



冷风机/冷凝器 AIR COOLER/CONDENSER



换热器 产品手册

HEAT EXCHANGER
PRODUCTS MANUAL

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冷链一体化解决方案服务商、集成商、供应商

COLD CHAIN INTEGRATED SOLUTION SERVICE PROVIDERS, INTEGRATORS, AND SUPPLIERS



品质匠造 稳定可靠

冷风机/蒸发器

冷凝机组





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COMPANY PROFILE

公司简介

实力雄厚 放眼全球

广东先进制冷设备有限公司是一家智能化创新型制冷设备制造企业，集全球领先冷链一体化解决方案服务商、集成商、供应商，业务涵盖设备研发、生产制造、系统集成及技术服务。公司总部位于中国粤港澳大湾区制造业创新核心区——广东佛山，园区占地面积近15万平方米，配备国际先进水平的智能化生产线及行业顶尖技术研发团队，拥有数控加工、精密模具、膨胀阀制造、金属压板、环保喷涂、智能测试等全流程制造体系。

公司主营：压缩冷凝机组、蒸发器、风冷冷凝器、水冷冷凝器、空冷器、储液器、压缩机、液压机、环境试验箱、商超冷柜、食物冰冻冷库、步入式冷库以及制冷相关的各类保温复合板、冷库铝板、聚氨酯板等业务；设备广泛应用于冷库、冷柜、陈列柜、空调、冰浴、食品、医疗等领域。

Guangdong ARTECO Refrigeration Equipment Co., Ltd. is an intelligent and innovative refrigeration equipment manufacturing enterprise, integrating global leading cold chain integrated solution service providers, integrators, and suppliers. Its business covers equipment research and development, production and manufacturing, system integration, and technical services. The company's headquarters is located in Foshan, Guangdong, the manufacturing innovation core area of the Guangdong Hong Kong Macao Greater Bay Area in China. The park covers an area of nearly 150000 square meters and is equipped with internationally advanced intelligent production lines and industry-leading technology research and development teams. It has a full process manufacturing system including CNC machining, precision molds, expansion valve manufacturing, metal pressure plates, environmentally friendly spraying, and intelligent testing.

The company's main business includes compression condensing units, evaporators, air-cooled condensers, water-cooled condensers, air coolers, liquid reservoirs, compressors, hydraulic presses, environmental testing chambers, supermarket refrigerators, food freezing cold storage, walk-in cold storage, as well as various insulation composite panels, cold storage aluminum panels, polyurethane panels and other businesses related to refrigeration; The equipment is widely used in cold storage, freezers, display cabinets, air conditioning, ice baths, food, medical and other fields.



拥有厂房面积
Factory Area

15万m²

成功案例
Success Cases

3500 +

产品覆盖城市
Product Coverage Cities

70 +

制造经验
Years Of Manufacturing Experience

15 +

广东先进制冷设备有限公司立足于佛山市，辐射全国，在中国主要城市（广州、深圳、上海、西安、郑州、南京）拥有服务点以及在国际城市（东京、吉隆坡、利雅得）设有区域服务中心，能够与当地客户紧密联系；及时为客户提供方案的设计到专业定制的售后服务和支持。

企业先进的制冷技术、智能化制冷设备、专业化定制的客户服务；满足用户食品加工、冷藏、物流、零售、乳制品、海鲜出口、仓储、酒店、制药、工业冷却和冷链运营等行业多样化需求。

Guangdong ARTECO Refrigeration Equipment Co., Ltd. strategically positions itself in Foshan City, achieving nationwide coverage through key service points in major Chinese cities like Guangzhou, Shenzhen, Shanghai, Xi'an, and Zhengzhou. Furthermore, its international reach extends to Tokyo, Kuala Lumpur, and Riyadh, ensuring close customer communication and delivering timely solution design, customized after-sales service, and comprehensive support.

ARTECO specializes in advanced and intelligent refrigeration solutions tailored to diverse industries, including food processing, logistics, retail, pharmaceuticals, and cold chain operations.

ENTERPRISE HONOR

企业荣誉

严苛认证 值得信赖

STRIVE FOR LEADERSHIP AND PROFESSIONALISM
INTEGRITY MANAGEMENT, STEADY DEVELOPMENT



知名品牌 专业品质

FAMOUS BRAND PROFESSIONAL QUALITY

创建“先进”品牌，凭着诚信进取的文化精神和优质周到的服务，赢得客户和社会的一致认可。公司资质实力不断增强，综合实力持续提升，永远追求技术领先、质量领先、服务领先。“先进制冷”是年轻的，是充满生机和无限希望的，面对激烈的市场竞争，我们将以更优质的产品服务于社会。

Creating an "ARTECO" brand, relying on the cultural spirit of integrity and enterprising spirit, and providing high-quality and thoughtful services, has won unanimous recognition from customers and society. The company's qualifications and strength continue to enhance, and its comprehensive strength continues to improve, always pursuing technological leadership, quality leadership, and service leadership. "ARTECO" refrigeration is young, full of vitality and infinite hope. Faced with fierce market competition, we will serve society with higher quality products.





FACILITIES EQUIPMENT 生产设备

先进制冷拥有现代化的加工车间，其中引进了各类激光切割机、数控转塔冲床、数控板料折弯机、闭式高速冲床、全自动长U弯管机、组合胀管机、立式胀管机等高精设备，具有完善的加工、生产和检测能力，确保每一件产品的卓越性能。

ARTECO has a modern processing workshop, which has introduced various high-precision equipment such as laser cutting machines, CNC turret punching machines, CNC sheet metal bending machines, closed high-speed punching machines, fully automatic long U-tube bending machines, combined tube expansion machines, and vertical tube expansion machines. It has complete processing, production, and testing capabilities to ensure the excellent performance of each product.

STRATEGIC PARTNERS

战略合作伙伴

携手
奋进



DKUNION STEEL
联合铁钢(中国)有限公司



行稳
致远



GUANZHOU
冠洲



合作伙伴

COOPERATIVE PARTNER



六和



聚势
合力

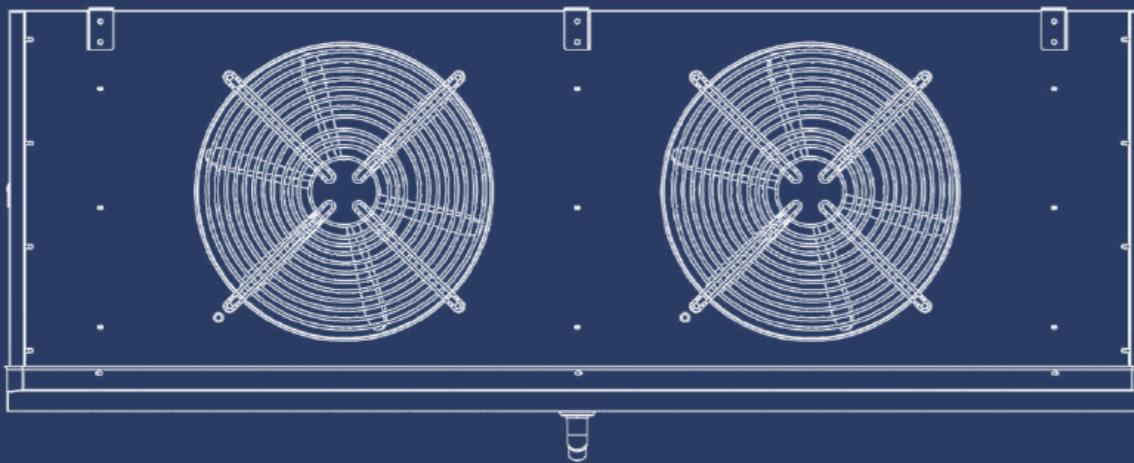


萌山钢构
MENGSHAN STEEL STRUCTURE



共赢
未来





AIR COOLER SERIES

冷风机系列

XM系列吊顶式冷风机

XL系列吊顶式冷风机

XW系列水冲霜冷风机

XH系列吊顶式冷风机

XE系列双出风冷风机

....

XM 冷风机
XM Air Cooler

快速制冷
Fast Refrigeration



安全除霜
Safe Defrosting



低震动
Low Vibration



低噪音
Low Noise

→ 产品概述 PRODUCT OVERVIEW

- ◆ 外壳：采用优质镀锌钢板表面喷塑，防腐性能强；两侧盖板采用螺丝固定，紧密性好。
- ◆ 双层水盆设计：外水盆采用带角度的菱角型结构，排水顺畅，无死角；内水盘采用铝板的水槽型结构。
- ◆ 盘管：采用Φ 9.52mm内螺纹铜管、管间距36 × 31.18倒三角排列，具有传热面积大，传热温差小的特点。
- ◆ 亲水铝箔波纹式铝片，片距有5.0mm、7.0mm，满足不同的温湿度要求。
- ◆ 采用整体拉伸的大圆弧的高风筒设计，导风效果好，射程远、噪音低。
- ◆ 风机：大功率外转子风机，使用温度-20℃ ~ -40℃；风机规格Φ 350、Φ 400、Φ 450，提供用户选择。
- ◆ 除霜：标准采用电热除霜，不锈钢加热管均布于盘管翅片中机内水盘上，独立的加热管接线盒。
- ◆ 可根据客户的需求预装膨胀阀、风圈加热带等选配件。
- ◆ 可满足R404A、R507A、R448A、R449A、R134A、R22等制冷剂使用。

- ◆ Shell: Made of high-quality galvanized steel plate surface sprayed with plastic, with strong anti-corrosion performance; The two side cover plates are fixed with screws for good tightness.
- ◆ Double layer water basin design: The outer water basin adopts a water chestnut shaped structure with angles, ensuring smooth drainage and no dead corners; The internal water tray adopts a sink type structure made of aluminum plate.
- ◆ Made of internally threaded copper pipes with a diameter of 9.52mm and arranged in an inverted triangle with a spacing of 36 × 31.18, it has the characteristics of large heat transfer area and small heat transfer temperature difference.
- ◆ Hydrophilic aluminum foil corrugated aluminum sheet, with fin space of 5.0mm, 7.0mm, meets different temperature and humidity requirements.
- ◆ The high air duct design adopts a large circular arc with overall stretching, which has good air guiding effect, long range, and low noise.
- ◆ Fan: High power external rotor fan, operating temperature range of -20 °C to -40 °C; Fan specification: φ 350、φ 400、φ 450, Provide user selection.
- ◆ Defrosting: The standard uses electric defrosting, with stainless steel heating tubes evenly distributed on the water tray inside the coil fins and independent heating tube junction boxes.
- ◆ Optional accessories such as expansion valves and fan coil heating belts can be pre installed according to customer needs.
- ◆ Can meet the needs of refrigerants such as R404A, R507A, R448A, R449A, R134A, R22, etc.



→ 型号说明 MODEL DESCRIPTION

XM 6.10 / 40 2 L A

电压: A: 380V; B: 220V
Voltage: A: 380V; B: 220V

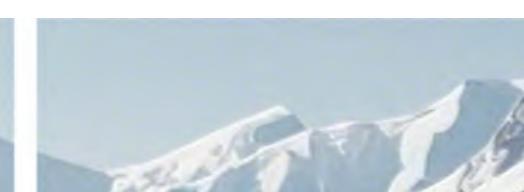
M: 5.0mm; L: 7.0mm;

电机数量
Number of motors

风机直径: mm
Fan diameter: mm

制冷量: KW
Cooling capacity: KW

产品系列
Product series



PERFORMANCE PARAMETER TABLE

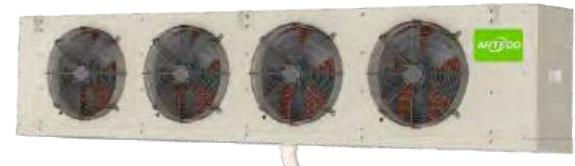
→ 吊顶式冷风机性能参数表

● 片距 Fin Space 5.0mm

型号 Model	制冷量/R404A(KW) Refrigeration Capacity		面积 Area	管容积 Tube Volume	风量 Air Volume	射程 Range	接口规格 (mm) Interface Specifications			重量 Weight
	Tc=0°C △T=8K	Tc=-18°C △T=7K					m ²	dm ³	m ³ /h	
350风机系列 350 Fan Series										
XM1.93/351MB	1.93	1.51	7.4	1.9	2160	15	Φ12.7	Φ19	G1 "	31
XM2.32/351MB	2.32	1.81	9.9	2.6	2000	15	Φ12.7	Φ19	G1 "	33
XM3.87/352MB	3.87	3.02	14.9	3.8	4320	16	Φ12.7	Φ28	G1 "	44
XM4.71/352MB	4.71	3.67	19.8	5.2	4000	16	Φ12.7	Φ28	G1 "	48
XM5.80/353MB	5.80	4.52	22.3	5.7	6480	17	Φ16	Φ28	G1 "	58
XM7.09/353MB	7.09	5.53	29.8	7.8	6000	17	Φ16	Φ28	G1 "	64
XM7.75/354MB	7.75	6.05	29.8	7.6	8640	18	Φ16	Φ35	G1 "	72
XM9.48/354MB	9.48	7.39	39.7	10.4	8000	18	Φ16	Φ35	G1 "	79
400风机系列 400 Fan Series										
XM3.87/401MA	3.87	3.02	15.9	2.8	3600	17	Φ12.7	Φ28	G1 "	47
XM4.34/401MA	4.34	3.39	19.9	3.3	3390	17	Φ12.7	Φ28	G1 "	50
XM5.09/401MA	5.09	3.97	23.9	4.1	3180	17	Φ12.7	Φ28	G1 "	52
XM7.83/402MA	7.83	6.11	31.8	5.3	7200	24	Φ16	Φ28	G1 "	84
XM9.05/402MA	9.05	7.06	39.8	6.5	6780	23	Φ16	Φ35	G1 "	89
XM10.25/402MA	10.25	8.00	47.7	7.9	6360	22	Φ16	Φ35	G1 "	92
XM11.79/403MA	11.79	9.20	47.7	7.9	10800	28	Φ22	Φ35	G1.5 "	110
XM13.68/403MA	13.68	10.67	59.6	9.7	10170	27	Φ22	Φ42	G1.5 "	117
XM15.36/403MA	15.36	11.98	71.6	11.5	9540	26	Φ22	Φ42	G1.5 "	125
XM15.60/404MA	15.60	12.17	63.6	10.6	14400	28	Φ22	Φ42	G1.5 "	130
XM18.16/404MA	18.16	14.16	79.5	12.9	13560	27	Φ28	Φ42	G1.5 "	140
XM20.42/404MA	20.42	15.93	95.4	15.1	12720	26	Φ28	Φ42	G1.5 "	150
450风机系列 450 Fan Series										
XM6.35/451MA	6.35	4.95	25.9	4.4	5950	19	Φ12.7	Φ28	G1 "	61
XM7.30/451MA	7.30	5.69	32.3	5.7	5650	19	Φ16	Φ35	G1 "	65
XM8.41/451MA	8.41	6.56	38.8	7.0	5390	18	Φ16	Φ35	G1 "	64
XM12.78/452MA	12.78	9.97	51.8	9.0	11900	27	Φ22	Φ42	G1.5 "	111
XM14.99/452MA	14.99	11.69	64.7	11.0	10780	27	Φ22	Φ42	G1.5 "	119
XM16.90/452MA	16.90	13.18	77.6	13.7	10780	26	Φ22	Φ54	G1.5 "	128
XM19.21/453MA	19.21	14.98	77.6	13.7	17850	33	Φ28	Φ54	G2 "	150
XM22.28/453MA	22.28	17.38	97.0	16.3	16950	32	Φ28	Φ54	G2 "	168
XM25.40/453MA	25.40	19.81	116.4	19.6	16170	32	Φ28	Φ54	G2 "	181
XM25.83/454MA	25.83	20.15	103.5	16.8	23800	37	Φ35	Φ54	G2 "	192
XM30.12/454MA	30.12	23.49	129.4	21.2	22600	37	Φ35	Φ54	G2 "	209
XM34.20/454MA	34.20	26.68	155.3	25.6	21560	36	Φ35	Φ54	G2 "	225

备注：表中TC为库温，△T为库温与蒸发温度之差。

Note: Tc in the table represents the storage temperature, and △T represents the difference between the storage temperature and the evaporation temperature.



