

Sincere
Reliable
Create
Happiness

Trustworthy Designer and
Manufacturer of Temperature
and Humidity Products

Sunchine

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Made in China



Whatsapp

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Air Nourishes Life and Protects the Earth

空气滋养生命，保护地球

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Make Air Controllable and Create Energy

让空气可控并创造能量

企业文化

Culture

Co creation/reputation/technology/happiness

共创/ 口碑 / 核心科技/幸福

企业简介

杭州松幸环境科技有限公司是由一群有着20多年空气温湿度处理行业经验的人在中国成立的专业从事空气温湿度处理设备的环境科技企业，注册资本 5000 万人民币。工厂坐落在素有“上有天堂，下有苏杭”的中国浙江省会城市——杭州市临平区五洲路26号。松幸panasocine专注变频、热泵、热管、低温再生等节能低碳技术在空气处理领域的设计制作，旗下品牌有杭州松幸、德国霍林斯克、美国乔伊勒姆和上海珀尔。

公司自成立至今一直保持节能低碳空气除湿恒温恒湿技术全球领先地位，松幸销售网络遍布全球 20多个国家和地区，目前在全世界拥有 2大先进加工制造基地，杭州工厂、衢州工厂。迄今为止松幸panasocine公司为全球不同行业客户提供了数万套不同规格型号的转轮除湿机产品、恒温除湿产品等。成功解决了不同领域温湿度控制需求，成为当之无愧的全球温湿度控制领域领袖企业。凭借创新型技术及资深的工程师队伍，帮助客户提供理想的人工气候环境解决方案，尤其在酒窖、新风、档案室、展柜、实验室、食品、制药和数据中心等行业成绩尤为显著。

公司以“靠谱的温湿度产品设计制造商”为Slogan，是全球空气恒温恒湿领域的优秀供应商。

社会目标

Goals

“双碳”战略倡导绿色、环保、低碳的生活方式。加快降低碳排放步伐，有利于引导绿色技术创新，提高产业和经济的全球竞争力。

The "double carbon" strategy advocates a green, environmentally friendly, and low-carbon lifestyle. Accelerating the pace of reducing carbon emissions will help guide green technology innovation and improve the global competitiveness of industry and economy.

社会贡献

Contribution

我们采用冷凝再热回收及热泵或者变频方式节能设计，大大降低了再生加热使用功率，从而实现节能减排的目标。

We adopts condensation reheat recovery and heat pump or frequency conversion energy-saving design, which greatly reduces the power used for regenerative heating, thereby achieving the goal of energy saving and emission reduction.

社会公益

Welfare

我们努力创造岗位，并带领员工积极参加慈善，植树造林，培养生活低碳习惯。

We strive to create jobs and lead our employees to actively participate in charity, plant trees, and cultivate low-carbon living habits

COMPANY
PROFILE

Hangzhou SUNCHINE Environmental Technology Co., Ltd. is an environmental technology enterprise specializing in air temperature and humidity treatment equipment established in China by a group of people with more than 20 years of experience in the air temperature and humidity treatment industry, with a registered capital of 10 million yuan. The factory is located in No. 26 Wuzhou Road, Linping District, Hangzhou City, the capital city of Zhejiang Province, China, known as "Heaven above, Suzhou and Hangzhou below". SUNCHINE panasocine focuses on the design and production of energy-saving and low-carbon technologies such as frequency conversion, heat pump, heat pipe and low temperature regeneration in the field of air treatment. Its brands include Hangzhou SUNCHINE, Hollinsk, Germany, Joylum and Shanghai Pearl.

Since its establishment, the company has been maintaining the world's leading position in energy-saving and low-carbon air dehumidification constant temperature and humidity technology. SUNCHINE sales network covers more than 20 countries and regions around the world. At present, it has two advanced processing and manufacturing bases in the world, Hangzhou factory and Quzhou factory. So far, Matsukin panasocine company has provided tens of thousands of sets of rotary dehumidifier products of different specifications and models for customers in different industries around the world. Successfully solve the needs of temperature and humidity control in different fields, and become a well-deserved global leader in temperature and humidity control. With innovative technology and a team of experienced engineers, we help customers to provide ideal artificial climate environment solutions, especially in the wine cellar, fresh air, archive room, showcase, laboratory, food, pharmaceutical and data center industries.

With the Slogan "Reliable temperature and humidity product design manufacturer", the company is an excellent supplier in the field of global air constant temperature and humidity.

ORGANIZATIONAL STRUCTURE

组织架构



国际衔接理念

技术专家广泛采用国际先进技术和理念，保证了自主研发，并且能够在款式，能效上实现领先水平。

INTERNATIONAL CONNECTION CONCEPT

Technical experts widely adopt international advanced technologies and concepts to ensure independent research and development and achieve leading levels in style and energy efficiency.

国际品牌配置

采用国际前三品质的压缩机等核心重要配件，保证了设备的平稳运行和耐久性工作

INTERNATIONAL BRAND CONFIGURATION

The use of core accessories such as compressors, which are among the top three in the world, ensures the smooth operation and durability of the equipment.

松幸已经通过

ISO9001NVSO14001NUSO45001 国际管理体系认证并收获多项行业专利

SUNCHINE HAS PASSED

ISO9001NVSO14001NUSO45001 international management system certification and obtained a number of industry patents.

软著登记号 2021SR15137202021SR1514641

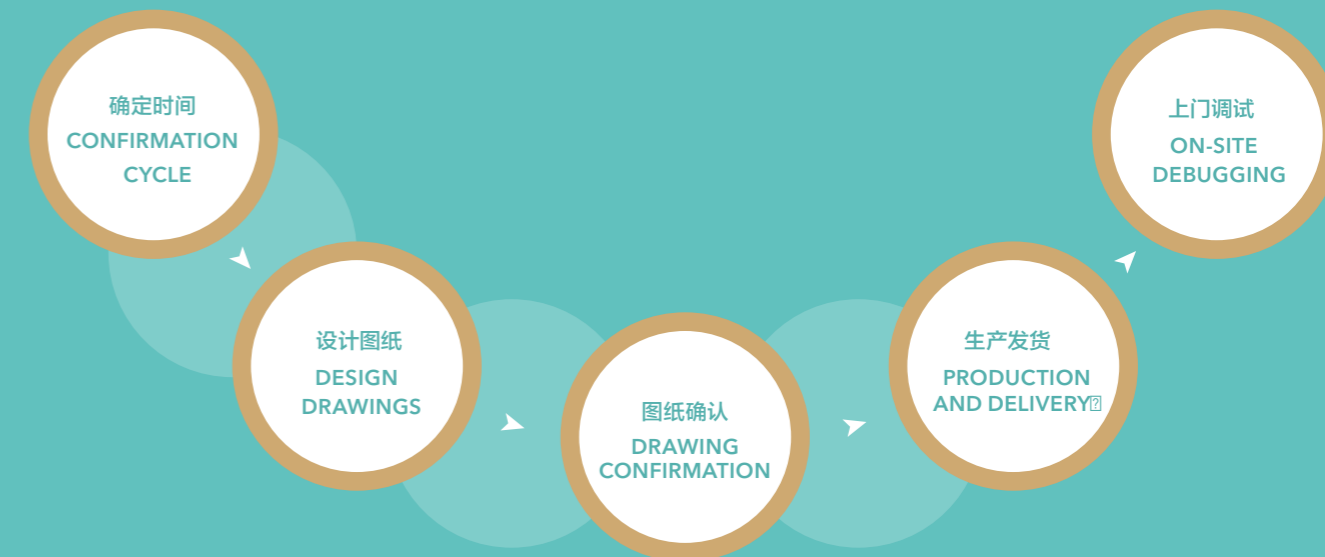
Soft registration number 2021SR15137202021SR1514641

ZL202122994476. | ZL20212 2296660.7
XL202123002053.1 | ZL20212 2208986.X
等十多项认证。

Patent number
ZL202122994476. | ZL20212 2296660.7
XL202123002053.1 | ZL20212 2208986.X
More than ten items.

OUR COMPANY'S PROJECT SERVICES WILL BE IMPLEMENTED IN ACCORDANCE WITH THE FOLLOWING STANDARDS

本公司的项目服务一律按照以下标准执行





QUALIFICATIONS & HONORS 资质荣誉



DOUBLE COOLED-SOURCE DEHUMIDIFIER WITH FRSH AIR

双冷源新风除湿机



产品介绍 PRODUCT INTRODUCTION

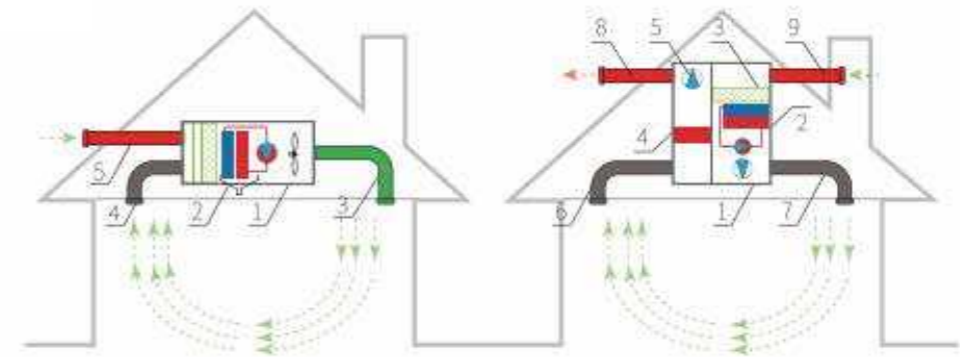
松幸双冷源新风除湿机采用创新的双冷源系统设计，即在传统单冷源除湿的基础上，增设了一套辅助冷却回路。这一设计充分利用了不同温度段的冷量，有效提高了除湿效率。在低温高湿环境下，双冷源系统能够更快地降低空气露点，实现深度除湿；而在常温或高温低湿条件下，则能自动调整工作模式，优化能耗。此外，双冷源技术还增强了设备的适应性和稳定性，确保在各种气候条件下都能高效运行。

The Sunchine dual cooling source fresh air dehumidifier adopts an innovative dual cooling source system design, which adds an auxiliary cooling circuit on the basis of traditional single cooling source dehumidification. This design fully utilizes the cooling capacity of different temperature ranges, effectively improving dehumidification efficiency. In low temperature and high humidity environments, the dual cooling source system can lower the air dew point faster and achieve deep dehumidification; Under normal temperature or high temperature and low humidity conditions, the working mode can be automatically adjusted to optimize energy consumption. In addition, the dual cooling source technology enhances the adaptability and stability of the equipment, ensuring efficient operation under various climatic conditions.

产品特点 PRODUCT FEATURES

 新风置换 Fresh air replacement	 多层过滤 Multi layer filtering	 触摸显示屏 Touch panel	 超低噪音 Ultra low noise	 余热回收 Waste heat recovery
 自动化霜 Automated Frost	 品牌压缩机 Brand Compressor	 远程控制 Remote Control	 APP控制 APP control	

产品原理 PRODUCT PRINCIPLE



- | | | | | |
|--|-------------------------------------|--|-------------------------------|-------------------------------------|
| 1: 单向流新风除湿机
One-way flow fresh air dehumidifier | 2: 除湿部分
Dehumidifying part | 1: 双向流新风除湿机
Two-way flow fresh air dehumidifier | 2: 除湿部分
Dehumidifying part | 3: 过滤部分
Filter part |
| 3: 干燥送风口
Dry air outlet | 4: 室内回风口
Indoor return air inlet | 4: 余热回收器
Waste heat recovery device | 5: 排风风机
Exhaust fan | 6: 室内回风口
Indoor return air inlet |
| 5: 室外新风口
Fresh outdoor air outlet | | 7: 干燥送风口
Dry air outlet | 8: 排风口
Exhaust outlet | 9: 室外新风口
Fresh air inlet |

应用场景 APPLICATION SCENARIOS

适用场景：别墅、家用、地下室、医院、图书档案馆、实验室、办公室等两联供系统的新风除湿配套....

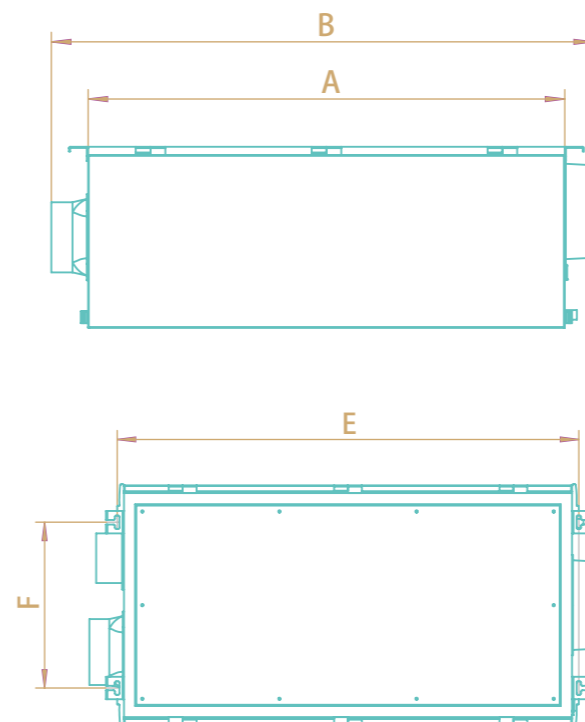
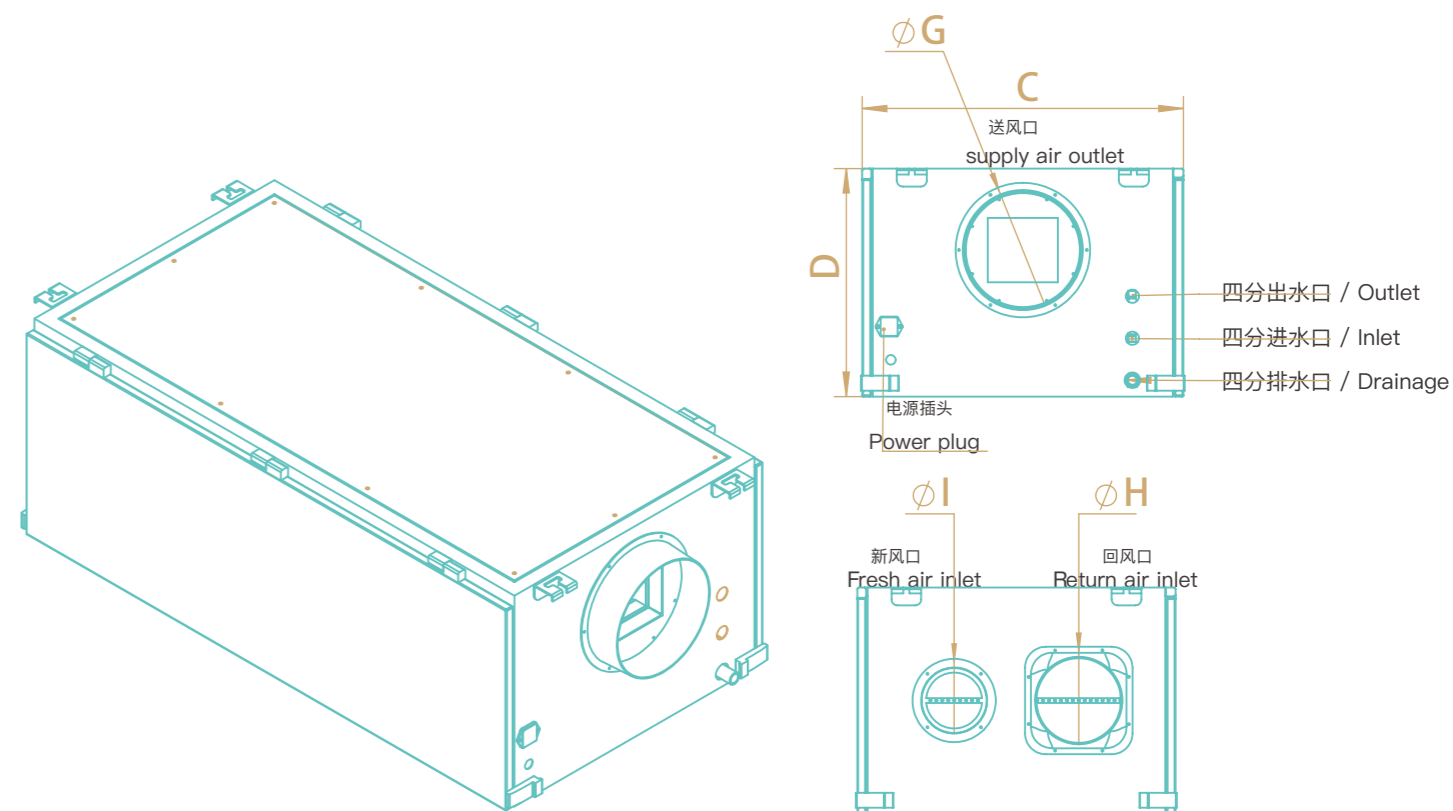
Applicable scenarios: New air dehumidification support for dual supply systems such as villas, homes, basements, hospitals, libraries and archives, laboratories, offices, etc

广泛应用于 Application



型号		单位	SXSC-500	SXSC-800
Supply Air		m3/h	500	800
Fresh Air		m3/h	250	0/300
Dehumidification (27°C,70%)		L/D	80	150
Compressor Dedehumidification		L/D	40	
Surface Cooling Capacity		Kw	6	7
Heating Capacity		Kw	6	10
Units Noise		DB	42	55
Supply Fan	Type		EC Fan	EC Fan
	Power	KW	0.12	0.16
	External Pressure	Pa	150	200
Compressor	Type		Piston Compressor	Enclosure Piston
	Cooling Capacity	KW	1.6	3
	Power	KW	0.78	1
	Refrigerant		R134A	R290
Surface Cooler	Type	Hydrophilic copper tubes with aluminum fins	Hydrophilic copper tubes with aluminum fins	
Supply Air Outlet	mm	Ø 200	Ø 200	
Return Air Inlet	mm	Ø 150	Ø 150	
Fresh Air Inlet	mm	Ø 150	Ø 150	
Air Filter	Type	Primary+Middle+High Effect	Primary+Middle+High Effect	
Water Inlet/Outlet	Inch	3/4inch / 3/4inch	1inch / 1inch	
Inlet/Outlet Water Temperature	°C	Cooling 7/12 Heat 50/45	Cooling 7/12 Heat 50/45	
Chill Water Flow	M³/h	1.1	2	
Control System	Controller		Touch Screen/Bottom	Touch Screen/Bottom
	Lift Pump		Inbuilt Lift Pump	Inbuilt Lift Pump
Dimension				
Indoor Unit	L*W*H	mm	1100*535*295	1100*785*295
Supply Power			220V/50Hz	220V/50Hz
Overall Unit Power	KW		0.9	1.2

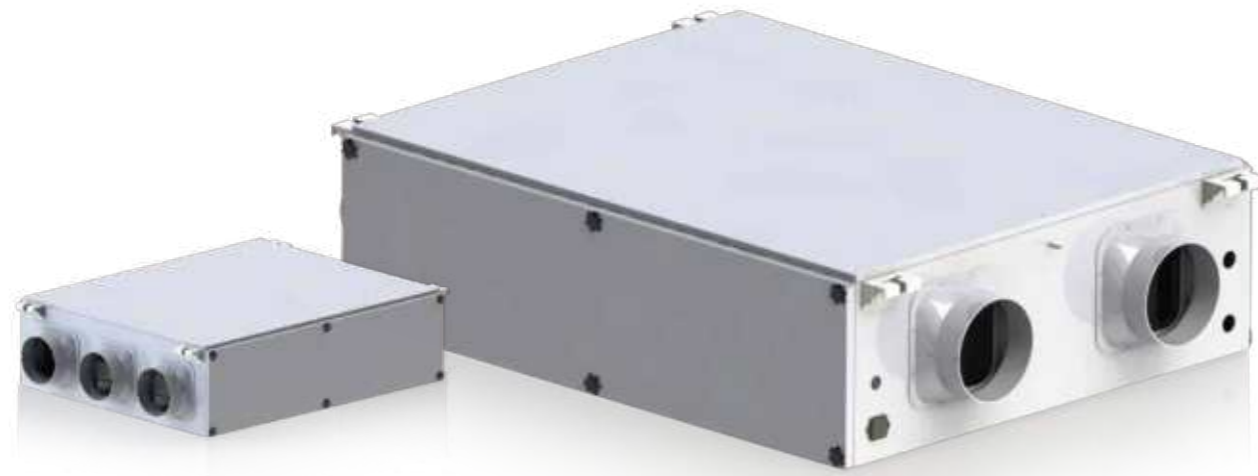
产品线框图 PRODUCT LINE DIAGRAM



	SXHFS-B-380S	SXHFS-B-580S
A	800	1000
B	924	1137
C	385	535
D	300	380
E	830	1030
F	260	370
G	150	200
H	100	150
I	75	100

WATER-COOLED AIR CONDITIONING DEHUMIDIFIER WITH FRESH AIR

水冷新风调温除湿机



产品介绍 PRODUCT INTRODUCTION

水冷调温除湿新风机通过进风口引入室外新鲜空气，经过预过滤后进入设备内部。在设备内部，空气经过表冷器进行除湿处理，使空气中的水蒸气凝结成水滴并排出，从而达到除湿效果。除湿后的空气利用冷冻水将空气中的热量带走，从而实现降温除湿目的。最后，经过处理后的空气通过送风口送入室内，完成新风引入和室内空气的循环。

The water-cooled temperature regulating dehumidification fresh air fan introduces fresh outdoor air through the air inlet, and after pre filtering, it enters the interior of the equipment. Inside the device, the air undergoes dehumidification treatment through a surface cooler, causing water vapor in the air to condense into water droplets and be discharged, thereby achieving dehumidification effect. The dehumidified air uses chilled water to remove heat from the air, thereby achieving the purpose of cooling and dehumidification. Finally, the processed air is sent into the room through the air outlet, completing the introduction of fresh air and the circulation of indoor air.

产品特点 PRODUCT FEATURES

- 高效除湿
Efficient dehumidification
- 新风调温
Fresh air temperature regulation
- 节能环保
Energy-saving
- 智能控制
Intelligent control

应用场景 APPLICATION



家装



别墅



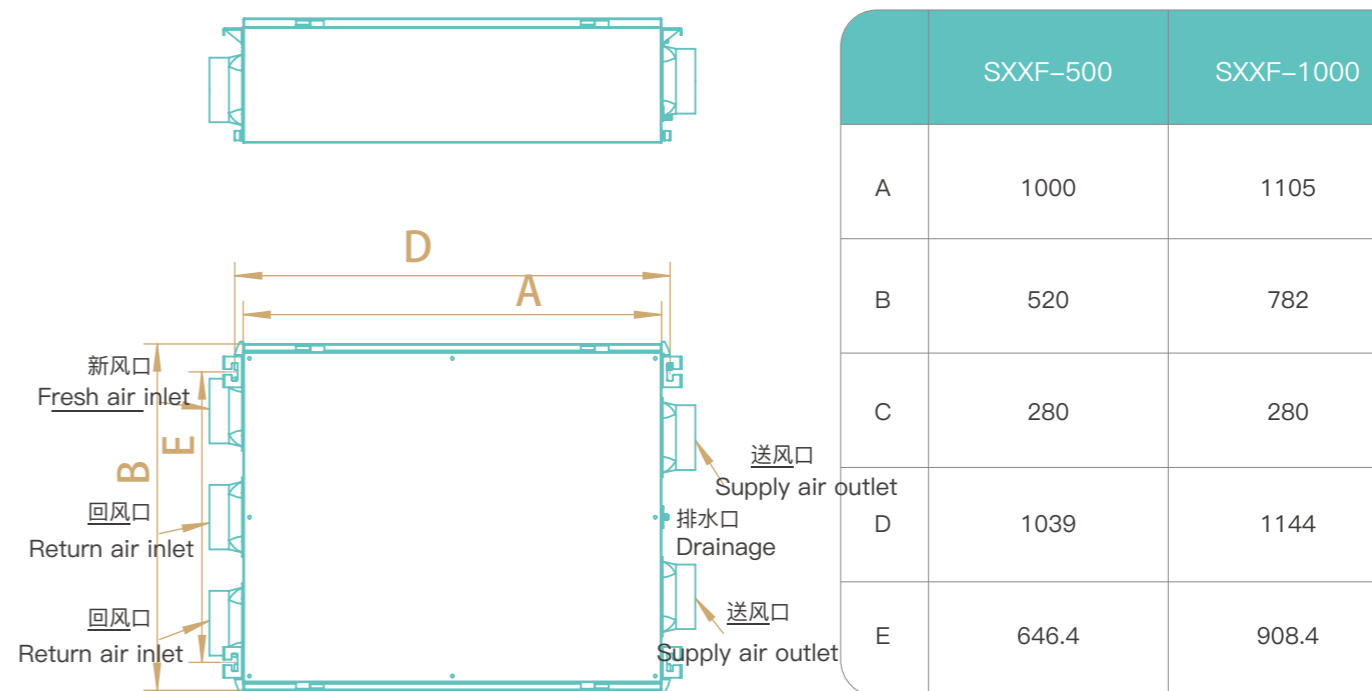
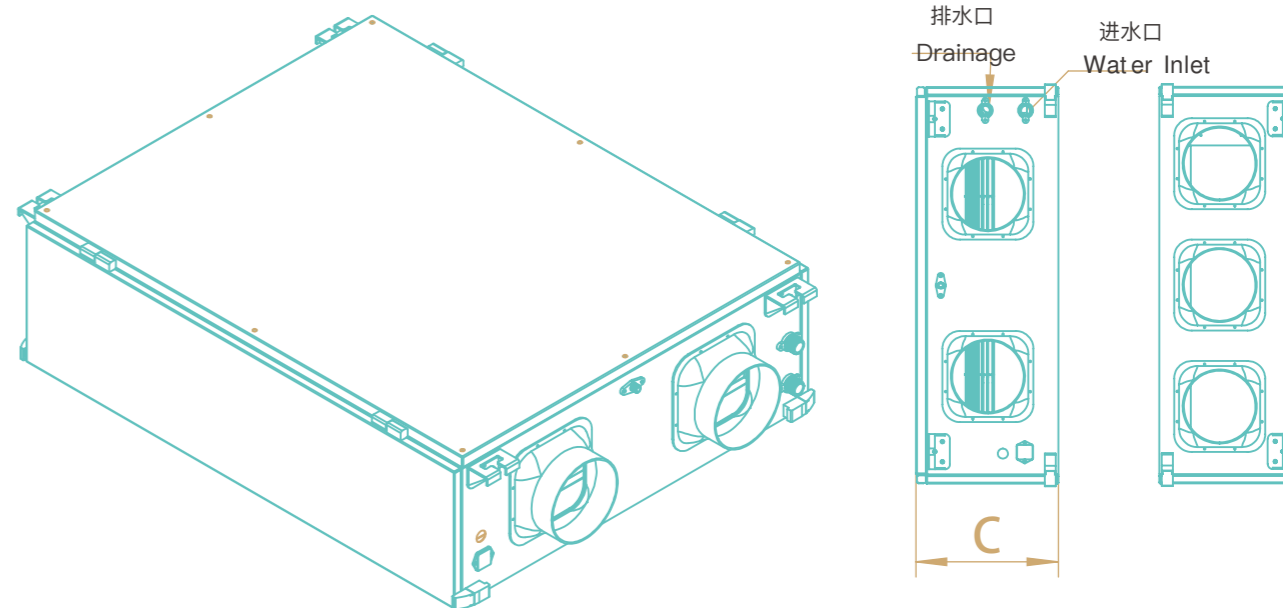
三恒



五恒

Units Characteristics	Model	Unit	SXXF-500	SXXF-1000
	Circulating Air	(m ³)/h	500	1000
	Fresh Air	(m ³)/h	200	330
	Cooling Capacity	kw	4	9
	Heating Capacity	kw	5.5	11
	Apply Area	m ²	30-50	60-100
	External Pressure	Pa	200	200
	Indoor Unit Noise	dB(A)	48	50
	Temp Rang	0-40 degree		
Surface Cooler	Type	Hydrophilic fins		
	Inlet/Outlet Pipe	DN15	DN15	
	Heat Exchanger Type	Aluminum Foil Sheet for Hydrophilic Sleeve		
Fan	Inner Fan Type	Ec Fan		
	Supply Air Way	Horizontal		
Control System		86 Box LCD Controller		
Supply Power		220V/50HZ		
Overall Unit Power	kw	0.2	0.4	
Indoor Unit Cable	mm ²	3 × 1.5mm ²	3 × 1.5mm ²	
Outdoor Unit Cable	mm ²	3 × 2.5mm ²	3 × 2.5mm ²	
Dimension	Indoor Unit size	(L*W*H) (mm)	1000*520*280	1105*782*280
	Weight	(Kg)	68	70

产品线框图 PRODUCT LINE DIAGRAM



DEHUMIDIFIER/TEMPERATURE REGULATING DEHUMIDIFIER

除湿机/调温除湿机



产品介绍 PRODUCT INTRODUCTION

调温除湿机是集制冷降温、除湿、加热、三合一的控温除湿设备，SX 系列调温除湿机组是本公司在吸收国内外众多最新设计成果的基础上，结合自身技术自行开发设计的又一品质优良产品，它主要适用于对空气温度及湿度品质要求较高的室内环境;该机组有多种型号可选择，目前广泛应用于：实验室、车间、档案馆、博物馆、银行金库、生物制药、仓库、资料库、机房、手术室等各种对温度和湿度要求比较高的场所。

工业除湿机系列除湿机除湿范围广、风力强劲、出风平稳、噪音低、控制精确。广泛应用于别墅、地下室、酒店、高档写字楼、大型商超、度假村、仓库、人防工程等对湿度有精确要求。

The temperature control dehumidifier is a temperature control and dehumidification equipment that integrates refrigeration, cooling, dehumidification, heating, and three in one. The SX series temperature control and dehumidification unit is another high-quality product developed and designed by our company based on absorbing many of the latest design achievements at home and abroad, combined with our own technology. It is mainly suitable for indoor environments with high requirements for air temperature and humidity quality; This unit has multiple models to choose from and is currently widely used in various places with high temperature and humidity requirements, such as laboratories, workshops, archives, museums, bank vaults, biopharmaceuticals, warehouses, databases, computer rooms, operating rooms, etc.

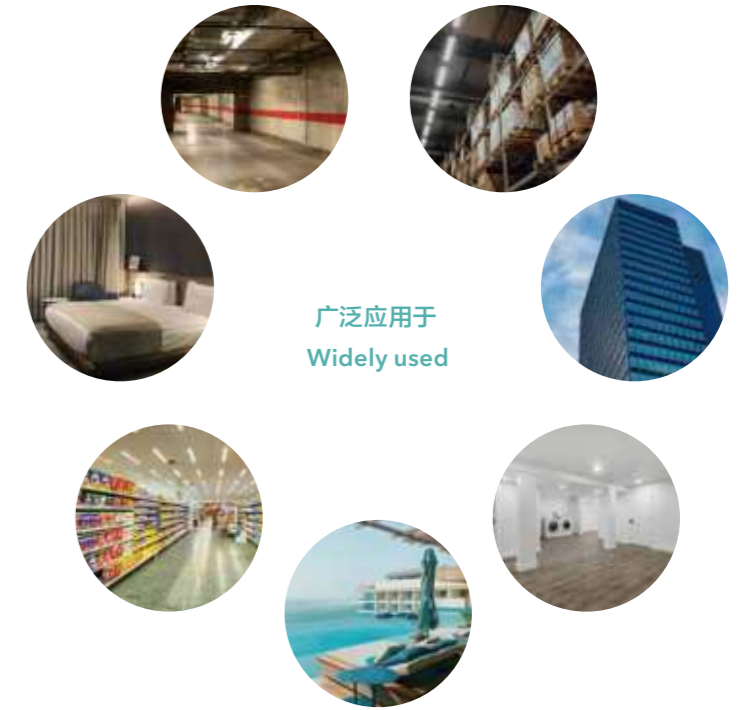
The industrial dehumidifier series dehumidifier has a wide dehumidification range, strong wind power, stable air output, low noise, and precise control. Widely used in villas, basements, hotels, high-end office buildings, large supermarkets, resorts, warehouses, civil defense projects, etc. with precise humidity requirements.

应用场景 APPLICATION

广泛应用于别墅、地下室、酒店、高档写字楼、大型商超、度假村、仓库、人防工程等对湿度有精确要求的场所。

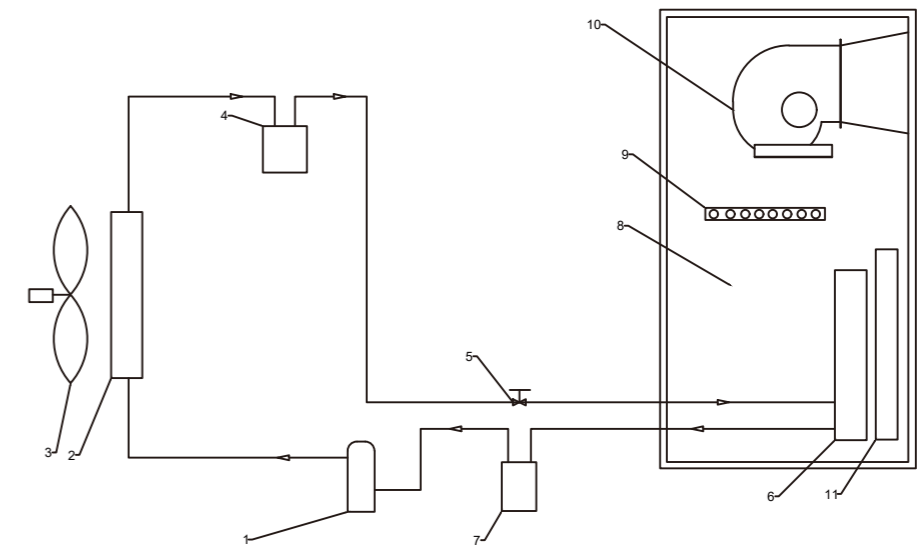
Widely used in villas, basements, hotels, high-end office buildings, large supermarkets, resorts, warehouses, civil air defense projects and other places with accurate humidity requirements.

