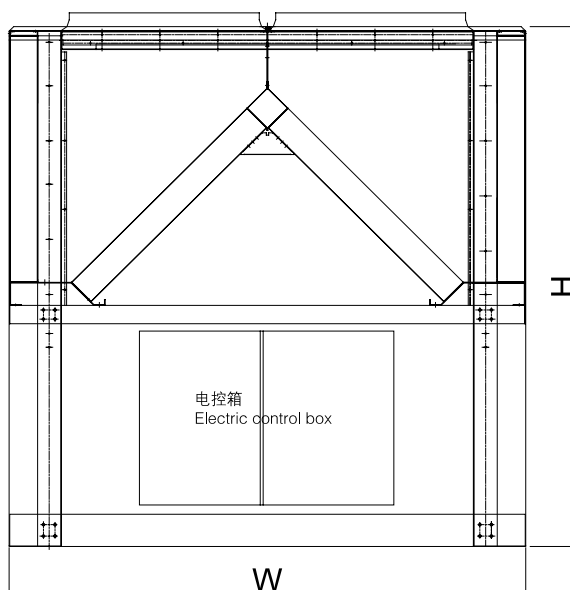
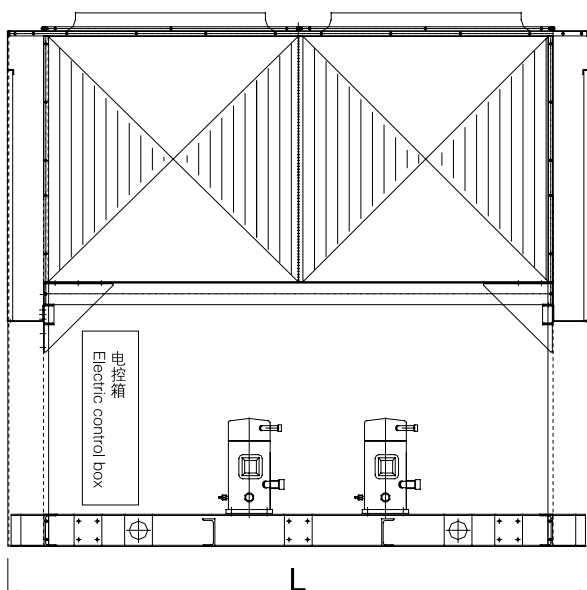
水源热泵机组-地下环路式(地埋管)
Water source heat pump—Underground loop type (Buried pipe)



单元式空气调节机-
Unitary Air Handling Unit—Constant Temp

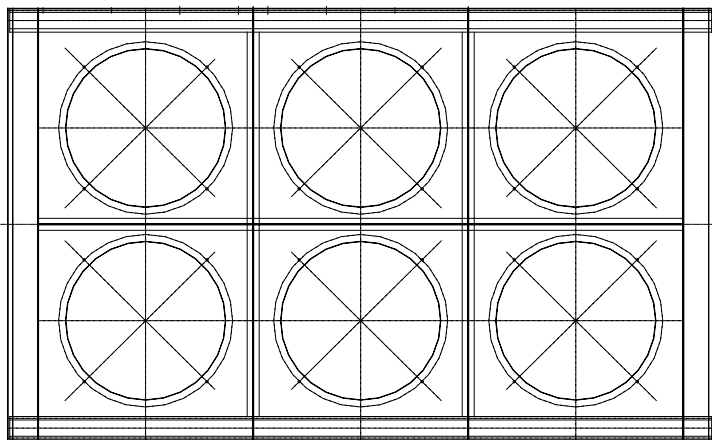
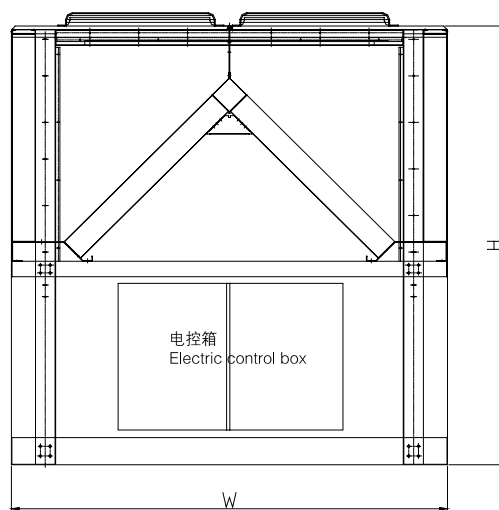
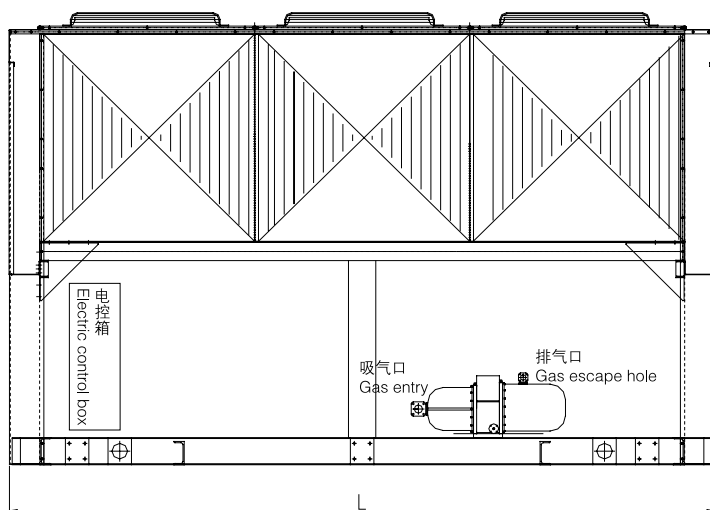
室外冷凝机组-涡旋压缩机、电控箱组合系列