● 片距 Fin Space 7.0mm

型号 Model	制冷量/R404A(KW) Refrigeration Capacity		面积 Area	管容积 Tube Volume	风量 Air Volume	射程 Range	接口规格 (mm) Interface Specifications			重量 Weight
	Tc=0°C △T=8K	Tc=-18°C △T=7K					m ²	dm ³	m ³ /h	
350风机系列 350 Fan Series										
XM1.24/351LA	1.59	1.24	5.5	1.2	2300	15	Φ12.7	Φ19	G1 "	30
XM1.55/351LA	1.99	1.55	7.3	1.6	2160	15	Φ12.7	Φ19	G1 "	31
XM2.48/352LA	3.18	2.48	10.9	2.4	4320	16	Φ12.7	Φ28	G1 "	42
XM3.19/352LA	4.09	3.19	14.5	3.2	4000	16	Φ12.7	Φ28	G1 "	45
XM3.73/373LA	4.78	3.73	16.4	3.6	6480	17	Φ16	Φ28	G1 "	54
XM4.81/353LA	6.17	4.81	21.8	4.8	6000	17	Φ16	Φ28	G1 "	59
XM4.97/354LA	6.37	4.97	21.8	4.8	8640	18	Φ16	Φ35	G1 "	67
XM6.43/354LA	8.24	6.43	29.1	6.4	8000	18	Φ16	Φ35	G1 "	73
400风机系列 400 Fan Series										
XM2.41/401LA	3.09	2.41	11.7	2.8	3855	17	Φ12.7	Φ28	G1 "	45
XM2.79/401LA	3.58	2.79	14.6	3.3	3630	17	Φ12.7	Φ28	G1 "	47
XM3.45/401LA	4.42	3.45	17.5	4.1	3420	17	Φ12.7	Φ28	G1 "	60
XM5.33/402LA	6.83	5.33	23.3	5.3	7710	24	Φ16	Φ28	G1 "	80
XM6.10/402LA	7.82	6.10	29.2	6.5	7260	23	Φ16	Φ35	G1 "	84
XM7.00/402LA	8.97	7.00	35.0	7.9	6840	22	Φ16	Φ35	G1 "	88
XM8.13/403LA	10.42	8.13	35.0	7.9	11565	28	Φ22	Φ35	G1.5 "	103
XM9.37/403LA	12.01	9.37	43.7	9.7	10890	27	Φ22	Φ42	G1.5 "	109
XM10.49/403LA	13.45	10.49	52.5	11.5	10260	26	Φ22	Φ42	G1.5 "	115
XM10.64/404LA	13.64	10.64	46.6	10.6	15420					

ELECTRICAL PARAMETER TABLE

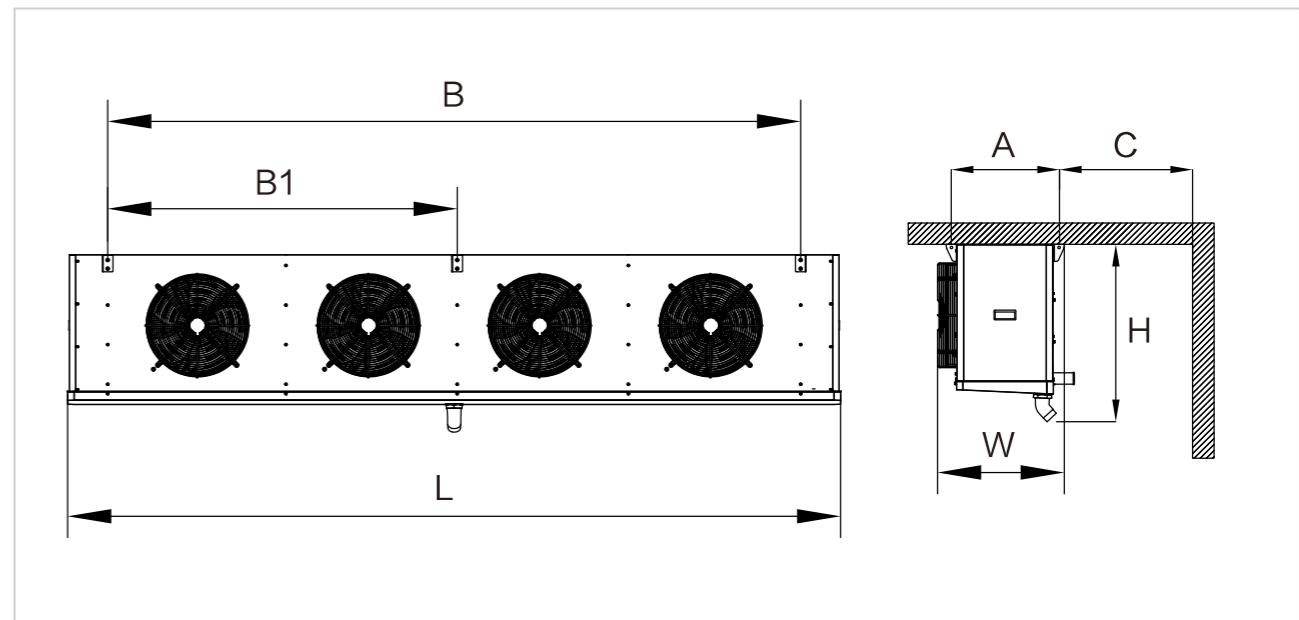
→ 电气参数表

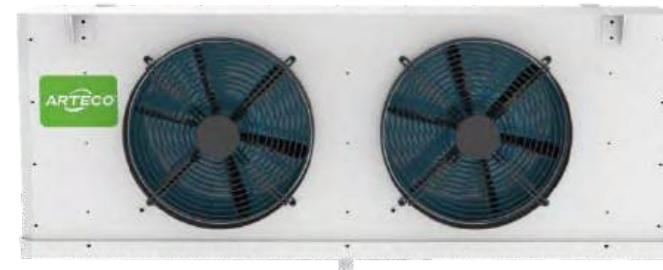
型号 Model	风扇电机 Fan Motor				电热化霜 Electric Defrosting		
	电压(V) Voltage	功率(W) Power	电流(A) Electric Current	转速(r/min) Rotational Speed	盘管:KW Coil	水盆:KW Basin	总功率:KW Total Power
XM*/351**	220-1	165	0.75	1420	2×0.485	1×0.485	1.5
XM*/351**	220-1	165	0.75	1420	3×0.485	1×0.485	1.9
XM*/352**	220-1	330	1.50	1420	2×0.945	1×0.945	2.8
XM*/352**	220-1	330	1.50	1420	3×0.945	1×0.945	3.8
XM*/353**	220-1	495	2.25	1420	2×1.405	1×1.405	4.2
XM*/353**	220-1	495	2.25	1420	3×1.405	1×1.405	5.6
XM*/354**	220-1	660	3.00	1420	2×1.865	1×1.865	5.6
XM*/354**	220-1	660	3.00	1420	3×1.865	1×1.865	7.5
XM*/401**	380-3	300	0.90	1380	4×0.62	1×0.62	3.1
XM*/401**	380-3	300	0.90	1380	5×0.62	1×0.62	3.7
XM*/401**	380-3	300	0.90	1380	6×0.62	1×0.62	4.3
XM*/402**	380-3	600	1.80	1380	4×1.09	1×1.09	5.5
XM*/402**	380-3	600	1.80	1380	5×1.09	1×1.09	6.5
XM*/402**	380-3	600	1.80	1380	6×1.09	1×1.09	7.6
XM*/403**	380-3	900	2.70	1380	4×1.56	1×1.56	7.8
XM*/403**	380-3	900	2.70	1380	5×1.56	1×1.56	9.4
XM*/403**	380-3	900	2.70	1380	6×1.56	1×1.56	10.9
XM*/404**	380-3	1200	3.60	1380	4×2.15	1×2.15	10.8
XM*/404**	380-3	1200	3.60	1380	5×2.15	1×2.15	12.9
XM*/404**	380-3	1200	3.60	1380	6×2.15	1×2.15	15.1
XM*/451**	380-3	480	1.00	1380	5×0.76	1×0.76	4.6
XM*/451**	380-3	480	1.00	1380	6×0.76	1×0.76	5.3
XM*/451**	380-3	480	1.00	1380	7×0.76	1×0.76	6.1
XM*/452**	380-3	960	2.00	1380	5×1.41	1×1.41	8.5
XM*/452**	380-3	960	2.00	1380	6×1.41	1×1.41	9.9
XM*/452**	380-3	960	2.00	1380	7×1.41	1×1.41	11.3
XM*/453**	380-3	1440	3.00	1380	5×1.95	1×1.95	11.7
XM*/453**	380-3	1440	3.00	1380	6×1.95	1×1.95	13.7
XM*/453**	380-3	1440	3.00	1380	7×1.95	1×1.95	15.6
XM*/454**	380-3	1920	4.00	1380	5×2.59	1×2.59	15.5
XM*/454**	380-3	1920	4.00	1380	6×2.59	1×2.59	18.1
XM*/454**	380-3	1920	4.00	1380	7×2.59	1×2.59	20.7

APPEARANCE AND INSTALLATION DIMENSIONS

→ 外形及安装尺寸

型号 Model	外形尺寸(mm) External Dimensions			安装尺寸(mm) Installation Size			
	L	W	H	A	B	B1	C
XM*/351**	810	485	584	416	500	/	400
XM*/352**	1270	485	584	416	500	/	400
XM*/353**	1730	485	584	416	500	/	400
XM*/354**	2190	485	584	416	500	960	400
XM*/401**	990	557	692	479	630	/	450
XM*/402**	1580	557	692	479	1220	/	450
XM*/403**	2170	557	708	479	1810	/	450
XM*/404**	2760	557	708	479	2400	1187	450
XM*/451**	1200	592	800	514	840	/	500
XM*/452**	2000	592	816	514	1640	/	500
XM*/453**	2800	592	830	514	2440	/	500
XM*/454**	3600	592	830	514	3240	1634	500



XL 冷风机
XL Air Cooler

快速制冷
Fast Refrigeration



安全除霜
Safe Defrosting



节约能量
Save Energy



低噪音
Low Noise

→ 产品概述 PRODUCT OVERVIEW

- ◆ 外壳：采用优质镀锌钢板表面喷塑，防腐性能强；两侧盖板采用螺丝固定，紧密性好。
- ◆ 双层水盆设计：外水盆采用带角度的菱角型结构，排水顺畅，无死角；内水盘采用铝板的水槽型结构。
- ◆ 盘管：采用Φ15mm铜管、管间距50×50正方形排列，具有传热面积大，传热温差小的特点。
- ◆ 亲水铝箔波纹式铝片，片距有4.5mm、6.0mm、9.0mm，满足不同的温湿度要求。
- ◆ 采用整体拉伸的大圆弧的高风筒设计，导风效果好，射程远、噪音低。
- ◆ 风机：大功率外转子风机，使用温度-30℃~-60℃；风机规格Φ350、Φ450、Φ550、Φ630，提供用户选择。
- ◆ 除霜：标准采用电热除霜，不锈钢加热管均布于盘管翅片中机内水盘上，独立的加热管接线盒。
- ◆ 可根据客户的需求预装膨胀阀、风圈加热带等选配件。
- ◆ 可满足R404A、R507A、R448A、R449A、R134A、R22等制冷剂使用。

- ◆ Shell: Made of high-quality galvanized steel plate surface sprayed with plastic, with strong anti-corrosion performance; The two side cover plates are fixed with screws for good tightness.
- ◆ Double layer water basin design: The outer water basin adopts a water chestnut shaped structure with angles, ensuring smooth drainage and no dead corners; The internal water tray adopts a sink type structure made of aluminum plate.
- ◆ Coil: Made of 15mm copper pipes with a spacing of 50 × 50 square arrangement, it has the characteristics of large heat transfer area and small heat transfer temperature difference.
- ◆ Hydrophilic aluminum foil corrugated aluminum sheet, with fin space of 4.5mm, 6.0mm, and 9.0mm, meets different temperature and humidity requirements.
- ◆ The high air duct design adopts a large circular arc with overall stretching, which has good air guiding effect, long range, and low noise.
- ◆ Fan: High power external rotor fan, operating temperature -30 °C~60 °C; Fan specification: Φ 350 Φ 450、Φ 550、Φ 630, Provide user selection.
- ◆ Defrosting: The standard uses electric defrosting, with stainless steel heating tubes evenly distributed on the water tray inside the coil fins and independent heating tube junction boxes.
- ◆ Optional accessories such as expansion valves and fan coil heating belts can be pre installed according to customer needs.
- ◆ Can meet the needs of refrigerants such as R404A, R507A, R448A, R449A, R134A, R22, etc.



→ 型号说明 MODEL DESCRIPTION

XL 19.9 / 55 3 L A

电压: A: 380V; B: 220V
Voltage: A: 380V; B: 220V

M: 4.5mm; L: 6.0mm; J: 9.0mm;

电机数量
Number of motors

风机直径: mm
Fan diameter: mm

制冷量: KW
Cooling capacity: KW

产品系列
Product series



PERFORMANCE PARAMETER TABLE

→ 吊顶式冷风机性能参数表

● 片距 Fin Space 4.5mm

型号 Model	制冷量/R404A(KW) Refrigeration Capacity		面积 Area	管容积 Tube Volume	风量 Air Volume	射程 Range	接口规格 (mm) Interface Specifications			重量 Weight
	Tc=0°C △T=8K	Tc=-18°C △T=7K					m ²	dm ³	m ³ /h	
350风机系列 350 Fan Series										
XL2.0/351MB	2.0	1.6	10.8	1.7	2300	7	Φ12.7	Φ19	G1 "	34
XL2.6/351MB	2.6	2.0	16.2	2.5	2000	7	Φ12.7	Φ19	G1 "	36
XL3.9/352MB	3.9	3.0	21.6	3.4	4600	8	Φ12.7	Φ19	G1 "	54
XL5.4/352MB	5.4	4.2	32.4	5.1	4000	8	Φ12.7	Φ22	G1 "	60
XL6.0/353MB	6.0	4.7	32.4	5.1	6900	9	Φ12.7	Φ22	G1 "	75
XL8.1/353MB	8.1	6.3	48.6	7.6	6000	9	Φ12.7	Φ22	G1 "	83
XL8.1/354MB	8.1	6.3	43.2	6.7	9200	10	Φ12.7	Φ22	G1 "	96
XL10.6/354MB	10.6	8.3	64.8	10.1	8000	10	Φ16	Φ28	G1 "	106
450风机系列 450 Fan Series										
XL4.5/451MA	4.5	3.5	25.3	3.9	4300	12	Φ12.7	Φ22	G1 "	50
XL5.4/451MA	5.4	4.2	33.7	5.3	3900	12	Φ12.7	Φ22	G1 "	55
XL9.1/452MA	9.1	7.1	50.5	7.9	8600	13	Φ16	Φ28	G1 "	84
XL10.8/452MA	10.8	8.4	67.4	10.5	7800	13	Φ16	Φ28	G1 "	93
XL14.0/453MA	14.0	10.9	77.6	11.8	12900	14	Φ22	Φ35	2G1 "	120
XL16.6/453MA	16.6	12.9	107.6	15.8	11700	14	Φ22	Φ35	2G1 "	133
XL18.2/454MA	18.2	14.2	101.1	15.8	17200	15	Φ22	Φ35	2G1 "	153
XL21.6/454MA	21.6	16.8	134.8	21.0	15600	15	Φ22	Φ35	2G1 "	169
550风机系列 550 Fan Series										
XL9.8/551MA	9.8	7.6	54.5	8.5	7400	18	Φ16	Φ28	G1 "	82
XL11.4/551MA	11.4	8.9	68.0	10.6	7000	18	Φ16	Φ28	G1 "	89
XL12.5/551MA	12.5	9.8	81.6	12.7	6600	18	Φ16	Φ28	G1 "	95
XL19.6/552MA	19.6	15.3	108.8	17.0	14800	20	Φ22	Φ35	G1 "	143
XL22.9/552MA	22.9	17.9	136.0	21.2	14000	20	Φ22	Φ35	G1 "	156
XL25.0/552MA	25.0	19.5	163.3	25.5	13200	20	Φ22	Φ35	G1 "	169
XL29.4/553MA	29.4	22.9	163.3	25.5	22200	22	Φ28	Φ42	2G1 "	204
XL34.3/553MA	34.3	26.8	204.1	31.8	21000	22	Φ28	Φ42	2G1 "	224
XL37.5/553MA	37.5	29.3	244.9	38.2	19800	22	Φ28	Φ50	2G1 "	245
XL39.2/554MA	39.2	30.6	217.7	34.0	29600	24	Φ28	Φ50	3G1 "	266
XL45.7/554MA	45.7	35.6	272.1	42.5	28000	24	Φ28	Φ50	3G1 "	291
XL50.0/554MA	50.0	39.0	326.5	50.9	26400	24	Φ28	Φ50	3G1 "	319
630风机系列 630 Fan Series										
XL15.9/631MA	15.9	12.4	93.3	14.6	10100	28	Φ22	Φ28	G1 "	120
XL18.8/631MA	18.8	14.7	116.6	18.2	9800	28	Φ22	Φ35	G1 "	132
XL21.0/631MA	21.0	16.4	139.9	21.8	9500	28	Φ22	Φ35	G1 "	143
XL31.7/632MA	31.7	24.7	186.6	29.1	20200	30	Φ22	Φ42	2G1 "	212
XL37.3/632MA	37.3	29.1	233.2	36.4	19600	30	Φ22	Φ42	2G1 "	236
XL42.0/632MA	42.0	32.8	279.9	43.7	19000	30	Φ22	Φ42	2G1 "	258
XL47.6/633MA	47.6	37.1	279.9	43.7	30300	32	Φ28	Φ50	3G1 "	305
XL56.0/633MA	56.0	43.7	349.8	54.6	29400	32	Φ28	Φ50	3G1 "	340
XL63.0/633MA	63.0	49.1	419.8	65.5	28500	32	Φ28	Φ50	3G1 "	374

备注：表中TC为库温，△T为库温与蒸发温度之差。

Note: Tc in the table represents the storage temperature, and △T represents the difference between the storage temperature and the evaporation temperature.