- 除湿范围广 Large Dehumidification
- 风力强劲 Strong Wind Power
- 出风平稳 Stable Air Output
- 噪声低 Low Noise
- 控制精确 Precise Control



广泛应用于 Widely used

产品原理 PRODUCT PRINCIPLE

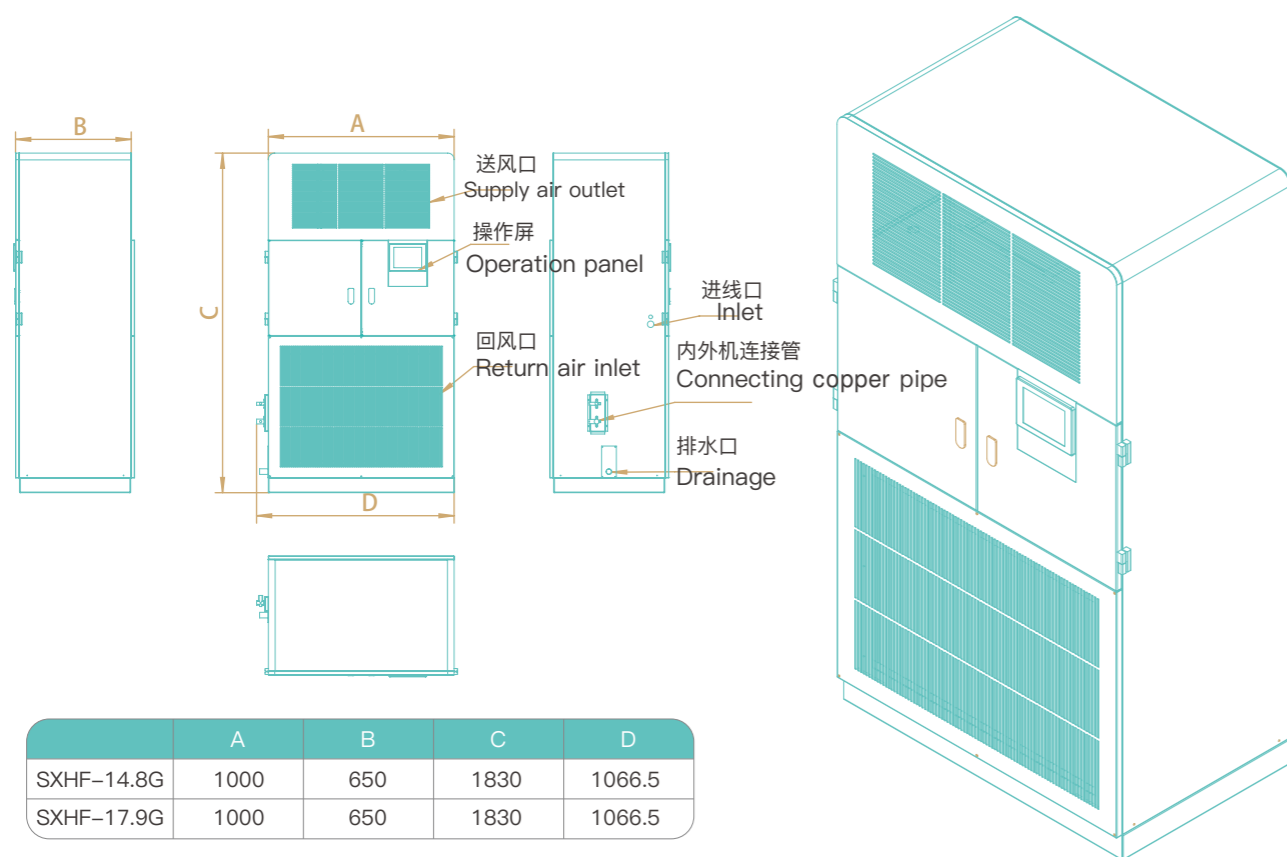
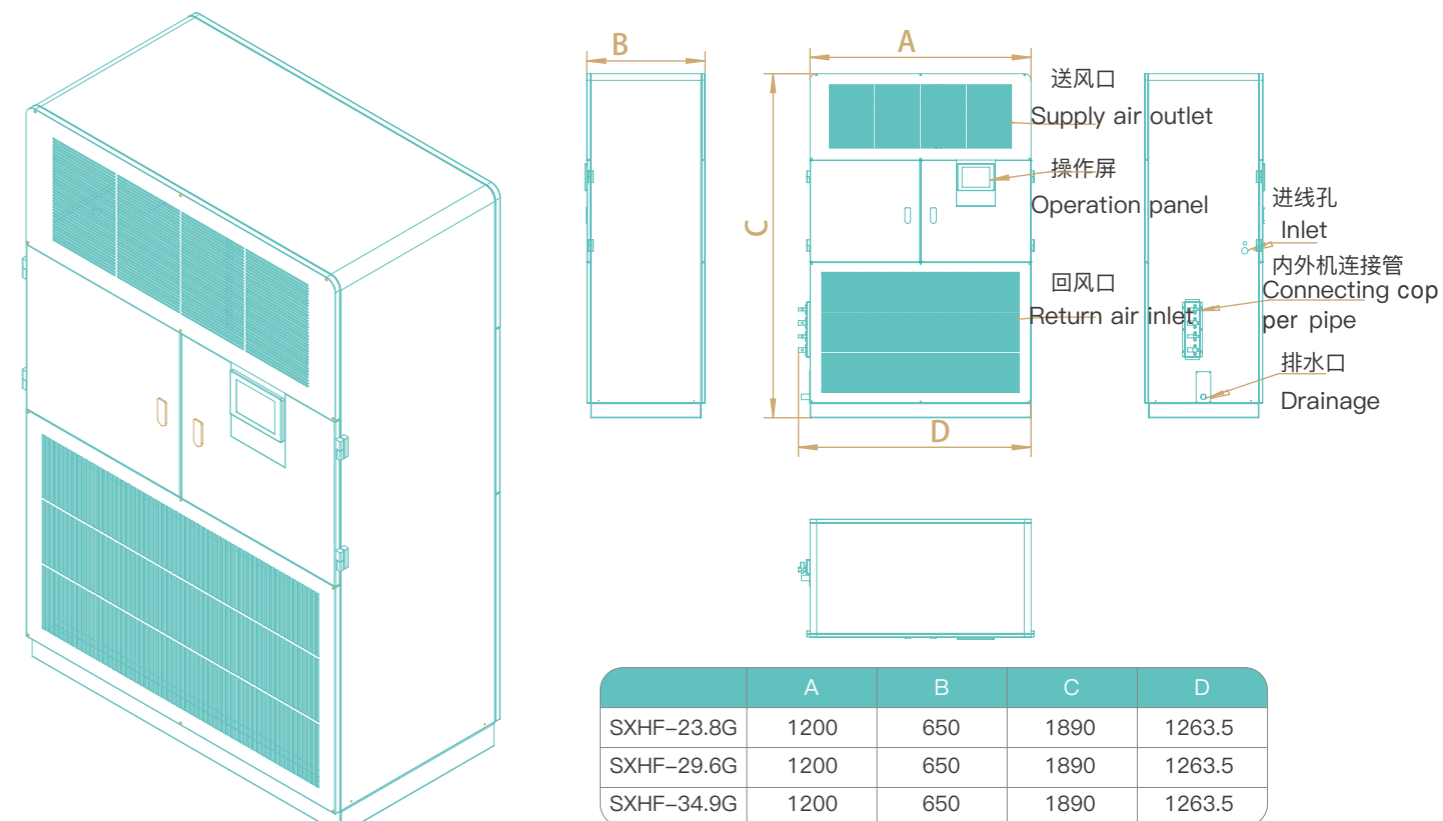
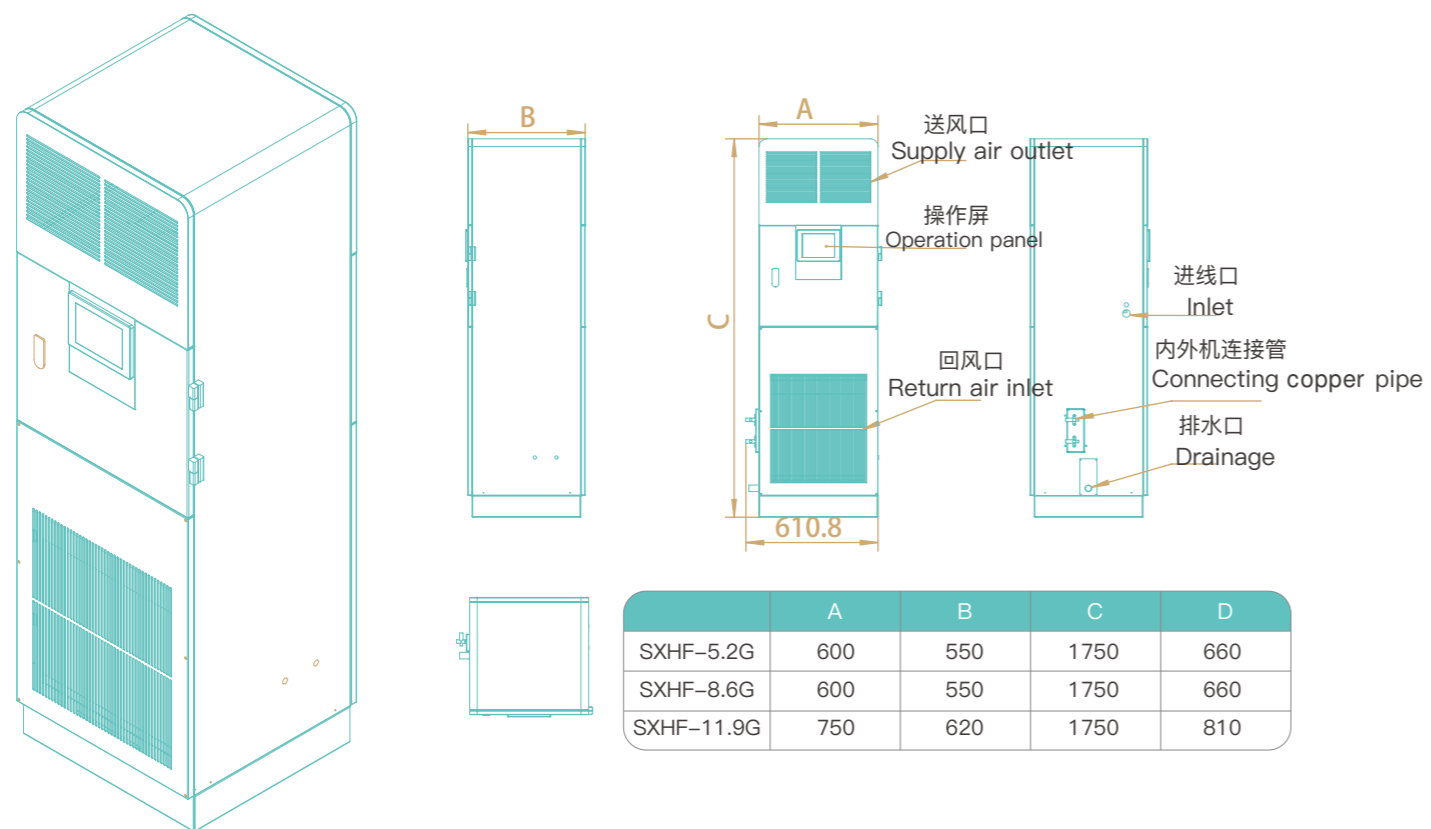


- 1: 压缩机 Compressor
- 2: 冷凝器 Condenser
- 3: 冷凝风扇 Condenser Fan
- 4: 储液罐 Fluid Reservoir
- 5: 膨胀阀 Expansion Valve
- 6: 蒸发器 Evaporator
- 7: 汽液分离器 Vapor liquid Separator
- 8: 加湿器 Humidifier
- 9: 加热器 Heater
- 10: 送风机 Supply Air Fan
- 11: 过滤网 Filter

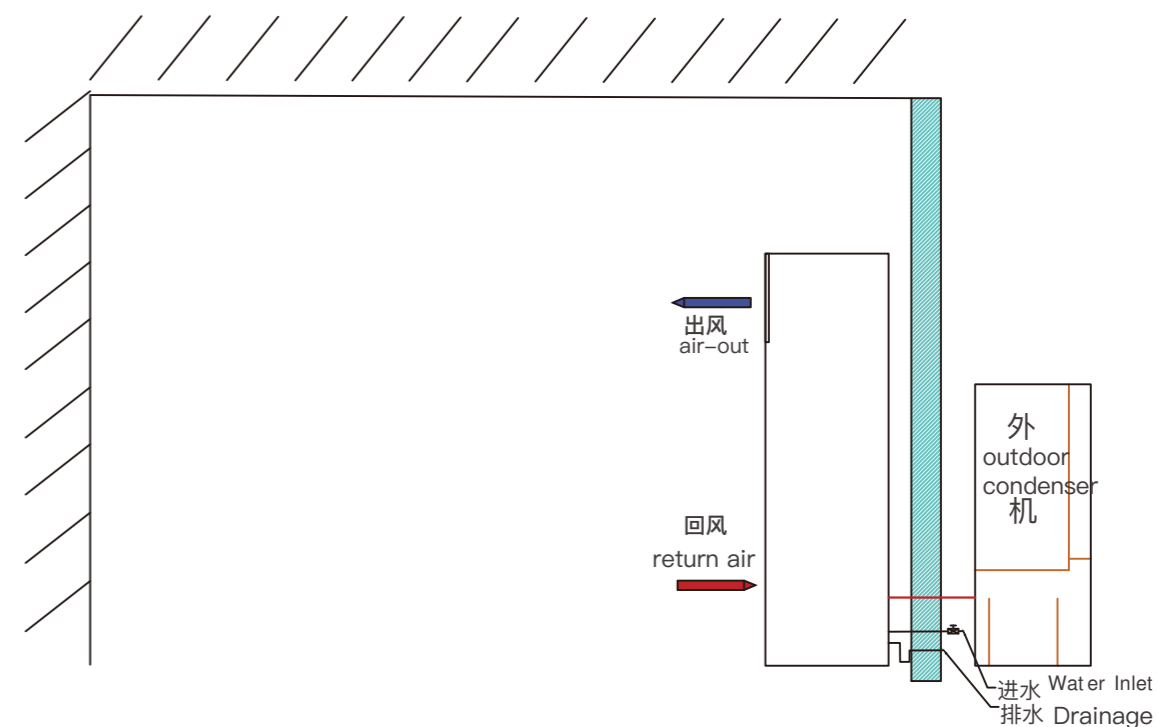
Characteristics	Model	Unit	SXTW-5.2G	SXTW-8.6G	SXTW-11.9G	SXTW-14.8G
	HP	HP	2	3	4	5
	Cooling Capacity	kw	5.2	8.6	11.9	14.8
	Heating Capacity	kw	2.2	4.8	7.5	9.5
	Application Area	m ²	10-15	20-28	30-36	40-45
	Circulating Air	(m3) / h	1200	1500	2000	2500
	External Pressure	Pa	60	80	80	120
	Indoor Noise	dB(A)	50	52	55	56
	Temperature & Humidity Range	12-40°C ± 1°C ; 40-75% ± 5%				
Cooling	Refrigerant		R22 (Default) /R410A(Optional)			
	Injected Volume	kg	2.2	2.8	3.3	4.5
Compressor	Brand		Panasonic			
	Type		Enclosed rotor		Scroll	
	Liquid/gas (mm)	Φ	9.52 / 15.88	9.52 / 15.88	12.7 / 19.05	12.7 / 19.1
	Heat exchange type		Aluminum Foil Sheet for Hydrophilic Sleeve			
	Power (KW)		1.8	2.6	3.8	4.6
Heating	Type		PTC Ceramic heater			
	Power	kw	3	3	6	9
Fan	Indoor fan type		Centrifugal fan			
	Outdoor fan type		Axial fan			
Control System	Sensor		SENSIRION			
	PLC		PLC with touch screen			
	AC contactor		Zhengtai			
	Heat relay		Zhengtai			
Indoor unit power supply			220V / 50HZ	380V / 50HZ	380V / 50HZ	380V / 50HZ
Outdoor unit power supply			220V / 50HZ	380V / 50HZ	380V / 50HZ	380V / 50HZ
Overall Power		kw	5.9	6.2	11	12
Connecting copper		m	10m	10m	10m	15m
Installation vertical height		m	3m	5m	5m	5m
Indoor cable		mm ²	3×4.0mm ²	3×6.0mm ²	5×6.0mm ²	5×6.0mm ²
Outdoor cable		mm ²	3×2.5mm ²	5×2.5mm ²	5×2.5mm ²	5×2.5mm ²
Drainage Pipe		公称	DN20	DN20	DN20	DN20
Signal wire		RVV	6*0.75mm ²	6*0.75mm ²	6*0.75mm ²	6*0.75mm ²
Dimension	Indoor Unit	mm(L*W*H)	600*550*1750	600*550*1750	750*620*1830	1000*650*1830
	Weight	(Kg)	83	95	125	140
	Outdoor Unit	mm(L*W*H)	950*350*840	950*350*840	950*350*1240	950*350*1240
	Weight	(Kg)	78	85	110	130

Characteristics	Model	单位	SXTW-17.9G	SXTW-23.8G	SXTW-29.6G	SXTW-34.9G
	HP	HP	6	8	10	12
	Cooling Capacity	kw	17.9	23.8	29.6	34.9
	Heating Capacity	kw	12	16.4	17.8	21.3
	Application Area	m ²	48-52	55-68	70-85	90-100
	Circulating Air	(m3) / h	3200	4200	4800	6000
	External Pressure	Pa	180	180	200	200
	Indoor Noise	dB(A)	58	62	62	62
	Temperature & Humidity Range	12-40°C ± 1°C ; 40-75% ± 5%				
Cooling	Refrigerant		R22 (Default) /R410A(optional)			
	Injected Volume	kg	4.8	6.6	4.8	4.8
Compressor	Brand		Panasonic			
	Type		Scroll compressor			
	Liquid/gas (mm)	Φ	12.7 / 19.1	12.7 / 19.1*2set	12.7 / 19.1*2set	12.7 / 19.1*2set
	Heat exchange type		Aluminum Foil Sheet for Hydrophilic Sleeve			
	Power (KW)		6.2	3.8*2	4.6*2	6.2*2
Heating	Type					
	Power	kw	9	12	18	18
Fan	Indoor fan type		Centrifugal fan			
	Outdoor fan type		Axial fan			
Control System	Sensor		SENSIRION			
	PLC		PLC with touch screen			
	AC contactor		Zhengtai			
	Heat relay		Zhengtai			
Indoor unit power supply			380V / 50HZ	380V / 50HZ	380V / 50HZ	380V / 50HZ
Outdoor unit power supply			380V / 50HZ	380V / 50HZ	380V / 50HZ	380V / 50HZ
Overall Power		kw	15	18	24	31
Connecting copper		m	20m	20m	20m	20m
Installation vertical height		m	8m	8m	8m	8m
Indoor cable		mm ²	5×6mm ²	5×10mm ²	5×10mm ²	5×10mm ²
Outdoor cable		mm ²	5×4mm ²	5×2.5mm ² *2	5×2.5mm ² *2	5×4mm ² *2
Drainage Pipe		公称	DN20	DN32	DN32	DN32
Signal wire		RVV	6*0.75mm ²	6*0.75mm ² *2	6*0.75mm ² *2	6*0.75mm ² *2
Dimension	Indoor Unit	mm(L*W*H)	1000*650*1830	1200*650*1890	1200*650*1890	1200*650*1890
	Weight	(Kg)	180	280	295	310
	Outdoor Unit	mm(L*W*H)	1000*860*960	950*350*1240*2套	950*350*1240*2套	1000*860*960*2套
	Weight	(Kg)	160	266	278	296

产品线框图 PRODUCT LINE DIAGRAM



安装方式 INSTALLATION METHOD



HUMIDIFIER

加湿机

Imported polymer fiber hydrophilic membrane
进口高分子纤维亲水膜

Quick water absorption, no odor after long-term use
吸水快，长期使用无异味

Delayed drying of wet film blocks
延时吹干湿膜膜块

Quick water absorption, no odor after long-term use
保护使用寿命



Turbo bidirectional waterproof fan
涡轮双向防水风机

Low noise during humidification work
加湿工作低噪音

Wide angle air supply surface
大广角送风面

Significantly increase the volume of air supply and improve humidification efficiency
大幅提升送风体积，提高加湿效率

产品介绍 PRODUCT INTRODUCTION

松幸湿膜加湿器系列精选专用湿膜材料，具备吸水性极佳、抗菌防霉等优点，加湿工作时洁净无噪音，对空气有洗涤、过滤作用，沁润空间，洁净无“白雾”。

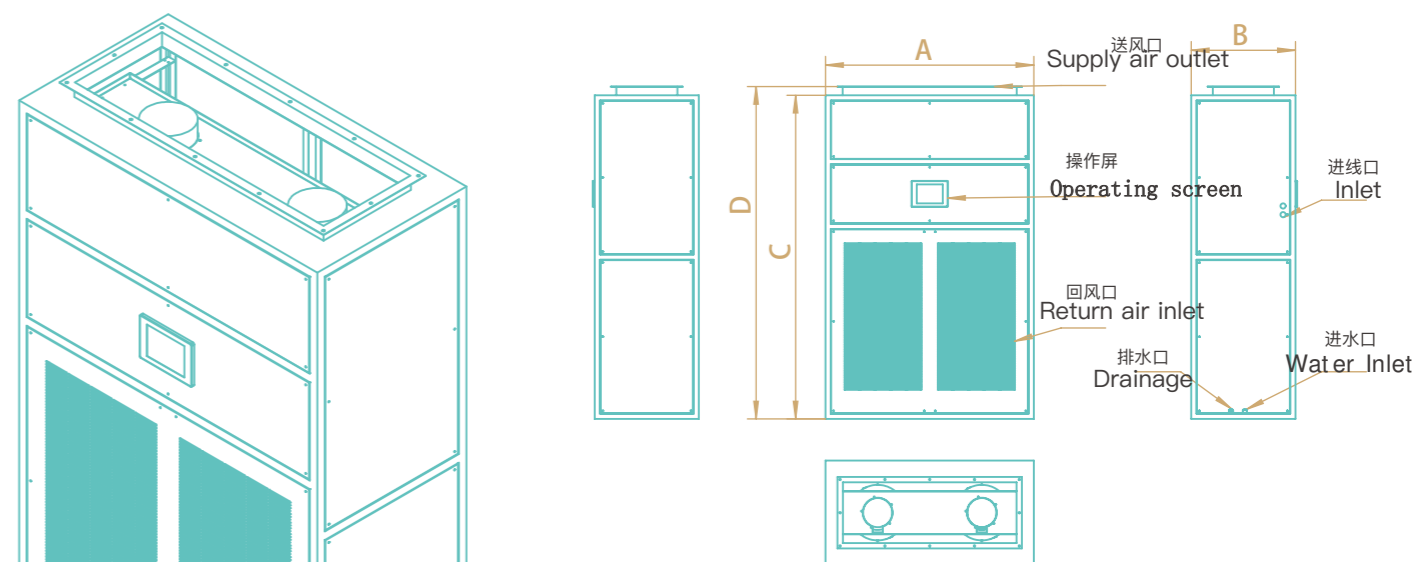
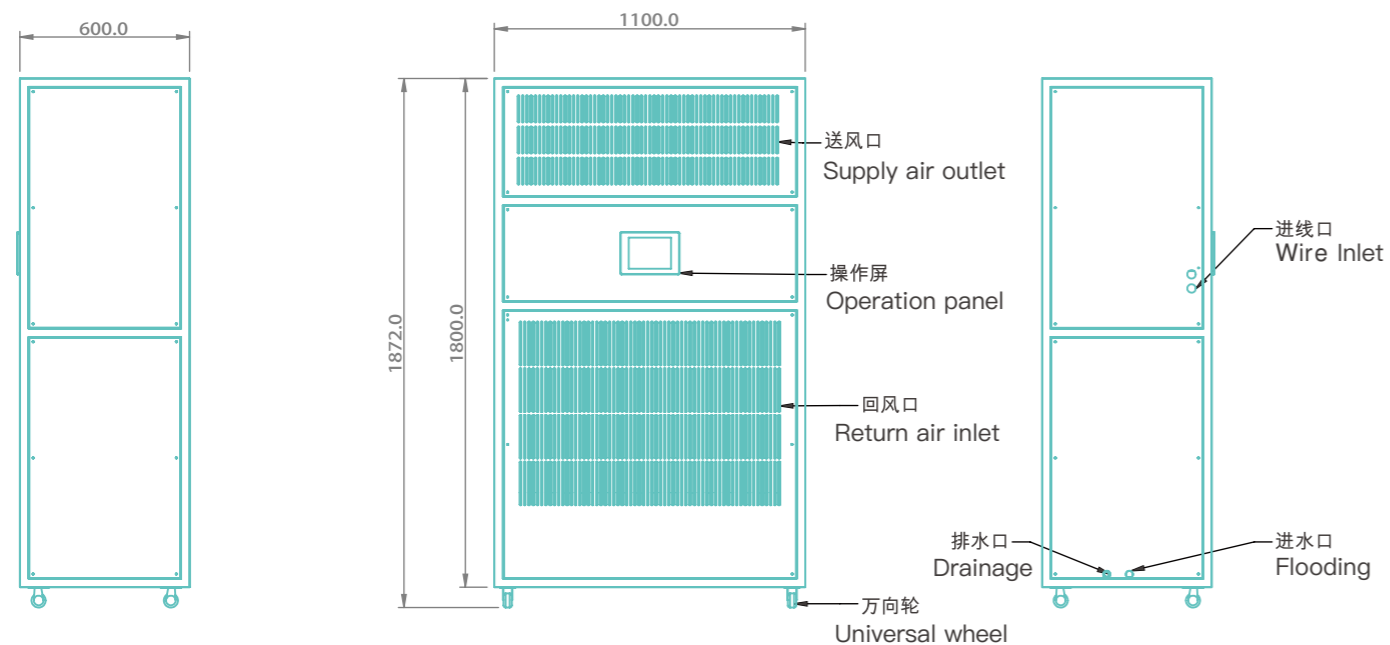
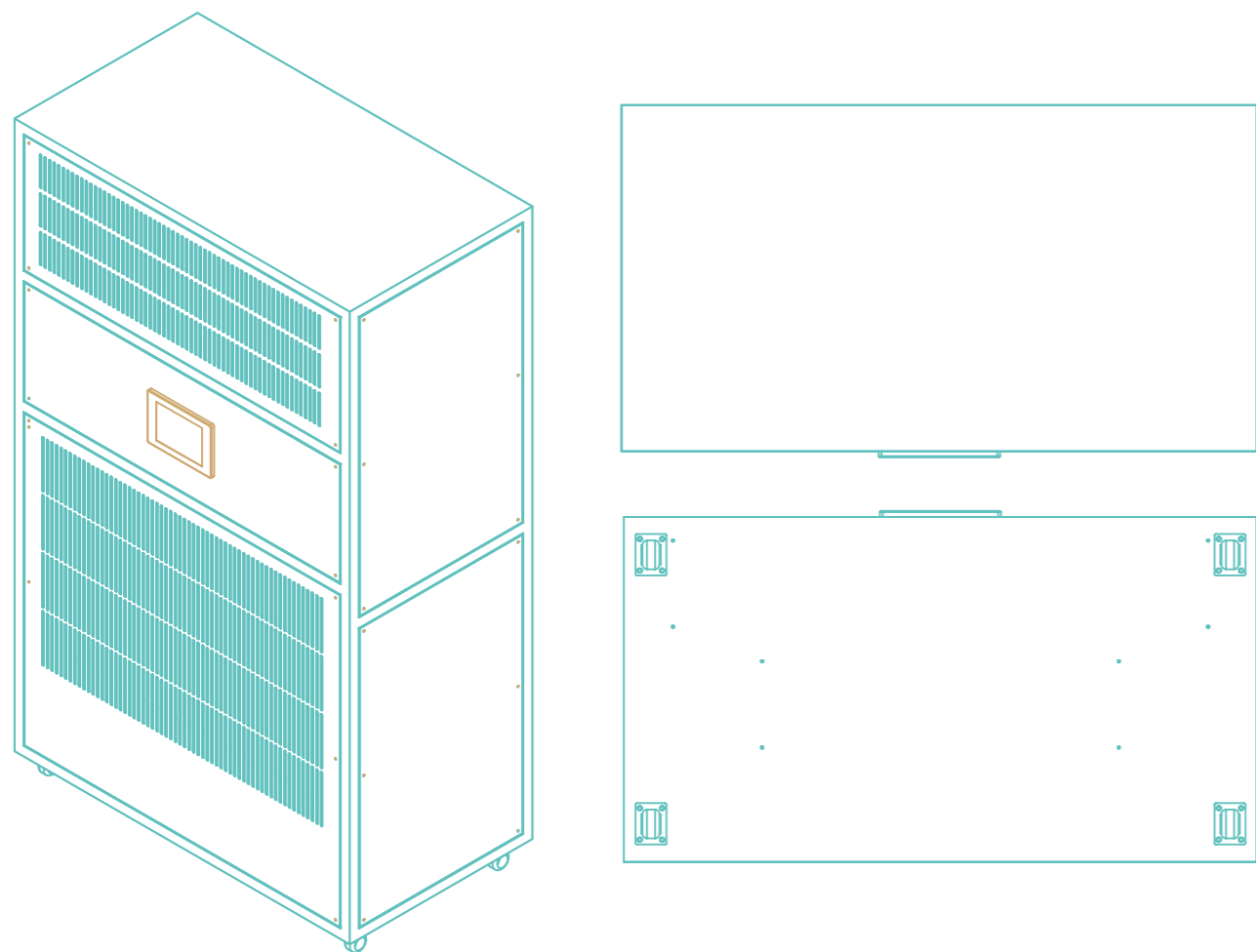
The Sunchine wet film humidifier series selects specialized wet film materials, which have excellent water absorption, anti bacterial and anti mold advantages. When humidified, it is clean and noise free, has a washing and filtering effect on the air, moistens the space, and is clean without "white mist".

产品特性 PRODUCT FEATURE

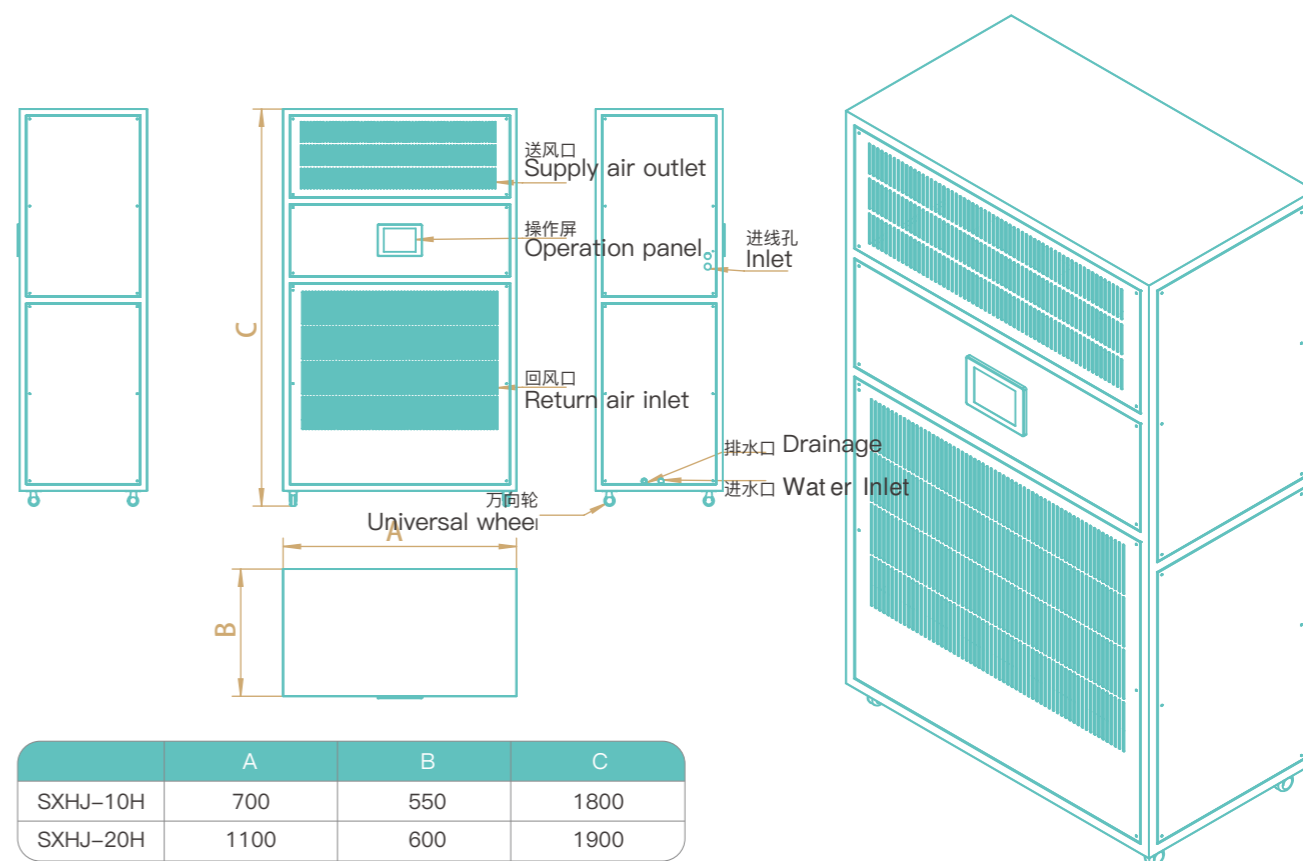
高效雾化 Efficient atomization	智能控制 Intelligent control	自动补水 Automatic water replenishment	内置水箱 Built in water tank	精准控温 Accurate temperature control	故障自检 Fault self check
缺水保护 Water shortage protection	溢水保护 Overflow protection	静音设计 Silent design	安全防护 Safety protection	断电记忆 Power outage memory	便捷安装 Convenient installation

	Model	Unit	SXHJ-10H	SXHJ-20S
Unit Characteristics	Humidification Capacity	kg/h	10	20
	Circulating Air	(m ³)/h	2800	5400
	External pressure	Pa	50	80
	Indoor Unit Noise	dB(A)	50	50
	Humidity Range			RH30~90%
Humidify	Type		Wet film	Wet film
	Humidification Volume	kg/h	10	20
	Water inlet way		Manual /Automatic	Manual /Automatic
Fan	Fan Type		Centrifugal fan	Centrifugal fan
Control	Type		PLC/PCB (optional)	PLC/PCB (optional)
	Communication		modbus485 (optional)	modbus485 (optional)
Filter	Primary efficiency (default) High Efficient/PHHI (optional)		Primary efficiency (default) High Efficient/PHHI (optional)	
Overall Unit Power	0.7KW		1.3KW	
Power Supply	380V/50HZ		380V/50HZ	
Dimension	(L*W*H) (mm)		700*550*1800mm	1100*600*1900mm
Weight	kg		70	100

产品线框图 PRODUCT LINE DIAGRAM



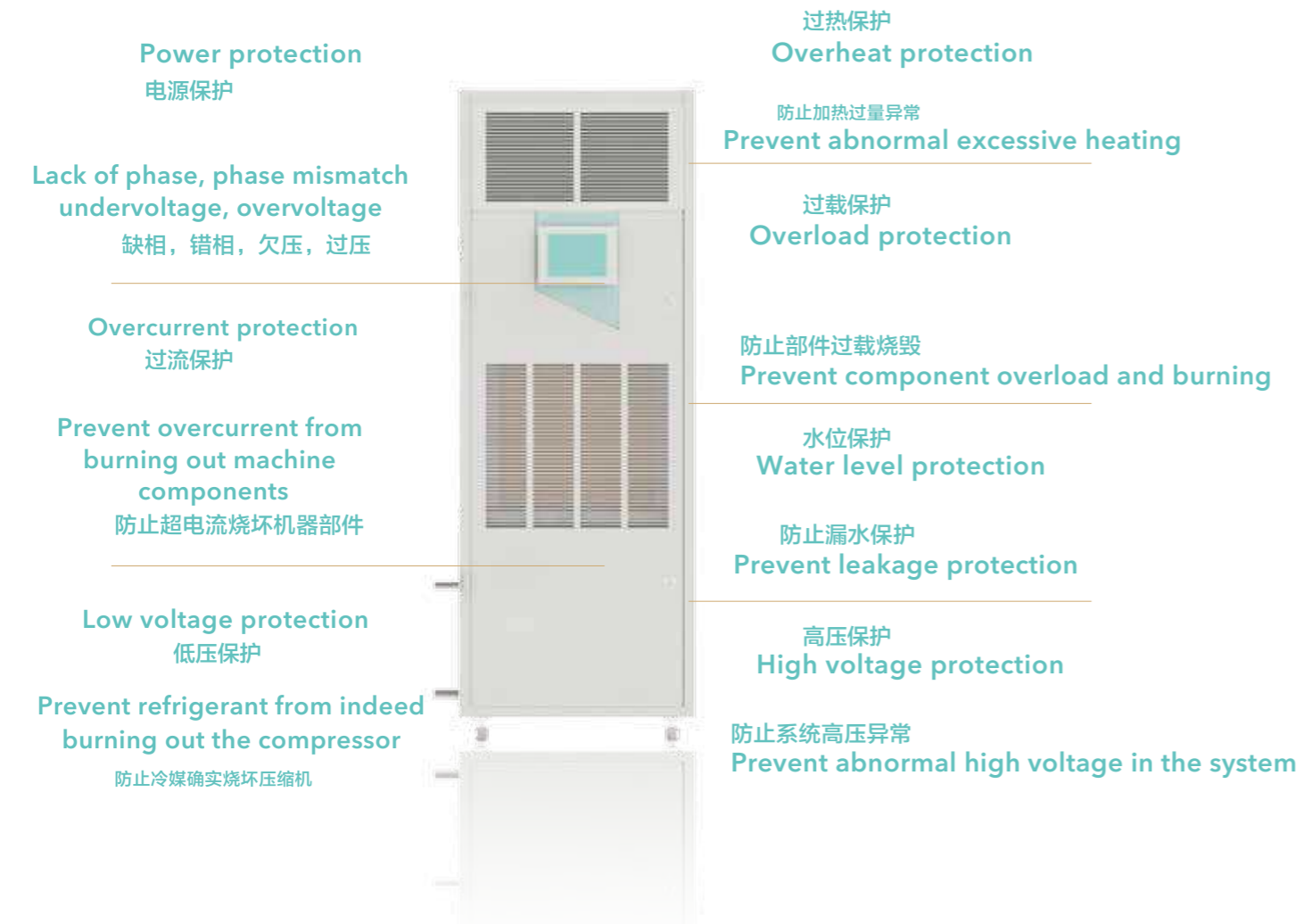
	A	B	C	D
SXHJ-10H	700	550	1800	1850
SXHJ-20H	1100	600	1900	1950



	A	B	C
SXHJ-10H	700	550	1800
SXHJ-20H	1100	600	1900

CONSTANT HUMIDITY DEHUMIDIFIER

恒湿机



产品介绍 PRODUCT INTRODUCTION

恒湿机是集除湿、加湿、空气净化于一体的湿度专用控制设备;其通过压缩制冷除湿, 湿膜加湿由其控制系统进行集中控制, 以达湿度之控制要求。它主要适用于对湿度品质要求较高的环境; 该机组有多种型号可选择, 目前广泛应用于: 计算机机房、电子车间、档案馆、资料室、通信机房、机电设备房、仪器仓库、博物馆、银行金库、税务局、仓库、资料库等各种对湿度有精准要求的场所。

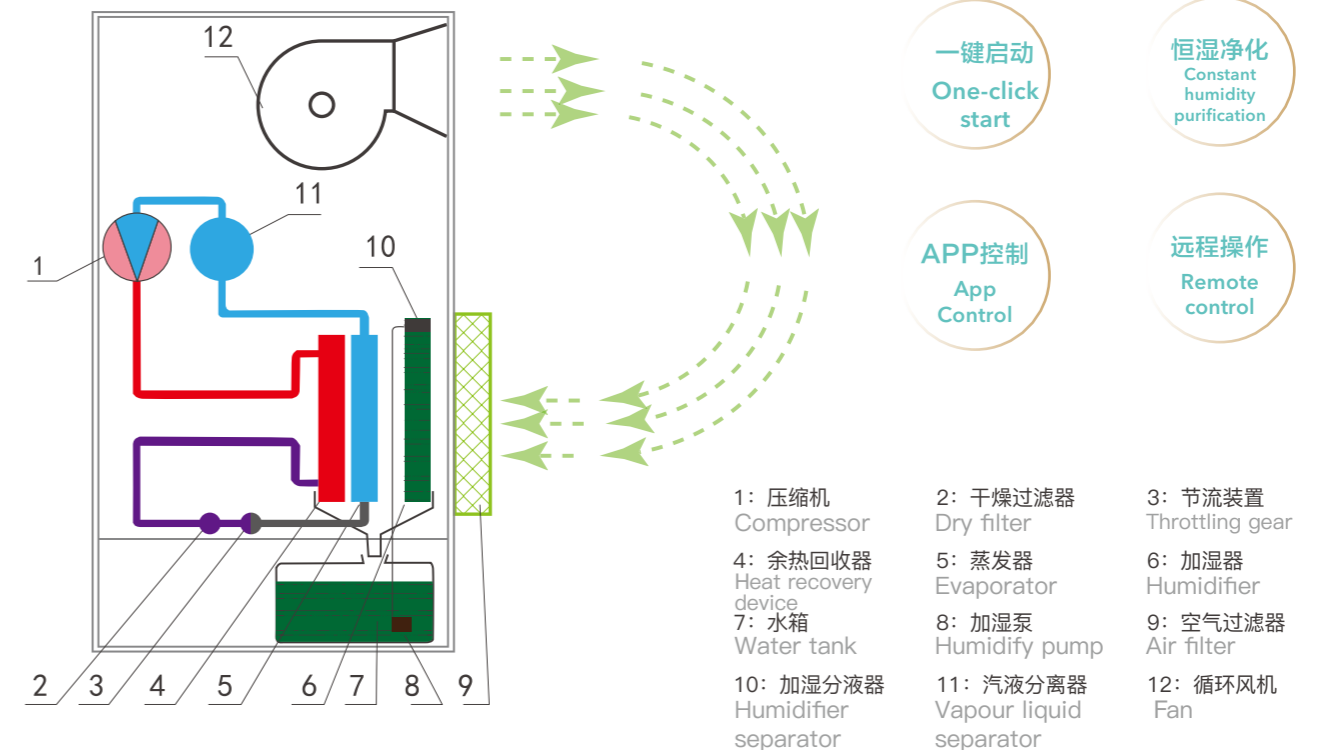
A constant humidity machine is a humidity control device that integrates dehumidification, humidification, and air purification; It achieves humidity control requirements through compression refrigeration dehumidification and centralized control of wet film humidification by its control system. It is mainly suitable for environments with high humidity quality requirements; This unit has multiple models to choose from and is currently widely used in various places with precise humidity requirements, such as computer rooms, electronic workshops, archives, data rooms, communication rooms, mechanical and electrical equipment rooms, instrument warehouses, museums, bank vaults, tax bureaus, warehouses, databases, etc.