Outdoor condensing unit-scroll compressor, electric control box combination series



	SW-30-WD-ZH SW-30-WR-ZH	SW-40-WD-ZH SW-40-WR-ZH	SW-50-WD-ZH SW-50-WR-ZH	SW-60-WD-ZH SW-60-WR-ZH
L	2040	2280	2510	
W	1745	1920	2230	
H	1760	1890	2265	
重量 (约) Weight (about)	840/890	920/1000	950/1050	1450/1600

室外冷凝机组-螺杆压缩机、电控箱组合系列 Outdoor condensing unit-screw compressor, electric control box combination series



	SW-100-LD-ZH SW-100-LR-ZH	SW-120-LD-ZH SW-120-LR-ZH
L	3060	3600
W	2230	2230
H	2265	2265
重量 (约) Weight (about)	2380/2250	2450/2700



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



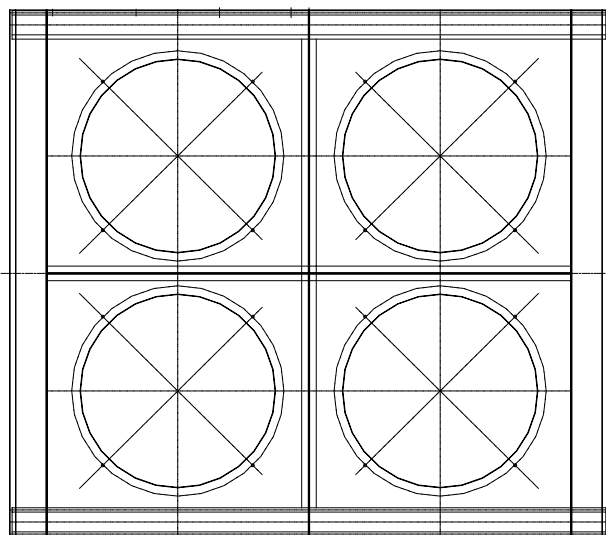
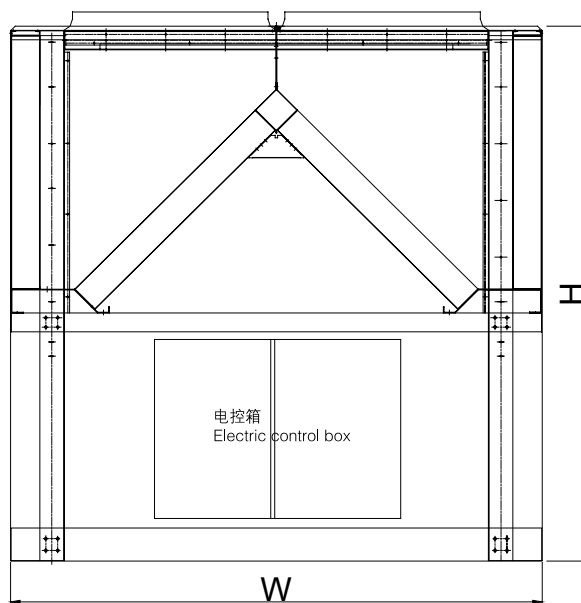
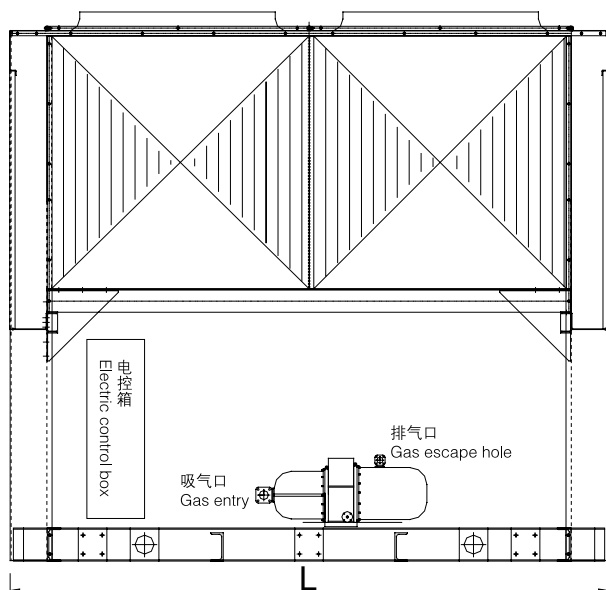
水源热泵机组-地下环路式(地埋管)
Water source heat pump—Underground loop type (Embedded pipe)