● 片距 Fin Space 6.0mm

型号 Model	制冷量/R404A(KW) Refrigeration Capacity		面积 Area	管容积 Tube Volume	风量 Air Volume	射程 Range	接口规格 (mm) Interface Specifications			重量 Weight
	Tc=0°C △T=8K	Tc=-18°C △T=7K					m ²	dm ³	m ³ /h	
350风机系列 350 Fan Series										
XL1.4/351LB	1.8	1.4	8.2	1.7	2400	7	Φ12.7	Φ19	G1 "	33
XL1.9/351LB	2.4	1.9	12.3	2.5	2150	7	Φ12.7	Φ19	G1 "	35
XL2.8/352LB	3.6	2.8	16.4	3.4	4800	8	Φ12.7	Φ19	G1 "	52
XL3.8/352LB	4.9	3.8	24.6	5.1	4300	8	Φ12.7	Φ22	G1 "	57
XL4.2/353LB	5.4	4.2	24.6	5.1	7200	9	Φ12.7	Φ22	G1 "	72
XL5.6/353LB	7.2	5.6	37.0	7.6	6450	9	Φ12.7	Φ22	G1 "	79
XL5.6/354LB	7.2	5.6	32.9	6.7	9600	10	Φ12.7	Φ22	G1 "	92
XL7.5/354LB	9.6	7.5	49.3	10.1	8600	10	Φ16	Φ28	G1 "	101
450风机系列 450 Fan Series										
XL2.7/451LA	3.5	2.7	19.2	3.9	4500	12	Φ12.7	Φ22	G1 "	48
XL3.2/451LA	4.1	3.2	25.6	5.3	4100	12	Φ12.7	Φ22	G1 "	52
XL5.5/452LA	7.1	5.5	38.4	7.9	9000	13	Φ16	Φ28	G1 "	80
XL6.5/452LA	8.3	6.5	51.3	10.5	8200	13	Φ16	Φ28	G1 "	87
XL8.3/453LA	10.6</									

PERFORMANCE PARAMETER TABLE

→ 吊顶式冷风机性能参数表

● 片距 Fin Space 9.0mm

型号 Model	制冷量/R404A(KW) Refrigeration Capacity		面积 Area m ²	管容积 Tube Volume dm ³	风量 Air Volume m ³ /h	射程 Range m	接口规格 (mm) Interface Specifications			重量 Weight kg
	Tc=0°C △T=8K	Tc=-18°C △T=7K					进液 Feed Liquor	回气 Return Air	排水 Drainage	
350风机系列 350 Fan Series										
XL1.1/351JB	1.4	1.1	5.6	1.7	2500	7	Φ12.7	Φ19	G1 "	32
XL1.6/351JB	2.1	1.6	8.5	2.5	2300	7	Φ12.7	Φ19	G1 "	34
XL2.3/352JB	2.9	2.3	11.3	3.4	5000	8	Φ12.7	Φ19	G1 "	50
XL3.1/352JB	4.0	3.1	16.9	5.1	4600	8	Φ12.7	Φ22	G1 "	54
XL3.4/353JB	4.4	3.4	16.9	5.1	7500	9	Φ12.7	Φ22	G1 "	69
XL4.7/353JB	6.0	4.7	25.4	7.6	6900	9	Φ12.7	Φ22	G1 "	74
XL4.5/354JB	5.8	4.5	22.5	6.7	10000	10	Φ12.7	Φ22	G1 "	88
XL6.2/354JB	7.9	6.2	33.8	10.1	9200	10	Φ16	Φ28	G1 "	95
450风机系列 450 Fan Series										
XL2.2/451JA	2.8	2.2	13.2	3.9	4700	12	Φ12.7	Φ22	G1 "	46
XL2.6/451JA	3.3	2.6	17.6	5.3	4300	12	Φ12.7	Φ22	G1 "	49
XL4.3/452JA	5.5	4.3	26.4	7.9	9400	13	Φ16	Φ28	G1 "	75
XL5.2/452JA	6.7	5.2	35.2	10.5	8600	13	Φ16	Φ28	G1 "	81
XL6.7/453JA	8.6	6.7	40.6	11.8	14100	14	Φ22	Φ35	2G1 "	107
XL8.0/453JA	10.3	8.0	54.1	15.8	12900	14	Φ22	Φ35	2G1 "	115
XL8.5/454JA	10.9	8.5	52.7	15.8	18800	15	Φ22	Φ35	2G1 "	135
XL10.5/454JA	13.5	10.5	70.3	21.0	17200	15	Φ22	Φ35	2G1 "	146
550风机系列 550 Fan Series										
XL5.7/551JA	7.3	5.7	28.5	8.5	7800	18	Φ16	Φ28	G1 "	72
XL6.9/551JA	8.8	6.9	35.5	10.6	7500	18	Φ16	Φ28	G1 "	77
XL7.9/551JA	10.1	7.9	42.6	12.7	7200	18	Φ16	Φ28	G1 "	81
XL11.5/552JA	14.7	11.5	56.8	17.0	15600	20	Φ22	Φ35	G1 "	123
XL13.6/552JA	17.4	13.6	71.2	21.2	15000	20	Φ22	Φ35	G1 "	132
XL15.8/552JA	20.3	15.8	85.2	25.5	14400	20	Φ22	Φ35	G1 "	141
XL17.0/553JA	21.8	17.0	85.2	25.5	23400	22	Φ28	Φ42	2G1 "	175
XL20.5/553JA	26.3	20.5	106.5	31.8	22500	22	Φ28	Φ42	2G1 "	189
XL23.6/553JA	30.3	23.6	127.8	38.2	21600	22	Φ28	Φ50	2G1 "	202
XL22.6/554JA	29.0	22.6	112.6	34.0	31200	24	Φ28	Φ50	3G1 "	227
XL27.2/554JA	34.9	27.2	142.0	42.5	30000	24	Φ28	Φ50	3G1 "	244
XL31.8/554JA	40.8	31.8	170.5	50.9	28800	24	Φ28	Φ50	3G1 "	261
630风机系列 630 Fan Series										
XL9.0/631JA	11.5	9.0	48.7	14.6	10300	28	Φ22	Φ28	G1 "	103
XL10.5/631JA	13.5	10.5	60.8	18.2	10000	28	Φ22	Φ35	G1 "	111
XL11.7/631JA	15.0	11.7	73.0	21.8	9700	28	Φ22	Φ35	G1 "	118
XL17.9/632JA	22.9	17.9	97.4	29.1	20600	30	Φ22	Φ42	2G1 "	179
XL20.9/632JA	26.8	20.9	121.7	36.4	20000	30	Φ22	Φ42	2G1 "	195
XL23.4/632JA	30.0	23.4	146.0	43.7	19400	30	Φ22	Φ42	2G1 "	209
XL26.9/633JA	34.5	26.9	146.0	43.7	30900	32	Φ28	Φ50	3G1 "	257
XL31.4/633JA	40.3	31.4	182.5	54.6	30000	32	Φ28	Φ50	3G1 "	279
XL35.0/633JA	44.9	35.0	219.1	65.5	29100	32	Φ28	Φ50	3G1 "	301

备注：表中Tc为库温，△T为库温与蒸发温度之差。

Note: Tc in the table represents the storage temperature, and △T represents the difference between the storage temperature and the evaporation temperature.

ELECTRICAL PARAMETER TABLE

→ 电气参数表



型号 Model	风扇电机 Fan Motor				电热化霜 Electric Defrosting		
	电压(V) Voltage	功率(W) Power	电流(A) Electric Current	转速(r/min) Rotational Speed	盘管:KW Coil	水盆:KW Basin	总功率:KW Total Power
XL*/351**	220-1	165	0.75	1420	2×0.5	1×0.5	1.5
XL*/351**	220-1	165	0.75	1420	2×0.5	1×0.5	1.5
XL*/352**	220-1	330	1.50	1420	2×0.9	1×0.9	2.7
XL*/352**	220-1	330	1.50	1420	2×0.9	1×0.9	2.7
XL*/353**	220-1	495	2.25	1420	2×1.3	1×1.3	3.9
XL*/353**	220-1	495	2.25	1420	2×1.3	1×1.3	3.9
XL*/354**	220-1	660	3.00	1420	2×1.7	1×1.7	5.1
XL*/354**	220-1	660	3.00	1420	2×1.7	1×1.7	5.1
XL*/451**	380-3	290	0.59	1328	3×0.65	1×0.65	2.6
XL*/451**	380-3	290	0.59	1328	4×0.65	1×0.65	3.3
XL*/452**	380-3	580	1.18	1328	3×1.17	1×1.17	4.7
XL*/452**	380-3	580	1.18	1328	4×1.17	1×1.17	5.9
XL*/453**	380-3	870	1.77	1328	3×1.73	1×1.73	6.9
XL*/453**	380-3	870	1.77	1328	4×1.73	1×1.73	8.7
XL*/454**	380-3	1160	2.36	1328	3×2.2	1×2.2	8.8
XL*/454**	380-3	1160	2.36	1328	4×2.2	1×2.2	11.0
XL*/551**	380-3	670	1.27	1377	4×0.8	2×0.8	4.8
XL*/551**	380-3	670	1.27	1377	6×0.8	2×0.8	6.4
XL*/551**	380-3	670	1.27	1377	6×0.8	2×0.8	6.4
XL*/552**	380-3	1340	2.54	1377	4×1.6	2×1.6	9.6
XL*/552**	380-3	1340	2.54				

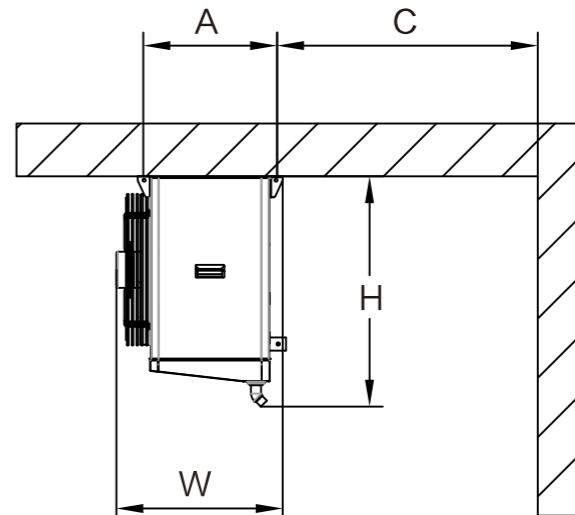
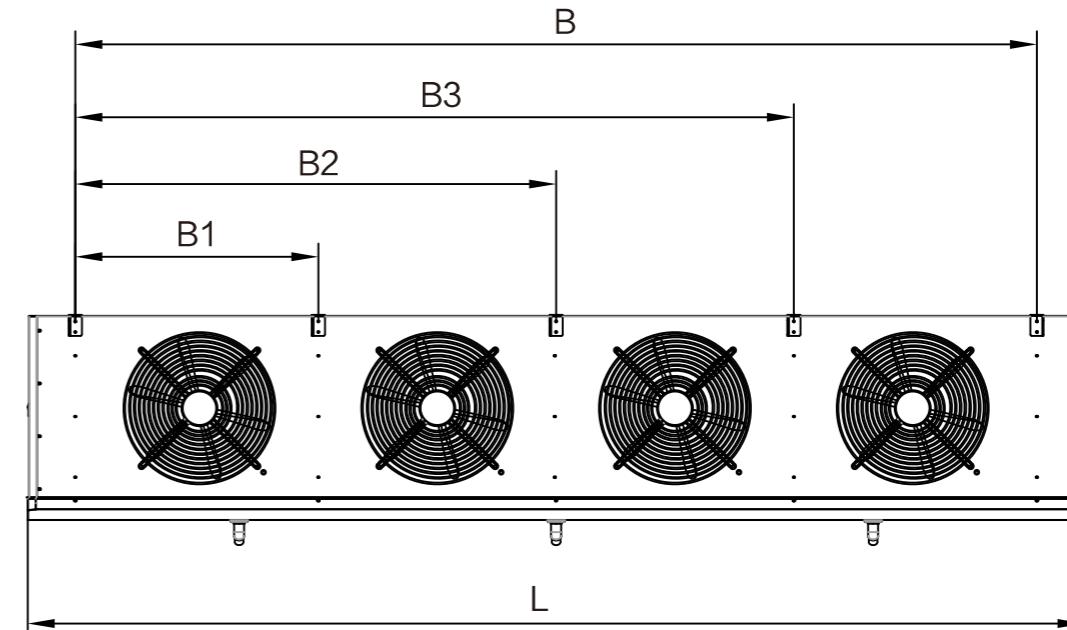
APPEARANCE AND INSTALLATION DIMENSIONS

→ 外形及安装尺寸

型号 Model	外形尺寸(mm) External Dimensions			安装尺寸(mm) Installation Size						
	L	W	H	A	B	B1	B2	B3	C	安装孔 Mounting Hole
XL*/351**	910	430	670	360	540	/	/	/	350	4-Φ13
XL*/352**	1410	430	670	360	1040	/	/	/	350	4-Φ13
XL*/353**	1910	430	670	360	1540	/	/	/	350	4-Φ13
XL*/354**	2410	430	670	360	2040	/	1020	/	350	6-Φ13
XL*/451**	1060	495	775	410	690	/	/	/	450	4-Φ13
XL*/452**	1710	495	775	410	1340	/	/	/	450	4-Φ13
XL*/453**	2360	495	775	410	1990	/	/	/	450	4-Φ13
XL*/454**	3010	495	775	410	2640	/	1320	/	450	6-Φ13
XL*/551**	1310	600	875	510	940	/	/	/	550	4-Φ13
XL*/552**	2210	600	875	510	1840	920	/	/	550	6-Φ13
XL*/553**	3110	600	875	510	2740	920	1820	/	550	8-Φ13
XL*/554**	4010	600	875	510	3640	920	1820	2720	550	10-Φ13
XL*/631**	1610	690	1070	600	1240	/	/	/	600	4-Φ13
XL*/632**	2810	690	1070	600	2440	1220	/	/	600	6-Φ13
XL*/633**	4010	690	1070	600	3640	1220	2420	/	600	8-Φ13

APPEARANCE AND INSTALLATION DIMENSIONS

→ 外形及安装尺寸



XW 水冲霜冷风机

XW Water Flushing Frost Air Cooler



大制冷量
High Cooling Capacity



安全除霜
Safe Defrosting



防火阻燃
Fireproof



低噪音
Low Noise

产品概述 PRODUCT OVERVIEW

- ◆ 外壳：采用优质镀锌钢板表面喷塑，防腐性能强；两侧盖板采用螺丝固定，紧密性好。
- ◆ 盘管：采用Φ15mm铜管、管间距50×50正方形排列，具有传热面积大，传热温差小。
- ◆ 亲水铝箔波纹式铝片，片距有4.5mm、6.0mm、9.0mm，满足不同的温湿度要求。
- ◆ 采用整体拉伸的大圆弧的高风筒设计，导风效果好，射程远、噪音低。
- ◆ 风机：大功率外转子风机，使用温度-30℃~-60℃；风机规格Φ350、Φ450、Φ550、Φ630，提供用户选择。
- ◆ 水除霜：化霜时间短，对库温影响小；采用筛网式的冲霜水盘及内外挡水板，防止冲霜水溅入库内及风叶上。
- ◆ 可根据客户的需求预装膨胀阀、风圈加热带等选配件。
- ◆ 可满足R404A、R507A、R448A、R449A、R134A、R22等制冷剂使用。
- ◆ Shell: Made of high-quality galvanized steel plate surface sprayed with plastic, with strong anti-corrosion performance; The two side cover plates are fixed with screws for good tightness.
- ◆ Coil: Made of 15mm copper tube with a spacing of 50 × 50 square arrangement, it has a large heat transfer area and small heat transfer temperature difference.
- ◆ Hydrophilic aluminum foil corrugated aluminum sheet, with fin space of 4.5mm, 6.0mm, and 9.0mm, meets different temperature and humidity requirements.
- ◆ The high air duct design adopts a large circular arc with overall stretching, which has good air guiding effect, long range, and low noise.
- ◆ Fan: High power external rotor fan, operating temperature -30 °C~60 °C; Fan specification: φ 350、φ 450、φ 550、φ 630, Provide user selection.
- ◆ Water defrosting: Short defrosting time, minimal impact on storage temperature; Adopting a screen type defrosting water tray and inner and outer water blocking plates to prevent defrosting water from splashing into the warehouse and on the fan blades.
- ◆ Optional accessories such as expansion valves and fan coil heating belts can be pre installed according to customer needs.
- ◆ Can meet the needs of refrigerants such as R404A, R507A, R448A, R449A, R134A, R22, etc.

型号说明 MODEL DESCRIPTION

XW 19.9 / 55 3 L A

电压: A: 380V; B: 220V
Voltage: A: 380V; B: 220V

M: 4.5mm; L: 6.0mm; J: 9.0mm;

电机数量
Number of motors

风机直径: mm
Fan diameter: mm

制冷量: KW
Cooling capacity: KW

产品系列
Product series



PERFORMANCE PARAMETER TABLE

→ 水冲霜冷风机性能参数表

● 片距 Fin Space 4.5mm

型号 Model	制冷量/R404A(KW) Refrigeration Capacity		面积 Area	管容积 Tube Volume	风量 Air Volume	射程 Range	风机 Fan		水接口 (mm) Water Interface		冲霜水 Frost Water	重量 Weight
	Tc=0°C △T=8K	Tc=-18°C △T=7K	m ²	dm ³	m ³ /h	m	功率 (W) Power	电流 (A) Electric Current	进水 Water Intake	排水 Drainage	m ³ /h	kg
450风机系列 450 Fan Series												
XW4.5/451MA	4.5	3.5	25.3	3.9	4300	12	290	0.59	G1.5 "	G2.5 "	1.08	60
XW5.4/451MA	5.4	4.2	33.7	5.3	3900	12	290	0.59	G1.5 "	G2.5 "	1.29	65
XW9.1/452MA	9.1	7.1	50.5	7.9	8600	13	580	1.18	G1.5 "	G2.5 "	2.18	101
XW10.8/452MA	10.8	8.4	67.4	10.5	7800	13	580	1.18	G1.5 "	G2.5 "	2.58	111
XW14.0/453MA	14.0	10.9	77.6	11.8	12900	14	870	1.77	G1.5 "	G2.5 "	3.35	144
XW16.6/453MA	16.6	12.9	107.6	15.8	11700	14	870	1.77	G1.5 "	G2.5 "	3.97	160
XW18.2/454MA	18.2	14.2	101.1	15.8	17200	15	1160	2.36	2-G1.5 "	G3 "	4.35	183
XW21.6/454MA	21.6	16.8	134.8	21.0	15600	15	1160	2.36	2-G1.5 "	G3 "	5.17	203
550风机系列 550 Fan Series												
XW9.8/551MA	9.8	7.6	54.5	8.5	7400	18	670	1.27	G1.5 "	G2.5 "	2.34	98
XW11.4/551MA	11.4	8.9	68.0	10.6	7000	18	670	1.27	G1.5 "	G2.5 "	2.73	106
XW12.5/551MA	12.5	9.8	81.6	12.7	6600	18	670	1.27	G1.5 "	G2.5 "	2.99	114
XW19.6/552MA	19.6	15.3	108.8	17.0	14800	20	1340	2.54	G1.5 "	G2.5 "	4.69	171
XW22.9/552MA	22.9	17.9	136.0	21.2	14000	20	1340	2.54	G1.5 "	G2.5 "	5.48	187
XW25.0/552MA	25.0	19.5	163.3	25.5	13200	20	1340	2.54	G1.5 "	G2.5 "	5.98	203
XW29.4/553MA	29.4	22.9	163.3	25.5	22200	22	2010	3.81	2-G1.5 "	G3 "	7.03	244
XW34.3/553MA	34.3	26.8	204.1	31.8	21000	22	2010	3.81	2-G1.5 "	G3 "	8.21	269
XW37.5/553MA	37.5	29.3	244.9	38.2	19800	22	2010	3.81	2-G1.5 "	G3 "	8.97	294
XW39.2/554MA	39.2	30.6	217.7	34.0	29600	24	2680	5.08	2-G1.5 "	G3 "	9.38	319
XW45.7/554MA	45.7	35.6	272.1	42.5	28000	24	2680	5.08	2-G1.5 "	G3 "	10.93	350
XW50.0/554MA	50.0	39.0	326.5	50.9	26400	24	2680	5.08	2-G1.5 "	G3 "	11.96	382
630风机系列 630 Fan Series												
XW15.9/631MA	15.9	12.4	93.3	14.6	10100	28	937	1.75	G1.5 "	G2.5 "	3.80	144
XW18.8/631MA	18.8	14.7	116.6	18.2	9800	28	937	1.75	G1.5 "	G2.5 "	4.50	158
XW21.0/631MA	21.0	16.4	139.9	21.8	9500	28	937	1.75	G1.5 "	G2.5 "	5.02	172
XW31.7/632MA	31.7	24.7	186.6	29.1	20200	30	1874	3.5	G1.5 "	G2.5 "	7.58	255
XW37.3/632MA	37.3	29.1	233.2	36.4	19600	30	1874	3.5	G1.5 "	G2.5 "	8.92	283
XW42.0/632MA	42.0	32.8	279.9	43.7	19000	30	1874	3.5	G1.5 "	G2.5 "	10.05	310
XW47.6/633MA	47.6	37.1	279.9	43.7	30300	32	2811	5.25	2-G1.5 "	G3 "	11.39	367
XW56.0/633MA	56.0	43.7	349.8	54.6	29400	32	2811	5.25	2-G1.5 "	G3 "	13.40	408
XW63.0/633MA	63.0	49.1	419.8	65.5	28500	32	2811	5.25	2-G1.5 "	G3 "	15.07	449