产品特点 PRODUCT FEATURES

- 小风量、大水量设计
Design for low wind volume and high water volume
- PLC/微电脑控制 (可选)
PLC/microcomputer control (optional)
- 故障自诊、自动停机保护、检修方便
Fault self diagnosis, automatic shutdown protection, convenient maintenance
- 可手机APP远程操控
Remote control via mobile app
- 国际品质元器件、高品质更耐用
International quality components, high-quality and more durable
- 蒂芙尼蓝高级色系、美观大气
Tiffany Blue Premium Color Series, Beautiful and Elegant
- 湿膜加湿更节能
Wet film humidification is more energy-efficient
- 框架设计、结实耐用
Frame design, sturdy and durable
- 能效高、噪声低、净化空气、外观美观且易于维护
High energy efficiency, low noise, clean air, beautiful appearance and easy maintenance

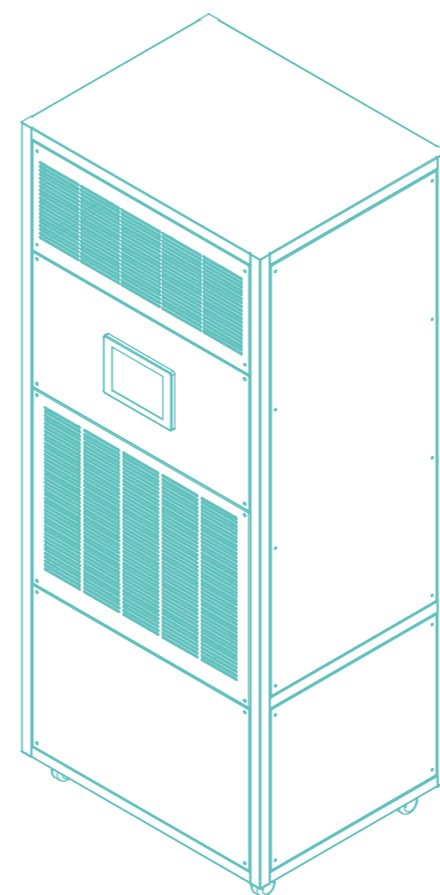


产品原理 PRODUCT PRINCIPLE

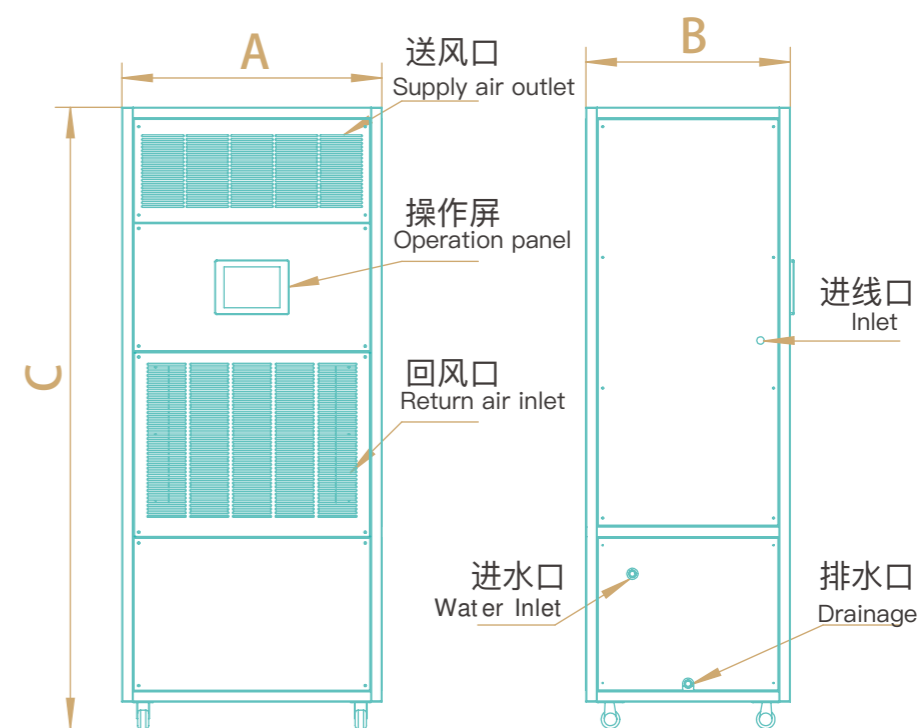
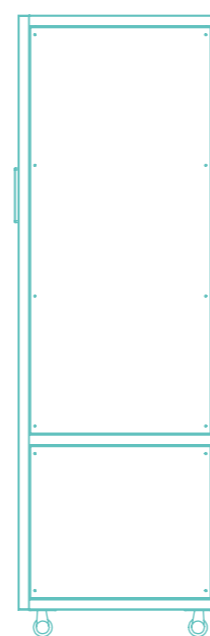


Unit Characteristics	Model	Unit	SXHS-3S	SXHS-6S	SXHS-9S	SXHS-12S
	Dehumidification	kg/h	3.75	5.8	7	10
	Humidification	kg/h	3	6	9	12
	Application	m ²	30~90	90~140	140~170	170~250
	Air Flow	(m3)/h	1200	1500	2000	2400
	Humidity Range		RH40~75% ± 5%			
	Filtering		Primary Plate Filter			
	Water Quality		Soften Purified water			
Cooling	Refrigerant		R22			
	Throttling method		Refrigeration capillaries			
	Injected	Kg	1.5	2.2	2.2	3
Compressor	Brand		Panasonic			
	Type		Enclosure rotor			
	Power	Kw		2.5	2.5	3.8
	Heat exchanger type		Aluminum Foil Sheet for Hydrophilic Sleeve			
Humidify	Type		Wet film			
	Power	Kw	0.06	0.06	0.06	0.06
	Water Inlet way		Automatic/manual (outside big tank available)			
	Built-in Tank (L)		38	45	53	60
Fan	Indoor Fan		High efficiency centrifugal fan			
	Purification module		Primary efficiency (default) /Phot ohydrogen Ion Generator / Negative Ion / UV Ultraviolet Ray			
Control System	Method		PCB (default) /PLC/RS485 communication/APP (optional)			
Power Supply			220V/50HZ	380V/50HZ	380V/50HZ	380V/50HZ
Overall Unit Power (KW)			1.95	2.4	2.5	4.3
Dimension	L*W*H) (mm)		600*550*1670	600*550*1670	708*560*1875	720*580*1878
Weight			120	160	180	220

产品线框图 PRODUCT LINE DIAGRAM



	A	B	C
SXHS-3S	600	550	1670
SXHS-6S	600	550	1670
SXHS-9S	708	560	1875
SXHS-12S	720	580	1878



CONSTANT TEMPERATURE AND HUMIDITY AIR CONDITIONER

恒温恒湿机

圆弧形、无螺丝设计、美观大方

Circular arc shape, screw free design, beautiful and generous appearance

采用PLC控制系统，更为稳定方便

Adopting a PLC control system, the system control is more stable and convenient.



自主研发控制程序，PID算法，控制精度更高。

Independently developed control program, PID algorithm, with higher control accuracy.

采用最新研发变频技术，更节能

Adopting the latest research and development frequency conversion technology, more energy-efficient

一键启动、操作简单、易安装

One click start, simple operation, easy installation

故障自诊、自动停机保护、检修方便

Fault self diagnosis, automatic shutdown protection, convenient maintenance

可手机APP远程操控

Remote control via mobile app

国际品质元器件、高品质更耐用

International quality components, high-quality and more durable

蒂芙尼蓝高级色系、日式风口设计简洁

Tiffany's premium blue color scheme and simple Japanese style vent design

产品介绍 PRODUCT INTRODUCTION

恒温恒湿机是集制冷降温、除湿、加热、加湿于一体的控温控湿空调设备;其通过冷热正负抵消，湿度中和原则由其控制系统进行集中控制;以达温湿度之控制要求。SX系列恒温恒湿空调机组是本公司在吸收国内外众多最新设计成果的基础上，结合自身技术自行开发设计的又一品质优良产品，它主要适用于对空气温度及湿度品质要求较高的空调环境，该机组有多种型号可选择，目前广泛应用于：实验室、航天工程、烟草行业、生物制药、博物馆、银行金库、酒窖、资料库、机房、净化车间等各种对温度和湿度要求比较高的场所。

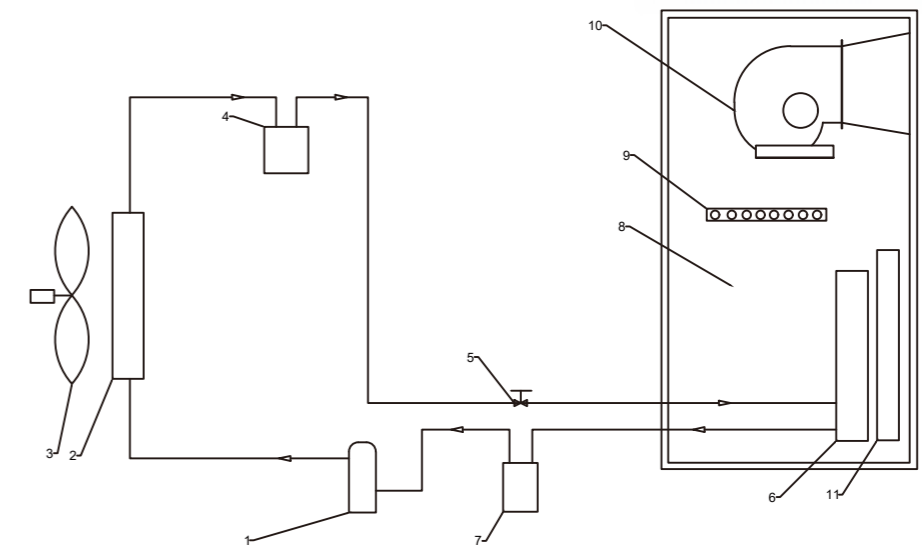
A constant temperature and humidity machine is a controlled temperature and humidity air conditioning equipment that integrates cooling, dehumidification, heating, and humidification; it is centrally controlled by its control system through the principle of positive and negative cancellation of heat and cold, and the principle of humidity neutrality; To meet the control requirements of temperature and humidity. The SX series constant temperature and humidity air conditioning unit is another high-quality product developed and designed by our company based on absorbing numerous latest design achievements at home and abroad, combined with our own technology. It is mainly suitable for air conditioning environments with high requirements for air temperature and humidity quality. There are multiple models to choose from, and it is currently widely used in various places with high temperature and humidity requirements, such as laboratories, aerospace engineering, tobacco industry, biopharmaceuticals, museums, bank vaults, wine cellars, databases, computer rooms, purification workshops, etc.

产品特性 PRODUCT FEATURE

恒温恒湿 Constant temperature and humidity	一键启动 One-click start	全铜制冷管 All copper cooling tube
远程控制 Long-range control	故障自检 Fault self-test	优质压缩机 High quality compressor
PLC智控 Intelligent PLC controller	静音运行 Silent operation	环保冷媒 Environmentally friendly refrigerant
来电自启 Call activation	高效节能 Energy-efficient	整体保温 Integral insulation



产品原理 PRODUCT PRINCIPLE



- | | | | |
|---------------------------|-------------------------|---------------------------------------|---------------------------|
| 1: 压缩机
Compressor | 2: 冷凝器
Condenser | 3: 冷凝风扇
Condenser fan | 4: 储液罐
Fluid reservoir |
| 5: 膨胀阀
Expansion valve | 6: 蒸发器
Evaporator | 7: 汽液分离器
Vapo(u)r liquid separator | 8: 加湿器
Humidifier |
| 9: 加热器
Heater | 10: 送风机
Pressure fan | 11: 过滤网
Sieve | |

应用场景 APPLICATION SCENARIOS

目前广泛应用于:实验室、航天工程、烟草行业、生物制药、博物馆、银行金库、酒窖、资料库、机房、净化车间等各种对温度和湿度要求比较高的场所。

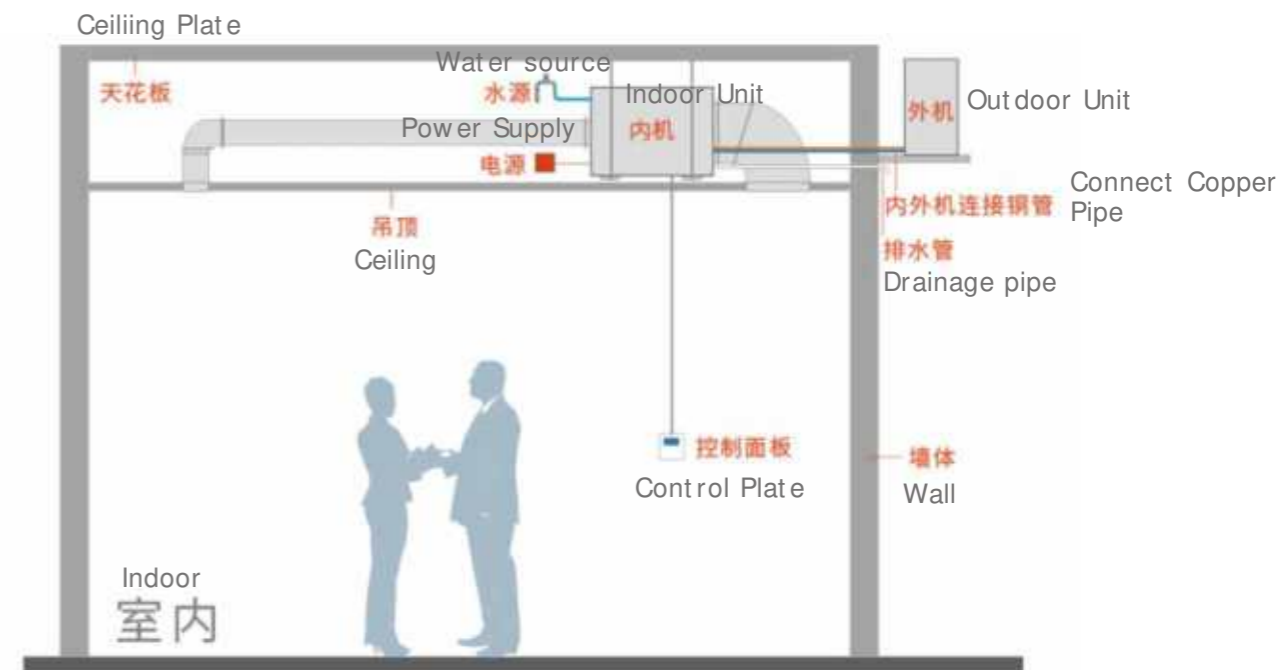
At present, it is widely used in laboratories, aerospace engineering, tobacco industry, biopharmaceutical industry, museums, bank vaults, wine cellars, databases, computer rooms, purification workshops and other places with high temperature and humidity requirements.



安装示意图 INSTALLATION INSTRUCTION

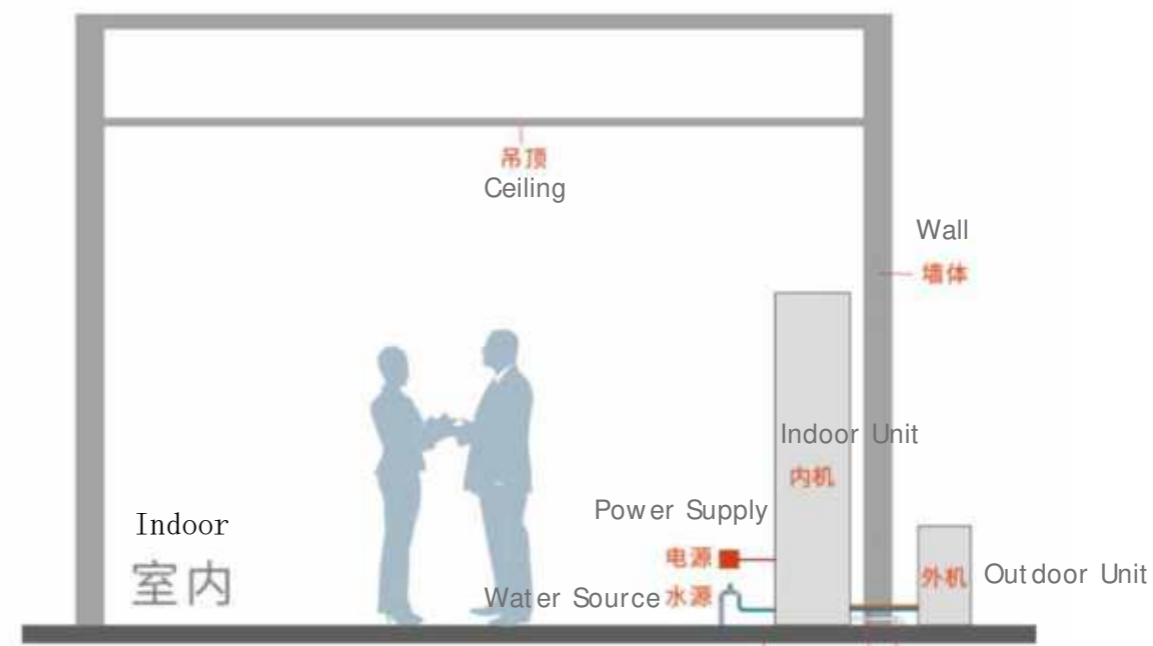
吊顶式、壁挂式或者接通管道时的安装示意图如下

The installation diagram of the suspended ceiling, wall mounted or connected pipeline is as follows



立柜式安装示意图如下

The installation diagram of vertical cabinet is as follows



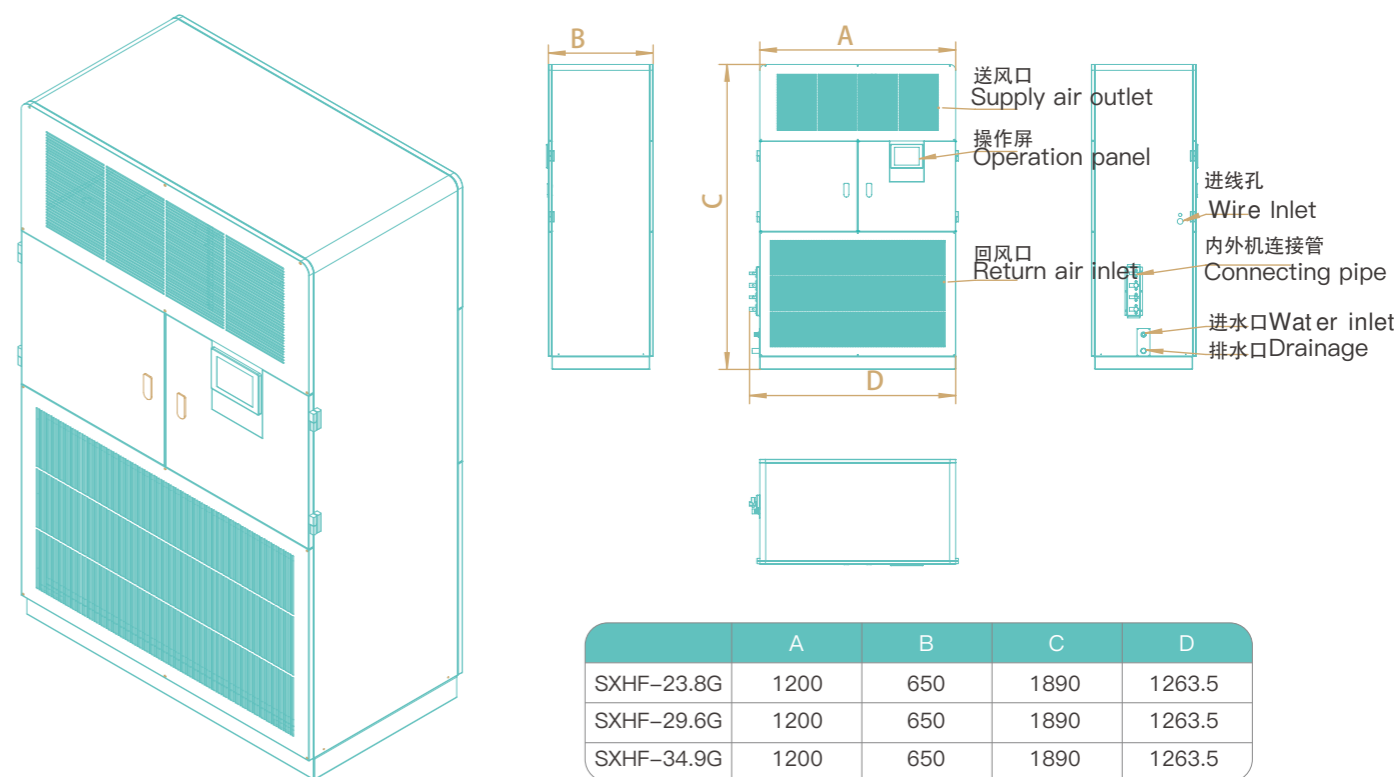
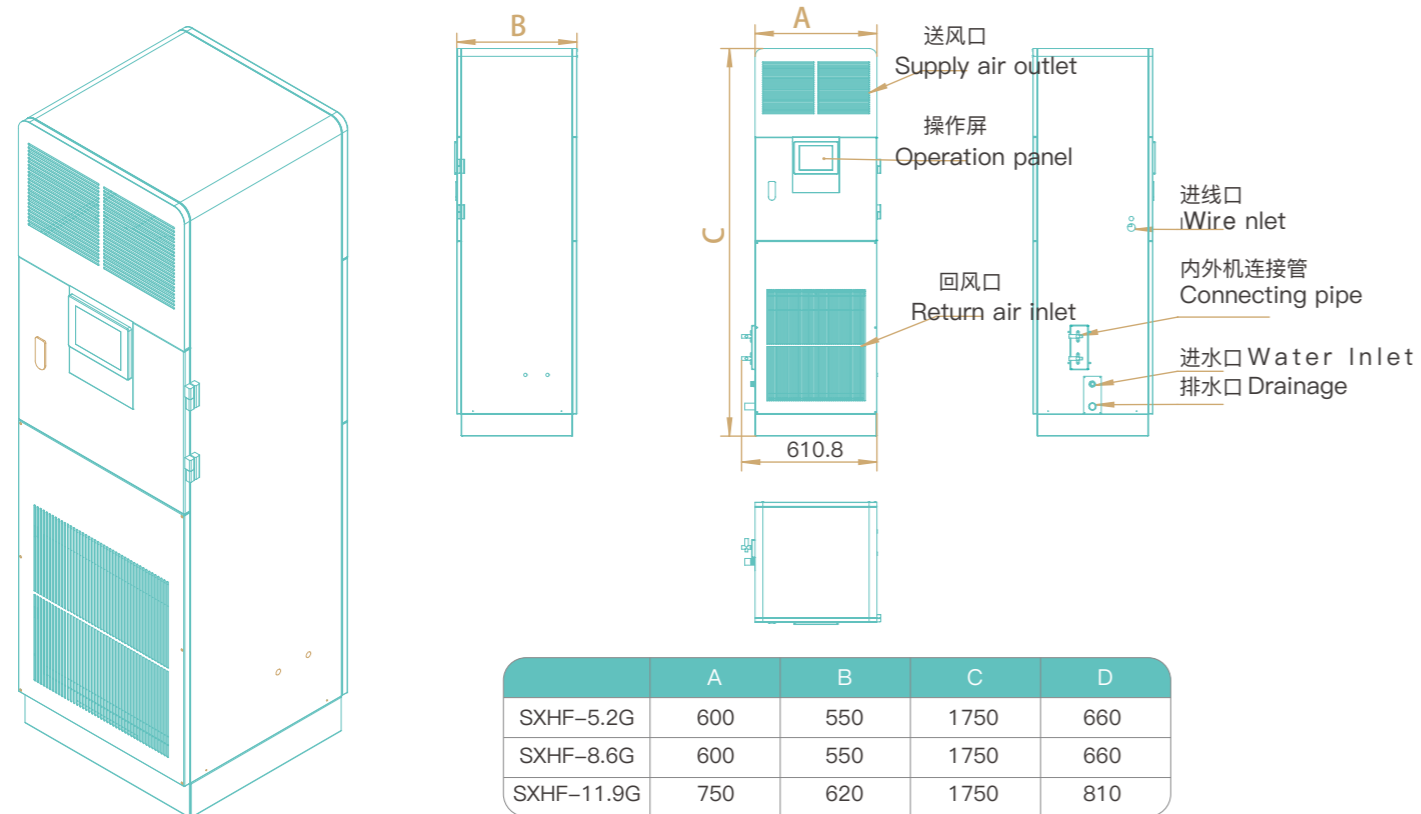
Cabinet AC	MODEL	UNIT	SXHF-5.2G	SXHF-8.6C	SXHF-11.9C	SXHF-14.8C
Units Characteristics	HP	HP	2	3	4	5
	Cooling Capacity	kw	5.2	8.6	11.9	14.8
	Heating Capacity	kw	2.2	4.8	7.5	9.5
	Application Area	m ²	10-15	20-28	30-36	40-45
	Circulating Air	(m ³) / h	1200	1500	2000	2500
	External Pressure	Pa	60	80	80	120
	Indoor Noise	dB(A)	50	52	55	56
	Temperature & Humidity Range	8-40 C ±1 C ; 40-75%±5%				
	Cooling	Refrigerant	R22			
Injected Volume		kg	2.2	2.8	3.3	4.5
Compressor	Brand	Panasonic				
	Type	Enclosure rotor compressor		Scroll compressor		
	Liquid/ Gas	Φ	9.52 / 15.88	9.52 / 15.88	12.7 / 19.05	12.7 / 19.1
	Heat exchanger type	Aluminum Foil Sheet for Hydrophilic Sleeve				
	Power (KW)		1.8	2.6	3.8	4.6
Heating	Type	PTC Ceramic plate				
	Power (KW)		3	3	6	9
Humidification	Type	Electrode humidity				
	Humidification	kg/h	2	2	3	3
	Power (KW)		2.2	2.2	4.5	4.5
Fan	Indoor Fan	Centrifugal Fan				
	Outdoor Fan	Axial Fan				
Control System	Sensor	SENSIRION				
	PLC	PLC with screen				
	AC Contactor	Zheng tai				
	Heat relay	Zheng tai				
Indoor Unit Power Supply			220V / 50HZ	380V / 50HZ	380V / 50HZ	380V / 50HZ
Outdoor Unit Power Supply			220V / 50HZ	380V / 50HZ	380V / 50HZ	380V / 50HZ
Overall Unit Power	kw		5.9	9.3	16.5	18.3
Connecting copper length ≤	m		10m	10m	10m	15m
Installation vertical height ≤	m		3m	5m	5m	5m
Indoor cable spec	mm ²		3×6.0mm ²	3×6.0mm ²	5×10mm ²	5×10mm ²
Outdoor cable spec	mm ²		3×2.5mm ²	5×2.5mm ²	5×2.5mm ²	5×2.5mm ²
Water inlet diameter	公称		DN15	DN15	DN15	DN15
Drainage diameter	公称		DN20	DN20	DN20	DN20
Signal wire	RVV		6*0.75mm ²	6*0.75mm ²	6*0.75mm ²	6*0.75mm ²
Dimension	Indoor Unit	mm(L*W*H)	600*550*1750mm	600*550*1750mm	750*620*1830mm	1000*650*1830mm
	Weight	(Kg)	83	95	125	140
	Outdoor Unit	mm(L*W*H)	950*350*840mm	950*350*840mm	950*350*1240mm	950*350*1240mm
	Weight	(Kg)	78	85	110	130

	MODEL	UNIT	SXHF-17.9G	SXHF-23.8G	SXHF-29.6G	SXHF-34.9G
Units Characteristics	HP	HP	6	8	10	12
	Cooling Capacity	kw	17.9	23.8	29.6	34.9
	Heating Capacity	kw	12	16.4	17.8	21.3
	Application Area	m ²	48-52	55-68	70-85	90-100
	Circulating Air	(m ³) / h	3200	4200	4800	6000
	External Pressure	Pa	180	180	200	200
	Indoor Noise	dB(A)	58	62	62	62
	Temperature & Humidity Range	8-40 C ±1 C ; 40-75%±5%				
	Cooling	Refrigerant	R22			
Injected Volume		kg	4.8	4.8	4.8	4.8
Compressor	Brand	panasonic (日本松下)				
	Type	Scroll compressor				
	Liquid/ Gas	Φ	12.7 / 19.1	12.7/19.1*2套	12.7/19.1*2套	12.7/19.1*2套
	Heat exchanger type	Aluminum Foil Sheet for Hydrophilic Sleeve				
	Power (KW)		6.2	3.8*2	4.6*2	6.2*2
Heating	Type	PTC Ceramic plate				
	Power (KW)		9	12	18	18
Humidification	Type	Electrode humidity				
	Humidification	kg/h	8	16	16	16
	Power (KW)		4.5	6	6	6
Fan	Indoor Fan	Centrifugal Fan				
	Outdoor Fan	Axial Fan				
Control System	Sensor	SENSIRION				
	PLC	PLC with screen				
	AC Contactor	Zheng tai				
	Heat relay	Zheng tai				
Indoor Unit Power Supply			380V / 50HZ	380V / 50HZ	380V / 50HZ	380V / 50HZ
Outdoor Unit Power Supply			380V / 50HZ	380V / 50HZ	380V / 50HZ	380V / 50HZ
Overall Unit Power	kw		19.5	31.2	35.5	38.5
Connecting copper length ≤	m		20m	20m	20m	20m
Installation vertical height ≤	m		8m	8m	8m	8m
Indoor cable spec	mm ²		5×10mm ²	5×25mm ²	5×25mm ²	5×25mm ²
Outdoor cable spec	mm ²		5×2.5mm ²	5×4mm ²	5×4mm ²	5×4mm ²
Water inlet diameter	公称		DN15	DN15	DN15	DN15
Drainage diameter	公称		DN20	DN32	DN32	DN32
Signal wire	RVV		6*0.75mm ²	6*0.75mm ²	6*0.75mm ²	6*0.75mm ²
Dimension	Indoor Unit	mm(L*W*H)	1000*650*1830mm	1200*650*1890mm	1200*650*1890mm	1200*650*1890mm
	Weight	(Kg)	180	280	295	310
	Outdoor Unit	mm(L*W*H)	1000*860*960mm	950*350*1240mm*2套	950*350*1240mm*2套	1000*860*960mm*2套
	Weight	(Kg)	160	266	278	296