单元式空气调节机-
Unitary Air Handling Unit—Constant Temp

室外冷凝机组-螺杆压缩机、电控箱组合系列

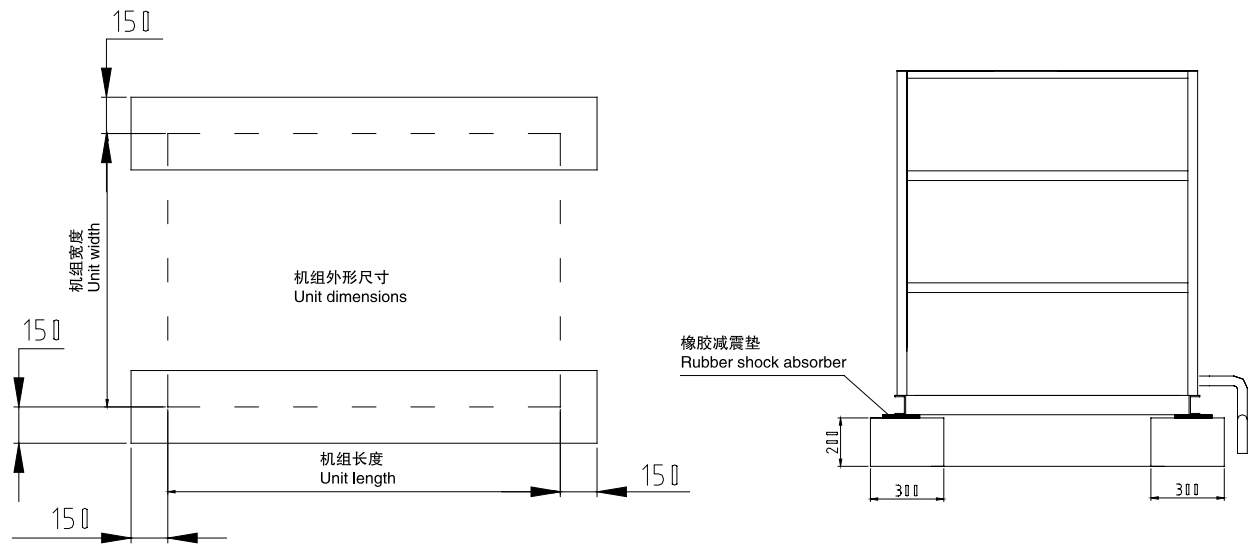
Compressing and condensing unit-Screw compressor, electric control box combination series



	SW-30-LD-ZH SW-30-LR-ZH	SW-40-LD-ZH SW-40-LR-ZH	SW-50-LD-ZH SW-50-LR-ZH	SW-60-LD-ZH SW-60-LR-ZH	SW-70-LD-ZH SW-70-LR-ZH	SW-80-LD-ZH SW-80-LR-ZH
L	2040	2285		2510		
W	1745	1920		2230		
H	1760	1890		2265		
重量(约) Weight (about)	920/980	1000/1100	1050/1200	1570/1720	1600/1750	1800/1960

机组安装基础示意图

Unit mounting foundation schematic plan



安装基础说明:

1. 安装基础的大小, 以机组外形尺寸为准, 长宽均大于机组各约300~400mm为宜;
2. 基础建议采用混凝土进行浇筑, 高度约150~200mm为宜, 并通过膨胀螺栓进行固定;
3. 也可根据施工现场实际情况, 制作钢支架, 并用螺栓进行固定;
4. 对于小型机组, 也可就地放置在平整的地板上, 并做好固定;
5. 机组底座与基础之间, 均应放置厚度约20~40mm橡胶减震垫。

1. The size of the installation foundation shall be based on the size of the unit, and the length and width of the foundation shall be 300 to 400 mm longer than those of each unit;
2. The foundation is recommended to be poured with concrete with a height of about 150-200mm. The unit is fixed to the concrete foundation by expansion bolts.
3. Steel support can also be made according to the actual situation of the construction site. The unit is fixed to the steel support by bolt;
4. For small units, they can also be placed on flat floors and fixed;
5. 20-40 mm rubber shock absorber shall be placed between the foundation and the base of the unit.