● 片距 Fin Space 6.0mm

型号 Model	制冷量/R404A(KW) Refrigeration Capacity		面积 Area	管容积 Tube Volume	风量 Air Volume	射程 Range	风机 Fan		水接口 (mm) Water Interface		冲霜水 Frost Water	重量 Weight
	Tc=0°C △T=8K	Tc=-18°C △T=7K	m ²	dm ³	m ³ /h	m	功率 (W) Power	电流 (A) Electric Current	进水 Water Intake	排水 Drainage	m ³ /h	kg
450风机系列 450 Fan Series												
XW2.7/451LA	3.5	2.7	19.2	3.9	4500	12	290	0.59	G1.5 "	G2.5 "	0.65	60
XW3.2/451LA	4.1	3.2	25.6	5.3	4100	12	290	0.59	G1.5 "	G2.5 "	0.77	64
XW5.5/452LA	7.1	5.5	38.4	7.9	9000	13	580	1.18	G1.5 "	G2.5 "	1.32	100
XW6.5/452LA	8.3	6.5	51.3	10.5	8200	13	580	1.18	G1.5 "	G2.5 "	1.56	108
XW8.3/453LA	10.6	8.3	59.2	11.8	13500	14	870	1.77	G1.5 "	G2.5 "	1.99	136
XW9.8/453LA	12.6	9.8	78.9	15.8	12300	14	870	1.77	G1.5 "	G2.5 "	2.34	149
XW11.1/454LA	14.2	11.1	76.9	15.8	18000	15	1160	2.36	2-G1.5 "	G3 "	2.66	172
XW13.2/454LA	16.9	13.2	102.5	21.0	16400	15	1160	2.36	2-G1.5 "	G3 "	3.16	189
550风机系列 550 Fan Series												
XW6.6/551LA	8.5	6.6	41.5	8.5	7600	18	670	1.27	G1.5 "	G2.5 "	1.58	96
XW7.9/551LA	10.1	7.9	51.8	10.6	7200	18	670	1.27	G1.5 "	G2.5 "	1.89	103
XW8.9/551LA	11.4	8.9	62.1	12.7	6900	18	670	1.27	G1.5 "	G2.5 "	2.13	110
XW13.3/552LA	17.1	13.3	82.8	17.0	15200	20	1340	2.54	G1.5 "	G2.5 "	3.18	160
XW15.7/552LA	20.1	15.7	103.5	21.2	14400	20	1340	2.54	G1.5 "	G2.5 "	3.76	173
XW17.9/552LA	22.9	17.9	124.2	25.5	13800	20	1340	2.54	G1.5 "	G2.5 "	4.28	186
XW19.9/553LA	25.5	19.9	124.2	25.5	22800	22	2010	3.81	2-G1.5 "	G3 "	4.76	228
XW23.6/553LA	30.3	23.6	155.3	31.8	21600	22	2010	3.81	2-G1.5 "	G3 "	5.65	248
XW26.8/553LA	34.4	26.8	186.3	38.2	20700	22	2010	3.81	2-G1.5 "	G3 "	6.41	268
XW26.5/554LA	34.0	26.5	165.6	34.0	30400	24	2680	5.08	2-G1.5 "	G3 "	6.34	295
XW31.5/554LA	40.4	31.5	207.0	42.5	28800	24	2680	5.08	2-G1.5 "	G3 "	7.54	321
XW35.8/554LA	45.9	35.8	248.5	50.9	27600	24	2680	5.08	2-G1.5 "	G3 "	8.56	347
630风机系列 630 Fan Series												
XW10.8/631LA	13.8	10.8	71.0	14.6	10200	28	937	1.75	G1.5 "	G2.5 "	2.58	139
XW12.8/631LA	16.4	12.8	88.7	18.2	9900	28	937	1.75	G1.5 "	G2.5 "	3.06	152
XW14.5/631LA	18.6	14.5	106.5	21.8	9600	28	937	1.75	G1.5 "	G2.5 "	3.47	163
XW21.6/632LA	27.7	21.6	142.0	29.1	20400	30	1874	3.5	G1.5 "	G2.5 "	5.17	239
XW25.6/632LA	32.8	25.6	177.5	36.4	19800	30	1874	3.5	G1.5 "	G2.5 "	6.12	262
XW29.0/632LA	37.2	29.0	212.9	43.7	19200	30	1874	3.5	G1.5 "	G2.5 "	6.94	285
XW32.5/633LA	41.7	32.5	212.9	43.7	30600	32	2811	5.25	2-G1.5 "	G3 "	7.78	343
XW38.3/633LA	49.1	38.3	266.2	54.6	29700	32	2811	5.25	2-G1.5 "	G3 "	9.16	378
XW43.7/633LA	56.0	43.7	319.4	65.5	28800	32	2811	5.25	2-G1.5 "	G3 "	10.45	413

备注：1. 表中 T_C 为库温， ΔT 为库温与蒸发温度之差，即库温与蒸发温度之

2. 冲雪水量计算依据：雪层厚度1MM，温度0°C，进水温度20°C，出水温度10°C，冲雪时间5分钟。

Note: 1. Tc in the table is the storage temperature, and ΔT is the difference between the storage temperature and the evaporation temperature, that is, the difference between the storage temperature and the subcooling temperature.

2. Calculation basis for defrosting water volume: frost layer thickness of 1mm, temperature of 0 °C, inlet water temperature of 20 °C, outlet water temperature of 10 °C, defrosting time of 5 minutes.

备注：1. 表中 T_C 为库温， ΔT 为库温与蒸发温度之差，即库温与蒸发温度之差。

3. 油雾水量计算依据： 雾层厚度1MM，温度20℃，进水温度20℃，出水温度10℃，油雾时间5分钟。

Note: 1. Tc in the table is the storage temperature, and ΔT is the difference between the storage temperature and the evaporation temperature, that is, the difference between the storage temperature and the supercooling temperature.

2. Calculation basis for defrosting water volume: frost layer thickness of 1mm, temperature of 0 °C, inlet water temperature of 20 °C, outlet water temperature of 10 °C, defrosting time of 5 minutes.

PERFORMANCE PARAMETER TABLE

→ 水冲霜冷风机性能参数表

○ 片距 Fin Space 9.0mm

型号 Model	制冷量/R404A(KW) Refrigeration Capacity		面积 Area	管容积 Tube Volume	风量 Air Volume	射程 Range	风 机 Fan		水接口 (mm) Water Interface		冲霜水 Frost Water	重量 Weight
	Tc=0°C △T=8K	Tc=-18°C △T=7K					功率 (W) Power	电流 (A) Electric Current	进水 Water Intake	排水 Drainage		
450风机系列 450 Fan Series												
XW2.2/451JA	2.8	2.2	13.2	3.9	4700	12	290	0.59	G1.5 "	G2.5 "	0.53	57
XW2.6/451JA	3.3	2.6	17.6	5.3	4300	12	290	0.59	G1.5 "	G2.5 "	0.62	61
XW4.3/452JA	5.5	4.3	26.4	7.9	9400	13	580	1.18	G1.5 "	G2.5 "	1.03	94
XW5.2/452JA	6.7	5.2	35.2	10.5	8600	13	580	1.18	G1.5 "	G2.5 "	1.24	101
XW6.7/453JA	8.6	6.7	40.6	11.8	14100	14	870	1.77	G1.5 "	G2.5 "	1.60	128
XW8.0/453JA	10.3	8.0	54.1	15.8	12900	14	870	1.77	G1.5 "	G2.5 "	1.91	138
XW8.5/454JA	10.9	8.5	52.7	15.8	18800	15	1160	2.36	2-G1.5 "	G3 "	2.03	162
XW10.5/454JA	13.5	10.5	70.3	21.0	17200	15	1160	2.36	2-G1.5 "	G3 "	2.51	175
550风机系列 550 Fan Series												
XW5.7/551JA	7.3	5.7	28.5	8.5	7800	18	670	1.27	G1.5 "	G2.5 "	1.36	90
XW6.9/551JA	8.8	6.9	35.5	10.6	7500	18	670	1.27	G1.5 "	G2.5 "	1.65	96
XW7.9/551JA	10.1	7.9	42.6	12.7	7200	18	670	1.27	G1.5 "	G2.5 "	1.89	101
XW11.5/552JA	14.7	11.5	56.8	17.0	15600	20	1340	2.54	G1.5 "	G2.5 "	2.75	148
XW13.6/552JA	17.4	13.6	71.2	21.2	15000	20	1340	2.54	G1.5 "	G2.5 "	3.25	158
XW15.8/552JA	20.3	15.8	85.2	25.5	14400	20	1340	2.54	G1.5 "	G2.5 "	3.78	169
XW17.0/553JA	21.8	17.0	85.2	25.5	23400	22	2010	3.81	2-G1.5 "	G3 "	4.07	210
XW20.5/553JA	26.3	20.5	106.5	31.8	22500	22	2010	3.81	2-G1.5 "	G3 "	4.90	226
XW23.6/553JA	30.3	23.6	127.8	38.2	21600	22	2010	3.81	2-G1.5 "	G3 "	5.65	243
XW22.6/554JA	29.0	22.6	112.6	34.0	31200	24	2680	5.08	2-G1.5 "	G3 "	5.41	273
XW27.2/554JA	34.9	27.2	142.0	42.5	30000	24	2680	5.08	2-G1.5 "	G3 "	6.51	292
XW31.8/554JA	40.8	31.8	170.5	50.9	28800	24	2680	5.08	2-G1.5 "	G3 "	7.61	313
630风机系列 630 Fan Series												
XW9.0/631JA	11.5	9.0	48.7	14.6	10300	28	937	1.75	G1.5 "	G2.5 "	2.15	129
XW10.5/631JA	13.5	10.5	60.8	18.2	10000	28	937	1.75	G1.5 "	G2.5 "	2.51	139
XW11.7/631JA	15.0	11.7	73.0	21.8	9700	28	937	1.75	G1.5 "	G2.5 "	2.80	148
XW17.9/632JA	22.9	17.9	97.4	29.1	20600	30	1874	3.5	G1.5 "	G2.5 "	4.28	219
XW20.9/632JA	26.8	20.9	121.7	36.4	20000	30	1874	3.5	G1.5 "	G2.5 "	5.00	238
XW23.4/632JA	30.0	23.4	146.0	43.7	19400	30	1874	3.5	G1.5 "	G2.5 "	5.60	255
XW26.9/633JA	34.5	26.9	146.0	43.7	30900	32	2811	5.25	2-G1.5 "	G3 "	6.44	313
XW31.4/633JA	40.3	31.4	182.5	54.6	30000	32	2811	5.25	2-G1.5 "	G3 "	7.51	340
XW35.0/633JA	44.9	35.0	219.1	65.5	29100	32	2811	5.25	2-G1.5 "	G3 "	8.37	368

备注：1. 表中TC为库温，△T为库温与蒸发温度之差,即库温与蒸发温度之差。

2. 冲霜水量计算依据：霜层厚度1MM、温度0°C，进水温度20°C，出水温度10°C，冲霜时间5分钟。

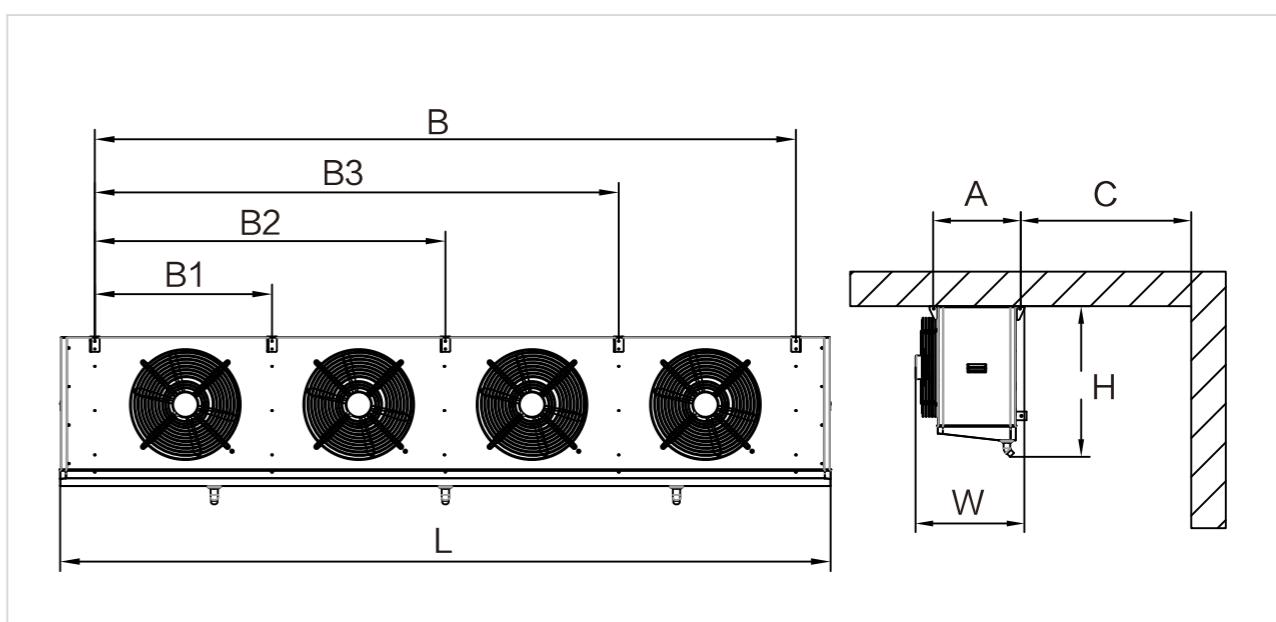
Note: 1. Tc in the table is the storage temperature, and △T is the difference between the storage temperature and the evaporation temperature.

2. Calculation basis for defrosting water volume: frost layer thickness of 1mm, temperature of 0 °C, inlet water temperature of 20 °C, outlet water temperature of 10 °C, defrosting time of 5 minutes.

APPEARANCE AND INSTALLATION DIMENSIONS

→ 外形及安装尺寸

型号 Model	外形尺寸(mm) External Dimensions			安装尺寸(mm) Installation Size						安装孔 Mounting Hole
	L	W	H	A	B	B1	B2	B3	C	
XW*/451**	1060	650	920	580	690	/	/	/	450	4-Φ13
XW*/452**	1710	650	920	580	1340	/	/	/	450	4-Φ13
XW*/453**	2360	650	920	580	1990	/	/	/	450	4-Φ13
XW*/454**	3010	650	920	580	2640	/	1320	/	450	6-Φ13
XW*/551**	1310	720	1020	635	940	/	/	/	550	4-Φ13
XW*/552**	2210	720	1020	635	1840	920	/	/	550	6-Φ13
XW*/553**	3110	720	1020	635	2740	920	1820	/	550	8-Φ13
XW*/554**	4010	720	1020	635	3640	920	1820	2720	550	10-Φ13
XW*/631**	1610	750	1200	660	1240	/	/	/	600	4-Φ13
XW*/632**	2810	750	1200	660	2440	1220	/	/	600	6-Φ13
XW*/633**	4010	750	1200	660	3640	1220	2420	/	600	8-Φ13



XH 冷风机
XH Air Cooler

大制冷量
High Cooling Capacity



安全除霜
Safe Defrosting



低噪音
Low Noise



不易变形
Not Easily Deformed

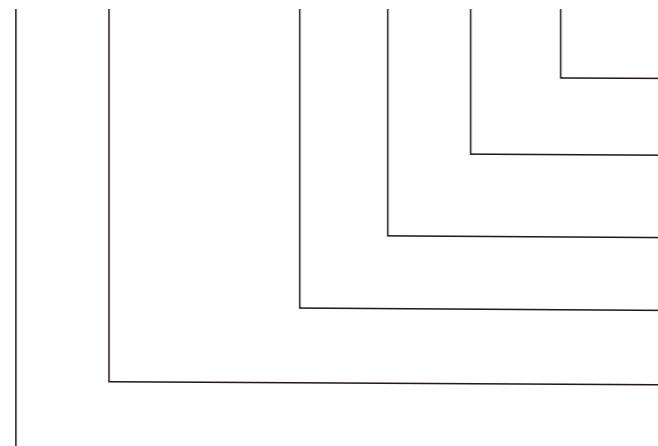
➤ 产品概述 PRODUCT OVERVIEW

- ◆ 外壳：采用优质镀锌钢板表面喷塑，防腐性能强；两侧盖板采用螺丝固定，紧密性好。
- ◆ 双层水盆设计：外水盆采用带角度的菱角型结构，排水顺畅，无死角；内水盘采用铝板的水槽型结构。
- ◆ 盘管：采用 ϕ 12.7mm内螺纹铜管、管间距55×27.5三角形排列，具有传热面积大，传热温差小。
- ◆ 亲水铝箔波纹式铝片，片距有4.5mm、6.0mm、9.0mm，满足不同的温湿度要求。
- ◆ 采用整体拉伸的大圆弧的高风筒设计，导风效果好，射程远、噪音低。
- ◆ 风机：大功率外转子风机，使用温度-30℃ ~ -60℃；风机规格Φ350、Φ450、Φ550、Φ630，提供用户选择。
- ◆ 除霜：标准采用电热除霜，不锈钢加热管均布于盘管翅片中机内水盘上，独立的加热管接线盒。
- ◆ 可根据客户的需求预装膨胀阀、风圈加热带等选配件。
- ◆ 可满足R404A、R507A、R448A、R449A、R134A、R22等制冷剂使用。
- ◆ Shell: Made of high-quality galvanized steel plate surface sprayed with plastic, with strong anti-corrosion performance; The two side cover plates are fixed with screws for good tightness.
- ◆ Double layer water basin design: The outer water basin adopts a water chestnut shaped structure with angles, ensuring smooth drainage and no dead corners; The internal water tray adopts a sink type structure made of aluminum plate.
- ◆ Coil: Made of internally threaded copper pipes with a diameter of 12.7mm and arranged in a triangular pattern with a spacing of 55 × 27.5, it has a large heat transfer area and small heat transfer temperature difference.
- ◆ Hydrophilic aluminum foil corrugated aluminum sheet, with fin space of 4.5mm, 6.0mm, and 9.0mm, meets different temperature and humidity requirements.
- ◆ The high air duct design adopts a large circular arc with overall stretching, which has good air guiding effect, long range, and low noise.
- ◆ Fan: High power external rotor fan, operating temperature -30 °C~60 °C; Fan specification: ϕ 350、 ϕ 450、 ϕ 550、 ϕ 630, Provide user selection.
- ◆ Defrosting: The standard uses electric defrosting, with stainless steel heating tubes evenly distributed on the water tray inside the coil fins and independent heating tube junction boxes.
- ◆ Optional accessories such as expansion valves and fan coil heating belts can be pre installed according to customer needs.
- ◆ Can meet the needs of refrigerants such as R404A, R507A, R448A, R449A, R134A, R22, etc.