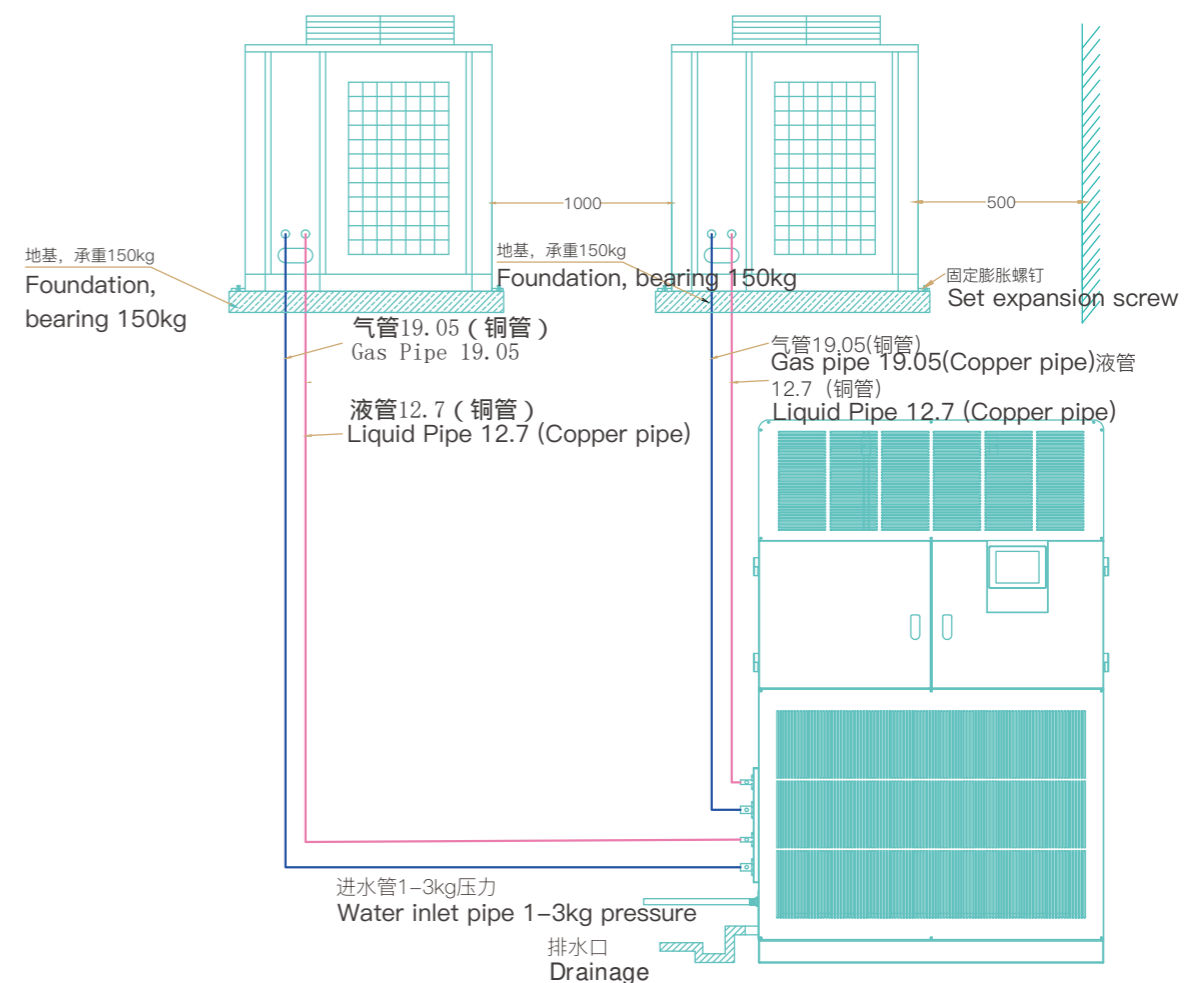
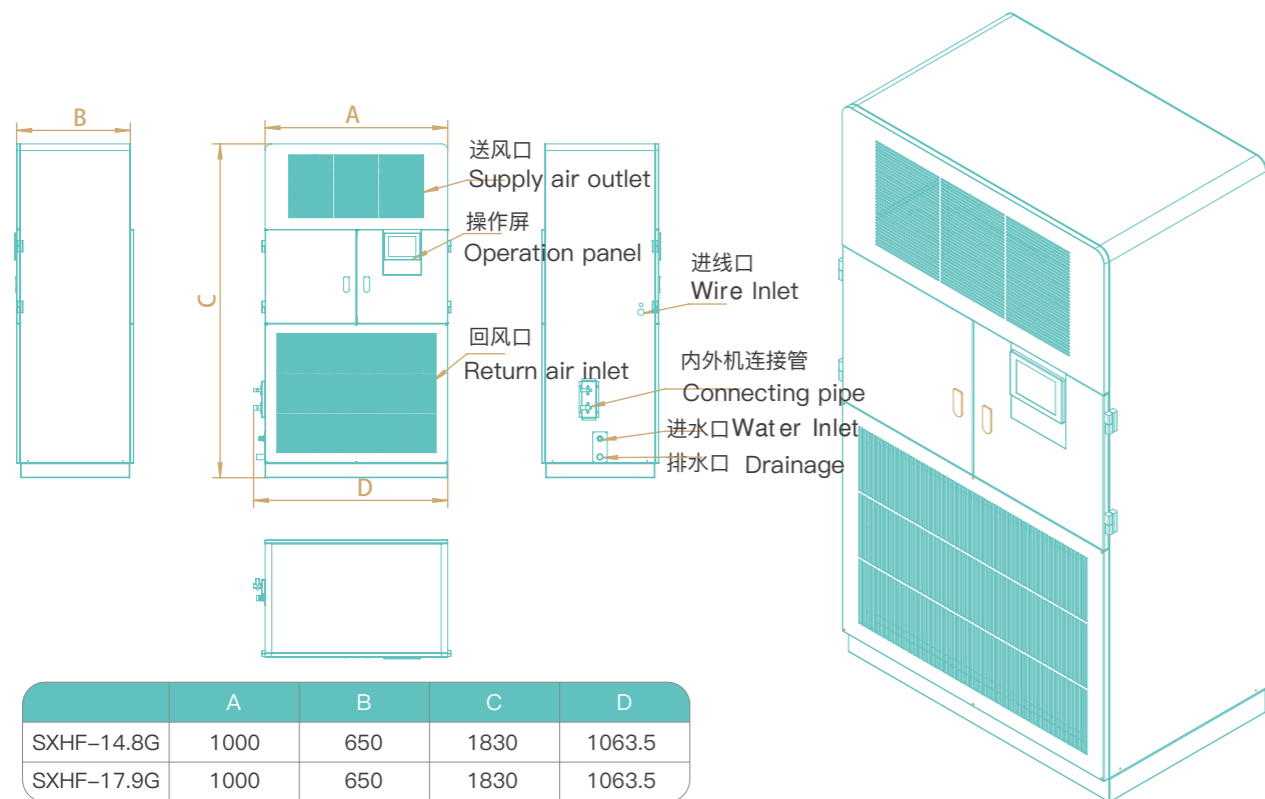
Ceiling Type	MODEL	UNIT	SXHF-5.2D	SXHF-8.6D	SXHF-11.9D	SXHF-14.8D
Unit Characteristic	HP	HP	2	3	4	5
	Cooling	kw	5.2	8.6	11.9	14.8
	Heating	kw	2.2	4.8	7.5	9.5
	Application Area	m ²	10-15	20-28	30-36	40-45
	Circulating Air	(m ³) / h	1200	1500	2000	2500
	External Pressure	Pa	60	80	80	120
	Indoor Noise	dB(A)	50	52	55	56
	Temperature & Humidity Range	8-40 C ±1 C ; 40-75%±5%				
	Cooling	Refrigerant	R22			
Injected Volume		kg	2.2	2.8	3.3	4.5
Compressor	Brand	Panasonic				
	Type	Enclosure rotor compressor		Scroll compressor		
	Liquid/ Gas	Φ	9.52 / 15.88	9.52 / 15.88	12.7 / 19.05	12.7 / 19.1
	Heat exchanger type	Aluminum Foil Sheet for Hydrophilic Sleeve				
	Power (KW)		1.8	2.6	3.8	4.6
Heating	Type	PTC Ceramic heat plate				
	Power (KW)		3	3	6	9
Humidification	Type	Electrode humidify				
	Humidification	kg/h	3	3	6	6
	Power (KW)		2.2	2.2	4.5	4.5
Fan	Indoor Fan	Centrifugal Fan				
	Outdoor Fan	Axial Fan				
Control System	Sensor	SENSIRION				
	PLC	PLC with screen				
	AC Contactor	Zhengtai				
	Heat Relay	Zhengtai				
Indoor Unit Power Supply			220V / 50HZ	220V / 50HZ	380V / 50HZ	380V / 50HZ
Outdoor Unit Power Supply			220V / 50HZ	380V / 50HZ	380V / 50HZ	380V / 50HZ
Overall Unit Power	kw		5.9	9.3	16.5	18.3
Connecting copper length ≤	m		10m	10m	10m	15m
Installation vertical height ≤	m		3m	5m	5m	5m
Indoor cable spec	mm ²		3×6.0mm ²	3×6.0mm ²	5×10mm ²	5×10mm ²
Outdoor cable spec	mm ²		3×2.5mm ²	5×2.5mm ²	5×2.5mm ²	5×2.5mm ²
Water inlet diameter	Dia		DN15	DN15	DN15	DN15
Drainage diameter	Dia		DN20	DN20	DN20	DN20
Signal wire	RVV		6*0.75mm ²	6*0.75mm ²	6*0.75mm ²	6*0.75mm ²
Dimension	Indoor Unit	mm(L*W*H)	1100*800*500mm	1100*800*500mm	1150*1150*520mm	1150*1150*520mm
	Weight	(Kg)	83	95	125	140
	Outdoor Unit	mm(L*W*H)	950*350*840mm	950*350*840mm	950*350*1240mm	950*350*1240mm
	Weight	(Kg)	78	85	110	130

	MODEL	UNIT	SXHF-17.9D	SXHF-23.8D	SXHF-29.6D	SXHF-34.9D
Unit Characteristic	HP	HP	6	8	10	12
	Cooling	kw	17.9	23.8	29.6	34.9
	Heating	kw	12	16.4	17.8	21.3
	Application Area	m ²	48-52	55-68	70-85	90-100
	Circulating Air	(m ³) / h	3200	4200	4800	6000
	External Pressure	Pa	180	180	200	200
	Indoor Noise	dB(A)	58	62	62	62
	Temperature & Humidity Range	8-40 C ±1 C ; 40-75%±5%				
	Cooling	Refrigerant	R22			
Injected Volume		kg	4.8	4.8	4.8	4.8
Compressor	Brand	panasonic (日本松下)				
	Type	Scroll compressor				
	Liquid/ Gas	Φ	12.7 / 19.1	12.7/19.1*2 SETS	12.7/19.1*2 SETS	12.7/19.1*2SETS
	Heat exchanger type	Aluminum Foil Sheet for Hydrophilic Sleeve				
	Power (KW)		6.2	3.8*2	4.6*2	6.2*2
Heating	Type	PTC Ceramic heat plate				
	Power (KW)		9	12	18	18
Humidification	Type	Electrode humidification				
	Humidification	kg/h	8	16	16	16
	Power (KW)		4.5	6	6	6
Fan	Indoor Fan	Centrifugal Fan				
	Outdoor Fan	Axial Fan				
Control System	Sensor	SENSIRION				
	PLC	PLC with screen				
	AC Contactor	Zhengtai				
	Heat Relay	Zhengtai				
Indoor Unit Power Supply			380V / 50HZ	380V / 50HZ	380V / 50HZ	380V / 50HZ
Outdoor Unit Power Supply			380V / 50HZ	380V / 50HZ	380V / 50HZ	380V / 50HZ
Overall Unit Power	kw		19.5	31.2	35.5	38.5
Connecting copper length ≤	m		20m	20m	20m	20m
Installation vertical height ≤	m		8m	8m	8m	8m
Indoor cable spec	mm ²		5×10mm ²	5×25mm ²	5×25mm ²	5×25mm ²
Outdoor cable spec	mm ²		5×2.5mm ²	5×4mm ²	5×4mm ²	5×4mm ²
Water inlet diameter	Dia		DN15	DN15	DN15	DN15
Drainage diameter	Dia		DN20	DN32	DN32	DN32
Signal wire	RVV		6*0.75mm ²	6*0.75mm ² *2	6*0.75mm ² *2	6*0.75mm ² *2
Dimension	Indoor Unit	mm(L*W*H)	1200*1150*560mm	1200*1300*620mm	1400*1500*720mm	1400*1500*720mm
	Weight	(Kg)	180	280	295	310
	Outdoor Unit	mm(L*W*H)	1000*860*960mm	950*350*1240mm*2套	950*350*1240mm*2套	1000*860*960mm*2套
	Weight	(Kg)	160	266	278	296

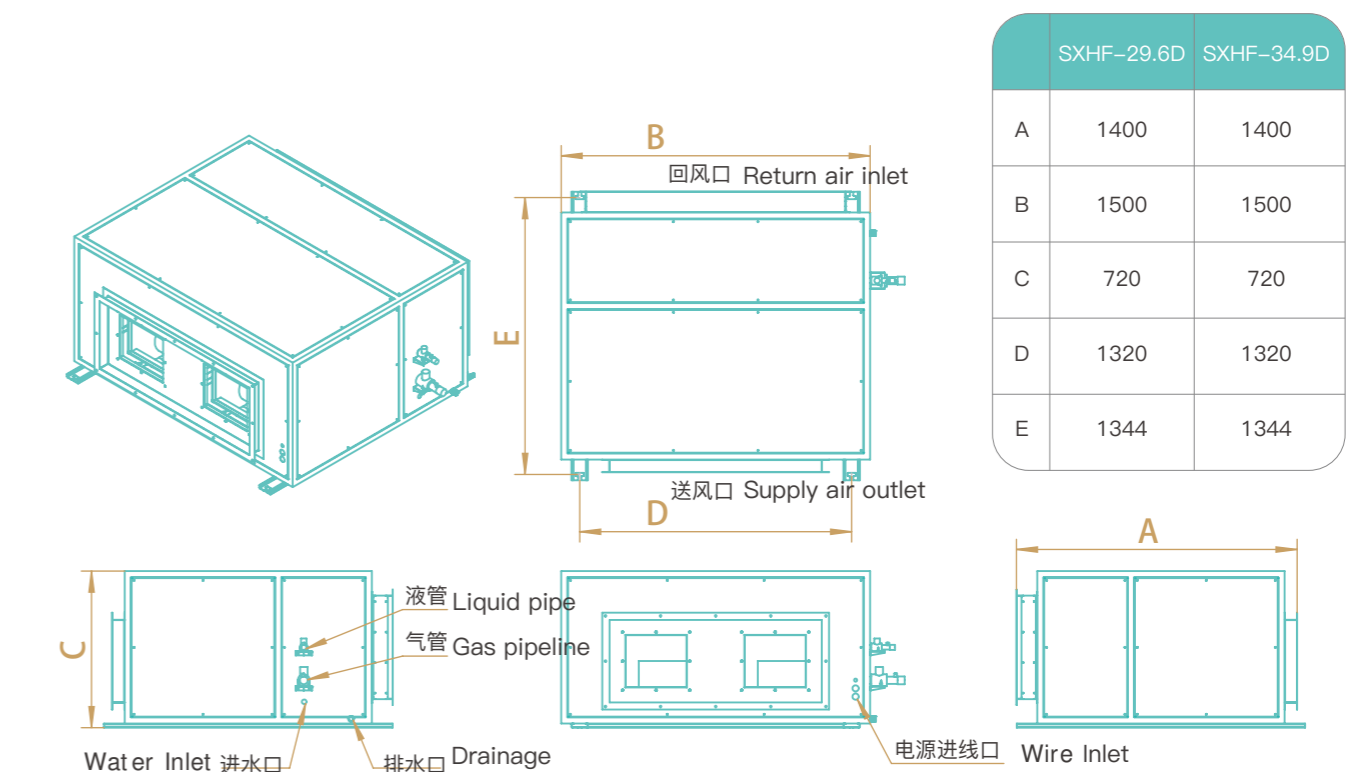
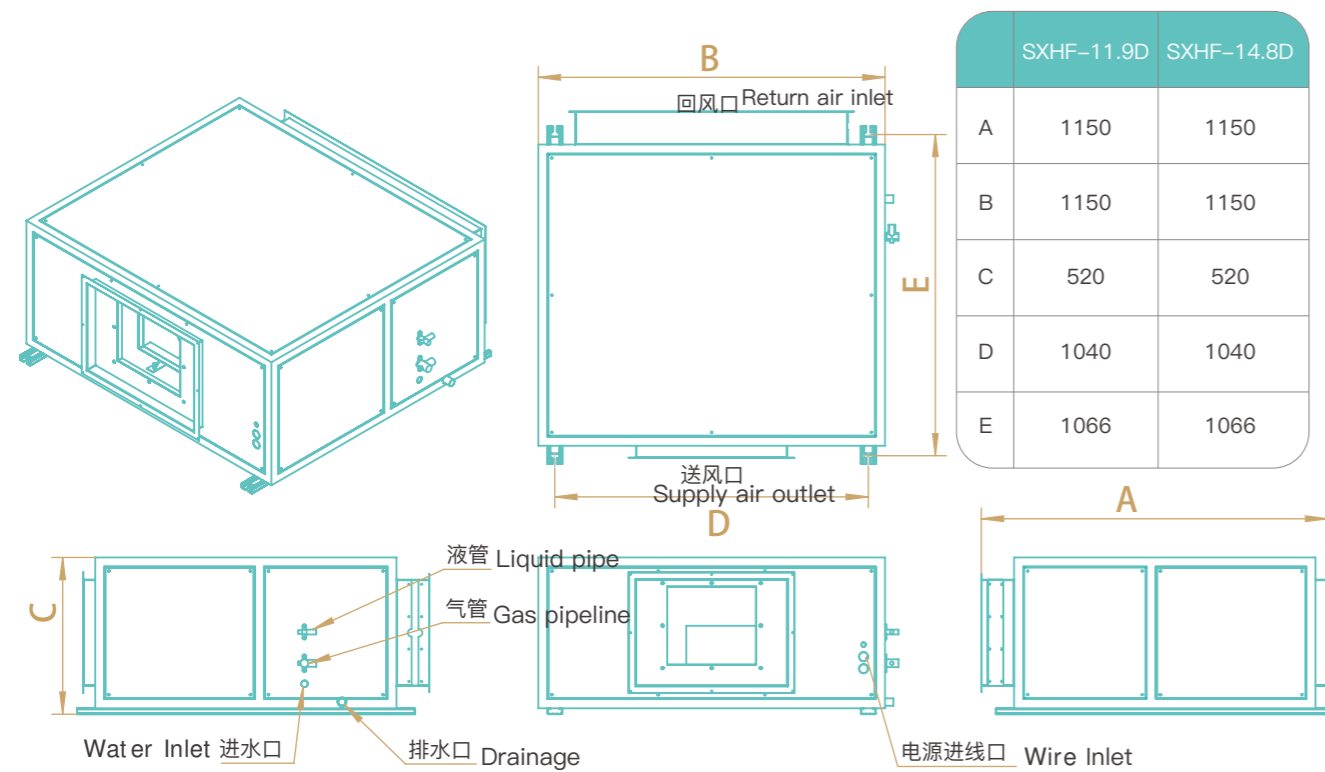
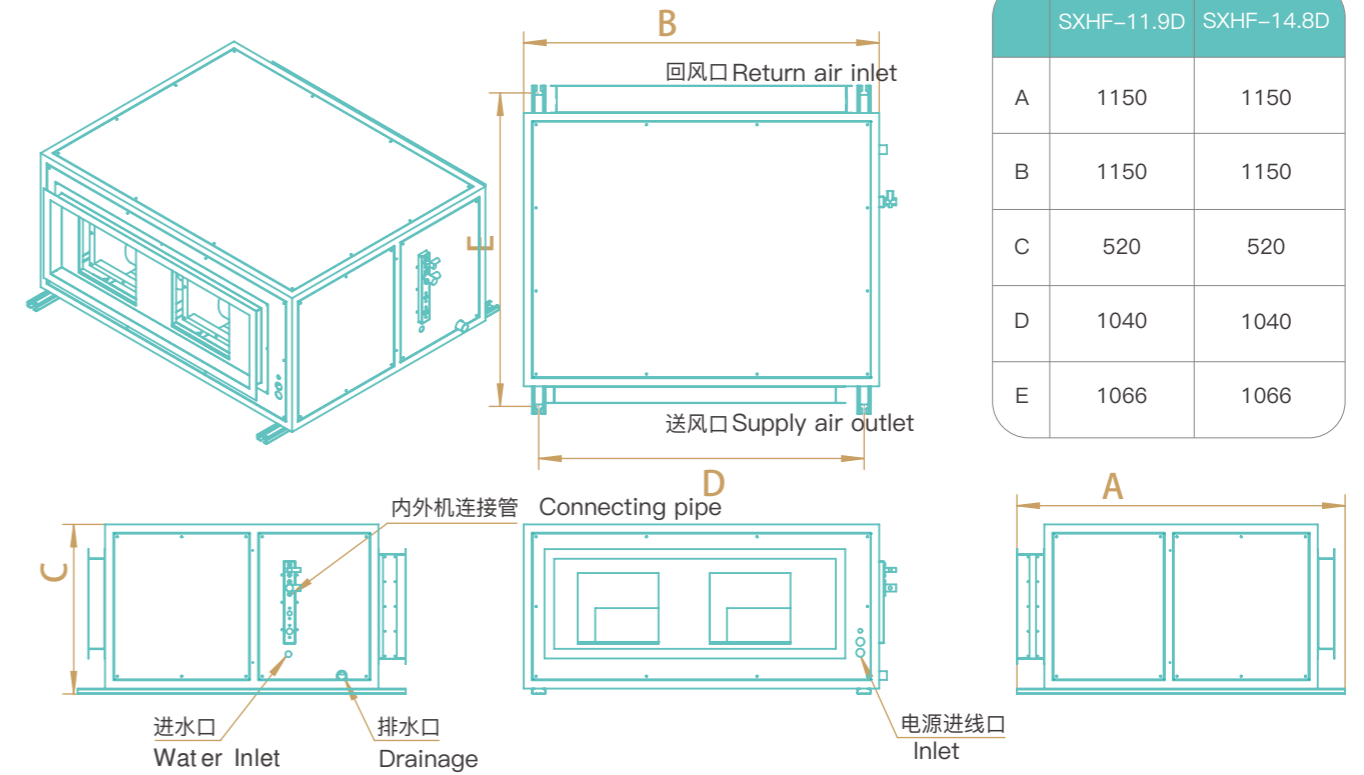
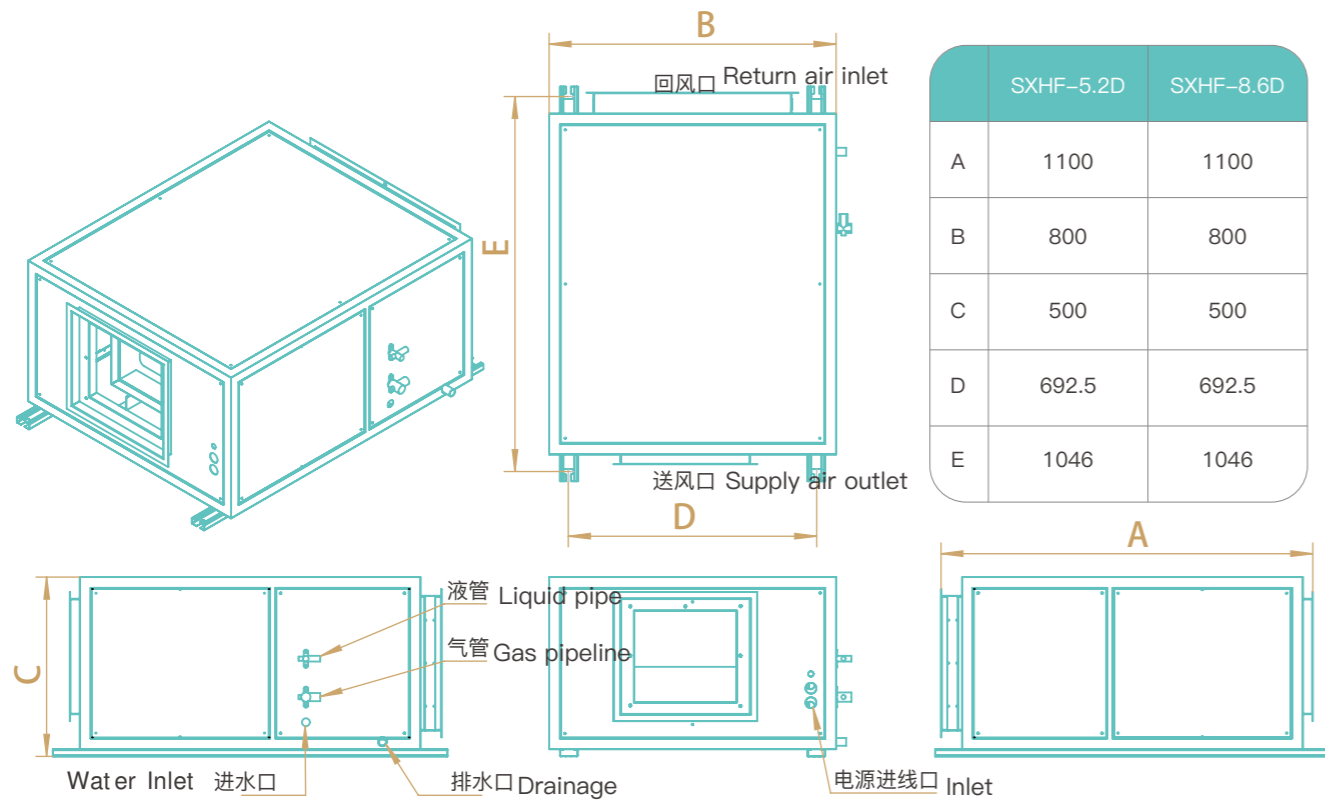
产品线框图 PRODUCT LINE DIAGRAM



安装方式 INSTALLATION METHOD



产品线框图 PRODUCT LINE DIAGRAM



WINE CELLAR AIR CONDITONER

酒窖空调



产品介绍 PRODUCT INTRODUCTION

酒窖恒温恒湿机采用低温压缩机，因为酒窖的温度要求一般为 12℃-18℃之间，根据机组功率大小通常采用湿膜加湿和电极加湿两种。内置引进水箱连接加湿器，有自己的温湿度控制系统。另外根据酒窖要求，机组内还会配置冷凝排水泵和防振装置。

The wine cellar constant temperature and humidity machine uses a low temperature compressor, because the temperature requirements of the wine cellar are generally between 12℃-18℃, and two kinds of wet film humidification and electrode humidification are usually used according to the power size of the unit. Built-in import water tank connected with humidifier, has its own temperature and humidity control system. In addition, according to the requirements of the wine cellar, the unit will also be equipped with condensate drainage pumps and anti-vibration devices.

产品特性 PRODUCT FEATURE

 恒温恒湿 Constant temperature	 无螺丝刀检修 Screwdriver free inspection	 松下压缩机 Panasonic compressor	 环保冷媒 Environmentally refrigerant
 整体保温 Integral insulation	 全铜制冷管 Copper pipe	 工业级PLC智控 Intelligent control	 静音设计 Quiet design

产品特点 PRODUCT FEATURE

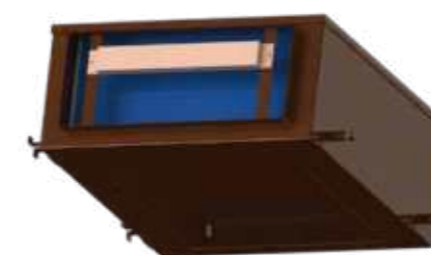
- 内机暗藏式，不占空间
Hidden inside, does not take up space
- 静音效果相较柜式更好
The mute effect is better than the cabinet
- 风口布置，温湿度更均匀
Tuyere layout, temperature and humidity more uniform
- 外机小型空调挂式外机根据冷量匹配
External unit Small air conditioner hanging external unit matching according to the cold capacity
空调内机风管安装注意保
Pay attention to the installation of air ducts in air conditioners
- 可根据客户现场、采用水冷式制冷
According to the customer site, the use of water-cooled refrigeration



三大款式 THREE TYPE



柜式
Floor standing type



吊顶式
Ceiling type



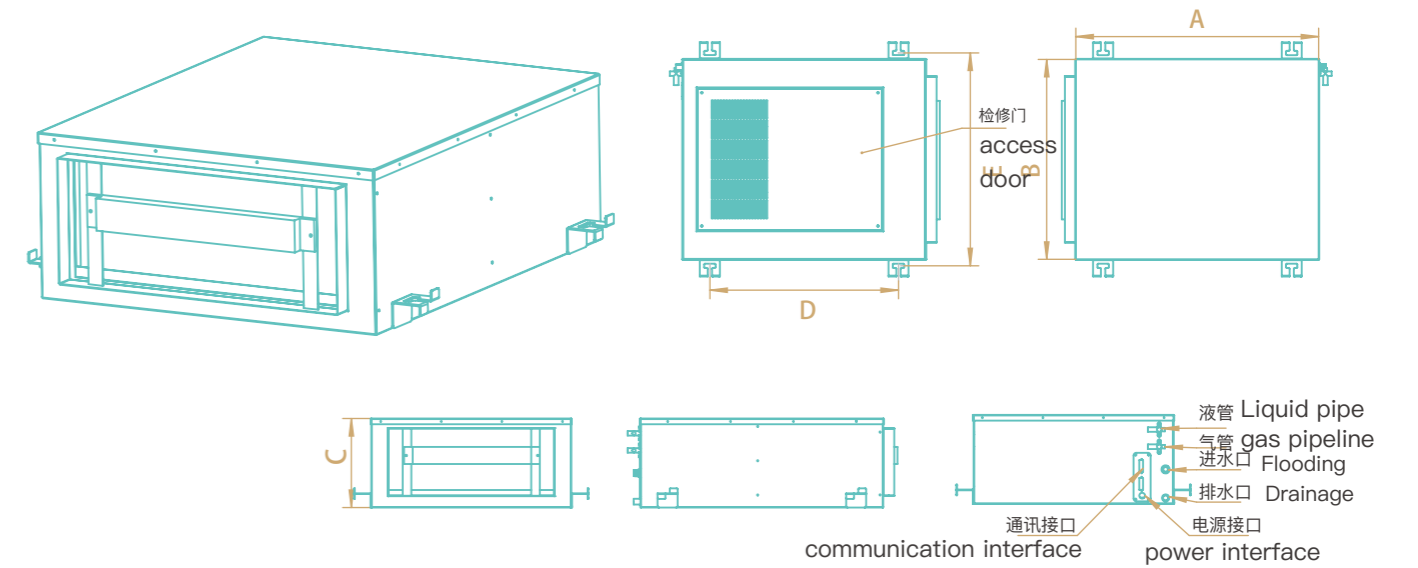
壁挂式
Wall Mount

Cellar Ceiling Type AC	MODEL	UNIT	SXHF-3.8C	SXHF-5.2C	SXHF-8.6C
	HP	HP	1.5	2	3
Unit Characteristics	Cooling	kw	3.8	5.2	8.6
	Heating	m ²	6-8	10-15	18-20
	Application Area	m ³	≤24立方	≤45立方	≤60立方
	Circulating Air	(m ³) / h	650	980	1350
	External Pressure	Pa	60	60	80
	Indoor Noise	dB(A)	48	50	52
	Temperature & Humidity Range	10~26°C±1°C; RH40~75%±5%			
	Refrigerant	R22 / R407C			
Cooling	Injected Volume	kg	2.2	2.8	2.8
Compressor	Brand	Panasonic			
	Type	Enclosure Rotor Compressor			
	Liquid/Gas	Φ	9.52/12.7	9.52/15.8	9.52/15.8
	Heat exchanger	Aluminum Foil Sheet for Hydrophilic Sleeve			
Heating	Type	PTC Ceramic heater			
Humidification	Type	Eletrode humidity (specialize for cellar) (optional)			
	Volume	kg/h	2	2	2
Fan	Indoor Fan Type	EC fan			
	Outdoor Fan Type	Efficient axial fan			
	Air supply way	Back return and back supply			
Control System	Sensor	SENSIRION			
	PLC	PLC with Screen			
	AC contactor	Zhengtai			
	Heat relay	Zhengtai			
Connecting Copper Pipe			9.52/12.7	9.52/15.8	9.52/15.8
Indoor Unit Power			220V/50HZ	220V/50HZ	220V/50HZ
Outdoor Unit Power			220V/50HZ	220V/50HZ	380V/50HZ
Overall Unit Power	kw		3.07	4.3	5.3
Indoor Unit Cable	mm ²		3×4mm ²	3×4.0mm ²	3×6.0mm ²
Outdoor Unit Cable	mm ²		3×2.5mm ²	3×2.5mm ²	5×2.5mm ²
Connecting Copper Pipe≤	m		10m	10m	10m
Vertical Drop≤	m		3m	5m	5m
Water Inlet Pipe	Dia		DN15	DN15	DN15
Drainage Pipe	Dia		DN20	DN20	DN25
Signal Wire	RVV		6*0.75mm ²	6*0.75mm ²	6*0.75mm ²
Dimension	Indoor Unit	mm(L*W*H)	790*700*312	790*700*312	790*700*312
	Weight	(Kg)	68	70	82
	Outdoor Unit	mm(L*W*H)	950*350*840	950*350*840	950*350*840
	Weight	(Kg)	72	78	85

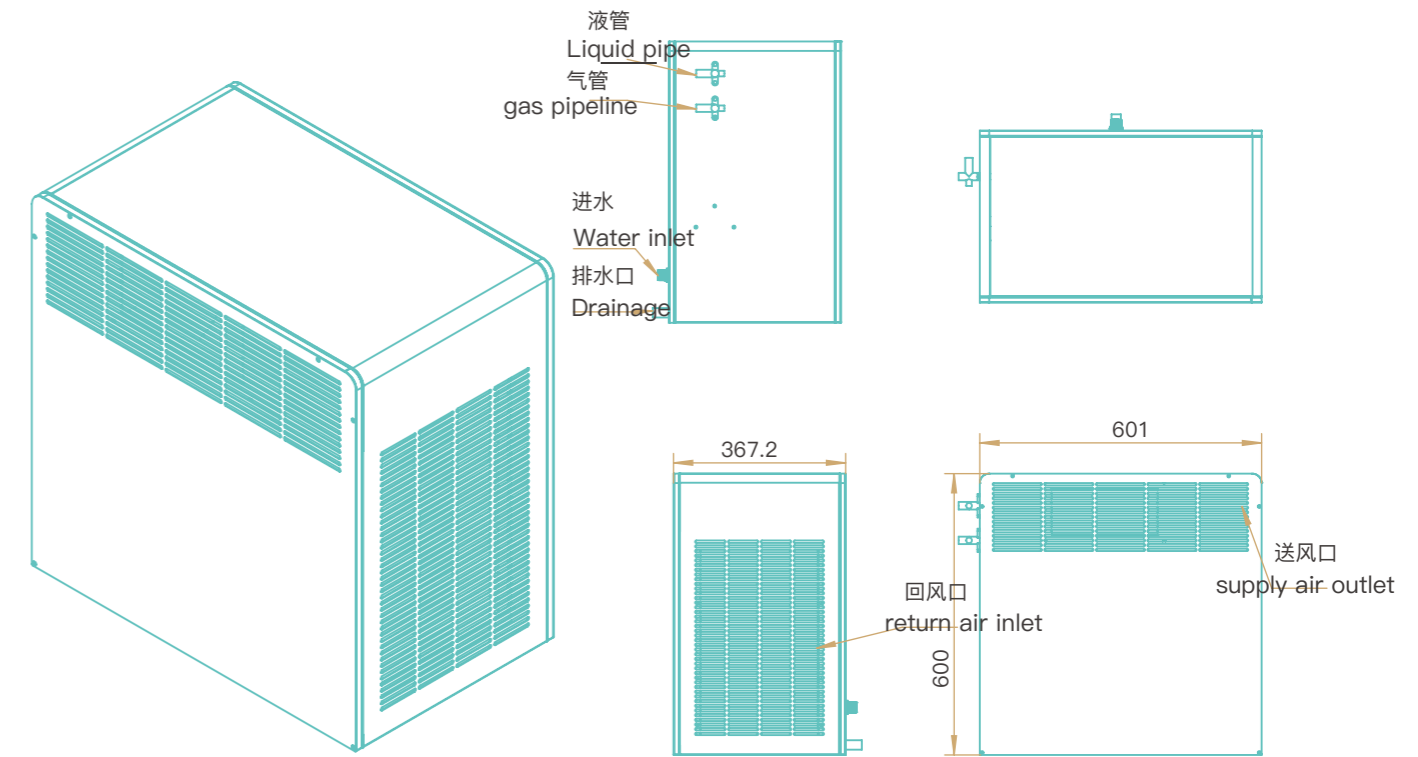
Unit Characteristics	MODEL	单位	SXHF-11.9C	SXHF-14.8C
	HP	HP	4	5
Cooling	kw		11.9	14.8
Heating	m ²		25-30	35-45
Application Area	m ³		≤90立方	≤120立方
Circulating Air	(m ³) / h		2000	2500
External Pressure	Pa		80	80
Indoor Noise	dB(A)		52	52
Temperature & Humidity Range	10~26°C±1°C; RH40~75%±5%			
Refrigerant	R22 / R407C			
Cooling	Injected Volume	kg	4.5	4.8
Compressor	Brand	Panasonic		
	Type	Enclosure Rotor Compressor		
	Liquid/Gas	Φ	12.7/19.1	12.7/19.1
	Heat exchanger	Aluminum Foil Sheet for Hydrophilic Sleeve		
Heating	Type	PTC Ceramic heater		
Humidification	Type	Eletrode humidity (specialize for cellar) (optional)		
	Volume	kg/h	3	3
Fan	Indoor Fan Type	EC fan		
	Outdoor Fan Type	Efficient axial fan		
	Air supply way	Back return and back supply		
Control System	Sensor	SENSIRION		
	PLC	PLC with Screen		
	AC contactor	Zhengtai		
	Heat relay	Zhengtai		
Connecting Copper Pipe			12.7/19.1	12.7/19.1
Indoor Unit Power			220V/50HZ	220V/50HZ
Outdoor Unit Power			380V/50HZ	380V/50HZ
Overall Unit Power	kw		9.6	11.9
Indoor Unit Cable	mm ²		3×10mm ²	3×10mm ²
Outdoor Unit Cable	mm ²		5×2.5mm ²	5×2.5mm ²
Connecting Copper Pipe≤	m		15m	20m
Vertical Drop≤	m		5m	8M
Water Inlet Pipe	Dia		DN15	DN15
Drainage Pipe	Dia		DN25	DN25
Signal Wire	RVV		6*0.75mm ²	6*0.75mm ²
Dimension	Indoor Unit	尺寸 mm(L*W*H)	900*800*361	900*820*361
	Weight	(Kg)	93	95
	Outdoor Unit	尺寸 mm(L*W*H)	950*350*1240	950*350*1240
	Weight	(Kg)	110	130

Ceiling type/ Wall mount	MODEL	单位	SXHF-5.4C	SXHF-11.9C	SXHF-5.4C (wall)
	H P	HP	2	4	2
Unit Characteristics	Cooling	kw	5.4	11.9	5.4
	Heating	m ²	10-15	30-40	10-15
	Application Area	m ³	≤45 cubic	≤120cubic	≤45 cubic
	Circulating Air	(m ³) / h	900	1800	900
	External Pressure	Pa	60	60	60
	Indoor Noise	dB(A)	50	53	50
	Temperature & Humidity Range	10~26°C±1°C; RH40~75%±5%			
Cooling	Refrigerant		R22 / R407C		
	Injected Volume	kg	2.2	3	2.2
Compressor	Brand		Panasonic		
	Type		Enclosure Rotor Compressor		
	Liquid/Gas	Φ	9.52/15.8	12.1/19.01	9.52/15.8
	Heat exchanger		Aluminum Foil Sheet for Hydrophilic Sleeve		
Heating	Type		PTC Ceramic heater		
Humidification	Type		Eletrode humidity (specialize for cellar) (optional)		
	Volume	kg/h	2	2	2
Fan	Indoor Fan Type		EC fan		
	Outdoor Fan Type		Efficient axial fan		
	Air supply way		Back return and back supply		
Control System	Sensor		SENSIRION		
	PLC		PLC with Screen		
	AC contactor		Zhengtai		
	Heat relay		Zhengtai		
Indoor Unit Power			220V/50HZ	220V/50HZ	220V/50HZ
Outdoor Unit Power			220V/50HZ	380V/50HZ	220V/50HZ
Overall Unit Power		kw	4.3	5.3	4.3
Indoor Unit Cable		mm ²	3×6mm ²	3×6mm ²	3×6mm ²
Outdoor Unit Cable		mm ²	3×2.5mm ²	3×2.5mm ²	3×2.5mm ²
Connecting Copper Pipe≤		m	10m	10m	10m
Vertical Drop≤		m	3m	5m	3m
Water Inlet Pipe		Dia	DN15	DN15	DN15
Drainage Pipe		Dia	DN20	DN20	DN20
Signal Wire		RVV	6*0.75mm ²	6*0.75mm ²	6*0.75mm ²
Dimension	Indoor Unit	mm(L*W*H)	950*700*320	950*850*370	600*600*368
	Weight	(Kg)	68	70	68
	Outdoor Unit	mm(L*W*H)	950*350*840	950*350*840	950*350*840
	Weight	(Kg)	72	78	72

产品线框图 PRODUCT LINE DIAGRAM



	A	B	C	D	E
SXHF-3.8C	790	700	312	695	745
SXHF-5.2C	790	700	312	695	745
SXHF-8.6C	790	700	312	695	745
SXHF-11.9C	900	800	361	805	845
SXHF-14.8C	900	820	361	805	865



AIR CONDITIONER FOR DISPLAY CABINET WITH CONSTANT TEMPERATURE AND HUMIDITY

展柜恒温恒湿一体机



产品介绍 PRODUCT INTRODUCTION

针对展柜内部及微小空间开发，该设备可以一机多用，能够同时实现控温、加湿、除湿以及净化功能，适用于文物展柜、小型精品贮藏室以及奢侈品展览贮藏场所。

For the development of exhibition cabinets and small space, the equipment can be used in one machine, and can achieve temperature control, humidification, dehumidification and purification functions at the same time, which is suitable for cultural relics exhibition cabinets, small boutique storage rooms and luxury exhibition storage places.