风冷模块冷热水机组
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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)



单元式空气调节机-风冷式
Unitary Air Handling Unit—Constant Temp

选型指南

How to select model

- 1、样本中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，选型时请根据需要进行修正。
- 2、“性能参数”中提供的风压值，均为空气处理机组送风口处的“机外静压”。空气处理机组送风系统应与送、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。
- 3、标准机型只含有满足基本使用要求的功能段，如需要增加其它功能，请进行技术咨询。
- 4、压缩冷凝机组与空气处理机组的制冷剂连接管道长度，标准机型要求如下：
 - ※ 全封涡旋压缩机：高度差 $\leq 6\text{m}$ 、总长度 $\leq 12\text{m}$
 - ※ 半封螺杆压缩机：高度差 $\leq 8\text{m}$ 、总长度 $\leq 12\text{m}$
 如超出以上条件，可能会导致空调机组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。
- 5、面对空气处理机组回风端，并沿空气处理方向看：制冷剂连接管位于右侧为“右式”，反之为“左式”。样本标准机型接管均为“右式”，如需要“左式”，请进行技术咨询。
- 6、样本标准产品，按现行国家标准GB/T 20738-2018《屋顶式空气调节机组》进行设计生产。
 - ※ 标准机型正常制冷运行的室外环境温度：18-43℃。
 - ※ 标准机型正常制热运行的室外环境温度：-7-21℃。
 如在超出以上条件下制冷（热）运行时，需非标设计，请进行技术咨询。
- 7、样本标准产品使用的制冷剂均为R22。采用环保型R407c、R134a、R410a的制冷剂性能参数未列出，如需要请进行技术咨询。

1. The performance parameter tables have listed the cooling capacities of the unit under "nominal working conditions". If the real working condition is different from the "nominal working condition", please correct them when selecting models.
2. The air pressure values listed in "performance parameter tables" all are "external static pressure" at the air supply outlet of the air handling unit. Its air supply system shall match with resistances of air supply and return ducts. When selecting models, please correct "external static pressure" values according to the requirements.
3. The standard types are only equipped with primary functional sections. If need to add other functional sections, please consult us.
4. Required refrigerant connection pipe length between compressing and condensing unit and air handling unit of standard unit types are as follows:
Fully enclosed scroll compressor: Height difference $\leq 6\text{m}$, total length $\leq 12\text{m}$
Semi enclosed screw compressor: Height difference $\leq 8\text{m}$, total length $\leq 12\text{m}$
If beyond the above conditions, some failures would happen like less cooling capacity, poor oil return, even burned compressor. If installation condition is really bad and lengthening connection pipe is necessary, please conduct technical consultation.
5. When you stand by facing the air return end and look along the air handling way, if the refrigerant connection pipe on the right side of the unit, it is right type. Otherwise it is left type. All the standard units listed in this catalogue are right type. The left type is also available according to the site requirement. Please consult and remark when placing your order in advance.
6. Air conditioning units listed in this catalogue are standard ones which are designed and produced according to the current national standard of GB/T 20738-2018 Rooftop Air Conditioning Unit.
The outdoor environment temperature range for the normal cooling of standard air conditioning units is 18-43℃.
The outdoor environment temperature range for the normal heating of standard air conditioning units is -7-21℃.
When the outdoor environment temp. during the unit cooling/heating operation is beyond the above conditions, non-standard unit can be designed. Please consult us.
7. The standard refrigerant specified in this catalogue is R22. The performance parameters of R407c, R134a and R410a are not specified in this catalogue. If needed, please consult us.



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

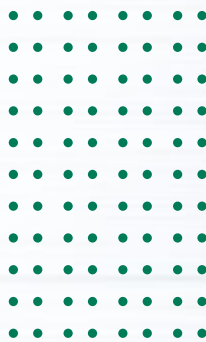
We will nourish and set up a steadfast client group
to realise the stable and steadfast expansion of the sales net

优良的品质和周到的服务，亚太集团取得了骄人的业绩。亚太洁净技术工程接连获得了北京小汤山医院、武汉火神山医院、武汉雷神山医院等近百家医院的青睐，以其洁净技术的杰出性能和净化实力，获得市场信任，树立用户口碑。

With excellent quality and considerate service, Yatai Group has made remarkable achievements. Its purification technology projects are successively favored by Xiaotangshan hospital in Beijing, Huoshenshan hospital and Leishenshan hospital in Wuhan. The outstanding performance of clean technology and purification strength have gained market trust for Yatai Group and established its reputation among users.



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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
青岛办事处 电话：(0532)55669351 传真：(0532)55669350 Qingdao Office Tel: (0532)55669351 Fax: (0532)55669350	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)8426317 传真：(0931)8426357 Gansu Office Tel: (0931)8426317 Fax: (0931)8426357	吉林办事处 电话：(0431)81232178 传真：(0431)81232178 Jilin Office Tel: (0431)81232178 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			