➤ 型号说明 MODEL DESCRIPTION

XH 11.9 / 45 2 L A



电压: A: 380V; B: 220V
Voltage: A: 380V; B: 220V

M: 4.5mm; L: 6.0mm; J: 9.0mm;

电机数量
Number of motors

风机直径: mm
Fan diameter: mm

制冷量: KW
Cooling capacity: KW

产品系列
Product series



PERFORMANCE PARAMETER TABLE

→ 吊顶式冷风机性能参数表

● 片距 Fin Space 4.5mm

型号 Model	制冷量/R404A(KW) Refrigeration Capacity		面积 Area	管容积 Tube Volume	风量 Air Volume	射程 Range	接口规格 (mm) Interface Specifications			重量 Weight
	Tc=0°C △T=8K	Tc=-18°C △T=7K					进液 Feed Liquor	回气 Return Air	排水 Drainage	
350风机系列 350 Fan Series										
XH3.4/351MA	3.4	2.6	12.6	2.3	2200	15	Φ12.7	Φ22	G1 "	35
XH4.0/351MA	4.0	3.1	18.8	3.5	1950	13	Φ12.7	Φ22	G1 "	40
XH6.8/352MA	6.8	5.3	25.1	4.6	4400	16	Φ16	Φ22	G1 "	52
XH8.0/352MA	8.0	6.2	37.7	6.9	3900	14	Φ16	Φ22	G1 "	58
XH10.1/353MA	10.1	7.9	37.7	6.9	6600	17	Φ16	Φ28	G1 "	72
XH11.9/353MA	11.9	9.3	56.5	10.4	5850	15	Φ16	Φ28	G1 "	78
XH13.5/354MA	13.5	10.5	50.2	9.2	8800	18	Φ22	Φ35	G1 "	88
XH15.9/354MA	15.9	12.4	75.3	13.8	7800	16	Φ22	Φ35	G1 "	95
450风机系列 450 Fan Series										
XH8.3/451MA	8.3	6.5	33.0	6.0	4900	18	Φ16	Φ35	G1 "	78
XH9.1/451MA	9.1	7.1	44.0	8.1	4400	16	Φ16	Φ35	G1 "	86
XH16.6/452MA	16.6	13.0	65.9	12.1	9800	24	Φ22	Φ35	G1.5 "	130
XH18.3/452MA	18.3	14.2	87.8	16.1	8800	22	Φ22	Φ35	G1.5 "	142
XH24.9/453MA	24.9	19.4	98.8	18.1	14700	28	Φ28	Φ42	G1.5 "	176
XH27.4/453MA	27.4	21.4	131.8	24.2	13200	26	Φ28	Φ42	G1.5 "	190
XH33.2/454MA	33.2	25.9	131.8	24.2	19600	32	Φ28	Φ54	G1.5 "	230
XH36.5/454MA	36.5	28.5	175.7	32.2	17600	30	Φ28	Φ54	G1.5 "	256
550风机系列 550 Fan Series										
XH11.5/551MA	11.5	9.0	43.9	8.1	7200	22	Φ22	Φ28	G1.5 "	96
XH13.2/551MA	13.2	10.3	58.6	10.7	6800	20	Φ22	Φ28	G1.5 "	112
XH23.0/552MA	23.0	17.9	87.8	16.1	14400	26	Φ28	Φ42	G1.5 "	165
XH26.3/552MA	26.3	20.5	117.1	21.5	13600	24	Φ28	Φ42	G1.5 "	186
XH34.5/553MA	34.5	26.9	131.8	24.2	21600	30	Φ28	Φ54	G2 "	230
XH39.5/553MA	39.5	30.8	175.7	32.2	20400	28	Φ28	Φ54	G2 "	256
XH46.0/554MA	46.0	35.9	175.7	32.2	28800	34	Φ35	Φ54	G2 "	295
XH52.6/554MA	52.6	41.0	234.3	43.0	27200	32	Φ35	Φ54	G2 "	325
630风机系列 630 Fan Series										
XH20.2/631MA	20.2	15.8	75.3	13.8	13200	25	Φ28	Φ42	G1.5 "	120
XH23.6/631MA	23.6	18.4	100.4	18.4	12800	23	Φ28	Φ42	G1.5 "	132
XH40.5/632MA	40.5	31.6	150.6	27.6	26400	28	Φ28	Φ54	G2 "	198
XH47.2/632MA	47.2	36.8	200.8	36.8	25600	26	Φ28	Φ54	G2 "	225
XH60.7/633MA	60.7	47.4	225.6	41.4	29600	32	Φ35	Φ54	G2 "	296
XH70.9/633MA	70.9	55.3	301.2	55.3	38400	30	Φ35	Φ54	G2 "	335

备注：表中TC为库温，△T为库温与蒸发温度之差。

Note: Tc in the table represents the storage temperature, and △T represents the difference between the storage temperature and the evaporation temperature.



● 片距 Fin Space 6.0mm

型号 Model	制冷量/R404A(KW) Refrigeration Capacity		面积 Area	管容积 Tube Volume	风量 Air Volume	射程 Range	接口规格 (mm) Interface Specifications			重量 Weight
	Tc=0°C △T=8K	Tc=-18°C △T=7K					进液 Feed Liquor	回气 Return Air	排水 Drainage	
350风机系列 350 Fan Series										
XH2.4/351LA	3.1	2.4	9.6	2.3	2300	15	Φ12.7	Φ22	G1 "	32
XH3.0/351LA	3.8	3.0	14.4	3.5	2000	13	Φ12.7	Φ22	G1 "	36
XH4.8/352LA	6.1	4.8	19.2	4.6	4600	16	Φ16	Φ22	G1 "	48
XH6.0/352LA	7.6	6.0	28.8	6.9	4000	14	Φ16	Φ22	G1 "	53
XH7.2/353LA	9.2	7.2	28.8	6.9	6900	17	Φ16	Φ28	G1 "	66
XH8.9/353LA	11.5	8.9	43.2	10.4	6000	15	Φ16	Φ28	G1 "	72
XH9.6/354LA	12.3	9.6	38.4	9.2	9200	18	Φ22	Φ35	G1 "	82
XH11.9/354LA	15.3	11.9	57.6	13.8	8000	16	Φ22	Φ35	G1 "	89
450风机系列 450 Fan Series										
XH5.9/451LA	7.6	5.9	25.2	6.0	5000	18	Φ16	Φ35	G1 "	75
XH6.8/451LA	8.8	6.8	33.6	8.1	4500	16	Φ16	Φ35	G1 "	82
XH11.9/452LA	15.2	11.9	50.4	12.1	10000	24	Φ22	Φ35	G1.5 "	126
XH13.7/452LA	17.5	13.7	67.2	16.1	9000	22	Φ22	Φ35	G1.5 "	137
XH17.8/453LA	22.8	17.8	75.6	18.1	15000	28	Φ28	Φ42	G1.5 "	167
XH20.5/453LA	26.3	20.5	100.8	24.2	13500	26	Φ28	Φ42	G1.5 "	188
XH23.8/454LA	30.4	23.7	100.8	24.2	20000	32	Φ28	Φ54	G1.5 "	218
XH27.4/454LA	35.1	27.4	134.4	32.2	18000	30	Φ28	Φ54	G1.5 "	242
550风机系列 550 Fan Series										
XH8.2/501LA	10.5	8.2	33.6	8.1	7600	22	Φ22	Φ28	G1.5 "	91
XH9.8/501LA	12.6	9.8	44.8	10.7	7200	20	Φ22	Φ28	G1.5 "	106
XH16.5/502LA	21.1	16.5	67.2	16.1	15200	26	Φ2			

PERFORMANCE PARAMETER TABLE

→ 吊顶式冷风机性能参数表

● 片距 Fin Space 9.0mm

型号 Model	制冷量/R404A(KW) Refrigeration Capacity		面积 Area	管容积 Tube Volume	风量 Air Volume	射程 Range	接口规格 (mm) Interface Specifications			重量 Weight
	Tc=0°C △T=8K	Tc=-18°C △T=7K					m ²	dm ³	m ³ /h	
350风机系列					350 Fan Series					
XH1.8/351JA	2.3	1.8	6.7	2.3	2400	15	Φ12.7	Φ22	G1 "	28
XH2.4/351JA	3.1	2.4	10.0	3.5	2100	13	Φ12.7	Φ22	G1 "	32
XH3.6/352JA	4.6	3.6	13.3	4.6	4800	16	Φ16	Φ22	G1 "	43
XH4.8/352JA	6.1	4.8	20.0	6.9	4200	14	Φ16	Φ22	G1 "	48
XH5.4/353JA	7.0	5.4	20.0	6.9	7200	17	Φ16	Φ28	G1 "	61
XH7.2/353JA	9.2	7.2	30.0	10.4	6300	15	Φ16	Φ28	G1 "	68
XH7.2/354JA	9.3	7.2	26.6	9.2	9600	18	Φ22	Φ35	G1 "	78
XH9.6/354JA	12.3	9.6	39.9	13.8	8400	16	Φ22	Φ35	G1 "	84
450风机系列					450 Fan Series					
XH4.6/451JA	5.9	4.6	17.5	6.0	5200	18	Φ16	Φ35	G1 "	72
XH5.5/451JA	7.1	5.5	23.3	8.1	4700	16	Φ16	Φ35	G1 "	78
XH9.2/452JA	11.7	9.2	35.0	12.1	10400	24	Φ22	Φ35	G1.5 "	122
XH11.0/452JA	14.1	11.0	46.6	16.1	9400	22	Φ22	Φ35	G1.5 "	132
XH13.7/453JA	17.6	13.7	52.4	18.1	15600	28	Φ28	Φ42	G1.5 "	158
XH16.5/453JA	21.2	16.5	69.9	24.2	14100	26	Φ28	Φ42	G1.5 "	186
XH18.3/454JA	23.5	18.3	69.9	24.2	20800	32	Φ28	Φ54	G1.5 "	206
XH22.1/454JA	28.3	22.1	93.2	32.2	18800	30	Φ28	Φ54	G1.5 "	228
550风机系列					550 Fan Series					
XH6.3/501JA	8.0	6.3	23.3	8.1	7800	22	Φ22	Φ28	G1.5 "	86
XH7.7/501JA	9.9	7.7	31.1	10.7	7400	20	Φ22	Φ28	G1.5 "	100
XH12.5/502JA	16.0	12.5	46.6	16.1	15600	26	Φ28	Φ42	G1.5 "	147
XH15.4/502JA	19.8	15.4	62.1	21.5	14800	24	Φ28	Φ42	G1.5 "	162
XH18.8/503JA	24.1	18.8	69.9	24.2	23400	30	Φ28	Φ54	G2 "	202
XH23.2/503JA	29.7	23.2	93.2	32.2	22200	28	Φ28	Φ54	G2 "	220
XH25.0/504JA	32.1	25.0	93.2	32.2	31200	34	Φ35	Φ54	G2 "	255
XH30.9/504JA	39.6	30.9	124.3	43.0	29600	32	Φ35	Φ54	G2 "	285
630风机系列					630 Fan Series					
XH10.8/631JA	13.8	10.8	39.9	13.8	13800	25	Φ28	Φ42	G1.5 "	92
XH13.4/631JA	17.2	13.4	53.3	18.4	13500	23	Φ28	Φ42	G1.5 "	98
XH21.6/632JA	27.7	21.6	79.9	27.6	27600	28	Φ28	Φ54	G2 "	162
XH26.9/632JA	34.5	26.9	106.5	36.8	27000	26	Φ28	Φ54	G2 "	189
XH32.4/633JA	41.5	32.4	119.8	41.4	41400	32	Φ35	Φ54	G2 "	260
XH40.3/633JA	51.7	40.3	159.8	55.3	40500	30	Φ35	Φ54	G2 "	295

备注：表中Tc为库温，△T为库温与蒸发温度之差。

Note: Tc in the table represents the storage temperature, and △T represents the difference between the storage temperature and the evaporation temperature.

ELECTRICAL PARAMETER TABLE

→ 电气参数表



型号 Model	风扇电机 Fan Motor				电热化霜 Electric Defrosting		
	电压(V) Voltage	功率(W) Power	电流(A) Electric Current	转速(r/min) Rotational Speed	盘管:KW Coil	水盆:KW Basin	总功率:KW Total Power
XH*/351**	380-3	195	0.46	1383	1.00	0.50	1.50
XH*/351**	380-3	195	0.46	1383	1.00	0.50	1.50
XH*/352**	380-3	390	0.92	1383	1.80	0.90	2.70
XH*/352**	380-3	390	0.92	1383	1.80	0.90	2.70
XH*/353**	380-3	585	1.38	1383	2.60	1.30	3.90
XH*/353**	380-3	585	1.38	1383	2.60	1.30	3.90
XH*/354**	380-3	780	1.84	1383	3.40	1.70	5.10
XH*/354**	380-3	780	1.84	1383	3.40	1.70	5.10
XH*/451**	380-3	442	1.02	1425	3.40	0.85	4.25
XH*/451**	380-3	442	1.02	1425	5.10	0.85	5.95
XH*/452**	380-3	884	2.04	1425	6.30	1.60	7.90
XH*/452**	380-3	884	2.04	1425	9.40	1.60	11.00
XH*/453**	380-3	1326	3.06	1425	9.20	2.30	11.50
XH*/453**	380-3	1326	3.06	1425	13.80	2.30	16.10
XH*/454**	380-3	1768	4.08	1425	12.00	3.00	15.00
XH*/454**	380-3	1768	4.08	1425	18.00	3.00	21.00
XH*/551**	380-3	916	1.73	1360	4.25	0.85	5.10
XH*/551**	380-3	916	1.73	1360	5.95	0.85	6.80
XH*/552**	380-3	1832	3.46	1360	7.85	1.60	9.45
XH*/552**	380-3	1832	3.46	1360	10.98	1.60	12.58
XH*/553**	380-3	2748	5.19	1360	11.45	2.30	13.75
XH*/553**	380-3	2748	5.19	1360	16.00	2.30	18.30
XH*/554**	380-3	3664	6.92	1360	15.00	3.00	18.00
XH*/554**	380-3	3664	6.92	1360	21.00	3.00	24.00
XH*/631**	380-3	1600	3.30	1400	6.00	1.20	7.20
XH*/631**	380-3	1600	3.30	1400	8.40	1.20	9.60
XH*/632**	380-3	3200	6.60	1400	11.40	2.30	13.70
XH*/632**	380-3	3200	6.60	1400	16.00	2.30	18.30
XH*/633**	380-3	4800	9.90	1400	16.80	3.38	20.18
XH*/633**	380-3	4800	9.90	1400	23.60	3.38	26.98

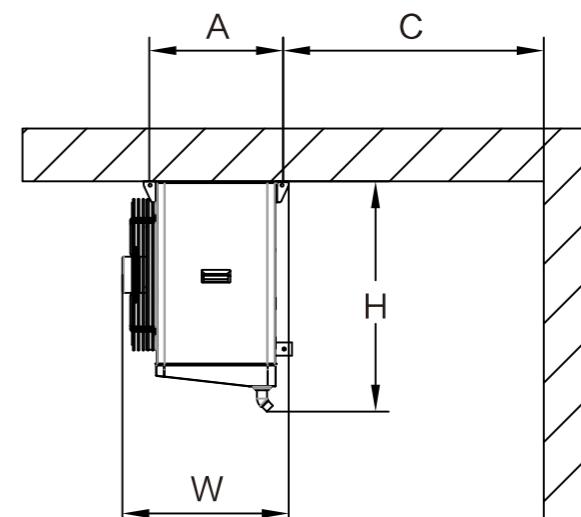
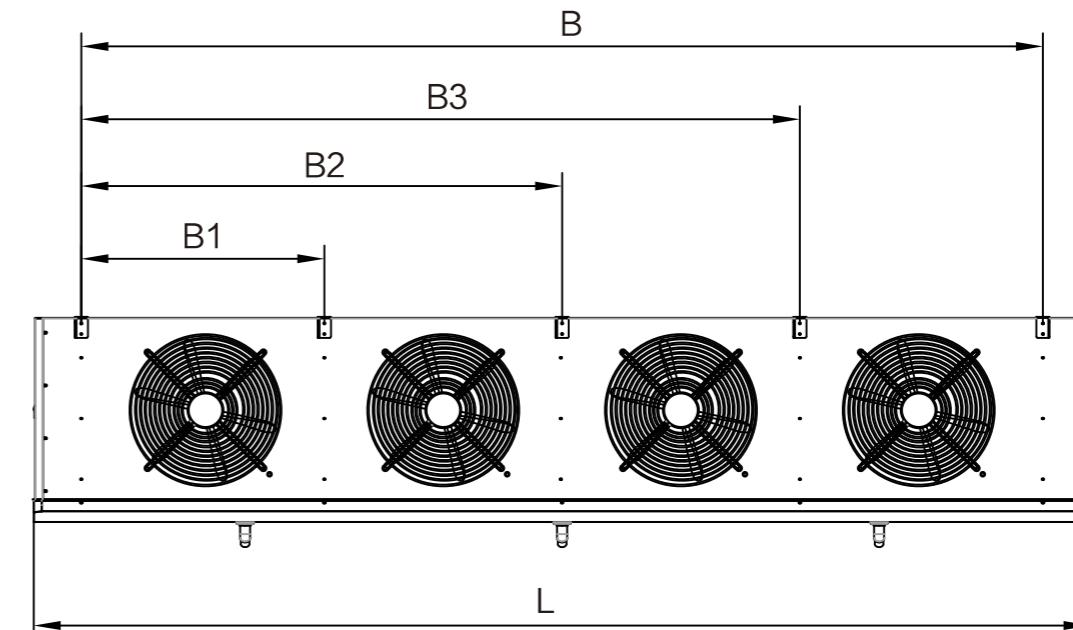
APPEARANCE AND INSTALLATION DIMENSIONS