产品特性 PRODUCT FEATURE

<p>恒温恒湿 Constant temperature and humidity</p>	<p>一体机设计 All-in-one design</p>	<p>智能运行 Intelligent operation</p>	<p>静音运行 Silent operation</p>
<p>远程控制 Remote control</p>	<p>品牌压缩机 Brand compressor</p>	<p>故障自检 Fault self-test</p>	<p>来电自启 Call activation</p>

产品特点 PRODUCT FEATURE

- ▶▶ 电压 :AC220V±10% 50Hz
Voltage :AC220V±10% 50Hz
- ▶▶ 控制器 : 微电脑控制 / PLC 智控
Controller: microcomputer control / PLC intelligent control
- ▶▶ 柜门联控 : 通过 PLC 智控实现柜门联控
Cabinet door joint control: Realize cabinet door joint control through PLC intelligent control
- ▶▶ 控制温湿度 : 加湿、除湿、升温、降温一体智能化
Control temperature and humidity: humidification, dehumidification, heating, cooling integrated intelligent
- ▶▶ 显示精度 : ±0.1%RH, 环境温度 : 5℃-40℃、最佳操作温度 : 15℃-30℃
Display accuracy : ±0.1%RH, ambient temperature: 5℃-40℃, the best operating temperature: 15℃ -30 °C
- ▶▶ 柜体材质 : 1.2MM 厚度冷轧钢板, 单层柜体, 表面喷涂 ;
Cabinet material : 1.2MM thickness cold-rolled steel plate, single-layer cabinet, surface spraying;
- ▶▶ 空气监控 : 实现柜体内空气成分监控, CO2、PM2.5 等空气质量监控。实时了解柜内空气成分。
Air monitoring: The realization of cabinet air composition monitoring, CO2, PM2.5 and other air quality monitoring. Know the air composition in the cabinet in real time.
- ▶▶ 净化功能 : 可以去除柜内空气中的 CO2、硫化物、H2S、NH3 等对文物有害之物质, 还可以净化柜内空气。
Purification function: It can remove CO2, sulfide, H2S, NH3 and other substances harmful to cultural relics in the air in the cabinet, and can also purify the air in the cabinet.
- ▶▶ 可分离式维修设计, 方便简单, 强劲制冷除湿, 加热, 加湿。让展柜永远恒温恒湿净化状态。
Separable maintenance design, convenient and simple, strong cooling dehumidification, heating, humidification. Let the showcase always constant temperature and humidity purification state.
- ▶▶ 自动控制 断电记忆 可手机控制
Automatic control power off memory can be controlled by mobile phone

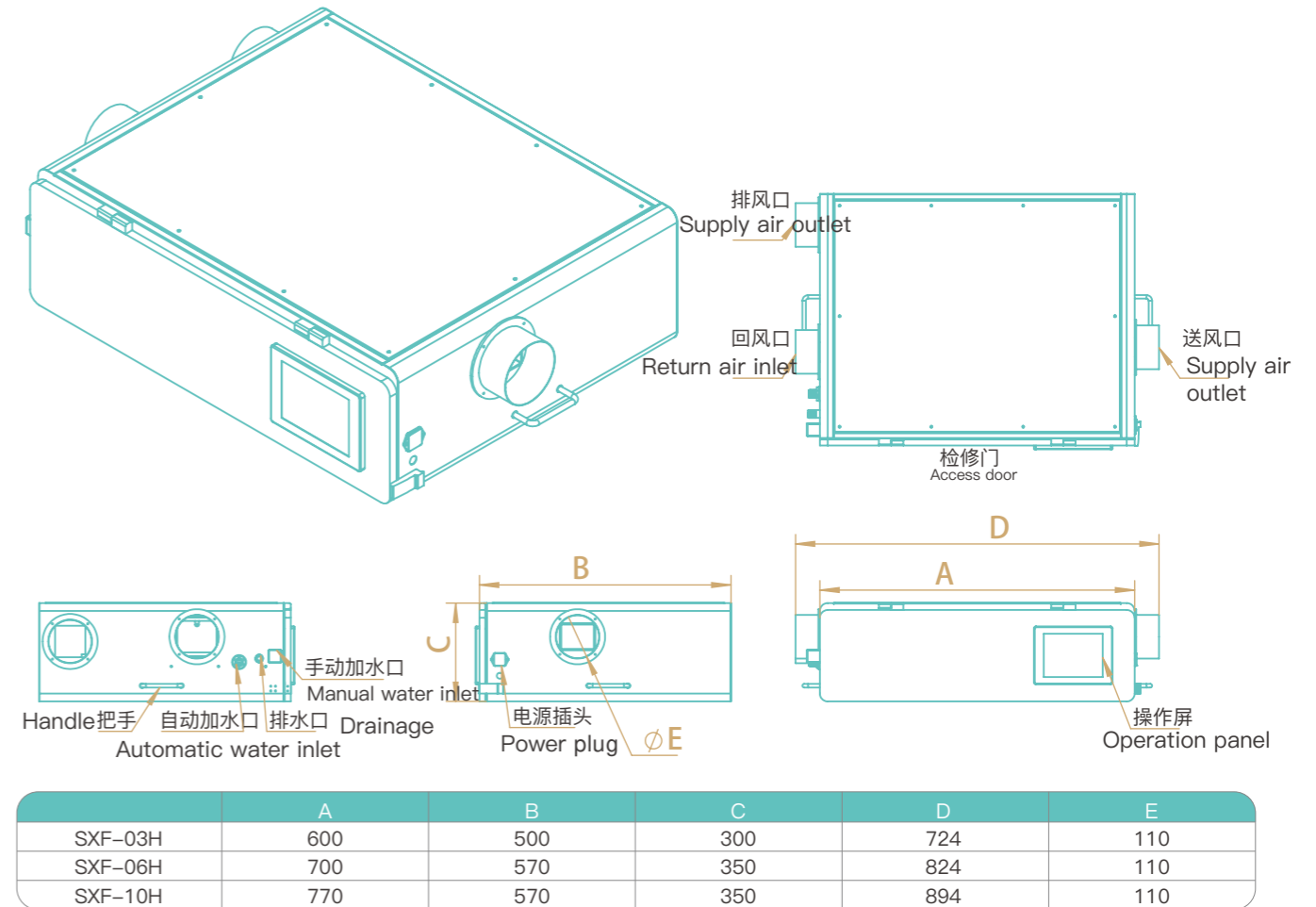


应用场景 APPLICATION SCENARIOS

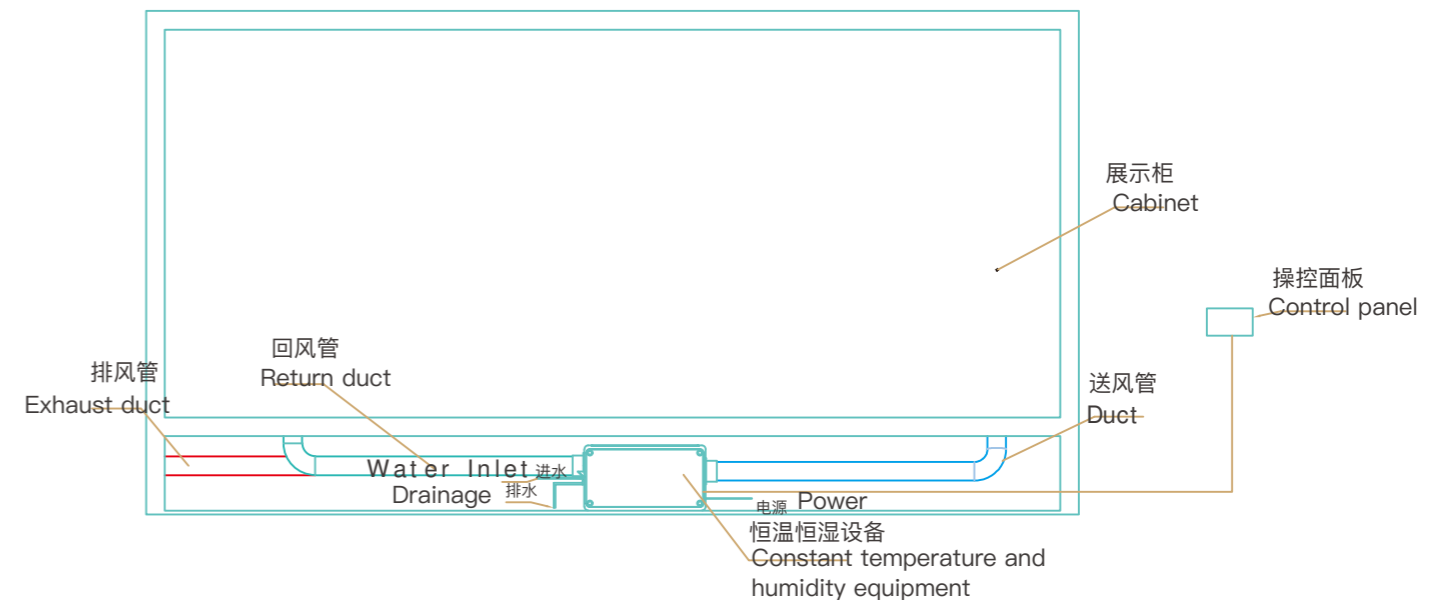


Unit Characteristics	MODEL	UNIT	QXF-03H	QXF-06H	QXF-10H
	Cooling Capacity	W	300	600	1200
	Dehumidification	L/D	16	23	30
	Application Cubic	M3	1-2 cubic	2-4 cubic	5-6cubic
	Air Flow	(m3)/h	220	280	350
	External Pressure	Pa	20	30	50
	Indoor Unit Noise	dB(A)	35	36	38
	Temperature & Humidity Range	12~30°C±1°C RH40~75%±5%			
Cooling	Refrigerant	R134a			
	Throttling method	Refrigeration capillaries			
Compressor	Brand	Wansheng	Panasonic	Panasonic	
	Type	Enclosure Piston Compressor			
Heating	Type	PTC Ceramic Heater			
Humidification	Type	Wet Film			
	Volume	kg/h	0.5~1	0.5~1	0.5~1
	Water Inlet		Manual/Automatic		
Fan	Type	High Efficiency Centrifugal Fan			
Control System	Type	PCB (default) /PLC (optional)			
Overall Unit Power			490W	800W	1200W
Supply Power			220V/50HZ	220V/50HZ	220V/50HZ
Dimension	Size (L*W*H) (mm)	600*500*300mm	770*570*350mm	770*570*350mm	
Weight	kg	35	45	50	

产品线框图 PRODUCT LINE DIAGRAM



安装示意图 INSTALLATION INSTRUCTION



PRECISION AIR CONDITIONER

精密空调



能效高
High Efficiency

精确湿度控制
Accurate Humidity control

精确的温度控制
Accurate temperature control

精准范围控制
High Precision

产品介绍 PRODUCT INTRODUCTION

松幸精密机房空调采用松幸精密恒温恒湿系统，集高效节能、安全可靠、运行平稳、调节范围宽等优点于一身。广泛应用于大型仓库厂房、制造车间、实验室、数据机房、精密仪器等行业场所。

Sunchine precision room air conditioning adopts Matsuxing precision constant temperature and humidity system, which integrates the advantages of high efficiency, energy saving, safety and reliability, smooth operation and wide adjustment range. Widely used in large warehouses, manufacturing workshops, laboratories, data rooms, precision instruments and other industry places.

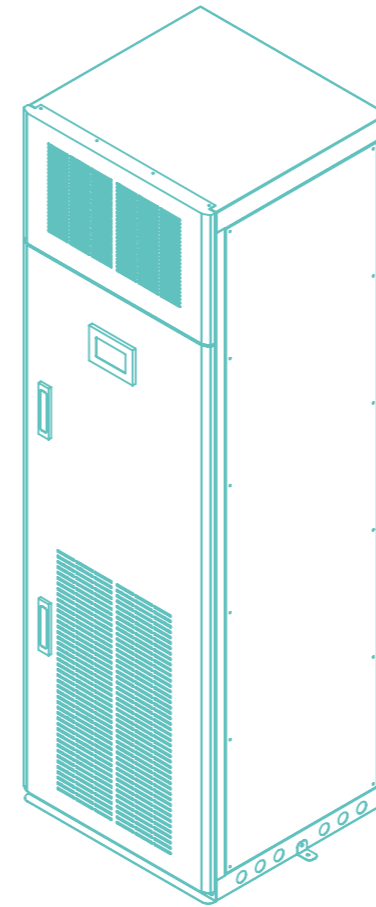
产品特性 PRODUCT FEATURE

- 提供精确的温度控制，保持机房内的温度稳定在设定的范围内
Provides accurate temperature control to keep the temperature in the equipment room within the set range
- 采用高效的制冷技术和能效设计，以最大程度地减少能源消耗，提高能效比，降低能源费用
Adopt efficient cooling technology and energy efficiency design to minimize energy consumption, improve energy efficiency ratio and reduce energy bills
- 控温精准度18~30℃，精度±1℃控湿精度50~70%，精度±5%
Temperature control accuracy 18~30℃, accuracy ±1℃ humidity control accuracy 50~70%, accuracy ±5%
- 恰当的湿度可以保护设备不受潮湿或干燥环境的影响，避免静电、腐蚀的发生
Proper humidity protects the device from damp or dry environments and prevents static electricity and corrosion

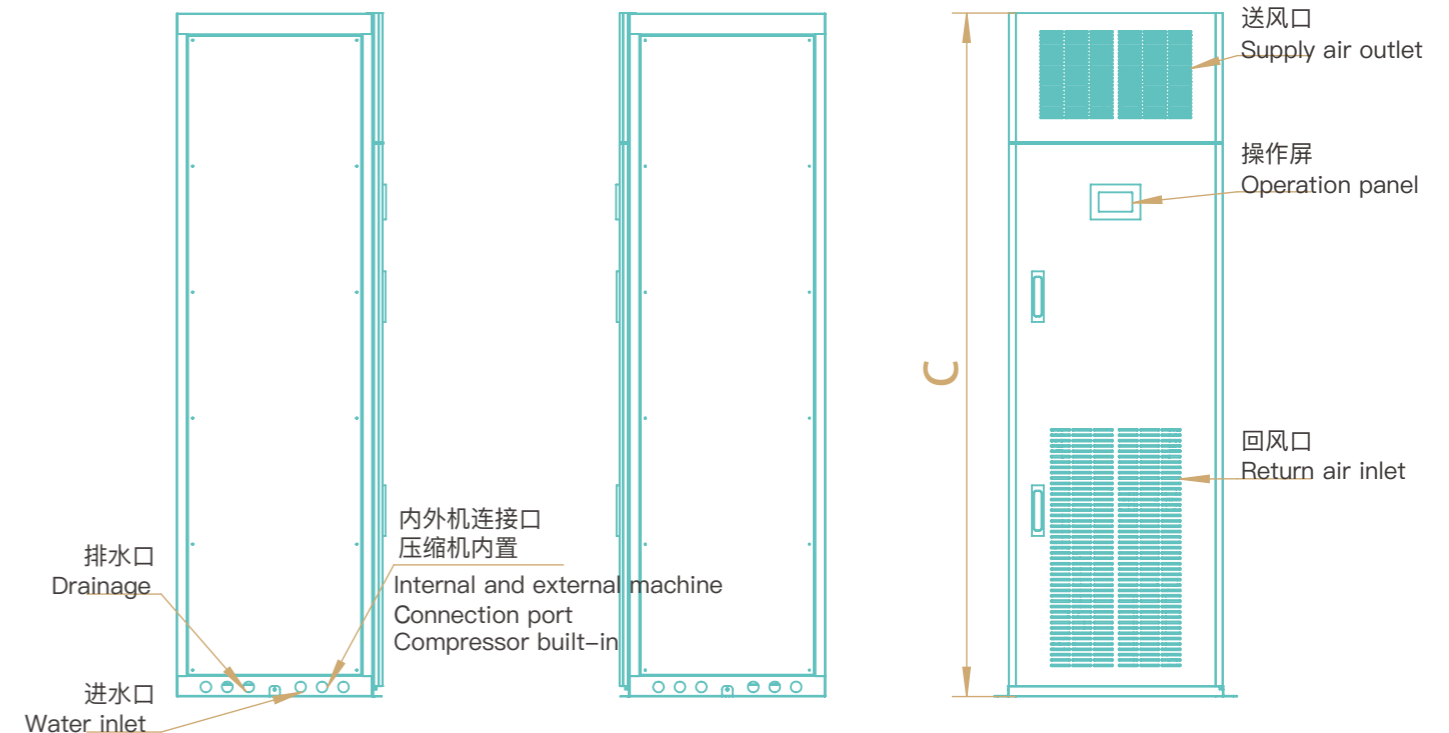
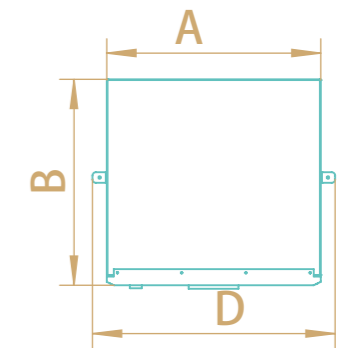
Unit Characteristics	MODEL	UNIT	SXHB-5.5	SXHB-8.6	SXHB-12.5	SXHB-15	SXHB-20
	HP	HP	2	3	4	5	7
	Cooling	kw	5.5	8.6	12.5	15	20
	Sensible	kw	4.9	7.74	11.2	13.5	18
	Sen Heat ratio		0.9	0.9	0.9	0.9	0.9
	Efficiency ratio		3	3	3.1	3.1	3.1
	Heating	kw	3	4	6	6	9
	Air Flow	(m3)/h	2000	2300	3200	4000	5700
	Esp	Pa	50-80	50-80	50-80	50-80	50-80
	Noise	dB(A)	59	60	65	65	65
Temp&Humi Range	8-40℃±1℃ ; 40-75%±5%						
Cooling	Refrigerant	R410A/R32/R134a					
	Injected Volume	kg	1.6	2	2.5	3	4.5
Compressor	Brand	HIGHLY					
	Type	Enclosure Rotor Compressor					
	Liquid/gas(mm)	φ	9.52/6.35	9.52/6.35	12.7/9.52	12.7/9.52	12.7/9.52
	Heat exchange type	Aluminum Foil Sheet for Hydrophilic Sleeve					
	Power (KW)		3	4	4.6	5.5	6.25
Heating	Type	PTC Ceramic Heater					
	Power (KW)		2	2	2	2	2
Humidity	Type	Electrode Humidity					
	Volume	kg/h	3 (optional)	3 (optional)	3 (optional)	3 (optional)	3 (optional)
	Power(KW)		2	2	2	2	2
Fan	Inner Fan Type	EC Fan					
	Outdoor Fan Type	Axial Fan					
Control System	Control	PCB with screen					
	AC contactor	Zhengtai					
	Heat Relay	Zhengtai					
Indoor Unit Power		380V/50HZ	380V/50HZ	380V/50HZ	380V/50HZ	380V/50HZ	
Outdoor Unit Power		220V/50HZ	220V/50HZ	220V/50HZ	220V/50HZ	380V/50HZ	
Overall Unit Power	kw	5.9	9.3	13	15	19	
Connecting Copper≤	m	10m	10m	10m	15m	15m	
Vertical Drop≤	m	3m	5m	5m	5m	5m	
Indoor Unit Cable	mm ²	3×6.0mm ²	3×6.0mm ²	5×6mm ²	5×6mm ²	5×10mm ²	
Outdoor Unit Cable	mm ²	3×2.5mm ²	5×2.5mm ²	5×2.5mm ²	5×2.5mm ²	5×2.5mm ²	
Water Inlet Pipe	Dia	DN15	DN15	DN15	DN15	DN15	
Drainage Pipe	Dia	DN20	DN20	DN20	DN20	DN20	
Signal wire	RVV	3*2.5mm ²	3*2.5mm ²	3*2.5mm ²	3*2.5mm ²	3*2.5mm ²	
Indoor Unit size	(L*W*H)	600*577*1914mm	600*577*1914mm	750*600*2000mm	920*650*2000mm	950*650*2000mm	
Weight	(kg)	100	110	150	180	200	
Outdoor size	(L*W*H)	950*350*840mm	950*350*840mm	950*350*1240mm	950*350*1240mm	1200*800*760mm	
Weight	(kg)	100	110	130	130	180	

Unit Characteristics	MODEL	单位	SXHB-25	SXHB-30	SXHB-40	SXHB-50	SXHB-60
	HP	HP	8	10	15	18	720
	Cooling	kw	25	30	40	50	60
	Sensible	kw	22.5	27	36	45	54
	Sen Heat ratio		0.9	0.9	0.9	0.9	0.9
	Efficiency ratio		3.1	3.1	3.1	3.1	3.1
	Heating	kw	9	12	16	16	16
	Air Flow	(m3)/h	6800	8100	10000	12000	15500
	Esp	Pa	50-80	50-80	50-80	50-80	50-80
	Noise	dB(A)	65	75	75	75	75
Temp&Humi Range	8-40°C±1°C ; 40-75%±5%						
Cooling	Refrigerant	R410A/R32/R134a					
	Injected Volume	kg	6	9	13	16	18
Compressor	Brand	HIGHLY					
	Type	Enclosure Rotor Compressor					
	Liquid/gas(mm)	φ	15.88/12.7	15.88/12.7	15.88/12.7	15.88/12.7	15.88/12.7
	Heat exchange type	Aluminum Foil Sheet for Hydrophilic Sleeve					
	Power (KW)		7.8	9.4	12.5	16	18
Heating	Type	PTC Ceramic heater					
	Power (KW)		9 (optional)	12 (optional)	16 (optional)	16 (optional)	24 (optional)
Humidity	Type	Electrode Humidity					
	Volume	kg/h	3 (optional)	5 (optional)	5 (optional)	8 (optional)	5 (optional)
	Power(KW)		2	3	3	3	3
Fan	Inner Fan Type	EC Fan					
	Outdoor Fan Type	Axial Fan					
Control System	Control	PCB with screen					
	AC contactor	Zhengtai					
	Heat Relay	Zhengtai					
Indoor Unit Power		380V/50HZ	380V/50HZ	380V/50HZ	380V/50HZ	380V/50HZ	
Outdoor Unit Power		380V/50HZ	380V/50HZ	380V/50HZ	380V/50HZ	380V/50HZ	
Overall Unit Power	kw	22.5	25	28	31	40	
Connecting Copper≤	m	15m	15m	15m	15m	15m	
Vertical Drop≤	m	5m	5m	5m	5m	5m	
Indoor Unit Cable	mm ²	5×10mm ²	5×10mm ²	5×10mm ²	5×16mm ²	5×16mm ²	
Outdoor Unit Cable	mm ²	5×2.5mm ²	5×2.5mm ²	5×2.5mm ²	5×2.5mm ²	5×2.5mm ²	
Water Inlet Pipe	Dia	DN15	DN15	DN15	DN15	DN15	
Drainage Pipe	Dia	DN20	DN20	DN20	DN20	DN20	
Signal wire	RVV	3*2.5mm ²	3*2.5mm ²	3*2.5mm ²	3*2.5mm ²	3*2.5mm ²	
Indoor Unit size	(L*W*H)	950*750*2000mm	1200*800*2000mm	1200*800*2000mm	1600*870*2000mm	1600*870*2000mm	
Weight	(kg)	250	300	380	400	450	
Outdoor size	(L*W*H)	1450*800*760mm	1500*800*760mm	1500*800*760mm	1903*1168*1248mm	1903*1168*1248mm	
Weight	(kg)	200	250	250	300	300	

产品线框图 PRODUCT LINE DIAGRAM



	A	B	C	D
SXHFB-5.5	600	577	1914	680
SXHFB-8.6	600	577	1914	680
SXHFB-12.5	750	600	2000	830
SXHFB-15	920	650	2000	1000



IN-ROW PRECISION AIR CONDITIONER

列间精密空调



产品介绍 PRODUCT INTRODUCTION

列间精密空调是专为高热密度机房设计的空调类型，特别适用于模块化数据中心环境。它采用先进的节能技术和智能控制系统，能够根据实际环境需求提供精确的温度和湿度调节，确保机房设备的稳定运行并延长其使用寿命。列间精密空调具备高效、稳定、灵活及易于维护的特点，通过无氟制冷技术实现安全环保的制冷效果。这种空调类型通常被安装在机柜列间，靠近IT设备，结合冷热通道设计，优化气流组织，不仅提高了制冷效率，还显著降低了机房整体的能耗比（PUE值）。

列间精密空调的主要优点在于其出色的制冷效率和空间利用率。通过将空调直接置于机柜列间，它减少了冷热气流短路的问题，确保了机柜内的温度均衡，从而提高了整体制冷效率。此外，列间空调的设计使得机房空间得到更有效的利用，因为空调设备不再占用额外的机房面积，而是直接融入机柜排列之中。这些优点使得列间精密空调成为各类数据中心，特别是那些追求高效能、低能耗以及环境友好性的数据中心的理想选择。

The intercolumn precision air conditioner is a type of air conditioner designed for high heat density room, especially for modular data center environment. It adopts advanced energy-saving technology and intelligent control system, which can provide accurate temperature and humidity regulation according to the actual environmental requirements, to ensure the stable operation of the equipment room and extend its service life. Intercolumn precision air conditioners are efficient, stable, flexible and easy to maintain, and achieve safe and environmentally friendly cooling effects through fluorine-free refrigeration technology. This type of air conditioner is usually installed in the row of cabinets, close to IT equipment, combined with the hot and cold aisle design, optimized air distribution, not only improve the cooling efficiency, but also significantly reduce the overall energy consumption ratio (PUE value) of the room.

The main advantages of intercolumn precision air conditioning are its excellent cooling efficiency and space utilization. By placing the air conditioner directly between the cabinet rows, it reduces the problem of short circuit of the hot and cold air fl

ow and ensures the temperature balance in the cabinet, thereby improv-

ing the overall cooling efficiency. In addition, the design of intercolumn air conditioning makes room space more efficient,

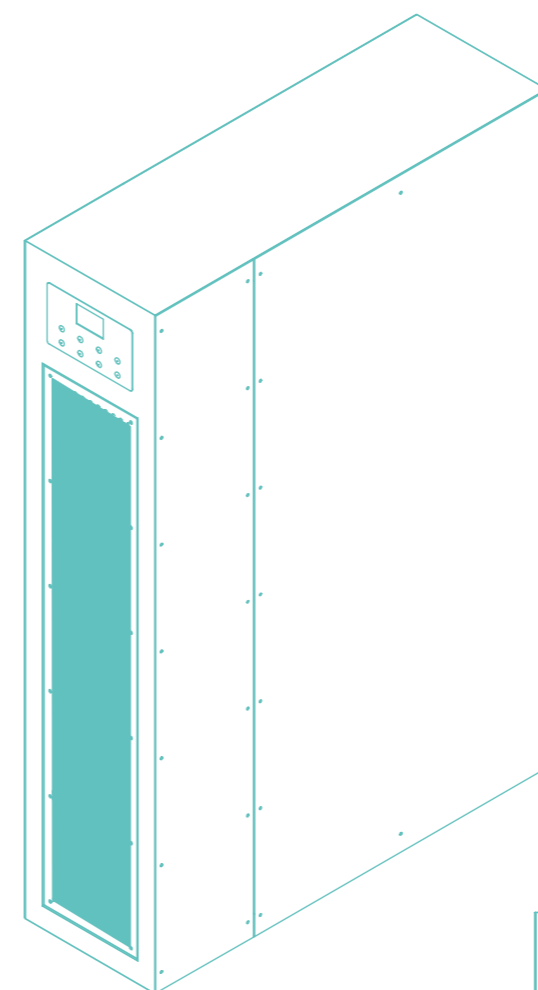
because the air conditioning equipment does not take up additional room space, but is directly integrated into the cabinet arrangement.

These advantages make interrow precision air conditioning an ideal choice for all types of data centers, especially those seeking high efficiency, low energy consumption and environmental friendliness.

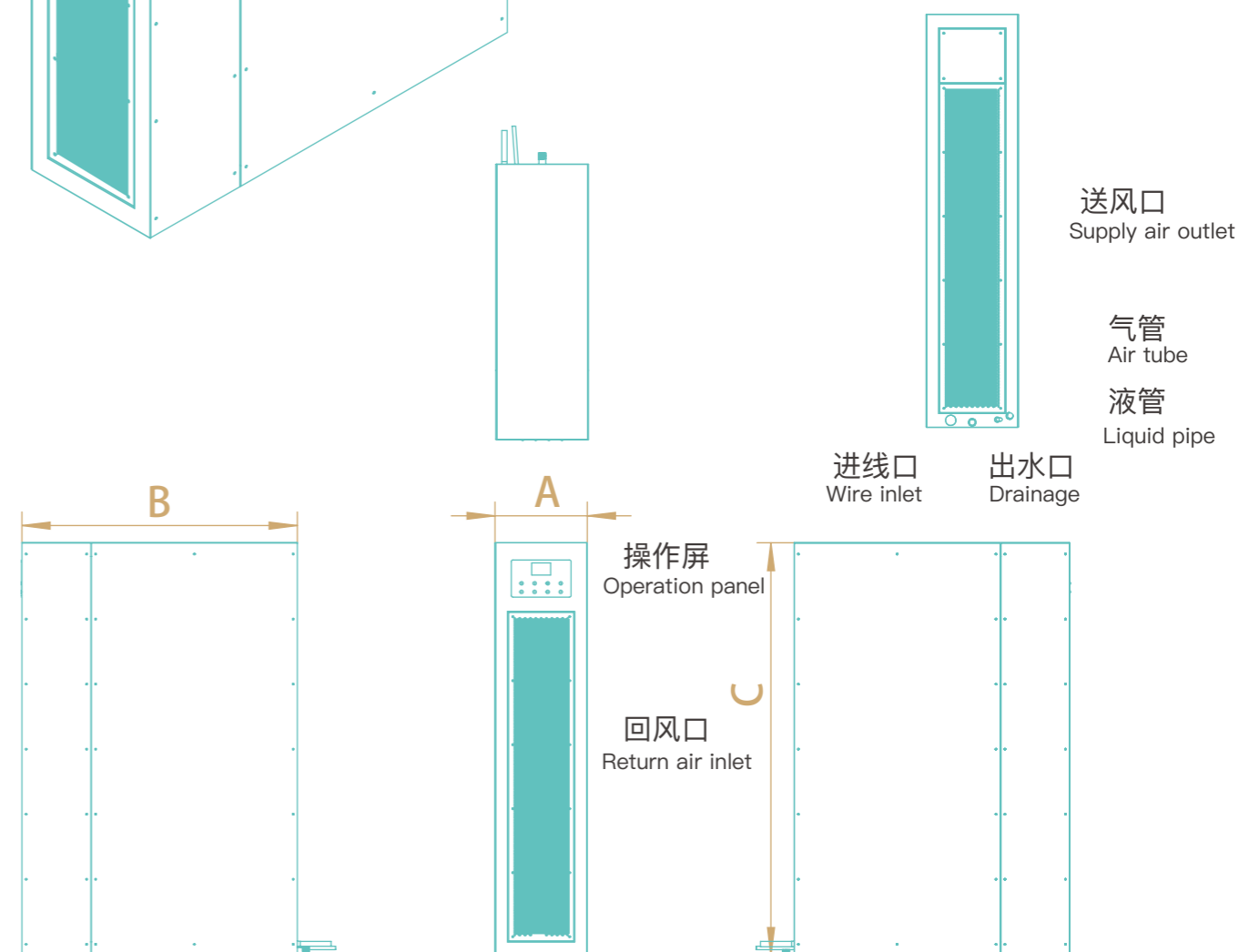
Characteristic Unit	MODEL	单位	SXHBL-12.5	SXHBL-25	SXHBL-35
	HP	HP	4	8	10
	Cooling	kw	12.5	25	35
	Sensible	kw	11.2	22.5	27
	Sen Heat ratio		0.9	0.9	0.9
	Efficiency ratio		3.1	3.1	3.1
	Heating	kw	6	9	12
	Air Flow	(m3)/h	3200	6800	8100
	ESP	Pa	50-80	50-80	50-80
	Noise	dB(A)	65	65	75
	Temp&Humidity range				
Cooling	Refrigerant		R410A/R32		
	Injected Volume	kg	2.5	6	9
Compressor	Brand		HIGHLY		
	Type				
	Heat exchange type		Copper tube with aluminum fins		
	Power (KW)		4.6	7.8	9.4
Heating	Type		PTC	PTC	PTC
	Power (KW)		6 (optional)	9 (optional)	12 (optional)
Humidify	Type		(Wet film)		
	Volume	kg/h	2		
Fan	Indoor Type		EC Fan		
	Outdoor Type		Axial Fan		
Control System	Control		PCB		
	AC Contactor		Zhengtai		
	Heat Relay		Zhengtai		
Indoor Unit Power			380V/50HZ	380V/50HZ	380V/50HZ
Outdoor Unit Power			380V/50HZ	380V/50HZ	380V/50HZ
Overall Unit Power	kw		13	22.5	25
Connecting Copper≤	m		10m	15m	15m
Vertical Drop≤	m		5m	5m	5m
Indoor Unit Cable	mm ²		5×6mm ²	5×6mm ²	5×6mm ²
Outdoor Unit Cable	mm ²		5×4mm ²	5×6mm ²	5×6mm ²
Water Inlet Pipe	Dia		DN15	DN15	DN15
Drainage Pipe	Dia		DN20	DN20	DN20
Signal wire	RVV		8*0.5mm ²	8*0.5mm ²	8*0.5mm ²
Indoor Unit size	(L*W*H)		300*800*1600mm	300*1200*2000mm	300*1200*2000mm
Weight	(kg)		100	180	250
Outdoor size	(L*W*H)		950*350*1240mm	1450*800*760mm	1500*800*760mm
Weight	(kg)		130	200	250

产品线框图 PRODUCT LINE DIAGRAM

Characteristic Unit	MODEL	单位	SXHBL-40	SXHBL-50	SXHBL-65
	HP	HP	15	18	20
	Cooling	kw	40	50	60
	Sensible	kw	36	45	54
	Sen Heat ratio		0.9	0.9	0.9
	Efficiency ratio		3.1	3.1	3.1
	Heating	kw	12	12	16
	Air Flow	(m3)/h	10000	12000	15500
	ESP	Pa	50-80	50-80	50-80
	Noise	dB(A)	75	75	75
Temp&Humidity range					
Cooling	Refrigerant		R410A/R32		
	Injected Volume	kg	13	14	18
Compressor	Brand		HIGHLY		
	Type				
	Heat exchange type		Copper tube with aluminum fins		
	Power (KW)		12.5	7.8*2	9.4*2
Heating	Type		PTC	PTC	PTC
	Power (KW)		12 (可选)	12 (可选)	16 (可选)
Humidify	Type		Wet film(optional)		
	Volume	kg/h	2		
Fan	Indoor Type		EC Fan		
	Outdoor Type		Axial Fan		
Control System	Control		PCB		
	AC Contactor		Zhengtai		
	Heat Relay		Zhengtai		
Indoor Unit Power			380V/50HZ	380V/50HZ	380V/50HZ
Outdoor Unit Power			380V/50HZ	380V/50HZ	380V/50HZ
Overall Unit Power	kw		28	31	40
Connecting Copper	m		15m	15m	15m
Vertical Drop	m		5m	5m	5m
Indoor Unit Cable	mm ²		5×6mm ²	5×10mm ²	5×16mm ²
Outdoor Unit Cable	mm ²		5×6mm ²	5×6mm ²	5×10mm ²
Water Inlet Pipe	Dia		DN15	DN15	DN15
Drainage Pipe	Dia		DN20	DN20	DN20
Signal wire	RVV		8*0.5mm ²	8*0.5mm ²	8*0.5mm ²
Indoor Unit size	L*W*H		600*1200*2000mm	600*1200*2000mm	600*1200*2000mm
Weight	(kg)		260	300	320
Outdoor size	L*W*H		1500*800*760mm	1450*800*760mm*2	1500*800*760mm*2
Weight	(kg)		250	300	300



	A	B	C
SXHBL-12.5	300	800	1600
SXHBL-25	300	1200	1200
SXHBL-35	300	1200	1200
SXHBL-40	600	1200	1200
SXHBL-50	600	1200	1200
SXHBL-65	600	1200	1200



STANDALONE ROTARY DEHUMIDIFIER

单机转轮



PRODUCT INTRODUCTION

SX系列转轮除湿机组是本公司在吸收国内外众多最新设计成果基础上的结晶之作;它主要适用于对湿度品质要求较高的空调洁净环境,除湿工艺场所;该机组有多种系列型号可选择,可广泛应用于医药储藏、低温冷库、血库中心、化工、制药、军工、实验室、船舶检修等场所;它具有除湿效果好、结构简单、运行稳定、维护方便等优点。

SX series rotary dehumidification unit is the crystallization of the company in absorbing many of the latest design achievements at home and abroad; It is mainly suitable for air conditioning clean environment with high humidity quality requirements and dehumidification process sites; The unit has a variety of series models to choose from, can be widely used in medical storage, low temperature cold storage, blood bank center, chemical, pharmaceutical, military, laboratory, ship maintenance and other places; It has the advantages of good dehumidification effect, simple structure, stable operation and easy maintenance.

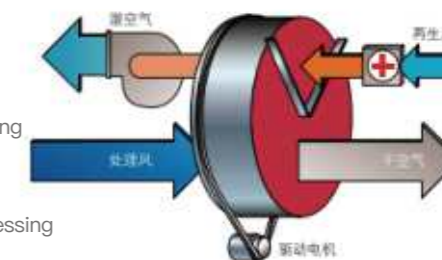
PRODUCT ADVANTAGES

- ▶▶ 转轮除湿机组性能稳定、具有良好的控制功能,运行可靠,操作简单、管理方便,体积小,占地少,无公害等;
The rotary dehumidification unit has stable performance, good control function, reliable operation, simple operation, convenient management, small size, less land area, pollution-free, etc.
- ▶▶ 采用进口转轮,可清洗,采用知名品牌接触器,专业标示更容易检修维护;
Imported runner, can be cleaned, the use of well-known brand contactor, professional marking is easier to repair and maintenance
- ▶▶ SCR节能恒温控制技术,有效保证了加热系统的稳定性;
SCR energy-saving constant temperature control technology, effectively ensure the stability of the heating system;
- ▶▶ 国际标准件接口方式,便于安装和连接,施工简单快捷;
International standard parts interface mode, easy to install and connect, simple and fast construction;
- ▶▶ 专业初效过滤器,有效过滤灰尘,保证机器正常运转,提高设备使用寿命;
Professional initial effect filter, effectively filter dust, ensure the normal operation of the machine, improve the service life of the equipment
- ▶▶ 除湿机停机保护,可以有效检测转轮的运转情况,保证设备的正常运行;
Dehumidifier stop protection, can effectively detect the running of the runner, to ensure the normal operation of the equipment;
- ▶▶ 机组外壳采用高品质不锈钢材料。
The unit shell is made of high quality stainless steel material.



PRINCIPLE OF THE PRODUCT

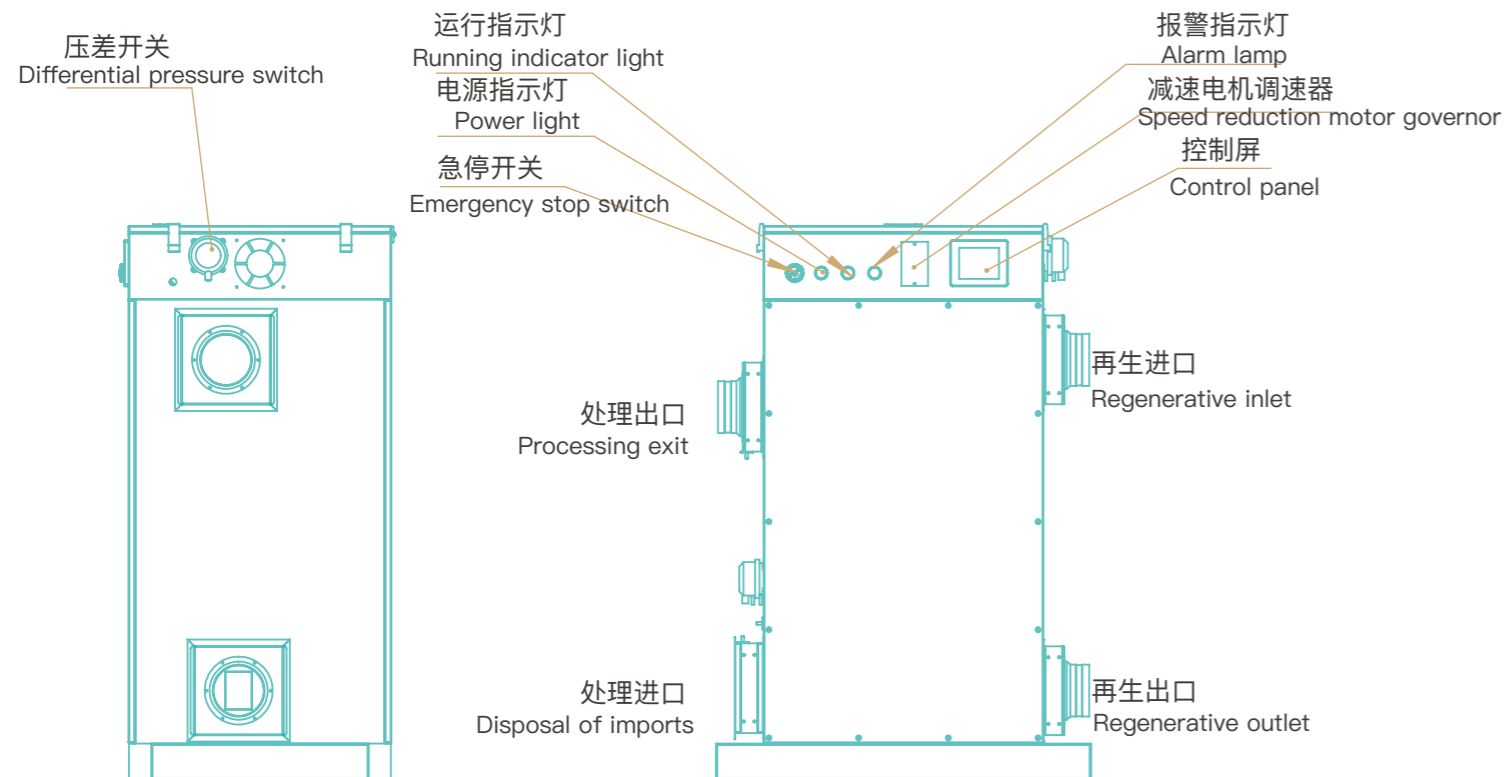
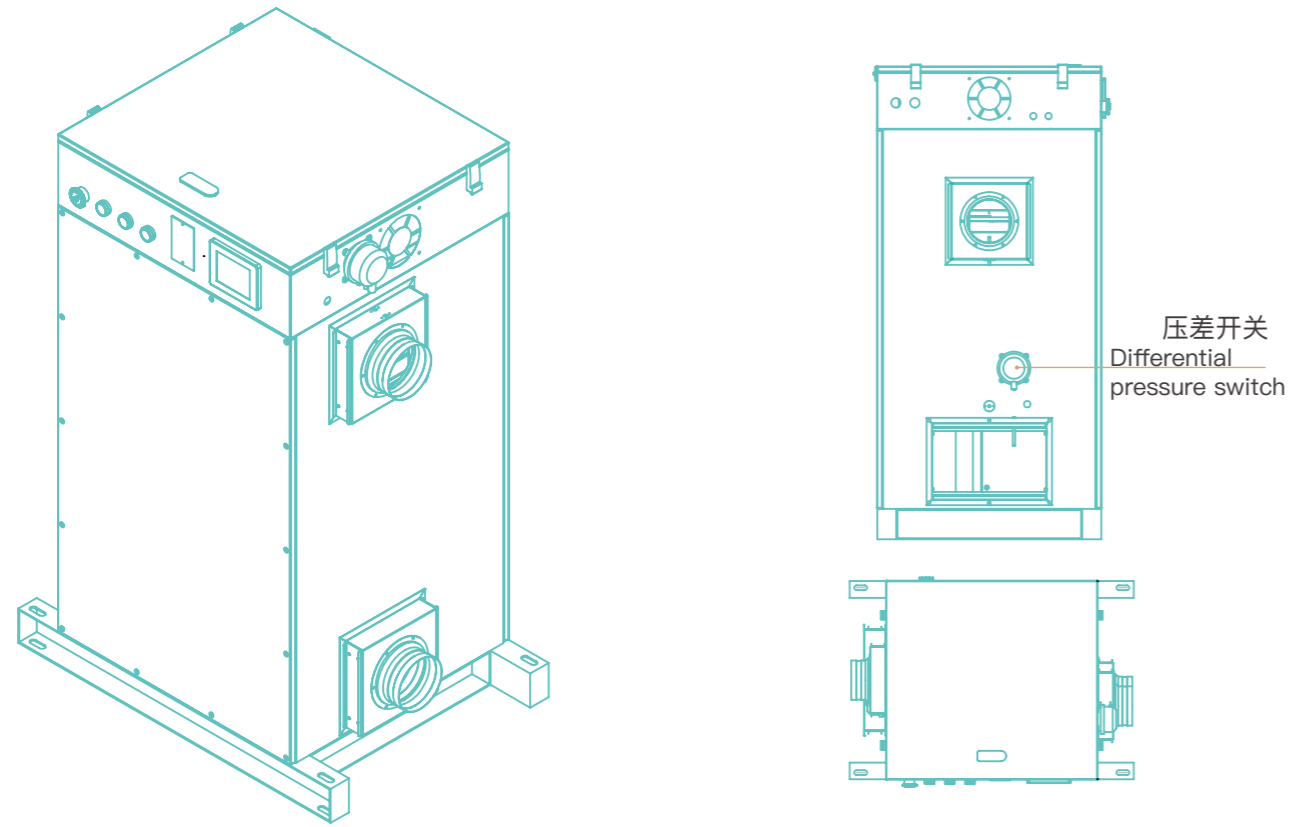
- ▶▶ 利用干燥剂吸附空气中的水蒸气,对潮湿空气进行除湿
Desiccant is used to absorb water vapor in the air and dehumidifying the humid air
- ▶▶ 核心技术为松幸公司专利产品--载有干燥剂并持续转动的转轮
The core technology is SUNCHINE's patented product -- a continuously rotating wheel loaded with desiccant
- ▶▶ 360°的转轮分为两个区域,其中270°区域为处理区域,90°区域为再生区域
The 360° wheel is divided into two zones, of which the 270° zone is the processing zone and the 90° zone is the regeneration zone
- ▶▶ 潮湿空气通过转轮的处理区域时,湿空气中的水蒸气被转轮材料上的干燥剂吸附
When wet air passes through the treatment area of the runner, the water vapor in the wet air is adsorbed by the desiccant on the runner material
- ▶▶ 转轮转到再生区域时,高温再生空气通过转轮,干燥剂上的水分被脱附
When the runner turns to the regeneration area, the high-temperature regenerated air passes through the runner, and the moisture on the desiccant is desorbed
- ▶▶ 转轮上的干燥剂被再生,转轮重新获得吸收水蒸气的能力
The desiccant on the wheel is regenerated and the wheel regains its ability to absorb water vapor
- ▶▶ 转轮持续低速运行,除湿和再生是不间断的过程,为用户持续不断提供干空气
The wheel is continuously operated at low speed, and dehumidification and regeneration are uninterrupted processes, providing the user with continuous dry air
- ▶▶ 专用超低露点节能选项,全球研发平台保驾护航,最高节能40%
Dedicated ultra-low dew point energy-saving options, global R&D platform escort, up to 40% energy saving



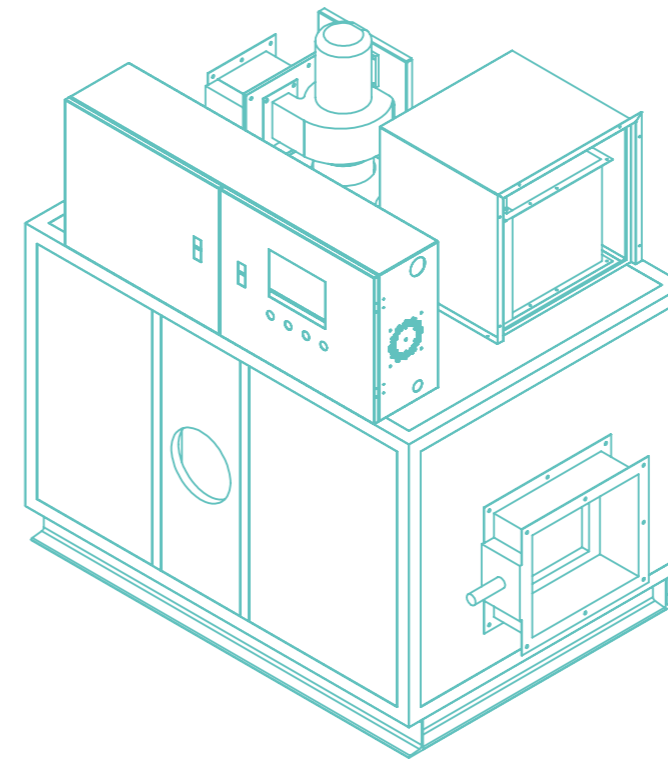
STANDALONE TYPE		SXB-200D	SXB-300D	SXB-400D	SXB-500D	SXB-600D	SXB-800D	SXB-1000D	SXB-1500D	SXB-2000D	
Processing Air Volume	m³/h	200	300	400	500	600	800	1000	1500	2000	
Reaction Air	m³/h	90	100	135	180	220	270	350	500	750	
Rated Dehumidification	kg/h	2	2.2	2.9	3.5	4.5	5.8	7.3	10	15.2	
Supply External Pressure	Pa	300	300	300	300	300	300	300	300-800(optional)		
Exhaust External Pressure	Pa	70	80	80	220	150	220	150	200-600(adjustable)		
Power	Electrical heat/kw	2.5	3.5	4.5	7.2	7	9.5	11.5	17.5	25.5	
	Steam heat/kw	/	/	/	/	0.85	/	1.1	2.4	3.2	
Temperature&Humidity		Temperature:-10°C~80°C; Humidity: 10%~99%									
Electric supply		220V/3~50Hz			380V/3~50Hz						
Reacting heat	Temperature	120±10°C									
	Power/ kW	3	3	4.2	5	6	8	10	15	22	
	Type	304 stainless steel									
	Steam Volume kg/h	3	3	4.2	5	6	8	20	30	45	
	Steam Heat Type	Steam Heater (Steam Pressure >0.2MPA)									
Fan	Fan Type	Low Noise Centrifugal Fan-Direct/Plug									
	Process Fan Power	0.37	0.37	0.37	0.75	0.55	0.75	0.75	1.5	2.2	
	Reaction Fan Power	0.12	0.12	0.12	0.37	0.2	0.37	0.2	0.75	0.75	
Speed Reducer	Type	3 Phase Gear Reducer electric motor									
	Power/kW	0.04	0.04	0.04	0.09	0.09	0.09	0.09	0.09	0.09	
	Rotor Speed	6-10R/H									
Air Filter		Plate G5+Gag F7									
Dimension	L	mm	504	504	604	654	704	704	1100	1100	1300
	W	mm	345	345	445	495	495	495	800	900	1000
	H	mm	736	736	836	836	956	956	725	925	975
Weight	kg	98	110	126	178	186	168	200	225	280	

STANDALONE TYPE		SXB-2500D	SXB-3000D	SXB-3500D	SXB-4200D	SXB-5000D	SXB-5500D	SXB-6000D	SXB-7500D
Processing Air Volume	m³/h	2500	3000	3500	4200	5000	5500	6000	7500
Reaction Air	m³/h	750	1000	1250	1400	1700	1900	2000	2500
Rated Dehumidification	kg/h	15.2	20	23	29.3	35	38	42	52.2
Supply External Pressure	Pa	300-800(optional)							
Exhaust External Pressure	Pa	200-600(adjustable)							
Power	Electrical heat/kw	25.5	33.5	40	46	54	60	66	80
	Steam heat/kw	3.2	3.2	4.9	5.6	5.6	6.5	7.8	7.8
Temperature&Humidity		Temperature:-10°C~80°C; Humidity: 10%~99%							
Electric supply		380V/3~50Hz							
Reacting heat	Temperature	120±10°C							
	Power/ kW	22	30	35	40	48	53	58	72
	Type	304 stainless steel							
	Steam Volume kg/h	45	60	70	80	96	105	116	145
	Steam Heat Type	Steam Heater (Steam Pressure >0.2MPA)							
Fan	Fan Type	Low Noise Centrifugal Fan-Direct/Plug							
	Process Fan Power	2.2	2.2	4.0	4.0	4.0	4.0	5.5	5.5
	Reaction Fan Power	0.75	0.75	0.75	1.5	1.5	2.2	2.2	2.2
Speed Reducer	Type	三相齿轮减速电动机							
	Power/kW	0.09	0.09	0.09	0.09	0.09	0.09	0.12	0.12
	Rotor Speed	6-10R/H							
Air Filter		Plate G5+Gag F7							
Dimension	L	mm	1300	2200	2200	2200	2200	2400	2400
	W	mm	1100	1500	1500	1500	1500	1500	1500
	H	mm	975	2400	2400	2400	2400	2400	2400
Weight	kg	320	380	380	380	420	420	450	530

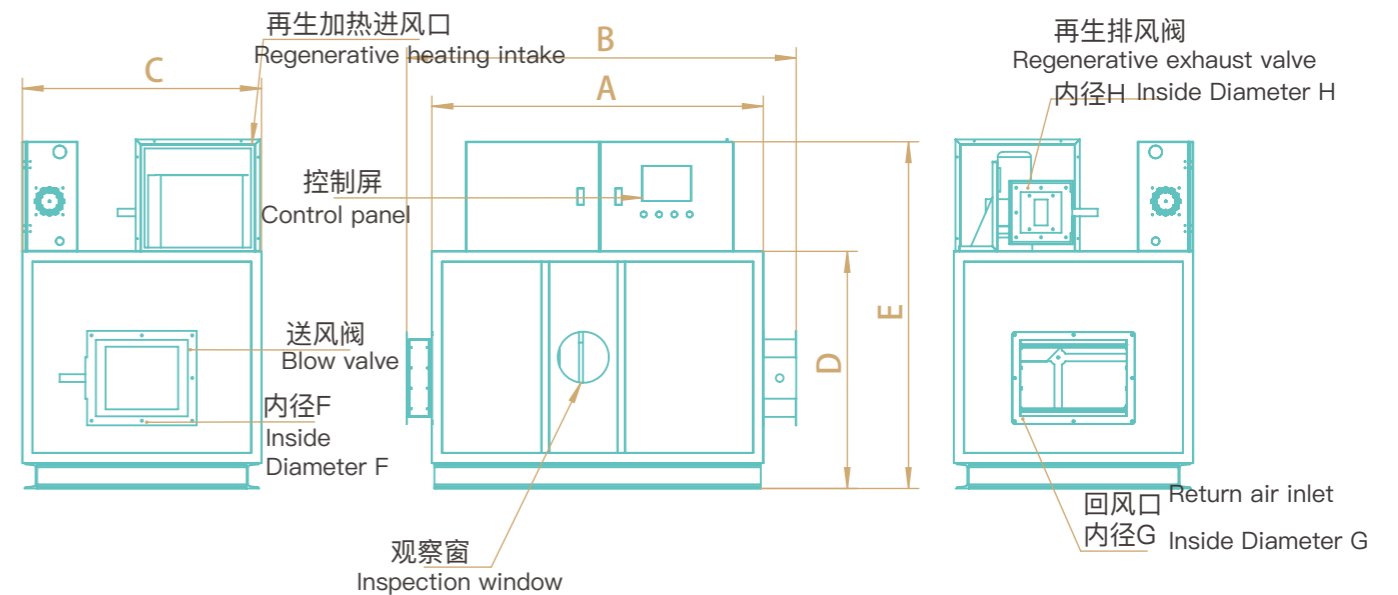
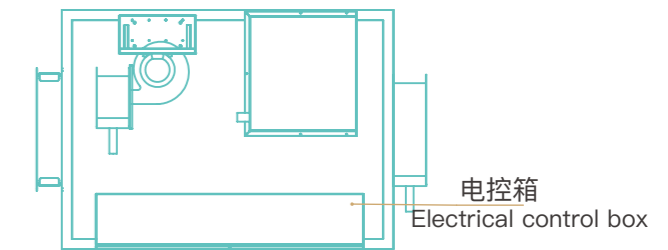
PRODUCT LINE DIAGRAM



PRODUCT LINE DIAGRAM



	SXDL-1000	SXDL-2000	SXDL-3000	SXDL-5000
A	1200	1300	1800	1800
B	1428	1528	2028	2028
C	888	938	1300	1500
D	780	930	1130	1600
E	1219	1360	1949	2270
F	350*350	360*300	480*380	510*390
G	380-380	420*300	600*600	675*475
H	160*160	160*160	160*160	160*160



COMBINATED ROTARY DEHUMIDIFIER

组合式转轮除湿机



PRODUCT INTRODUCTION

SX系列转轮除湿机组是本公司在吸收国内外众多最新设计成果基础上的结晶之作;它主要适用于对湿度品质要求较高的空调洁净环境和除湿工艺场所;该机组有多种系列型号可选择,可广泛应用于医药储藏、低温冷库、血库中心、化工、制药、军工、实验室、船舶检修等场所;它具有除湿效果好、结构简单、运行稳定、维护方便等优点。

SX series rotary dehumidification unit is the crystallization of the company in absorbing many of the latest design achievements at home and abroad; It is mainly suitable for air conditioning clean environment with high humidity quality requirements and dehumidification process sites; The unit has a variety of series models to choose from, can be widely used in medical storage, low temperature cold storage, blood bank center, chemical, pharmaceutical, military, laboratory, ship maintenance and other places; It has the advantages of good dehumidification effect, simple structure, stable operation and easy maintenance.

PRODUCT FEATURES



智能控制
Intelligent control



双层加热
Double layer heating



节能恒温
Energy saving constant temperature



停转保护
Stop rotation protection



高效吸附
Efficient adsorption



空气净化
Air purification



方便维护
Easy to maintain



品牌电器
Brand Electrical Appliances



降噪处理
Noise reduction processing



送风强劲
Strong air supply



安全防护
Safety protection



故障提示
Fault prompt

PRODUCT FEATURES

- 01 采用进口高效硅胶材料转轮, 对水蒸气具有超高的吸附效率
Imported high-efficiency silica gel material runner, with ultra-high adsorption efficiency for water vapor
- 02 配备特殊耐高温及低泄露密封系统, 在较高温度下也能稳定除湿;
Equipped with special high temperature resistance and low leakage sealing system, it can stably dehumidify at higher temperatures;
- 03 一体化设计, 维护方便, 转轮可直接清洗;
Integrated design, easy maintenance, runner can be cleaned directly;
- 04 采用免排水设计, 将水蒸气随热风排出至室外;
With no drainage design, the water vapor is discharged to the outside with the hot air;
- 05 PLC编程控制可选;
PLC programming control is optional;
- 06 触摸屏操作控制;
Touch screen operation control;
- 07 高效节能的转轮除湿机
Energy efficient rotary dehumidifier
- 08 独特的无框架结构, 完全密封的整体发泡设计
Unique frameless construction, completely sealed overall foam design
- 09 操作简单便捷、设备运行状况实时可控
The operation is simple and convenient, and the equipment running status is controllable in real time
- 10 易于维保的平开门设计
Easy to maintain flat door design
- 11 更大的检修空间设计
Larger maintenance space design
- 12 降低的能耗和运营成本
Reduced energy consumption and operating costs
- 13 超低的维修成本和维修频率
Low maintenance cost and frequency
- 14 防止霉变、腐蚀造成的设备故障或产品损失
Prevent equipment failure or product loss caused by mildew and corrosion
- 15 提高工艺环境的卫生条件
Improve the sanitary conditions of the process environment
- 16 直燃式燃气再生机型可选
Direct combustion gas regeneration model is optional
- 17 大功率、短火焰, 设计满足ANSI/CSA标准
High power, short flame, designed to meet ANSI/CSA standards

APPLICATION SCENARIOS

广泛应用于生产车间、大型仓库、地下室等相对封闭、通风不良、潮湿压抑的环境。

Widely used in production workshops, large warehouses, basements and other relatively closed, poorly ventilated, damp and depressed environment.



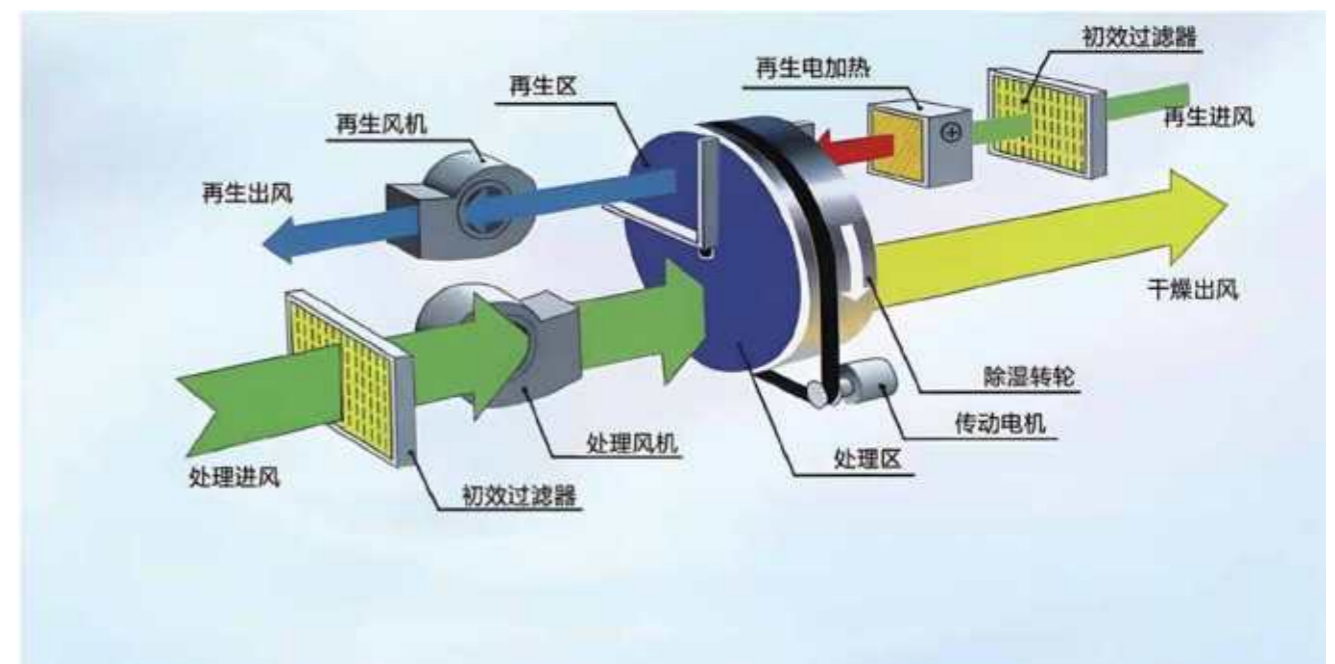
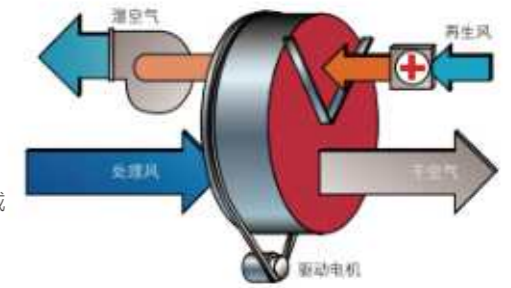
PRODUCT FEATURES

- ▶▶ 高效除湿能力
Efficient dehumidification capability
采用先进的除湿技术，能够高效地去除空气中的水分，快速降低湿度
Using advanced dehumidification technology, it can efficiently remove moisture from the air and reduce humidity quickly
- ▶▶ 自动湿度控制
Automatic humidity control
具备自动湿度控制功能,可以根据设定的湿度值自动启停运行
With automatic humidity control function, it can automatically start and stop operation according to the set humidity value
- ▶▶ 低噪音设计
Low noise design
采用静音设计和噪音控制技术，运行时噪音较低
With quiet design and noise control technology, low noise during operation
- ▶▶ 方便使用和维护
Easy to use and maintain
具备易于操作的控制面板，可以轻松设置模式、湿度控制等
Easy to use control panel, easy to set mode, humidity control and more
- ▶▶ 高效除湿能力
Efficient dehumidification capability
采用先进的除湿技术，能够高效地去除空气中的水分，快速降低湿度
Using advanced dehumidification technology, it can efficiently remove moisture from the air and reduce humidity quickly



PRINCIPLE OF THE PRODUCT

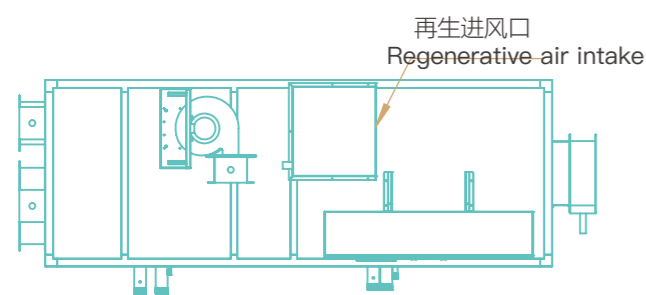
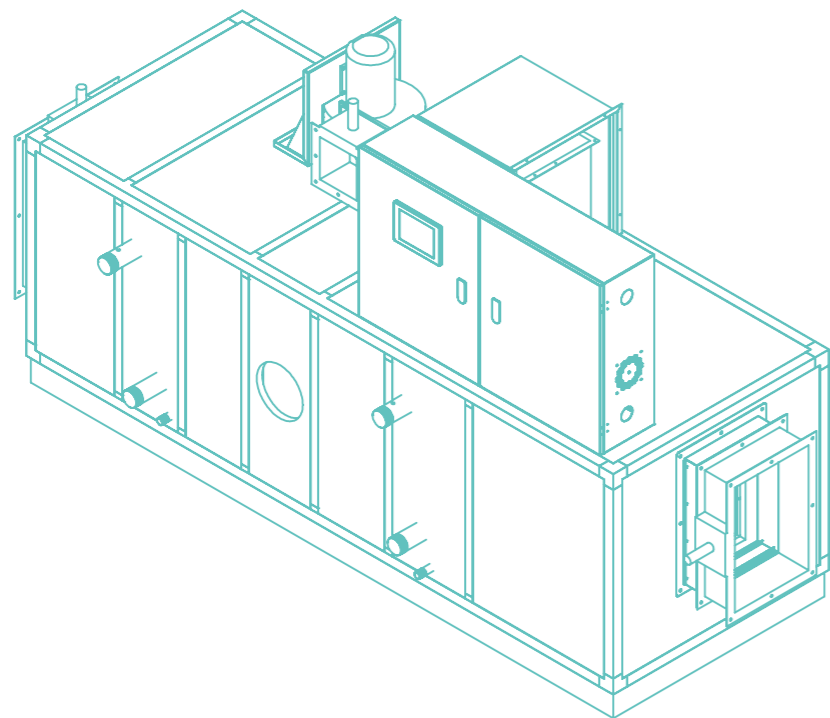
- ▶▶ 利用干燥剂吸附空气中的水蒸气，对潮湿空气进行除湿
Desiccant is used to absorb water vapor in the air and dehumidifying the humid air
- ▶▶ 核心技术为松幸公司专利产品--载有干燥剂并持续转动的转轮
The core technology is Sunchine's patented product – a continuously rotating wheel loaded with desiccant
- ▶▶ 360°的转轮分为两个区域，其中270°区域为处理区域，90°区域为再生区域
The 360° wheel is divided into two zones, of which the 270° zone is the processing zone and the 90° zone is the regeneration zone
- ▶▶ 潮湿空气通过转轮的处理区域时，湿空气中的水蒸气被转轮材料上的干燥剂吸附
When wet air passes through the treatment area of the runner, the water vapor in the wet air is adsorbed by the desiccant on the runner material
- ▶▶ 转轮转到再生区域时，高温再生空气通过转轮，干燥剂上的水分被脱附
When the runner turns to the regeneration area, the high-temperature regenerated air passes through the runner, and the moisture on the desiccant is desorbed
- ▶▶ 转轮上的干燥剂被再生，转轮重新获得吸收水蒸气的能力
The desiccant on the wheel is regenerated and the wheel regains its ability to absorb water vapor
- ▶▶ 转轮持续低速运行，除湿和再生是不间断的过程，为用户持续不断提供干空气
The wheel is continuously operated at low speed, and dehumidification and regeneration are uninterrupted processes, providing the user with continuous dry air
- ▶▶ 专用超低露点节能选项，全球研发平台保驾护航，最高节能40%
Dedicated ultra-low dew point energy-saving options, global R&D platform escort up to 40% energy saving