→ 外形及安装尺寸

型号 Model	外形尺寸(mm) External Dimensions			安装尺寸(mm) Installation Size						
	L	W	H	A	B	B1	B2	B3	C	安装孔 Mounting Hole
XH*/351**	960	520	620	410	640	/	/	/	350	4-Φ13
XH*/352**	1560	520	620	410	1240	/	/	/	350	4-Φ13
XH*/353**	2160	520	620	410	1840	/	/	/	350	4-Φ13
XH*/354**	2760	520	620	410	2440	/	1220	/	350	6-Φ13
XH*/451**	1100	750	820	520	740	/	/	/	450	4-Φ13
XH*/452**	1800	750	820	520	1440	/	/	/	450	4-Φ13
XH*/453**	2500	750	820	520	2140	/	/	/	450	4-Φ13
XH*/454**	3200	750	820	520	2840	/	1420	/	450	6-Φ13
XH*/551**	1200	780	920	550	840	/	/	/	550	4-Φ13
XH*/552**	2000	780	920	550	1640	920	/	/	550	6-Φ13
XH*/553**	2800	780	920	550	2440	920	1820	/	550	8-Φ13
XH*/554**	3600	780	920	550	3240	920	1620	2720	550	10-Φ13
XH*/631**	1600	820	1020	590	1240	/	/	/	600	4-Φ13
XH*/632**	2800	820	1020	590	2440	1220	/	/	600	6-Φ13
XH*/633**	4000	820	1020	590	3640	1220	2420	/	600	8-Φ13

APPEARANCE AND INSTALLATION DIMENSIONS

→ 外形及安装尺寸



XE 冷风机
XE Air Cooler

大制冷量
High Cooling Capacity



安全除霜
Safe Defrosting



环保材质
Environment Protection



使用寿命长
Long Service Life

➤ 产品概述 PRODUCT OVERVIEW

XE系列冷风机采用下面进风，两侧面出风的结构，主要用于那些库体高度尺寸较小的冷库或不宜直接吹风的生产型冷库。

- ◆ 外壳：采用优质铝板，重量轻，防腐性能强；外水盘采用铰链式结构，操作方便快捷。
- ◆ 双层水盆设计：外水盆采用带角度的菱角型结构，排水顺畅，无死角；内水盆采用铝板的水槽型结构。
- ◆ 盘管：采用Φ 9.52mm内螺纹铜管、管间距36×31.18倒三角排列，具有传热面积大，传热温差小的特点。
- ◆ 亲水铝箔波纹式铝片，片距有4.5mm、6.0mm，满足不同的温湿度要求。
- ◆ 风机：大功率外转子风机，使用温度-20℃ ~ -40℃；风机规格Φ 300、Φ 350、Φ 400，提供用户选择。
- ◆ 除霜：标准采用电热除霜，不锈钢加热管均布于盘管翅片中机内水盘上，独立的加热管接线盒。
- ◆ 可根据客户的需求预装膨胀阀、风圈加热带等选配件。
- ◆ 可满足R404A、R507A、R448A、R449A、R134A、R22等制冷剂使用。

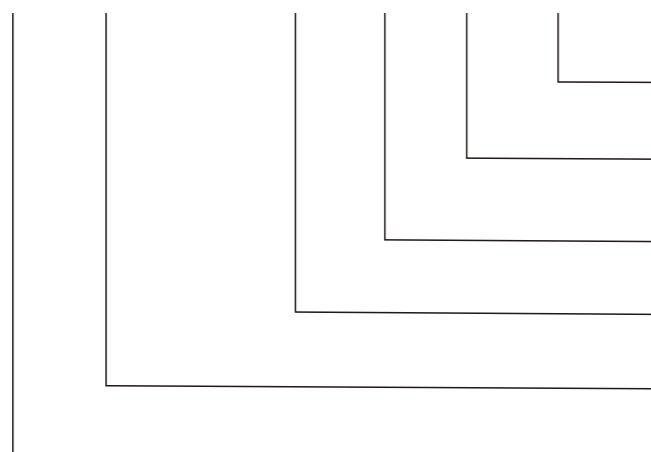
The XE series air cooler adopts a structure of bottom inlet and two side outlet, mainly used for cold storage with small height dimensions or production cold storage that is not suitable for direct blowing.

- ◆ Shell: Made of high-quality aluminum plate, lightweight and strong anti-corrosion performance; The external water tray adopts a hinged structure, which is easy and fast to operate.
- ◆ Double layer water basin design: The outer water basin adopts a water chestnut shaped structure with angles, ensuring smooth drainage and no dead corners; The internal water tray adopts a sink type structure made of aluminum plate.
- ◆ Coil: Made of internally threaded copper pipes with a diameter of 9.52mm and arranged in an inverted triangle with a spacing of 36 × 31.18, it has the characteristics of large heat transfer area and small heat transfer temperature difference.
- ◆ Hydrophilic aluminum foil corrugated aluminum sheet, with fin space of 4.5mm and 6.0mm, meets different temperature and humidity requirements.
- ◆ Fan: High power external rotor fan, operating temperature range of -20 °C to -40 °C; Fan specification: Φ 300、Φ 350、Φ 400, Provide user selection.
- ◆ Defrosting: The standard uses electric defrosting, with stainless steel heating tubes evenly distributed on the water tray inside the coil fins and independent heating tube junction boxes.
- ◆ Optional accessories such as expansion valves and fan coil heating belts can be pre installed according to customer needs.
- ◆ Can meet the needs of refrigerants such as R404A, R507A, R448A, R449A, R134A, R22, etc.



➤ 型号说明 MODEL DESCRIPTION

XE 2.2 / 35 2 L A



电压: A: 380V; B: 220V
Voltage: A: 380V; B: 220V

M: 4.5mm; L: 6.0mm;

电机数量
Number of motors

风机直径: mm
Fan diameter: mm

制冷量: KW
Cooling capacity: KW

产品系列
Product series



PERFORMANCE PARAMETER TABLE

→ 双出风冷风机性能参数表

● 片距 Fin Space 4.5mm

型号 Model	制冷量/R404A(KW) Refrigeration Capacity		面积 Area	管容积 Tube Volume	风量 Air Volume	射程 Range	接口规格 (mm) Interface Specifications			重量 Weight
	Tc=0°C △T=8K	Tc=-18°C △T=7K					m ²	dm ³	m ³ /h	
300风机系列 300 Fan Series										
XE1.8/301MB	1.8	1.4	8.0	1.1	1300	2×8	Φ12.7	Φ19	2×G1"	21
XE2.1/301MB	2.1	1.6	10.7	1.5	1200	2×7	Φ12.7	Φ19	2×G1"	23
XE3.6/302MB	3.6	2.8	16.1	2.2	4200	2×9	Φ12.7	Φ22	2×G1"	34
XE4.1/302MB	4.1	3.2	21.4	2.9	4000	2×8	Φ12.7	Φ22	2×G1"	37
XE5.4/303MB	5.4	4.2	24.1	3.3	6300	2×10	Φ16	Φ28	2×G1"	48
XE6.2/303MB	6.2	4.8	32.1	4.4	6000	2×9	Φ16	Φ28	2×G1"	53
XE7.3/304MB	7.3	5.7	32.1	4.4	8400	2×11	Φ16	Φ28	2×G1"	62
XE8.3/304MB	8.3	6.5	42.8	5.8	8000	2×10	Φ16	Φ28	2×G1"	69
350风机系列 350 Fan Series										
XE3.1/351MB	3.1	2.4	13.9	1.9	2160	2×10	Φ12.7	Φ19	2×G1"	28
XE3.8/351MB	3.8	3.0	20.8	2.8	2000	2×9	Φ12.7	Φ19	2×G1"	33
XE6.2/352MB	6.2	4.9	27.8	3.8	4320	2×11	Φ12.7	Φ22	2×G1"	48
XE7.6/352MB	7.6	6.0	41.6	5.6	4000	2×10	Φ12.7	Φ22	2×G1"	57
XE9.1/353MB	9.1	7.1	41.6	5.6	6480	2×12	Φ16	Φ28	2×G1"	69
XE11.6/353MB	11.6	9.0	62.5	8.5	6000	2×11	Φ16	Φ28	2×G1"	81
XE12.3/354MB	12.3	10.0	55.5	7.5	8640	2×13	Φ16	Φ28	2×G15"	90
XE15.0/354MB	15.0	11.7	83.3	11.3	8000	2×12	Φ16	Φ28	2×G15"	107
400风机系列 400 Fan Series										
XE3.9/401MA	3.9	3.0	17.5	2.4	2800	2×12	Φ12.7	Φ22	2×G1"	36
XE4.4/401MA	4.4	3.5	21.8	3.0	2650	2×11	Φ12.7	Φ22	2×G1"	39
XE4.8/401MA	4.8	3.8	26.2	3.5	2500	2×10	Φ12.7	Φ22	2×G1"	42
XE7.7/402MA	7.7	6.0	34.9	4.7	5600	2×13	Φ16	Φ28	2×G1"	61
XE8.7/402MA	8.7	6.8	43.6	5.9	6400	2×12	Φ16	Φ28	2×G1"	65
XE9.7/402MA	9.7	7.6	52.4	7.1	5000	2×11	Φ16	Φ28	2×G1"	71
XE11.6/403MA	11.6	9.0	52.4	7.1	8400	2×14	Φ22	Φ35	2×G1"	85
XE13.2/403MA	13.2	10.0	65.4	8.9	9600	2×13	Φ22	Φ35	2×G1"	95
XE14.2/403MA	14.2	11.1	78.5	10.6	7500	2×12	Φ22	Φ35	2×G1"	103
XE15.5/404MA	15.5	12.1	69.8	9.5	11200	2×15	Φ22	Φ35	2×G1"	112
XE17.6/404MA	17.6	13.7	87.3	11.8	12800	2×14	Φ22	Φ35	2×G1"	123
XE19.0/404MA	19.0	14.8	104.7	14.2	10000	2×13	Φ22	Φ35	2×G1"	134

备注：表中TC为库温，△T为库温与蒸发温度之差。

Note: Tc in the table represents the storage temperature, and △T represents the difference between the storage temperature and the evaporation temperature.



● 片距 Fin Space 6.0mm

型号 Model	制冷量/R404A(KW) Refrigeration Capacity		面积 Area	管容积 Tube Volume	风量 Air Volume	射程 Range	接口规格 (mm) Interface Specifications			重量 Weight
	Tc=0°C △T=8K	Tc=-18°C △T=7K					m ²	dm ³	m ³ /h	
300风机系列 300 Fan Series										
XE1.3/301LB	1.7	1.3	6.1	1.1	1400	2×9	Φ12.7	Φ19	2×G1"	20
XE1.5/301LB	2.0	1.5	8.2	1.5	1300	2×8	Φ12.7	Φ19	2×G1"	21
XE2.6/302LB	3.3	2.6	12.3	2.2	2800	2×10	Φ12.7	Φ22	2×G1"	32
XE3.1/302LB	3.9	3.1	16.4	2.9	2600	2×9	Φ12.7	Φ22	2×G1"	35
XE3.9/303LB	4.9	3.9	18.4	3.3	4200	2×11	Φ16	Φ28	2×G1"	45
XE4.6/303LB	5.9	4.6	24.6	4.4	3900	2×10	Φ16	Φ28	2×G1"	49
XE5.1/304LB	6.6	5.1	24.6	4.4	5600	2×12	Φ16	Φ28	2×G1"	58
XE6.1/304LB	7.8	6.1	32.8	5.8	5200	2×11	Φ16	Φ28	2×G1"	64
350风机系列 350 Fan Series										
XE2.2/351LB	2.8	2.2	10.6	1.9	2300	2×11	Φ12.7	Φ19	2×G1"	27
XE2.8/351LB	3.6	2.8	15.9	2.8	2160	2×10	Φ12.7	Φ19	2×G1"	30
XE4.4/352LB	5.6	4.4	21.2	3.8	4600	2×12	Φ12.7	Φ22	2×G1"	45
XE5.6/352LB	7.2	5.6	31.9	5.6	4320	2×11	Φ12.7	Φ22	2×G1"	52
XE6.6/353LB	8.5	6.6	31.9	5.6	6900	2×13	Φ16	Φ28	2×G1"	64
XE8.5/353LB	10.8	8.5	47.8	8.5	6480	2×12	Φ16	Φ28	2×G1"	75
XE8.8/354LB	11.3	8.8	42.5	7.5	9200	2×14	Φ16	Φ28	2×G1"	83
XE11.3/354LB	14.5	11.3	63.7	11.3	8640	2×13	Φ16	Φ28	2×G1"	98
400风机系列 400 Fan Series										
XE2.8/401LA	3.6	2.8	13.4	2.4	3000	2×13	Φ12.7	Φ22	2×G1"	33
XE3.2/401LA	4.1	3.2	16.7	3.0	2850	2×12	Φ12.7	Φ22	2×G1"	36
XE3.5/401LA	4.5	3.5	20.0	3.5	2700	2×11	Φ12.7	Φ22	2×G1"	39
XE5.6/402LA	7.1	5.6	26.7	4.7	6000	2×14	Φ16	Φ28	2×G1"	57
XE6.4/402LA	8.2	6.4	33.4	5.9</td						

ELECTRICAL PARAMETER TABLE

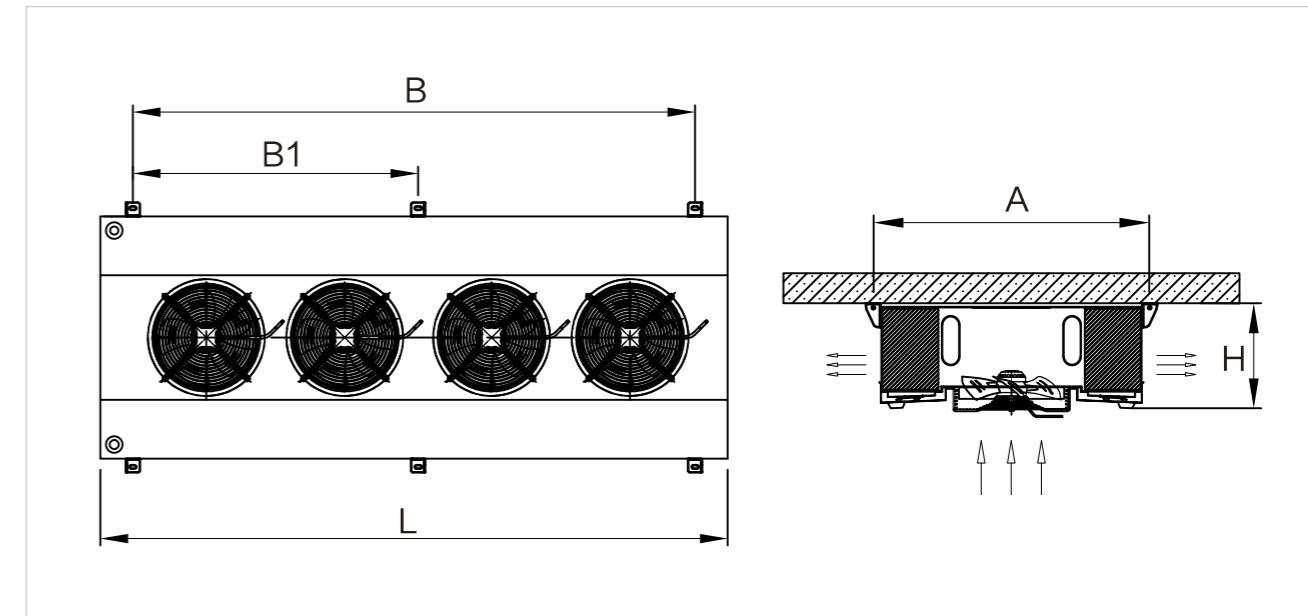
→ 电气参数表

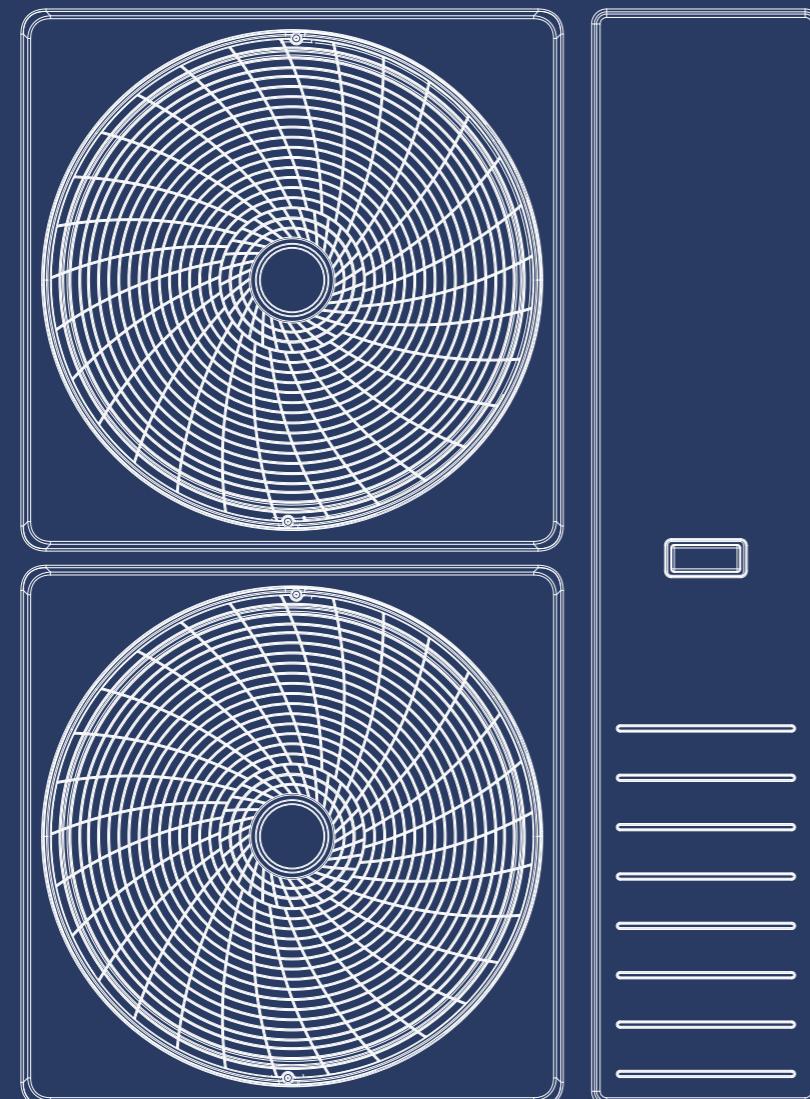
型号 Model	风扇电机 Fan Motor				电热化霜 Electric Defrosting		
	电压(V) Voltage	功率(W) Power	电流(A) Electric Current	转速(r/min) Rotational Speed	盘管:KW Coil	水盆:KW Basin	总功率:KW Total Power
XE*/301**	220-1	88	0.37	1355	1.06	0.36	1.43
XE*/301**	220-1	88	0.37	1355	1.06	0.36	1.43
XE*/302**	220-1	176	0.74	1355	1.78	0.90	2.68
XE*/302**	220-1	176	0.74	1355	1.78	0.90	2.68
XE*/303**	220-1	264	1.11	1355	2.49	1.61	4.10
XE*/303**	220-1	264	1.11	1355	2.49	1.61	4.10
XE*/304**	220-1	352	1.48	1355	3.20	2.50	5.70
XE*/304**	220-1	352	1.48	1355	3.20	2.50	5.70
XE*/351**	220-1	165	0.75	1420	1.14	0.93	2.08
XE*/351**	220-1	165	0.75	1420	2.29	0.93	3.22
XE*/352**	220-1	330	1.50	1420	3.87	2.56	6.43
XE*/352**	220-1	330	1.50	1420	3.87	2.56	6.43
XE*/353**	220-1	495	2.25	1420	2.73	4.88	7.61
XE*/353**	220-1	495	2.25	1420	5.46	4.88	10.33
XE*/354**	220-1	660	3.00	1420	7.04	7.89	14.93
XE*/354**	220-1	660	3.00	1420	7.04	7.89	14.93
XE*/401**	380-3	196	0.46	1379	1.22	0.59	1.82
XE*/401**	380-3	196	0.46	1379	2.45	0.59	3.04
XE*/401**	380-3	196	0.46	1379	2.45	0.59	3.04
XE*/402**	380-3	392	0.92	1379	2.09	1.68	3.77
XE*/402**	380-3	392	0.92	1379	4.19	1.68	5.87
XE*/402**	380-3	392	0.92	1379	4.19	1.68	5.87
XE*/403**	380-3	588	1.38	1379	2.97	3.25	6.22
XE*/403**	380-3	588	1.38	1379	5.93	3.25	9.18
XE*/403**	380-3	588	1.38	1379	5.93	3.25	9.18
XE*/404**	380-3	784	1.84	1379	3.84	5.32	9.15
XE*/404**	380-3	784	1.84	1379	7.67	5.32	12.99
XE*/404**	380-3	784	1.84	1379	7.67	5.32	12.99