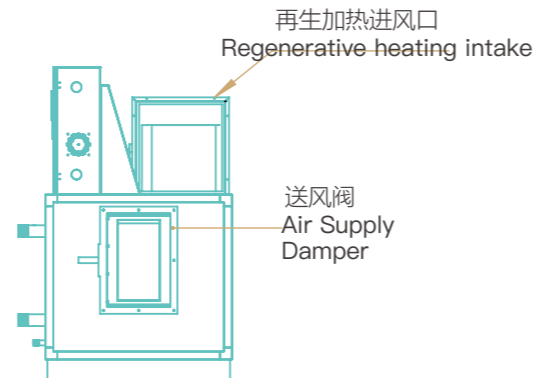
Combined Rotary Dehumidifier			SXB-650Z	SXB-1050Z	SXB-1500Z	SXB-1850Z	SXB-2200Z	SXB-3000Z
Processing Air Volume	m³/h		650	SXB-1050Z	SXB-1500Z	1850	2200	3000
Reaction Air	m³/h		220	350	500	620	750	1000
Rated Dehumidification	kg/h		4.5	7.3	7.3	13	15.2	20
Supply External Pressure	Pa		300	300	300	300-800(可选)		
Exhaust External Pressure	Pa		150	150	200-600(可调)			
Power	Electrical heat/kw		7	11.5	17.5	21.5	25.5	33.5
	Steam heat/kw		0.85	1.1	2.4	3.2	3.2	3.2
Temperature&Humidity		Temperature:-10°C~80°C; Humidity:10%~99%						
Electric supply		380V/3~50Hz						
Reacting heat	Temperature	120±10°C						
	Power/ kW		6	10	15	18	22	30
	Type	304 Stainless steel						
	Steam Volume kg/h		12	20	30	36	45	60
	Steam Heat Type	Steam heater (Steam pressure>0.2MPA)						
Fan	Fan Type	Low Noise Centrifugal Fan-Direct/Plug						
	Process Fan Power		0.55	0.75	1.5	2.2	2.2	2.2
	Reaction Fan Power		0.2	0.2	0.75	0.75	0.75	0.75
Speed Reducer	Type	Three Phase Gear Reduce motor						
	Power/kW		0.09	0.09	0.09	0.09	0.09	0.09
	Rotor Speed	6-10R/H						
Cooling Section	Pre-Cooler	Air-cooled,water cooled or connect to chilled water is available in pre-cooler section						
	Pre-Cooling /kw		5	8.5	12	14.5	17	23.5
	Post Cooler	Air-cooled,water-cooled or connect to chilled water is available in post-cooler section						
	Post Cooling /kw		4.5	7.2	10.5	12.5	15.5	21
Supply Air Heating Section		Hot water,steam or electrical heating are available during supply air heating section and post-cooling heating setction						
Supply Air Heating Capacity			2.8	4.5	6.5	8	9	12
Air Filter		Plate G5+ Bag F7						
Dimension	L	mm	3000	3000	3800	3800	3800	4000
	W	mm	800	800	1120	1120	1120	1270
	H	mm	1600	1600	1970	1970	1970	2200
Weight		kg	236	420	600	680	960	1150

Combined Rotary Dehumidifier			SXB-3500Z	SXB-4200Z	SXB-5000Z	SXB-5500Z	SXB-6000Z	SXB-7500Z
Processing Air Volume	m³/h		3500	4200	5000	5500	6000	7500
Reaction Air	m³/h		1250	1400	1700	1900	2000	2500
Rated Dehumidification	kg/h		23	29.3	35	38	42	52.2
Supply External Pressure	Pa		300-800(Optional)					
Exhaust External Pressure	Pa		200-600(Adjustable)					
Power	Electrical heat/kw		40	46	54	60	66	80
	Steam heat/kw		4.9	5.6	5.6	6.5	7.8	7.8
Temperature&Humidity		温度-10°C~80°C; 湿度10%~99%						
Electric supply		380V/3~50Hz						
Reacting heat	Temperature	120±10°C						
	Power/ kW		35	40	48	53	58	72
	Type	304 Stainless steel						
	Steam Volume kg/h		70	80	96	105	116	145
	Steam Heat Type	Steam heater (Steam pressure>0.2MPA)						
Fan	Fan Type	Low Noise Centrifugal Fan-Direct/Plug						
	Process Fan Power		4	4	4	4	5.5	5.5
	Reaction Fan Power		0.75	1.5	1.5	2.2	2.2	2.2
Speed Reducer	Type	Three Phase Gear Reduce motor						
	Power/kW		0.09	0.09	0.09	0.09	0.12	0.12
	Rotor Speed	6-10R/H						
Cooling Section	Pre-Cooler	Air-cooled,water cooled or connect to chilled water is available in pre-cooler section						
	Pre-Cooling /kw		27.5	32.5	39	43	47	58
	Post Cooler	Air-cooled,water-cooled or connect to chilled water is available in post-cooler section						
	Post Cooling /kw		24.5	29.2	35	38	42	52
Supply Air Heating Section		Hot water,steam or electrical heating are available during supply air heating section and post-cooling heating setction						
Supply Air Heating Capacity			15	18	22	24	26	32
Air Filter		Plate G5+ Bag F7						
Dimension	L	mm	4000	4000	4500	4500	4500	4500
	W	mm	1270	1270	1570	1570	1570	1750
	H	mm	2200	2200	2200	2200	2200	2320
Weight		kg	1450	1600	1800	1800	2000	2200

PRODUCT LINE DIAGRAM

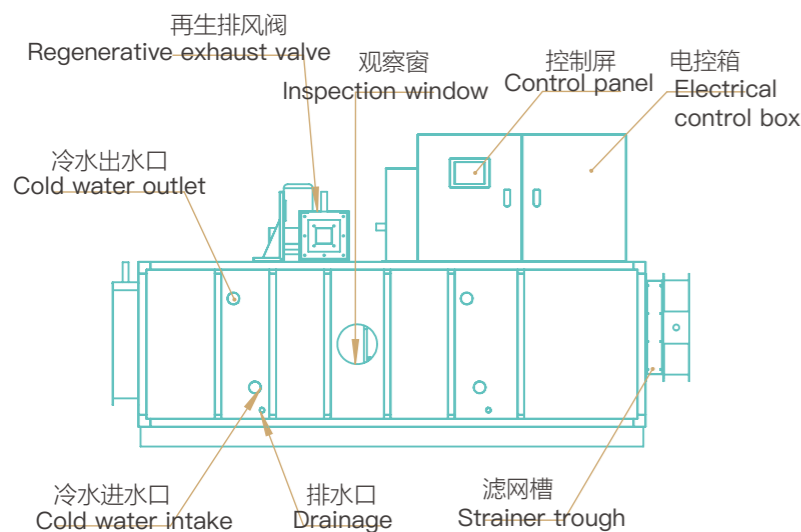


再生进风口
Regenerative-air intake



再生加热进风口
Regenerative heating intake

送风阀
Air Supply Damper



再生排风阀
Regenerative-exhaust valve

观察窗
Inspection window

控制屏
Control panel

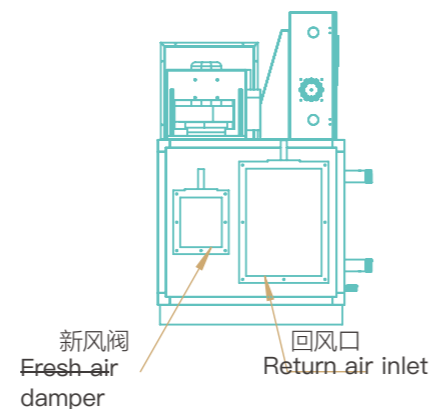
电控箱
Electrical control box

冷水出水口
Cold water outlet

冷水进水口
Cold water intake

排水口
Drainage

滤网槽
Strainer trough

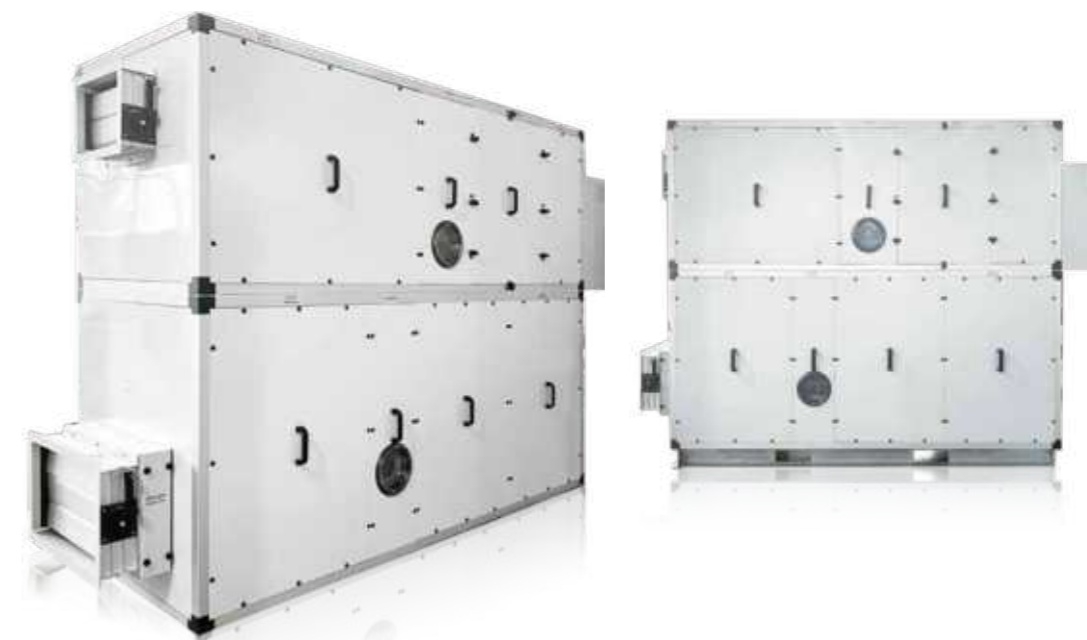


新风阀
Fresh air damper

回风口
Return air inlet

LOW DEW POINT ROTARY DEHUMIDIFIER

低露点转轮除湿机



PRODUCT ADVANTAGES

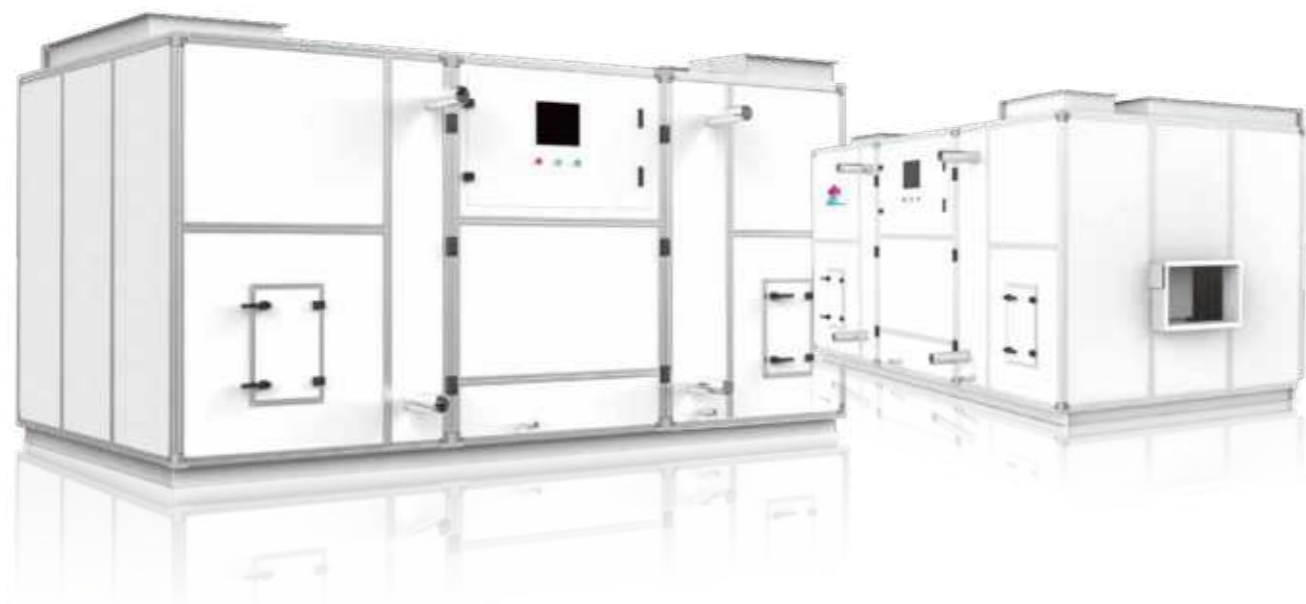
- 1.不受环境的温度限制；传统机械制冷的除湿机，当环境温度低于18°C时，除湿效果会明显降低，而采用转轮除湿机仍能正常运转。
 - 2.低湿、低温环境下吸湿能力强；可以用于要求露点温度低于-65°C除湿领域。因而具有出色的吸湿能力，能够满足绝大多数应用领域的除湿要求。
 - 3.运行时产生的噪音小；采用转轮技术的除湿机，由于没有压缩机，噪音自然会下降许多，相比之下转轮技术的除湿机在静音模式下，会比压缩机噪声减小10分贝左右。
 - 4.长期运转、维护简便；转轮除湿机可以连续长期运行，无需更换吸湿剂，机械部分也没有经常需要更换的易损件，运行维护非常简便可靠。
1. Not limited by the temperature of the environment; The dehumidifier of traditional mechanical refrigeration, when the ambient temperature is below 18°C, the dehumidification effect will be significantly reduced, and the rotary dehumidifier can still operate normally.
 2. Strong hygroscopic ability in low humidity and low temperature environment; Can be used for dehumidification where the dew point temperature is below -65°C. Therefore, it has excellent moisture absorption ability and can meet the dehumidification requirements of most application fields.
 3. Low noise during operation; The dehumidifier using rotary technology, because there is no compressor, the noise will naturally decrease a lot, in contrast, the dehumidifier with rotary technology will reduce the noise of the compressor by about 10 decibels in silent mode.
 4. Long-term operation, easy maintenance; The rotary dehumidifier can run continuously for a long time, without replacing the moisture absorbent, and the mechanical part does not have the wearing parts that need to be replaced frequently, so the operation and maintenance are very simple and reliable.

Low dew combined Rorary Dehumidifier			SXB-650Z	SXB-1050Z	SXB-1500Z	SXB-1850Z	SXB-2200Z	SXB-3000Z
Processing Air	m³/h		650	1050	1500	1850	2200	3000
Fresh Air	m³/h		280	460	650	800	1000	1300
Reaction Air	m³/h		220	350	500	17	750	1000
Dehumidification	kg/h		5.8	9.5	13	9.5	19.8	26
External pressure	Pa		300	300	300	300-800(Optional)		
Reac-Resi-Pre	Pa		150	150	200-600(Adjustable)			
Power	Electrical heat/kw		12.5	20.5	27	33	41	56
	Steam heat/kw		2.3	2.3	3	3	4.8	5.8
Temperature&Humidity			Temperature:-10°C~80°C; Humidity: 10%-99%					
Air Supply Parameter			Temp:22±3°C; Dew Temp: <-45°C, Relative Humidity<1%					
Electric supply			380V/3~50Hz					
Reacting heat	Temperature		150±10°C					
	Power/ kW		10	18	24	30	36	50
	Type		304 stainless electrical heat pipe					
	Steam Vlolume kg/h		18	32	42	52	62	85
	Steam Heat Type		Steam Heater (Steam pressure>0.2MPA)					
Fan	Fan Type		Low Noise Centrifugal Fan-Direct/Plug					
	Process Fan Power		1.5	1.5	2.2	2.2	3	4
	Reaction Fan Power		0.75	0.75	0.75	0.75	1.5	1.5
Speed Reducer	Type		Three Phase Gear Reduce motor					
	Power/kW		0.12	0.12	0.12	0.12	0.12	0.12
	Rotor Speed		6-10R/H					
Cooling Section	Pre-cooling Section		Air-cooled,water cooled or connect to chilled water is available in pre-cooler section					
	FA Cooling /kw		6.2	10.0	14.2	17.5	22.0	28.5
	Pre-cooling /kw		2.4	3.0	4.0	5.0	5.8	8.0
	Post-Cooling section		Air-cooled,water-cooled or connect to chilled water is available in post-cooler section					
	Post-Cooling/kw		5.2	8.3	12	15	17.5	24
Supply Air Heating Section			Hot water,steam or electrical heating are available during supply air heating section and post-cooling heating setction					
Supply Air Heating /KW			2.8	4.5	6.5	8	9	12
Air Filter			Plate G5+Bag F7					
Dimension	L	mm	3000	3000	3800	3000	3800	4000
	W	mm	800	800	1120	800	1120	1270
	H	mm	1600	1600	1970	1600	1970	2200
Weight	kg		600	780	870	980	1200	1500

Low dew combined Rorary Dehumidifier			SXB-3500Z	SXB-4200Z	SXB-5000Z	SXB-5500Z	SXB-6000Z	SXB-7500Z
Processing Air	m³/h		3500	4200	5000	5500	6000	7500
Fresh Air	m³/h		1620	1800	2200	2500	2600	3200
Reaction Air	m³/h		1250	1400	1700	1900	2000	2500
Dehumidification	kg/h		30	38	45	48.2	55	68
External pressure	Pa		300-800(Optional)					
Reac-Resi-Pre	Pa		200-600(Adjustable)					
Power	Electrical heat/kw		62	73	83	89	111	131
	Steam heat/kw		5.8	8	8	9	11	11
Temperature&Humidity			Temperature:-10°C~80°C; Humidity: 10%-99%					
Air Supply Parameter			Temp:22±3°C; Dew Temp: <-45°C, Relative Humidity<1%					
Electric supply			380V/3~50Hz					
Reacting heat	Temperature		150±10°C					
	Power/ kW		56	65	75	80	100	120
	Type		304 stainless electrical heat pipe					
	Steam Vlolume kg/h		96	110	130	140	180	205
	Steam Heat Type		Steam Heater (Steam pressure>0.2MPA)					
Fan	Fan Type		Low Noise Centrifugal Fan-Direct/Plug					
	Process Fan Power		4	5.5	5.5	5.5	7.5	7.5
	Reaction Fan Power		1.5	2.2	2.2	3	3	3
Speed Reducer	Type		Three Phase Gear Reduce motor					
	Power/kW		0.12	0.12	0.12	0.12	0.2	0.2
	Rotor Speed		6-10R/H					
Cooling Section	Pre-cooling Section		Air-cooled,water cooled or connect to chilled water is available in pre-cooler section					
	FA Cooling /kw		35	40	40	55	57	70
	Pre-cooling /kw		8.6	11.5	11.5	14	16	20
	Post-Cooling section		Air-cooled,water-cooled or connect to chilled water is available in post-cooler section					
	Post-Cooling/kw		28	33	33	45	48	60
Supply Air Heating Section			Hot water,steam or electrical heating are available during supply air heating section and post-cooling heating setction					
Supply Air Heating /KW			15	18	18	24	26	32
Air Filter			Plate G5+Bag F7					
Dimension	L	mm	4000	4000	4000	4500	4500	4500
	W	mm	1270	1270	1270	1570	1570	1750
	H	mm	2200	2200	2200	2200	2200	2320
Weight	kg		1500	1800	1800	2000	2200	2500

MULTI-FUNCTIONAL POOL DEHUMIDIFIER WITH HEAT PUMP

三集一体泳池除湿热泵



产品介绍 PRODUCT INTRODUCTION

松幸多功能泳池除湿热泵空调机组系统控制简单且稳定，泳池专用除湿热泵为一体化专用机组，内置冷热两用盘管，同时控制室内温度、湿度，波动小、精度高。除湿热泵的专用控制程序，适用于室内泳池、水疗池厅等场所，还可以根据室内外负荷做出合理的变化。该热泵一般还具有，新风排风功能，热回收功能，因此也有人叫它五集一体。

松幸泳池三集一体恒温除湿热泵，是一种集恒温、除湿、空调于一体的新型高效节能设备泳池恒温除湿热泵在加热除湿的运行模式下，泳池恒温除湿热泵综合能效比高达10.0以上，节能效果显著，全国众多样板工程，泳池恒温除湿热泵优选机型。全年平均能效高达6.0更安全、更节能、更舒适，芬尼泳池热泵系列机组，是一种采用了多种先进技术的新型泳池恒温加热的设备泳池热泵打破了以往依赖矿石燃料加热与恒温的“尴尬”局面。

Sunchine multi-function pool dehumidification heat pump air conditioning unit system control is simple and stable, pool special dehumidification heat pump is an integrated special unit, built-in cold and hot dual purpose coil, while controlling indoor temperature and humidity, low fluctuation, high precision. The special control program of dehumidification heat pump is suitable for indoor swimming pool, spa pool hall and other places, and can also make reasonable changes according to indoor and outdoor load. The heat pump generally also has a fresh air exhaust function and heat recovery function, so some people call it five in one.

SUNCHINE Pool three integrated constant temperature dehumidification heat pump, is a set of constant temperature, dehumidification, air conditioning in one of the new high efficiency and energy saving equipment pool constant temperature dehumidification heat pump in the operation mode of heating dehumidification, the pool constant temperature dehumidification heat pump comprehensive energy efficiency ratio of more than 10.0, energy saving effect is significant, many sample projects in the country, pool constant temperature dehumidification heat pump preferred model. The annual average energy efficiency is as high as 6.0 safer, more energy efficient and more comfortable, Finney pool heat pump series units, is a new type of pool constant temperature heating equipment using a variety of advanced technologies Pool heat pump has broken the "embarrassing" situation of relying on fossil fuel heating and constant temperature.

产品特点 PRODUCT FEATURES

- 01 除湿过程回收80%的湿热空气中的“潜热”，与传统的通风除湿相比，平均节约费用40-60%
- 02 一台松幸除湿热泵涵盖降温、加热、恒温、水加热、热能回收、处理新风五大功能，全面创造优质空气环境
- 03 水电分离安全运行，无触电、易燃、易爆、中毒等安全隐患
- 04 冷媒压缩系统配件与风道系统独立分开，杜绝含氯空气对热泵设备的腐蚀
- 05 配备高品质品牌涡旋压缩机，运行稳定，故障率低。热力膨胀阀、电子电器等关键零部件均为知名品牌部件
- 06 采用精密可靠的自动化电传控制系统，触摸式真彩液晶显示屏，操作简单，PLC控制系统可以通过互联网接入楼宇进行远程控制
- 07 采用环保R407C或R410A冷媒无氟系统，节能减排、无污染
- 08 采用光催化高级氧AOT技术去除室内空气中的氨氯等消毒副产品DBPS和其它挥发性有机VOCS，消除游泳馆空气污染和哮喘病的诱因
- 09 面板采用GI镀锌钢材，内嵌聚氨酯(PU)防火隔音保温材料;边框采用防冷桥铝合金，坚固的模块结构，方便拆装维护
- 10 压力保护:高压过高保护、低压过低保护、水流保护
- 11 温度保护:排气温度过高保护、压缩机高温保护，热水温度过高保护
- 12 电源保护:缺相保护、逆相保护、压缩机过载保护

- ▶ The dehumidification process recovers 80% of the "latent heat" in the hot and humid air, and saves an average of 40 to 60% compared with the traditional ventilation dehumidification
- ▶ A Sunchine dehumidification heat pump covers cooling, heating, constant humidity, water heating, heat recovery, treatment of fresh air five functions, to create a high-quality air environment
- ▶ Water and electricity separation safe operation, no electric shock, flammable, explosive, poisoning and other safety hazards
The refrigerant compression system accessories are separated from the air duct system to prevent the corrosion of chlorine-containing air on the heat pump equipment
- ▶ Equipped with high quality brand scroll compressor, stable operation, low failure rate. Thermal expansion valves, electronic appliances and other key components are well-known brand parts
- ▶ The use of precision and reliable automatic telex control system, touch type true color LCD screen, simple operation, PLC control system can be remotely controlled through Internet access to the building
- ▶ The use of environmental protection R407C or R410A refrigerant fluorine-free system, energy saving, emission reduction, no pollution
- ▶ The use of photocatalytic advanced oxygen AOT technology to remove disinfection byproducts such as ammonia chlorine DBPS and other volatile organic
- ▶ VOCS in indoor air to eliminate air pollution in swimming pools and asthma inducements
- ▶ The panel is made of GI galvanized steel, inlaid with polyurethane (PU) fireproof, sound insulation material; Frame adopts anti-cold bridge aluminum alloy, solid module structure, easy disassembly and maintenance
- ▶ Pressure protection: high pressure protection, low pressure protection, water flow protection
- ▶ Temperature protection: excessive exhaust temperature protection, compressor high temperature protection, hot water temperature protection
- ▶ Power protection: phase loss protection, reverse phase protection, compressor overload protection

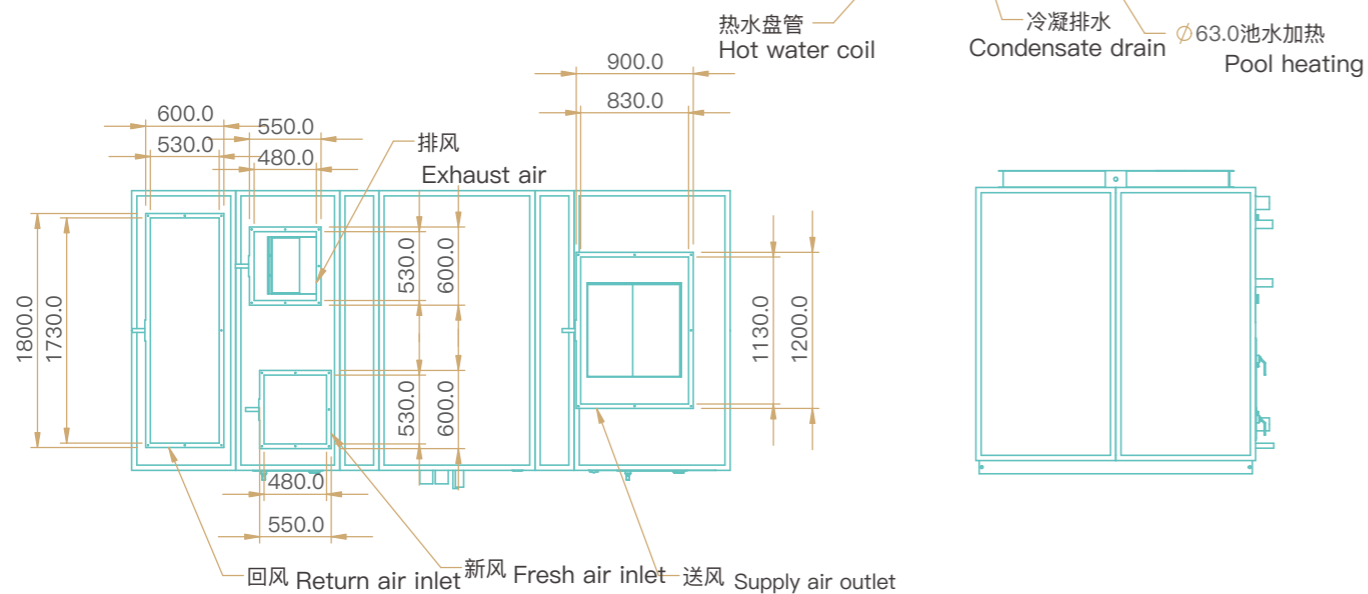
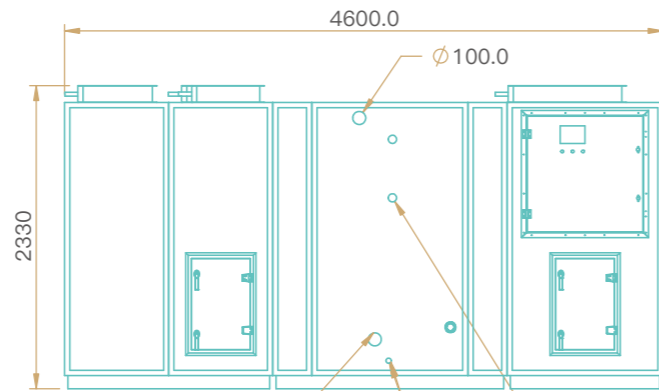
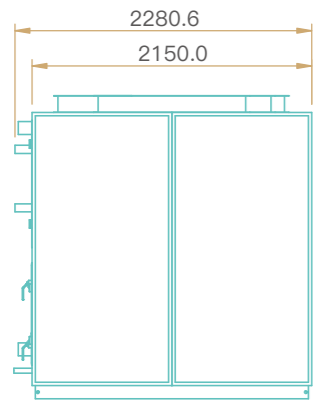
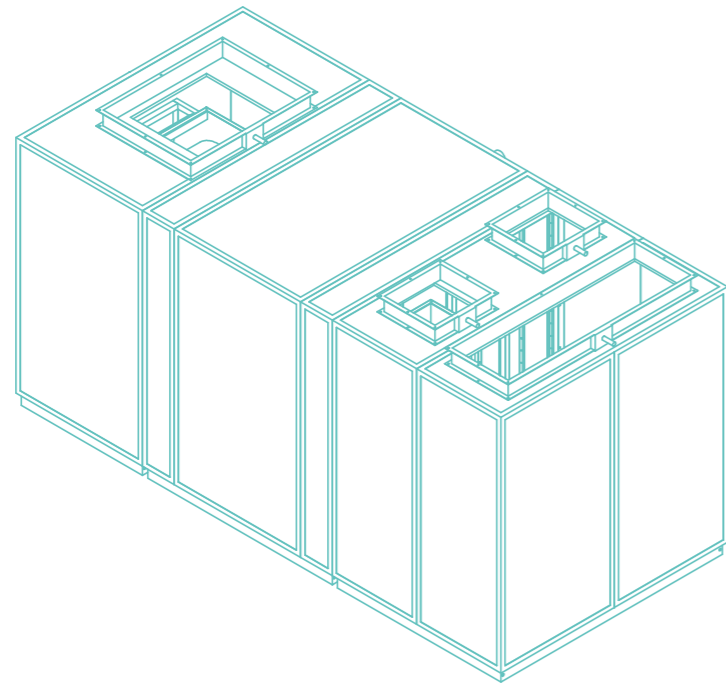
产品特性 PRODUCT FEATURES



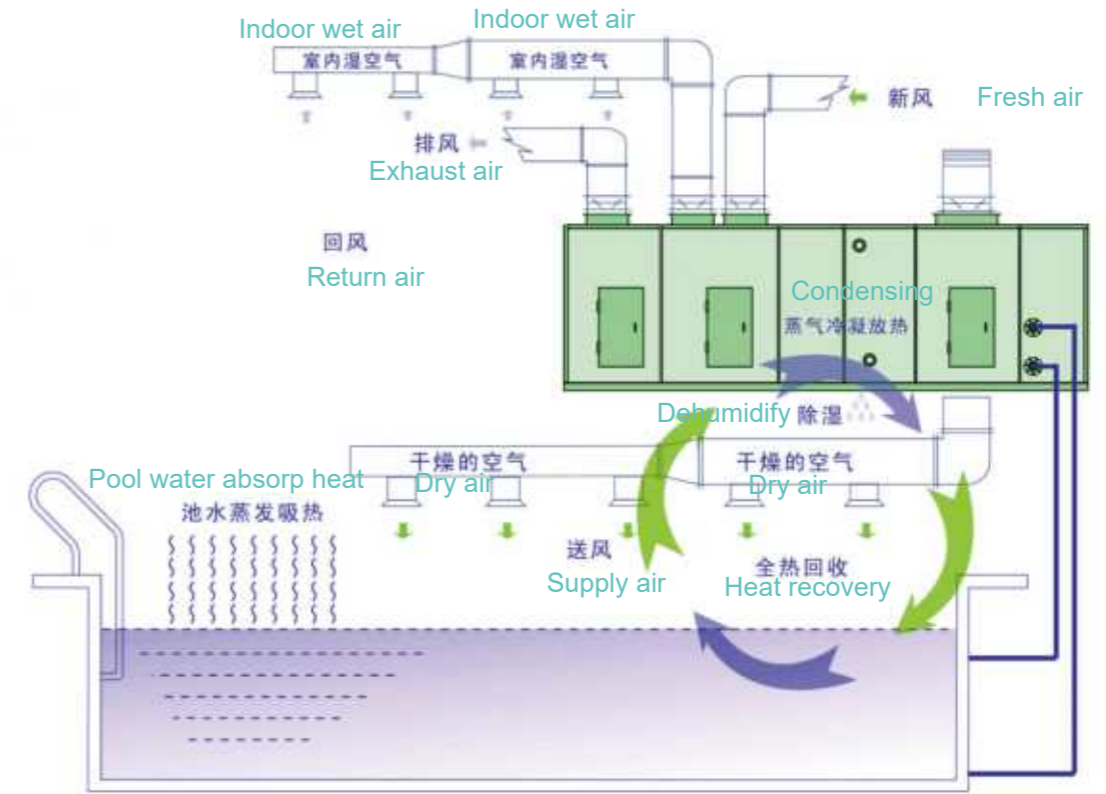
Parameter			UNIT	SXYCK-30S	SXYCK-40S	SXYCK-50S	SXYCK-60S	SXYCK-80S	
	Dehumidification (at28°C, 60%)		kg/h	30	40	50	60	80	
	Total Cooling Capacity		kW	45	67	80	95	123	
	Total Heating Capacity		kW	55	81	96	115	148	
	Total Input Power		kW	22	26	29	37	47	
	Rated Air Flow		M³/h	6000	9000	11000	14000	17000	
	Fresh Air		M³/h	0-1800	0-2700	0-3300	0-4200	0-5100	
	Exhaust Air		M³/h	0-2500	0-3500	0-4000	0-5000	0-6000	
Compressor	Type		-	Enclosure fixed frequency scroll compressor					
	Brand		-	Panasonic /Coopland					
	Type		-	Enclosure variable frequency scroll compressor(optional)					
	Refrigerant		-	R22/R407C/R410A					
Fan	Type			Casing Centrifugal Fan					
	Supply Fan	Power	kW	1.8	3	5.5	7.5	7.5	
		ESP	Pa	200	200	300	400	450	
	Exhaust Fan	Power	kW	0.55	0.55	1.1	2.2	3	
		ESP	Pa	100	100	150	200	250	
Condenser / Evaporator	Type			Shell type fins					
	Material			Hydrophilic membrane aluminum fins (anti-corrosion coating)					
	Refrigerant			Externally balanced thermal expansion valves					
Heating Coils	Air Heat Coils	Heat Capacity	kW	55	68	82	106	136	
		w-resistance	kPa	14	16	20	25	26	
		Pipe Dia	mm	DN50	DN50	DN50	DN50	DN50	
Water-heated condenser	Type			Shell/Casing					
	Material			Copper-titanium alloy					
	w-resistance	kPa	10	10	12	15	15		
	w Circulate	M³/h	11	16	20	27	33		
	Pipe Dia		DN50	DN50	DN50	DN50	DN50		
	Filter		Type		Plate+ bag				
	Indoor Unit Noise		dBA	58	60	64	65	68	
Connecting Pipes	Drainage Pipe		mm	DN32					
	Gas Pipe φ		mm	7/8 (22.2)	1-3/8 (35)	1-3/8 (35)	7/8 (22.2) *2	1-3/8 (35) *2	
	Liquid Pipe φ		mm	5/8 (15.88)	7/8 (22)	7/8 (22)	5/8 (15.88) *2	7/8 (22) *2	
Indoor Unit Dimension & weight	Length		mm	3800	4000	4300	4300	4200	
	Width		mm	1500	1500	1980	1980	2200	
	Height		mm	1500	1630	1900	1900	2330	
	Weight		kg	525	720	900	1050	1380	
Outdoor Unit Dimension & Weight	Quantity		↑	1	1	1	2	2	
	Length		mm	1560	1950	1950	1560	1950	
	Width		mm	900	1160	1160	900	1160	
	Height		mm	960	1200	1200	960	1200	
	Weight		kg	180	320	320	180	320	