APPEARANCE AND INSTALLATION DIMENSIONS

→ 外形及安装尺寸

型号 Model	外形尺寸(mm) External Dimensions			安装尺寸(mm) Installation Size			
	L	W	H	A	B	B1	安装孔 Mounting Hole
XE*/301**	720	800	315	760	480	/	4-Φ 13
XE*/302**	1170	800	315	760	930	/	4-Φ 13
XE*/303**	1620	800	315	760	1380	/	4-Φ 13
XE*/304**	2070	800	315	760	1830	930	6-Φ 13
XE*/351**	770	974	351	934	530	/	4-Φ 13
XE*/352**	1270	974	351	934	1030	/	6-Φ 13
XE*/353**	1700	974	351	934	1530	/	4-Φ 13
XE*/354**	2270	974	351	934	2030	1030	6-Φ 13
XE*/401**	820	1024	387	984	580	/	4-Φ 13
XE*/402**	1370	1024	387	984	1130	/	4-Φ 13
XE*/403**	1920	1024	387	984	1680	/	4-Φ 13
XE*/404**	2470	1024	387	984	2230	1187	6-Φ 13





CONDENSER SERIES 冷凝器系列

BX系列侧出风箱式冷凝器

BT系列顶出风箱式冷凝器

FV系列V型风冷冷凝器

XC系列立式侧装型冷凝器

....

BX 风冷冷凝器

BX Air-Cooled Condenser



快速制冷
Fast Refrigeration



安全除霜
Safe Defrosting



吸音降噪
Low Vibration



节约能量
Save Energy

产品概述 PRODUCT OVERVIEW

BX系列冷凝器采用L型结构设计，两侧面进风，前面出风，具有更大的迎风面，风阻小、换热效果好。

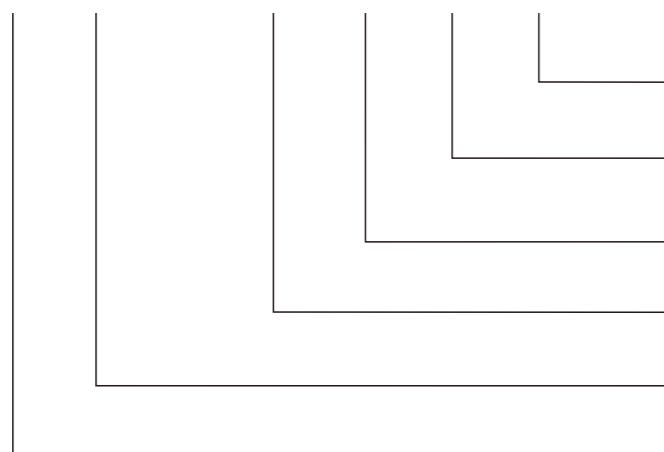
- ◆ 采用箱型结构，风圈采用平网罩设计，具有导风效果好，外形美观。
- ◆ 换热管：采用管径Φ7高效内螺纹铜管，管间距21×18.19的三角形排列，换热效率高。
- ◆ 亲水铝箔波纹式铝片；片距2.1mm。
- ◆ 风机规格采用Φ400、Φ450、Φ550及Φ630外转子风机；产品试验压力：30bar。
- ◆ 可满足R404A、R507A、R448A、R449A、R134A、R22等制冷剂使用。

The BX series condenser adopts an L-shaped structure design, with air inlet on both sides and air outlet at the front, with a larger windward side, low wind resistance, and good heat transfer effect.

- ◆ Adopting a box shaped structure, the wind ring adopts a flat mesh cover design, which has good air guiding effect and beautiful appearance.
- ◆ Heat exchange tubes: High efficiency internally threaded copper tubes with a diameter of Φ 7 are used, arranged in a triangular pattern with a tube spacing of 21 × 18.19, resulting in high heat exchange efficiency.
- ◆ Hydrophilic aluminum foil corrugated aluminum sheet; The fin space is 2.1mm.
- ◆ The fan specifications adopt external rotor fans with diameters of 400, 450, 550, and 630; Product test pressure: 30bar.
- ◆ Can meet the needs of refrigerants such as R404A, R507A, R448A, R449A, R134A, R22, etc.

型号说明 MODEL DESCRIPTION

BX 18 / 40 1 A S



电机极数: F: 4极, S: 6极;
Number of motor poles: F:4-pole, S:6-pole;

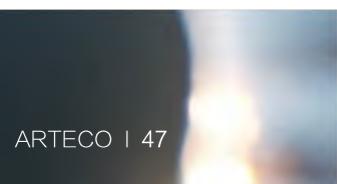
电压: A: 380V, B: 220V;
Voltage: A: 380V, B: 220V;

电机数量
Number of motors

风机直径: mm
Fan diameter: mm

换热面积: m²
Heat exchange area: m²

产品系列
Product series



PERFORMANCE PARAMETER TABLE

→ 侧出风箱式冷凝器性能参数表

机组型号 Model	换热量(KW) Heat Exchange	面积 Area	管容积 Tube Volume	风 机 Fan			噪音 Noise	冷 凝 Condensation		过 冷 Supercooling		重量 Weight
				风量(m³/h) Air Volume	功率(W) Power	电流(A) Electric Current		进口 Import	出口 Export	进口 Import	出口 Export	
BX18/401BS	5.7	17.5	1.7	2100	108	0.52	59	Φ12.7	Φ12.7	Φ12.7	Φ12.7	41
BX23/451BS	7.8	23.4	2.2	3000	150	0.75	61	Φ12.7	Φ16	Φ12.7	Φ12.7	47
BX18/401AS	5.7	17.5	1.7	2100	108	0.35	59	Φ12.7	Φ12.7	Φ12.7	Φ12.7	41
BX23/451AS	7.8	23.4	2.2	3000	150	0.4	61	Φ12.7	Φ16	Φ12.7	Φ12.7	47
BX33/551AS	12.3	33.4	3.2	6000	330	0.9	68	Φ16	Φ19	Φ16	Φ16	61
BX52/631AS	18.3	51.6	4.9	9000	550	1.45	71	Φ16	Φ22	Φ16	Φ16	80
BX69/552AS	24.5	68.9	6.6	12000	660	1.8	69	Φ22	Φ28	Φ22	Φ19	104
BX69/632AS	26.5	68.8	6.6	18500	1100	2.9	72	Φ22	Φ28	Φ22	Φ19	124
BX103/632AS	36.6	103.2	9.9	18000	1100	2.9	72	Φ22	Φ35	Φ22	Φ22	138
BU118/632AS	52.8	118.3	15.7	18000	1100	2.9	72	Φ28	Φ42			321
BU118/632AF	56.8	118.3	15.7	22000	1600	3.2	76	Φ28	Φ42			321

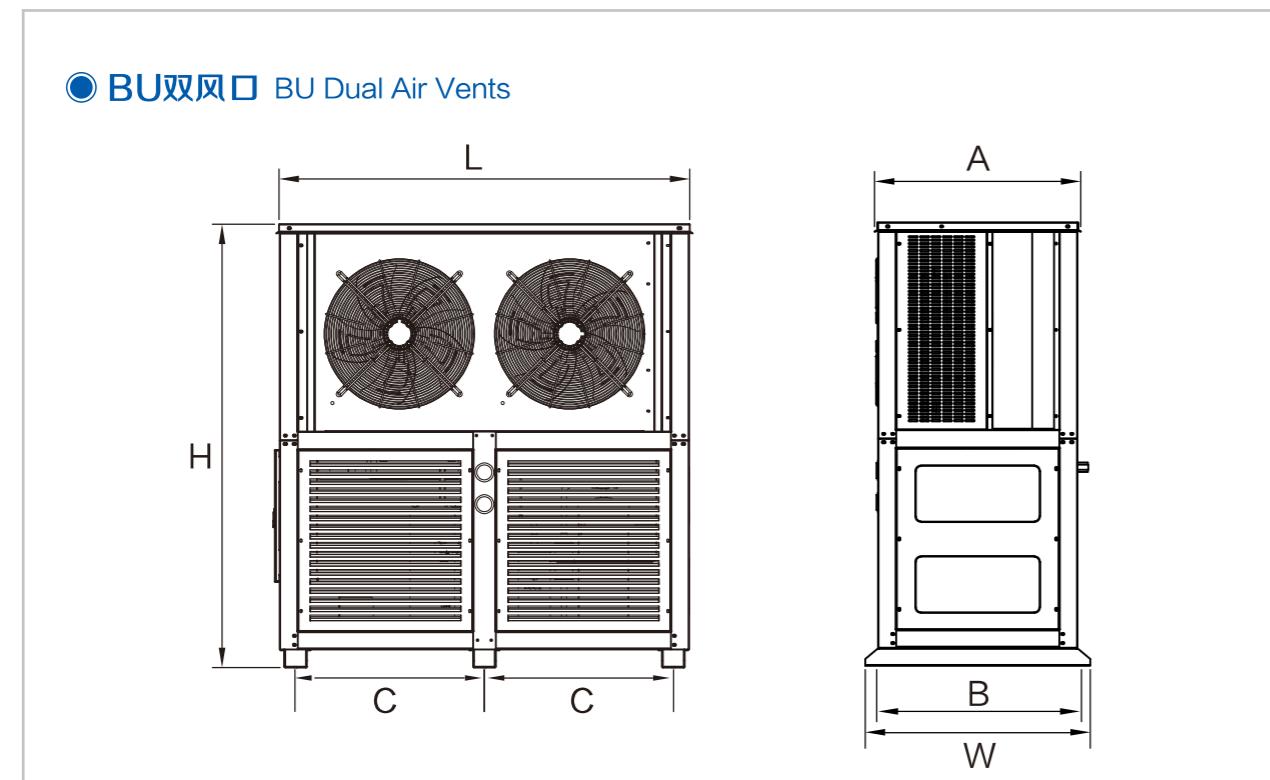
备注: (1)换热量标准: 进风温度35℃、冷凝温度50℃、传热温差15K、制冷剂R507。其他工况的换热量参见冷凝器选型说明。

(2)噪音标定为1m举例的声压值。

Note: (1) Heat exchange standard: inlet air temperature of 35 °C, condensation temperature of 50 °C, heat transfer temperature difference of 15K, refrigerant R507.

For heat exchange under other operating conditions, please refer to the condenser selection instructions.

(2) The noise calibration is based on the sound pressure value of 1m as an example.

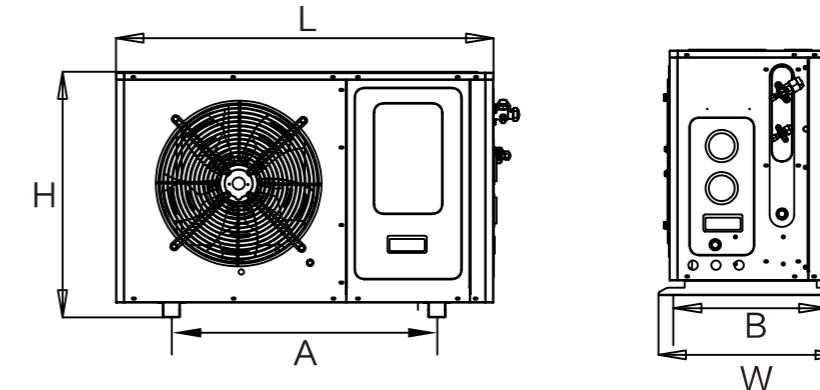


APPEARANCE AND INSTALLATION DIMENSIONS

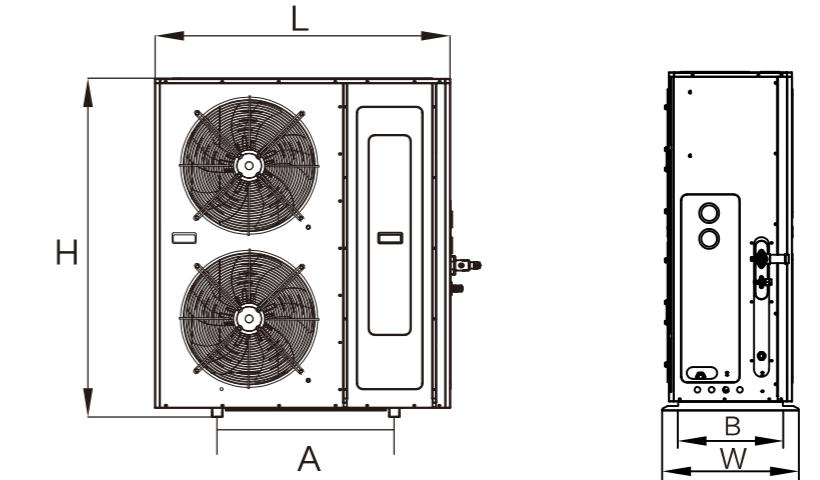
→ 外形及安装尺寸

机组型号 Model	外形尺寸(mm) External Dimensions			安装尺寸(mm) Installation Size			
	L	W	H	A	B	C	安装孔 Mounting Hole
BX*/401**	983	480	640	692	450	/	4-Φ9
BX*/451**	1033	480	724	642	450	/	4-Φ9
BX*/551**	1253	520	724	752	490	/	4-Φ9
BX*/552**	1253	580	1436	752	550	/	6-Φ9
BX*/631**	1383	610	848	812	580	/	4-Φ9
BX*/632**	1382	640	1646	912	610	/	4-Φ9
BU*/632**	1809	991	1954	884	911	832 832	6-Φ11

● BX单风口 BX Single Air Vent



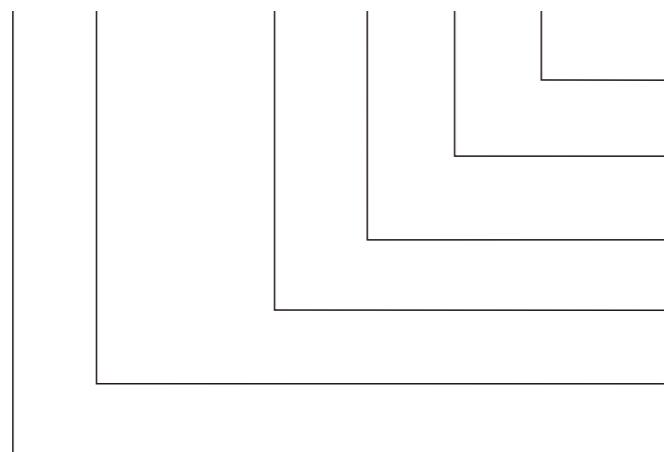
● BX双风口 BX Dual Air Vents





→ 型号说明 MODEL DESCRIPTION

BT 59 / 45 2 A F



电机极数: F: 4极, S: 6极;
Number of motor poles: F:4-pole, S:6-pole;

电压: A: 380V, B: 220V;
Voltage: A: 380V, B: 220V;

电机数量
Number of motors

风机直径: mm
Fan diameter: mm

换热面积: m²
Heat exchange area: m²

产品系列
Product series

→ 产品概述 PRODUCT OVERVIEW

BT系列冷凝器采用U型结构设计，三侧面进风，上面出风，具有更大的迎风面，风阻小、换热效果好。

- ◆ 采用箱型结构，风圈采用整体拉伸的大圆角的高风圈设计，具有导风效果好，外形美观。
- ◆ 换热管：采用管径Φ9.52高效内螺纹铜管，管间距25×21.65的三角形排列，换热效率高。
- ◆ 亲水铝箔波纹式铝片；片距1.8mm。
- ◆ 风机规格采用Φ450、Φ500及Φ630外转子风机；产品试验压力：30bar。
- ◆ 可满足R404A、R507A、R448A、R449A、R134A、R22等制冷剂使用。

The BT series condenser adopts a U-shaped structure design, with three sides for air inlet and the top for air outlet, with a larger windward side, low wind resistance, and good heat transfer effect.