Parameter			单位	SXYCK-100S	SXYCK-120S	SXYCK-150S	SXYCK-180S	SXYCK-210S	
	Dehumidification (at28°C, 60%)		kg/h	100	120	150	180	210	
	Total Cooling Capacity		kW	162	188	239	325	390	
	Total Heating Capacity		kW	195	226	294	400	480	
	Total Input Power		kW	59	74	96	107	137	
	Rated Air Flow		M³/h	22000	26000	32000	42000	58000	
	Fresh Air		M³/h	0-6600	0-7800	0-10200	0-13000	0-15500	
	Exhaust Air		M³/h	0-8000	0-9000	0-12000	0-15000	0-18000	
Compressor	Type		-	Enclosure fixed frequency scroll compressor					
	Brand		-	Panasonic /Coopland					
	Type		-	Enclosure variable frequency scroll compressor(optional)					
	Refrigerant		-	R22/R407C/R410A					
Fan	Type			Casing Centrifugal Fan					
	Supply Fan	Power	kW	11	15	18.5	30	42	
		ESP	Pa	500	550	600	800	800	
	Exhaust Fan	Power	kW	3	3	4	5.5	5.5	
		ESP	Pa	250	300	350	400	400	
Condenser / Evaporator	Type			Shell type fins					
	Material			Hydrophilic membrane aluminum fins (anti-corrosion coating)					
	Refrigerant			Externally balanced thermal expansion valves					
Heating Coils	Air Heat Coils	Heat Capacity	kW	180	220	270	330	380	
		w-resistance	kPa	30	30	32	32	40	
		Pipe Dia	mm	DN80	DN100	DN100	DN100	DN120	
Water-heated condenser	Type			Shell/Casing					
	Material			Copper-titanium alloy					
	w-resistance	kPa	18	20	20	22	25		
	w Circulate	M³/h	40	46	60	70	90		
	Pipe Dia		DN80	DN100	DN100	DN100	DN120		
	Filter		形式		板式+袋式				
	Indoor Unit Noise		dBA	70	72	73	75	78	
Connect Pipe	Drainage Pipe		mm	DN40					
	Gas Pipe φ		mm	1-3/8 (35) *2	1-3/8 (35) *3	1-3/8 (35) *4	1-3/8 (35) *4	1-3/8 (35) *5	
	Liquid Pipe φ		mm	7/8 (22) *2	7/8 (22) *3	7/8 (22) *4	7/8 (22) *4	7/8 (22) *5	
Indoor unit dimension & weight	L		mm	4200	4500	5100	5100	5400	
	W		mm	2200	2580	2720	2720	3120	
	H		mm	2330	2330	2680	2680	2680	
	Weight		kg	1560	1850	2200	2500	2800	
Outdoor unit dimension & weight	Outdoor Unit Qty		↑	2	3	4	4	5	
	L		mm	1950	1950	1950	1950	1950	
	W		mm	1160	1160	1160	1160	1160	
	H		mm	1200	1200	1200	1200	1200	
	Weight		kg	320	320	320	320	320	

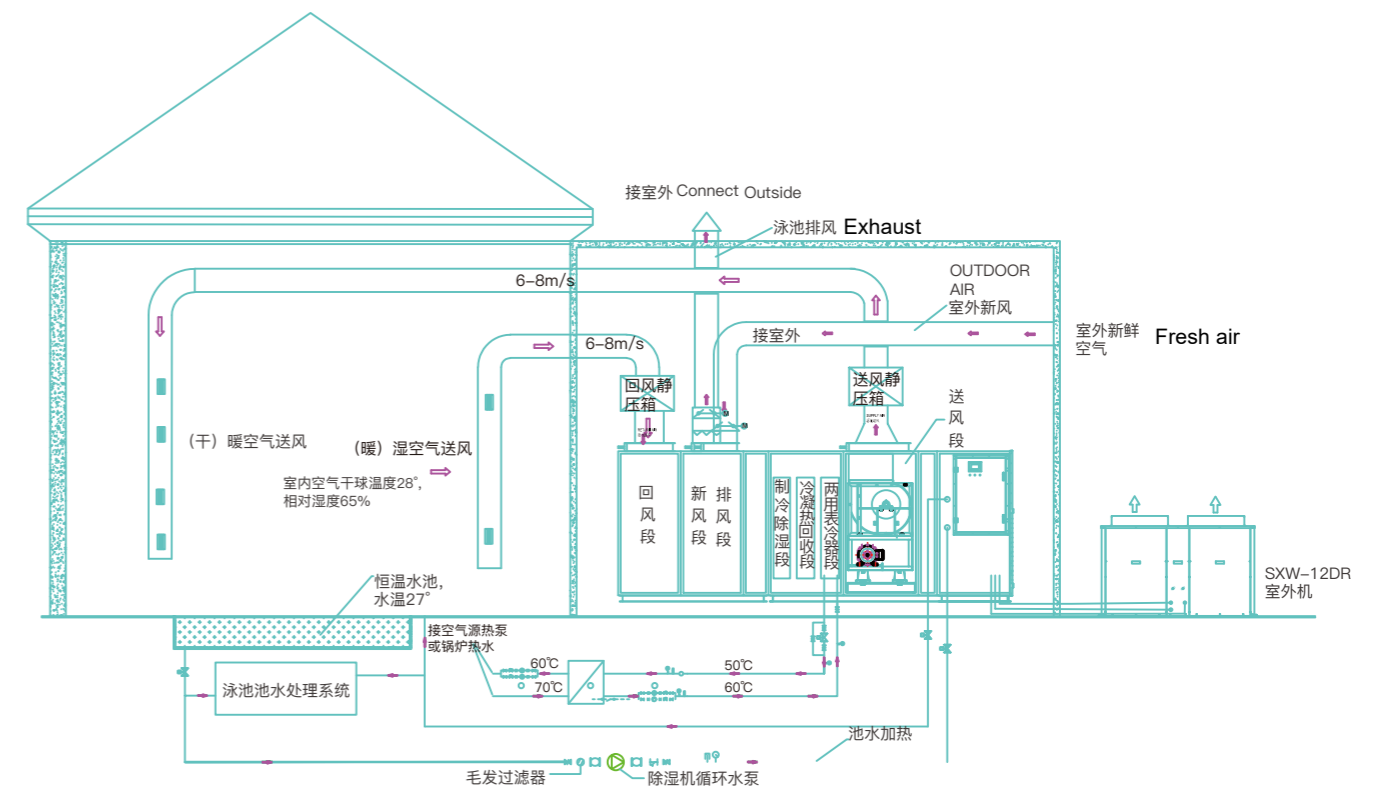
产品线框图 PRODUCT LINE DIAGRAM



工作原理 OPERATING PRINCIPLE



安装示意图 INSTALLATION INSTRUCTION



SWIMMING POOL CEILING DEHUMIDIFIER

泳池吊顶除湿机



产品介绍 PRODUCT INTRODUCTION

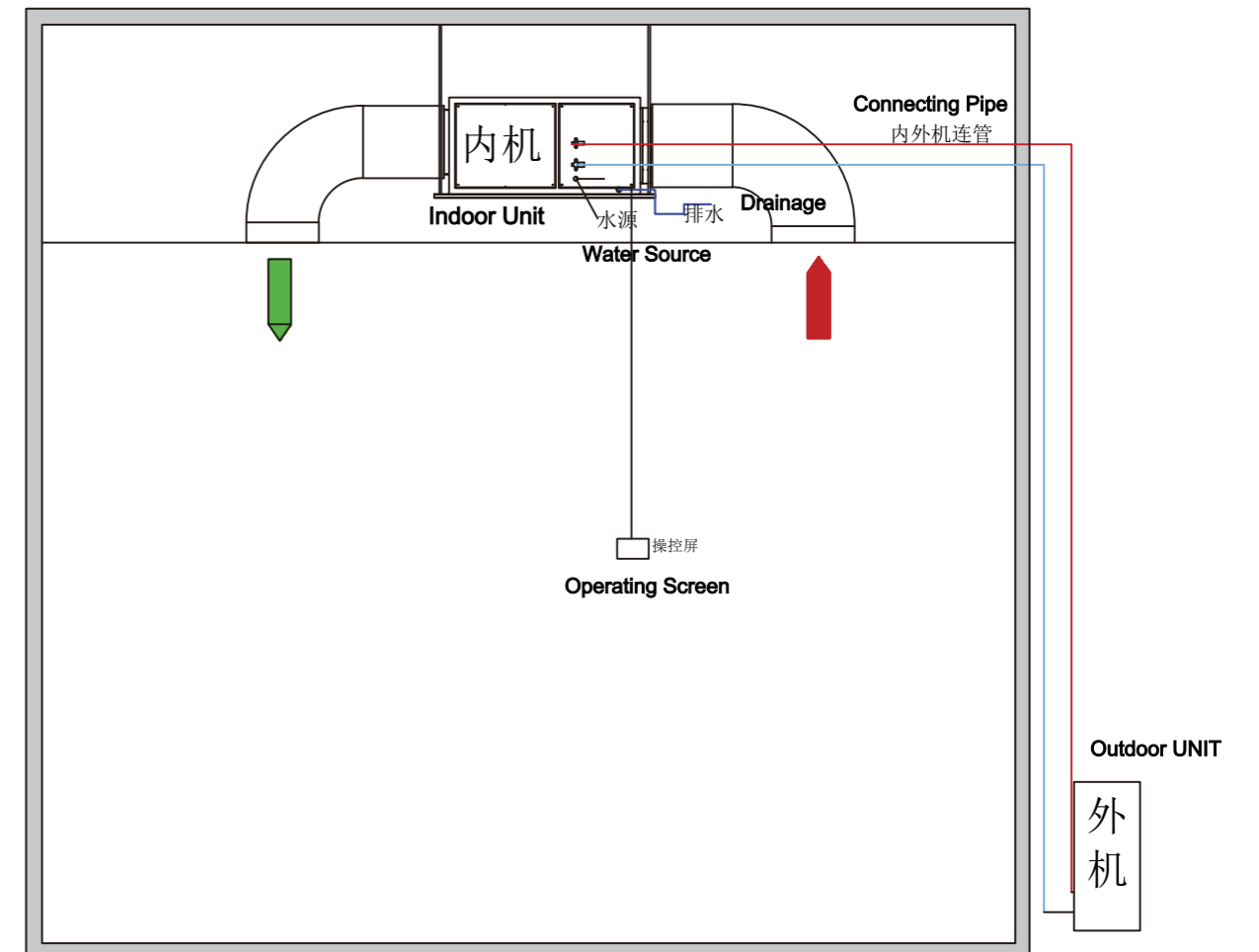
SX 系列工业除湿机组，利用压缩机直接蒸发之原理，全部利用冷凝热作为再热源降低了机组的运行成本，节约了运行能耗，全面提高机组的节能效率。该机组有多种型号可供选择，可广泛应用于潮湿的别墅、会所等小型泳池场所，它具有节能高效、噪声低、外形美观、维护方便等优点。

SX series industrial dehumidification unit, using the principle of direct evaporation of the compressor, all the use of condensation heat as the re-heat source reduces the operating cost of the unit, saves the operation energy consumption, and comprehensively improves the energy-saving efficiency of the unit. The unit has a variety of models to choose from, can be widely used in wet villas, clubs and other small swimming pool places, it has the advantages of energy saving and high efficiency, low noise, beautiful appearance, easy maintenance and so on.

产品特性 PRODUCT FEATURES

- 高配压缩机 High end compressor
- 强劲转子风机 Strong rotor fan
- 纯铜两器 Two pure copper utensils
- 定时功能 Timing
- 智能控湿 Intelligent humidity control
- 自动化霜 Automatic defrost
- 多重安全保护 Multiple security protections
- 故障报警 Fault Alarm
- 隐藏式安装 Concealed installation

工作原理 OPERATING PRINCIPLE



DEHUMIDIFIER		CFZ-4S CGZ-4S	CFZ-7S CGZ-7S	CFZ-10S CGZ-10S	CFZ-12S CGZ-12S	CFZ-20S CGZ-20S	CFZ-24S CGZ-24S	
Dehumidification (30°C-80%)	kg/h	3.9	6.86	9.8	12	19.6	24	
Dehumidification (27°C-60%)	kg/h	3.0	4.5	7	9.8	15	19.5	
Cooling Capacity	m³/h	5	8.8	12.5	15	25	30	
Air flow	kw	1200	2200	2800	4200	5200	7600	
ESP	Pa	50-300Pa (adjustable)						
Noise	dB (A)	50	53	61	62	63	64	
Temp&Humidity Range	30-70%±3°C							
Supply Power	380V/3~50HZ(CFZ-4/CGZ-4为220V/1 phase)							
Installation Power/kw		1.8	2.6	4.6	5.5	9.5	10.5	
Refrigerant	Throttling Method	R22/R407C/R134A-Capillary/Heat expansion valve						
	Injected	kg	1.2	1.8	3.6	4.2	7.2	8.5
Compressor	Type	Enclosure-Rotor-Scroll						
	Power	kw	1.46	2.2	3.85	4.5	3.8	4.5
	Quantity	pcs	1	1	1	1	1	1
Evaporator	Copper Tube Sleeve Aluminum Fins							
Fan	Type/Drive	EC/Rotor/Plug						
	Power	kw	0.12	0.2	0.2	0.2	0.37	0.37
	Qty	pcs	1	1	2	2	2	2
Filter	Plate G5							
Vertical Type Dimension	L mm	480	600	800	800	1250	1250	
	W mm	420	400	450	450	450	450	
	H mm	1060	1650	1700	1700	1700	1700	
Horizontal Ceiling Type Dimension	L mm	980	980	1400	1400	1400	1400	
	W mm	740	740	950	950	1350	1350	
	H mm	440	440	740	740	740	740	
Weight	kg	105	130	170	210	280	420	

DEHUMIDIFIER		CFZ-35S CGZ-35S	CFZ-45S CGZ-45S	CFZ-50S CGZ-50S	CFZ-65S CGZ-65S	CFZ-80S CGZ-80S	CFZ-105S CGZ-105S	CFZ-135S CGZ-135S	
Dehumidification (30°C-80%)	kg/h	35	45	50	65	80	105	135	
Dehumidification (27°C-60%)	kg/h	25	35	40	50	60	80	100	
Cooling Capacity	m³/h	45	60	70	85	105	140	175	
Air flow	kw	10000	12000	15000	18000	24000	32000	38000	
ESP	Pa	300-800Pa可调							
Noise	dB (A)	64	68	70	71	73	75	82	
Temp&Humidity Range	30-70%±3°C								
Supply Power	380V/3~50HZ(其中CFZ-4/CGZ-4为220V单相)								
Installation Power/kw		16	23	27.6	31	36	55	68	
Refrigerant	Throttling Method	R22/R407C/R134A-Capillary/Heat expansion valve							
	Injected	kg	12.5	16	19	24	28.5	38	48
Compressor	Type	Enclosure-Rotor-Scroll							
	Power	kw	4.5	9.0	9.5	9.5	9.5	9.5	9.5
	Quantity	台	3	2	2	2.1	3	4	5
Evaporator	Copper Tube Sleeve Aluminum Fins								
Fan	Type/Drive	EC/Rotor/Plug							
	Power	kw	0.75	0.8	3.0	4.0	7.5	11.0	15.0
	Qty	pcs	3	3	1	1	1	1	1
Filter	Plate G5								
Vertical Type Dimension	L mm	1450	1450	1750	1750	2200	2200	2200	
	W mm	700	700	750	750	1000	1000	1000	
	H mm	1900	1900	1950	1950	1950	1950	1950	
Horizontal Ceiling Type Dimension	L mm	1400	2200	2200	2200	2200	2500	2500	
	W mm	1350	2000	2000	2000	2000	2200	2200	
	H mm	740	1800	1800	1800	1800	1800	1800	
Weight	kg	600	820	980	1120	1320	2450	2620	

ALL-IN-ONE / SPLIT TYPE ROOFTOP AIR CONDITIONER

一体式/分体式屋顶机



产品介绍 PRODUCT INTRODUCTION

松幸多功能屋顶式空调机是集制热、制冷于一体的风冷型空调设备，是松幸的拳头产品，屋顶式空调机将新风和回风集中处理，制冷系统所有部件都在一个箱体内，处理好的空气经风管直接送入室内，因此又被称为直膨式AHU，松幸多功能式屋顶机不仅具有基本的制冷、制热功能，根据需求还可选择再热、加湿、排风机、热回收、回风旁通等功能选项。根据现场实际放置需求，又可选择整体式或分体式放置形式。松幸屋顶机组具有稳定性高、噪声低、适应性强、检修方便、结构紧凑、运行稳定、产品规格齐全、布置方便等特点，不仅可广泛应用于体育馆、报告厅、会展中心、影剧院、商场、火车站、机场等舒适性空调场所，也可应用于机械、航天、医药、电子、化工等工艺性空调场所。该系列空气处理机组的设计制造执行标准：GB/T20738-2006屋顶式空气调节机组。

该系列产品有全新风型、普通回风型、热泵型、冷暖型、恒温恒湿型(可定制)等系列品种，恒温恒湿型 机组能够适用于对温湿度要求高的场所，热泵、冷暖型机组能够适用于有舒适性要求的场所，特别是热泵型机组能够一机两用，大大节省了制热运行费用。

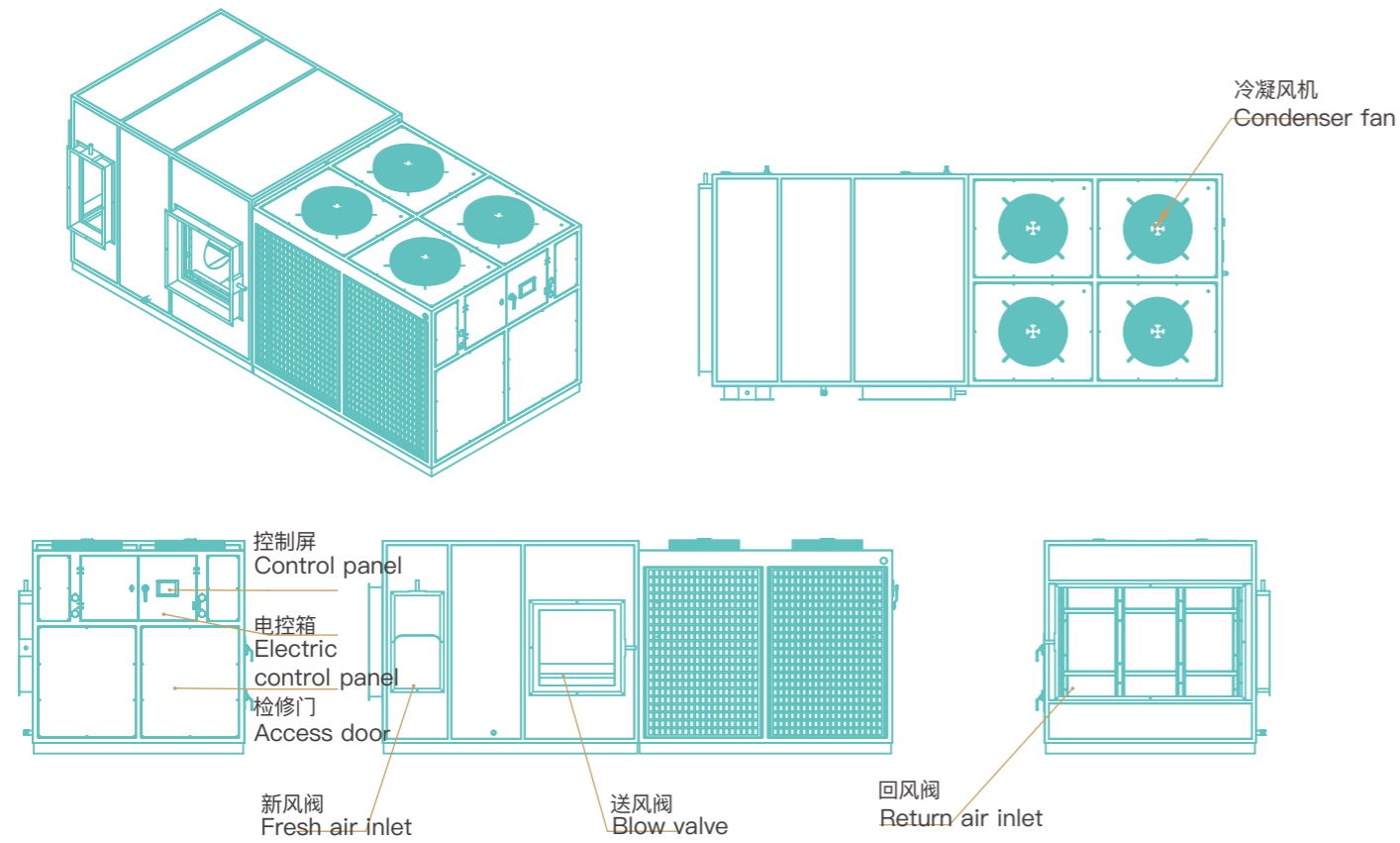
The Sunchine Multi-functional Rooftop Air Conditioner is an air-cooled air conditioning unit that integrates heating and cooling functions. It is a flagship product of Sunchine. The rooftop air conditioner centrally processes fresh and return air, with all components of the cooling system housed within a single cabinet. The treated air is then directly delivered into the indoor space through ductwork, hence its alternative name of Direct Expansion AHU. The Sunchine Multi-functional Rooftop Unit not only possesses basic cooling and heating capabilities but also offers optional functions such as reheating, humidification, exhaust fans, heat recovery, and return air bypass based on customer requirements. Depending on the actual site placement needs, it can be installed in either a monolithic or split form. The Sunchine rooftop units are characterized by high stability, low noise, strong adaptability, easy maintenance, compact structure, stable operation, a complete range of product specifications, and convenient layout. They can be widely applied not only in comfort air conditioning settings such as stadiums, lecture halls, convention centers, cinemas, shopping malls, train stations, and airports but also in process air conditioning environments in industries such as machinery, aerospace, pharmaceuticals, electronics, and chemicals. The design and manufacturing of this series of air handling units adhere to the standard GB/T 20738-2006 for Rooftop Air Conditioning Units.

This series includes models such as the 100% Fresh Air Type, Ordinary Return Air Type, Heat Pump Type, Cooling and Heating Type, and Constant Temperature and Humidity Type (customizable). The Constant Temperature and Humidity Type unit is suitable for places with high requirements for temperature and humidity. The Heat Pump and Cooling and Heating Type units can cater to places with comfort requirements, especially the Heat Pump Type unit, which offers dual functionality, significantly reducing heating operation costs.

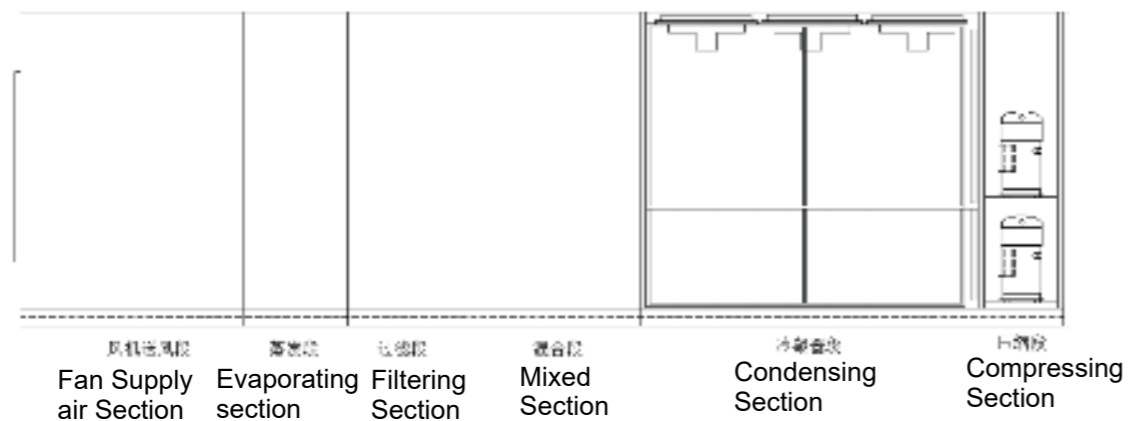
产品特点 PRODUCT FEATURES

- ▶▶ **节省投资、安装方便** 整体式多功能屋机可整机安装于屋顶或户外空间，无需机房，节省建筑空间，节约土建费用。机组无冷却、冷冻水系统，节省了冷却塔、水泵、管道等附属设备投资，降低了工程造价。用户设备安装时，只需连接少的控制线与电源线以及送回风管即可机组投入运行，节省了施工时间与费用。
- ▶▶ **直膨高效、节能低耗** 机组采用制冷剂与空气直接换热的直膨式高效循环系统，无冷冻水系统间接换热的中间环节，降低了损耗，整个空调系统的能量利用比冷冻水空调系统提高了10%~15%，另外，每台机组均具有多级能量调节，自动增减载适应用户使用侧的负荷变化，过冷季节机组可全新风运行，节能低耗，降低运行费用。
- ▶▶ **运行宁静、超低噪音** 机组采用低噪音全封闭柔性涡旋压缩机，配备了低噪音轴流风机，机组其它运动部件均采取了完备的隔震措施，确保运行平稳可能，噪音低，震动小。机组户外安装，空调系统室内无风机等运动部件，故室内送风更宁静。
- ▶▶ **绿色空气、品质保证** 机组高效的空气过滤及可调节的新风装置，配上多功能的空气处理，方便地实现空气净化、降温、除湿、供暖、加湿、新风量调节等功能。直膨式循环系统特有低蒸发温度的低露点处理特性，确保任何时期的工艺参数品质保证。
- ▶▶ **结构独特、户外专用** 整体式机组设计，结构紧凑，精心设计之机组框架，简单轻巧，外观典雅大方，操作空间大，机组均可实现常规不超宽不起高式运输。机组结构件的自动喷涂线全过程处理及喷塑、铝合金框架、高压发泡彩钢保温面板以及专用户外型独特的防雨结构设计，确保机组户外使用的防腐、防锈，无漏雨之虑。
- ▶▶ **Save investment, easy installation** Integral multi-functional house machine can be installed on the roof or outdoor space, no need for computer room, save building space, save civil construction costs. The unit has no cooling and chilled water system, which saves the investment of auxiliary equipment such as cooling tower, pump, pipe and so on, and reduces the project cost. When the user equipment is installed, it only needs to connect fewer control lines and power lines and return air pipes to put the unit into operation, saving construction time and cost.
- ▶▶ **Direct expansion high efficiency, energy saving and low consumption** unit adopts direct expansion high efficiency circulation system of refrigerant and air direct heat exchange, no intermediate link of indirect heat exchange of chilled water system, reducing loss, energy utilization of the entire air conditioning system than chilled water air conditioning system increased by 10%~15%, in addition, each unit has a multi-level energy regulation. Automatic load increase and load reduction adapt to the load changes on the user side, and the unit can run with fresh air in the transition season, saving energy and reducing operating costs.
- ▶▶ **Quiet operation, ultra-low noise** unit adopts low noise fully enclosed flexible scroll compressor, equipped with low noise axial flow fan, and other moving parts of the unit have taken complete isolation measures to ensure smooth operation, low noise and small vibration. The unit is installed outdoors, and there are no moving parts such as fans in the air conditioning system, so the indoor air supply is more quiet.
- ▶▶ **Green air, quality assurance** unit efficient air filtration and adjustable fresh air device, coupled with multi-functional air treatment, convenient to achieve air purification, cooling, dehumidification, heating, humidification, fresh air volume adjustment and other functions. The direct expansion circulation system has the characteristic of low evaporation temperature and low fog point treatment to ensure the quality assurance of process parameters at any time.
- ▶▶ **Unique structure, outdoor special** integrated unit design, compact structure, carefully designed unit frame, simple and lightweight, elegant appearance, large operating space, the unit can achieve conventional not too wide not high transport. The whole process of automatic spraying line of the unit structure and spraying plastic, aluminum alloy frame, high pressure foam color steel insulation panel and special outdoor unique rain proof structure design, to ensure that the outdoor use of the unit is anti-corrosion, anti-rust, no rain leakage.

产品线框图 PRODUCT LINE DIAGRAM



工作原理 OPERATING PRINCIPLE



Air cool rooftop unit		SXWD-75	SXWD-120	SXWD-150	SXWD-210	SXWD-300	SXWD-420
Cooling	kw	75	120	150	210	300	420
Heating	kw	65	108	132	185	235	350
Air flow	m ³ /h	13500	22000	27000	43200	54000	76000
Esp	Pa	300	500	500	700	700	700
Noise	dB(A)	68	70	73	73	75	76
Temperature range		16 - 28°C ±1°C					
Supply Power		380V/3~50HZ					
Rated Power	kw	29.8	51	59.5	99.5	128	191
Refrigerant		R410A					
Weight	kg	2200	2800	3200	4500	5200	6500
Dimension	L	mm	4200	4820	5200	6500	7800
	W	mm	1500	2000	2200	2200	2500
	H	mm	1600	2100	2100	2200	2600

INDOOR MODEL		SXWD 75R-B	SXWD-120-B	SXWD-150-B	SXWD-210-B	SXWD-300-B	SXWD-420-B
Supply Power		3N~380V~50HZ					
Fan	Type	Centrifugal					
	S A	m/h	12960	23000	35300	47000	52000
	Power	kw	4	11	15	18.5	30
	ESP	Pa	300	300	300	300	300
Water Pipe		mm DN40					
Max Current	A	13.75	27.5	37.5	55	75	83
Wire	mm	2.5	6	10	16	25	35
Noise	dB(A)	65	65	73	75	80	82
Weight	kg	850	900	1250	1550	2400	2400

OUTDOOR MODEL		SXWD 75R-R	SXWD-120-R	SXWD-150-R	SXWD-210-R	SXWD-300-R	SXWD-420-R
Supply Power		3N~380V~50HZ					
Cooling Capacity	kw	62	115	186	250	322	370
Heating Capacity	kw	68	123	184	270	320	386
Fan	Air flow	m ³ /h	24000	12000*4	16000*4	16000*6	16000*8
	Power	kw	0.75*2	0.86*4	0.5*8	1.1*6	0.5*16
Compressor	Type	Enclosure scroll					
	Refrigerant	R410A					
Pipe	Gas	mm	Φ34.9	Φ22.2*4	Φ28.6*4	Φ34.9*4	Φ28.6*8
	Liquid	mm	Φ19.05	Φ12.7*4	Φ15.88*4	Φ19.05*4	Φ15.88*8
APF value	W.H/(W.H)	3.27	3.25	3.26	3.25	3.23	3.21
Consume Power	kw	17.53	37.21	58.8	70.72	103.2	117.6
Weight	kg	400	950	1400	1500	2400	2800

NON-STANDARD CUSTOMIZATION

非标定制



我们是一家专门以低温再生、变频、热管、氟泵、热回收、溶液等节能低碳为主要方向的非标定制技术型设计厂家，以靠谱的温湿度产品设计制造商为Slogan,集方案、设计、制造、安装为一体的综合型企业。特别是在节能低碳、异形定制、智慧远程监控以及高精度温湿度控制方面，我们拥有独到的经验和先进的技术。

We are a specialized low temperature regeneration, frequency conversion, heat pipe, fluorine pump, heat recovery, solution and other energy saving and low-carbon as the main direction of the non-standard customized technology design manufacturers, to the reliable temperature and humidity product design manufacturers as the Slogan, set program, design, manufacturing, installation as one of the integrated enterprises. In particular, we have unique experience and advanced technology in energy-saving and low-carbon, special-shaped customization, intelligent remote monitoring and high-precision temperature and humidity control.

我们为客户提供非标特种空调定制方案

We provide customized solutions for non-standard special air conditioners for our customers



REPRESENTATIVE CASE

代表案例



安徽六国化工
ANHUI LIUGUO HUAGONG



白龙机场
BAI LONG AIRPORT



北京十三陵
BEIJING SHI SAN LING



济南中科院
JINAN ZHONG KE YUAN



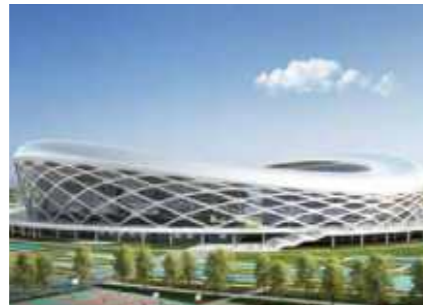
康恩贝
KANG EN BEI



康师傅
Master Kong



赤壁市双创产业园
CHIBI SHUANG CHUANG AREA



滁州体育馆
CHUZHOU GYMNASIUM



蒂芙尼中国展
TIFFANY BLUE CHINA PAVILION



快手
KUI SHOU



蓝海重工
LAN HAI ZHONG GONG



麦格纳汽车公司
MAGNA VEONEER AUTOLIV



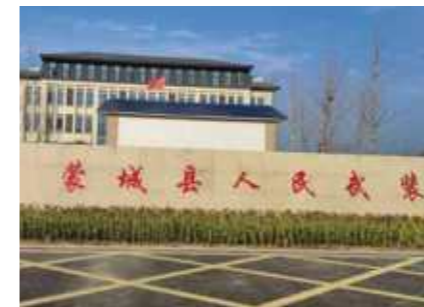
奉化体育中心
FENG HUA SPORTS CENTER



富士康工厂
FOXCONN PLANT



故宫博物院
NATIONAL PALACE MUSEUM



蒙城人民武装部
MENGCHENG REN MIN WU ZHUANG BU



南京腾讯数据机房
NANJING TENCENT DATA ROOM



宁波奥体中心
NINGBO AOTI CENTER



海宁玻璃厂
HAINING GLASS PLANT



杭州径山寺
HANGZHOU JINSHAN TEMPLE



合肥幼儿师范高等学校
HEFEI EARLY CHILDHOOD TEACHERS COLLEGE



宁波方舱医院
NINGBO FANG CANG HOSPITAL



宁波银行
NINGBO BANK



苹果工厂
APPLE PLANT

REPRESENTATIVE CASE

代表案例



三一重工
SANYI ZHONG GONG



山西三元炭素
SHANXI SAN YUAN TAN SU



山西夏宫水疗中心
SHANXI XIAGONG SHUILIAO CENTER



武汉全民健身中心
WUHAN CIVIC SPORTS CENTER



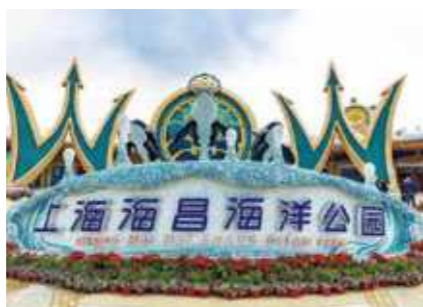
西安全运会
XIAN QUAN YUN HUI



香港历史博物馆
HONGKONG HISTORY MUSEUM



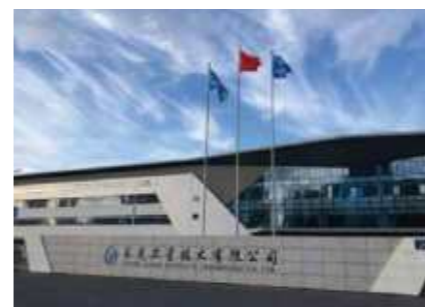
上海博物馆
SHAGNHAI MUSEUM



上海海昌海洋公园
SHANGHAI HAICHANG PARK



上海中心大厦
SHANGHAI CENTER TOWER



长光卫星
CHANGGUANG WEIXING



志辉源石酒庄
ZHIHUI YUAN SHI WINE



中国大庆油田
CHINA DAQING YOU TIAN



上海自由贸易区
SHANGHAI FREE TRADE ZONE



绍兴稽山中学
SHAOXING JISHAN SCHOOL



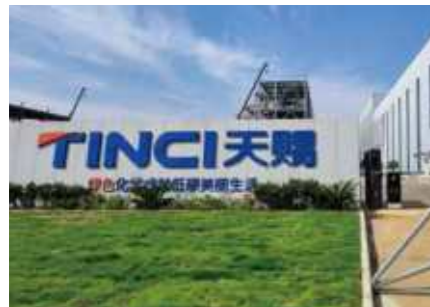
中国电信云计算（陕西）基地
CHINA CLOUD COMPUTING CENTER



中国水利博物馆
CHINESE WATER SOURCE MUSEUM



中国移动云计算中心
CHINA MOBILE CLOUD ANALYSE CENTER



天赐新材料股份有限公司
TINCI



望江县人民医院
WANGJIANG COUNTY PEOPLE'S HOSPITAL



温州大学
WENZHOU UNIVERSITY



中科院天文台
ZHONG KE YUAN TIAN WEN TAI



中科院小卫星
ZHONG KE YUAN XIAO WEI XING



重庆腾讯数据机房
CHONGQING TENCENT DATA CENTER