- ◆ Adopting a box shaped structure, the wind ring adopts a high wind ring design with large rounded corners that are stretched as a whole, which has good air guiding effect and beautiful appearance.
- ◆ Heat exchange tubes: High efficiency internally threaded copper tubes with a diameter of 9.52 are used, arranged in a triangular pattern with a tube spacing of 25 × 21.65, resulting in high heat exchange efficiency.
- ◆ Hydrophilic aluminum foil corrugated aluminum sheet; The fin space is 1.8mm.
- ◆ The fan specifications adopt external rotor fans with diameters of 450, 500, and 630; Product test pressure: 30bar.
- ◆ Can meet the needs of refrigerants such as R404A, R507A, R448A, R449A, R134A, R22, etc.



PERFORMANCE PARAMETER TABLE

→ 顶出风箱式冷凝器性能参数表

机组型号 Model	换热量(KW) Heat Exchange	面积 Area	管容积 Tube Volume	风 机 Fan			噪 音 Noise	接管规格 Take Over Specifications		重 量 Weight
				ΔT=15K	m ²	dm ³		dB(A)	进气 Intake	
BT32/451AF	14.0	32.5	3.7	4500	290	0.6	68	Φ19	Φ16	88
BT43/451AF	16.3	43.0	4.9	4500	290	0.6	68	Φ19	Φ16	92
BT59/452AF	26.5	59.4	6.8	9000	580	1.2	69	Φ28	Φ19	135
BT76/452AF	30.5	75.8	8.7	9000	580	1.2	69	Φ28	Φ19	140
BT55/501AF	22.9	55.2	6.3	7000	548	1.1	72	Φ28	Φ19	123
BT70/501AF	26.0	70.4	8.1	7000	548	1.1	72	Φ28	Φ19	131
BT103/502AF	44.0	102.6	11.8	14000	1096	2.2	73	Φ28	Φ22	180
BT133/502AF	50.7	133.6	15.4	14000	1096	2.2	73	Φ28	Φ22	190
BT164/632AF	68.4	164.3	18.9	21000	1874	3.5	78	Φ35	Φ28	239
BT193/632AF	74.5	193.4	22.2	21000	1874	3.5	78	Φ35	Φ28	248
BT196/633AF	89.4	196.0	22.6	30500	2811	5.2	79	Φ35	Φ28	321
BT232/633AF	99.1	232.0	26.7	30500	2811	5.2	79	Φ35	Φ28	333

备注: (1)换热量标准: 进风温度35℃、冷凝温度50℃、传热温差15K、制冷剂R507。其他工况的换热量参见冷凝器选型说明。

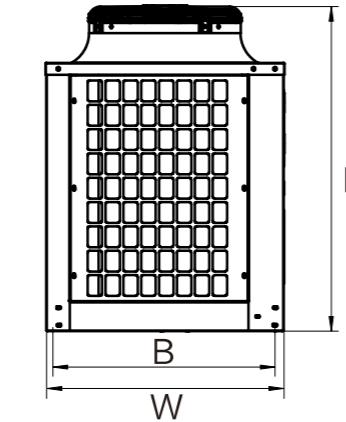
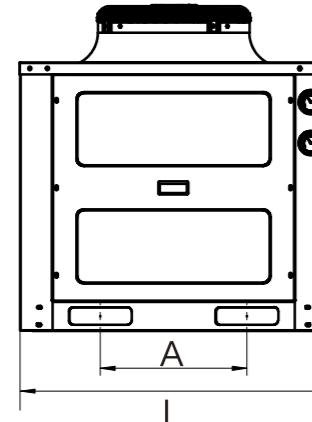
(2)噪音标定为1m举例的声压值。

Note: (1) Heat exchange standard: inlet air temperature of 35 °C, condensation temperature of 50 °C, heat transfer temperature difference of 15K, refrigerant R507.

For heat exchange under other operating conditions, please refer to the condenser selection instructions.

(2) The noise calibration is based on the sound pressure value of 1m as an example.

● 单风口 Single Air Vent

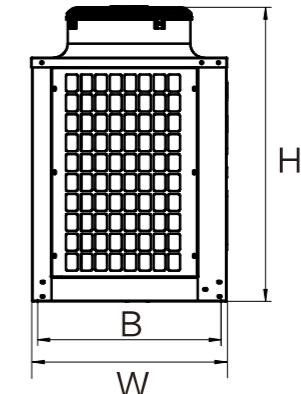
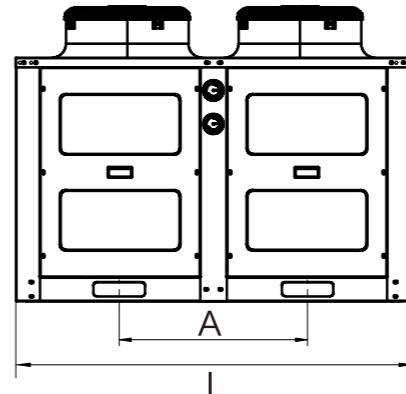


APPEARANCE AND INSTALLATION DIMENSIONS

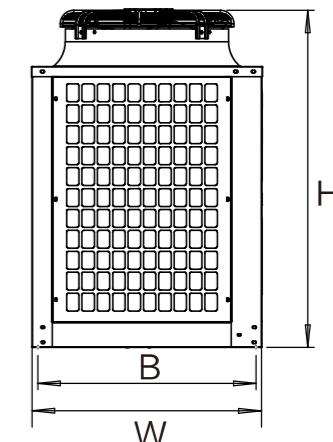
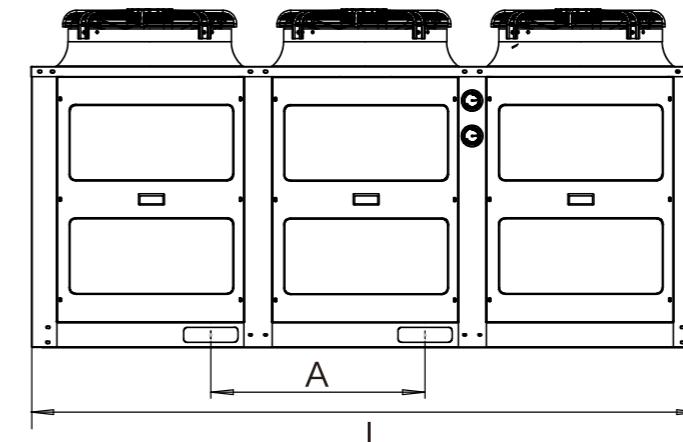
→ 外形及安装尺寸

型 号 Model	外 形 尺 寸 (mm) External Dimensions			安 装 尺 寸 (mm) Installation Size		
	L	W	H	A	B	安 装 孔 Mounting Hole
BT*/451AF	880	715	870	380	665	Φ13
BT*/452AF	1420	715	1070	700	665	Φ13
BT*/501AF	1050	815	1102	500	765	Φ13
BT*/502AF	1650	815	1202	800	765	Φ13
BT*/632AF	1850	915	1329	900	865	Φ13
BT*/633AF	2500	915	1329	900	865	Φ13

● 双风口 Dual Air Vents



● 三风口 Three Air Vents





FV 风冷冷凝器

FV Air-Cooled Condenser



快速制冷
Fast Refrigeration



防火阻燃
Fireproof



环保材质
Environment Protection



不易变形
Not Easily Deformed

产品概述 PRODUCT OVERVIEW

FV系列冷凝器采用V型结构设计，两侧面进风，上面出风，具有更大的迎风面，风阻小、换热效果好。

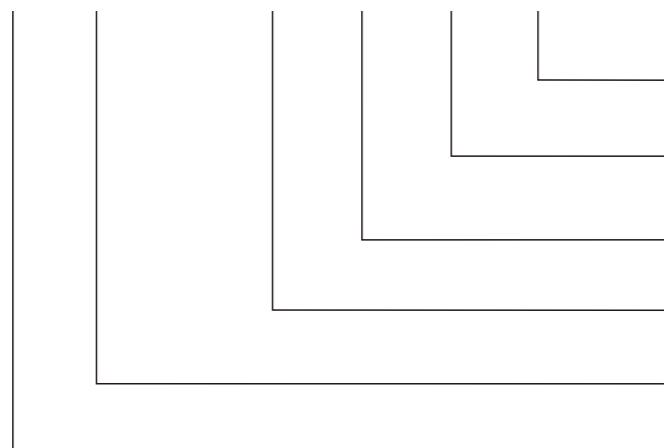
- ◆ 采用箱型结构，风圈采用整体拉伸的大圆角的高风圈设计，具有导风效果好，外形美观。
- ◆ 换热管：采用管径Φ9.52高效内螺纹铜管，管间距25×21.65的三角形排列，换热效率高。
- ◆ 亲水铝箔波纹式铝片；片距2.1mm。
- ◆ 风机规格采用Φ500及Φ630外转子风机；产品试验压力：30bar。
- ◆ 可满足R404A、R507A、R448A、R449A、R134A、R22等制冷剂使用。

The FV series condenser adopts a V-shaped structure design, with air inlet on both sides and air outlet on the top. It has a larger windward side, low wind resistance, and good heat transfer effect.

- ◆ Adopting a box shaped structure, the wind ring adopts a high wind ring design with large rounded corners that are stretched as a whole, which has good air guiding effect and beautiful appearance.
- ◆ Heat exchange tubes: High efficiency internally threaded copper tubes with a diameter of 9.52 are used, arranged in a triangular pattern with a tube spacing of 25 × 21.65, resulting in high heat exchange efficiency.
- ◆ Hydrophilic aluminum foil corrugated aluminum sheet; The fin space is 2.1mm.
- ◆ The fan specifications adopt external rotor fans with diameters of 500 and 630; Product test pressure: 30bar.
- ◆ Can meet the needs of refrigerants such as R404A, R507A, R448A, R449A, R134A, R22, etc.

型号说明 MODEL DESCRIPTION

FV 98 / 50 2 A F



电机极数: F: 4极, S: 6极;
Number of motor poles: F:4-pole, S:6-pole;

电压: A: 380V, B: 220V;
Voltage: A: 380V, B: 220V;

电机数量
Number of motors

风机直径: mm
Fan diameter: mm

换热面积: m²
Heat exchange area: m²

产品系列
Product series



PERFORMANCE PARAMETER TABLE

→ V型风冷冷凝器性能参数表

机组型号 Model	换热量(KW) Heat Exchange	面积 Area	管容积 Tube Volume	风 机 Fan			噪音 Noise	接管规格 Take Over Specifications		重量 Weight
				ΔT=15K	m ²	dm ³		dB(A)	进气 Intake	
FV98/502AF	42.5	97.5	13.0	14000	1100	2.2	72	2XΦ28	2XΦ22	121
FV122/502AF	48.3	121.9	16.3	13800	1100	2.2	72	2XΦ28	2XΦ22	129
FV146/502AF	52.6	146.3	19.5	13600	1100	2.2	72	2XΦ28	2XΦ22	137
FV146/503AF	63.7	146.3	19.5	21000	1650	3.3	72	2XΦ28	2XΦ22	167
FV183/503AF	72.4	182.8	24.4	20700	1650	3.3	72	2XΦ28	2XΦ22	180
FV219/503AF	78.9	219.4	29.3	20400	1650	3.3	72	2XΦ28	2XΦ22	192
FV195/504AF	85.0	195.0	26.0	28000	2200	4.4	73	2XΦ35	2XΦ22	215
FV244/504AF	96.5	243.8	32.6	27600	2200	4.4	73	2XΦ35	2XΦ22	231
FV293/504AF	105.2	292.5	39.1	27200	2200	4.4	73	2XΦ35	2XΦ22	248
FV244/505AF	106.2	243.8	32.6	35000	2750	5.5	73	2XΦ35	2XΦ22	262
FV305/505AF	120.6	304.7	40.7	34500	2750	5.5	73	2XΦ35	2XΦ22	282
FV366/505AF	131.4	365.7	48.8	34000	2750	5.5	73	2XΦ35	2XΦ22	303
FV146/632AF	63.7	146.3	19.5	20000	1874	3.5	78	2XΦ28	2XΦ22	178
FV183/632AF	72.4	182.8	24.4	19800	1874	3.5	78	2XΦ28	2XΦ22	191
FV219/632AF	78.9	219.4	29.3	19600	1874	3.5	78	2XΦ28	2XΦ22	203
FV219/633AF	95.6	219.4	29.3	30000	2811	5.3	78	2XΦ35	2XΦ22	246
FV274/633AF	108.6	274.2	36.6	29700	2811	5.3	78	2XΦ35	2XΦ22	265
FV329/633AF	118.3	329.1	43.9	29400	2811	5.3	78	2XΦ35	2XΦ22	283
FV293/634AF	127.5	292.5	39.1	40000	3748	7.0	79	2XΦ42	2XΦ28	315
FV366/634AF	144.8	365.7	48.8	39600	3748	7.0	79	2XΦ42	2XΦ28	340
FV439/634AF	157.7	438.8	58.6	39200	3748	7.0	79	2XΦ42	2XΦ28	364
FV366/635AF	159.3	365.7	48.8	50000	4685	8.8	79	2XΦ50	2XΦ35	383
FV457/635AF	181.0	457.1	61.0	49500	4685	8.8	79	2XΦ50	2XΦ35	414
FV548/635AF	197.2	548.5	73.2	49000	4685	8.8	79	2XΦ50	2XΦ35	445

备注: (1)换热量标准: 进风温度35℃、冷凝温度50℃、传热温差15K、制冷剂R507。其他工况的换热量参见冷凝器选型说明。

(2)噪音标定为1m举例的声压值。

Note: (1) Heat exchange standard: inlet air temperature of 35 °C, condensation temperature of 50 °C, heat transfer temperature difference of 15K, refrigerant R507.

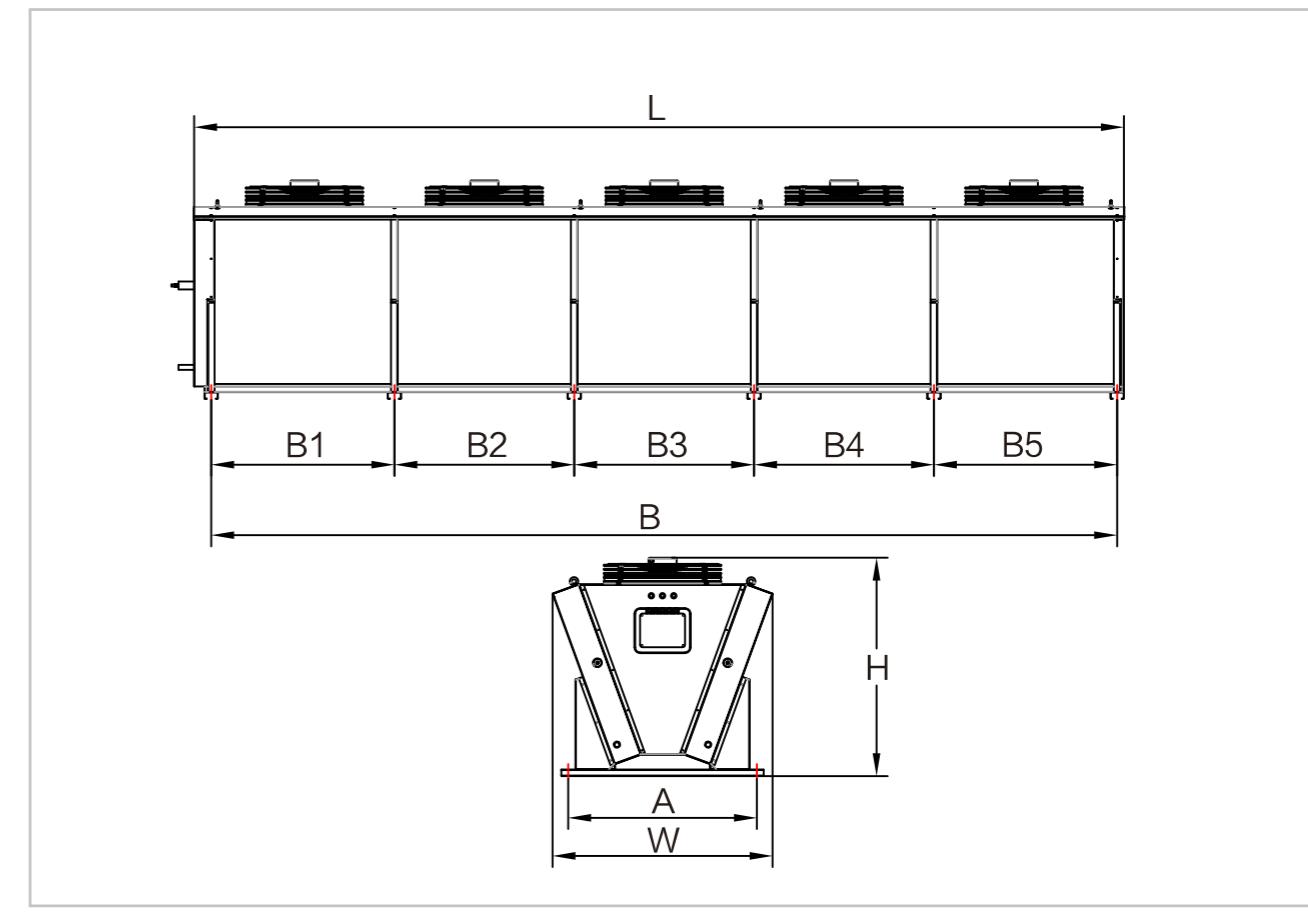
For heat exchange under other operating conditions, please refer to the condenser selection instructions.

(2) The noise calibration is based on the sound pressure value of 1m as an example.

APPEARANCE AND INSTALLATION DIMENSIONS

→ 外形及安装尺寸

型 号 Model	外形尺寸(mm) External Dimensions			安装尺寸(mm) Installation Size							安装孔 Mounting Hole
	L	W	H	A	B	B1	B2	B3	B4	B5	
FV*/502**	1740	980	945	860	1630	815	815	/	/	/	6-Φ13
FV*/503**	2540	980	945	860	2430	815	800	815	/	/	8-Φ13
FV*/504**	3340	980	945	860	3230	815	800	800	815	/	10-Φ13
FV*/505**	4140	980	945	860	4030	815	800	800	800	815	12-Φ13
FV*/632**	1740	1250	1330	1160	1630	815	815	/	/	/	6-Φ13
FV*/633**	2540	1250	1330	1160	2430	815	800	815	/	/	8-Φ13
FV*/634**	3340	1250	1330	1160	3230	815	800	800	815	/	10-Φ13
FV*/635**	4140	1250	1330	1160	4030	815	800	800	800	815	12-Φ13



XC 风冷冷凝器

XC Air-Cooled Condenser



节约能量
Save Energy



结构紧凑
Compact



安装便捷
Easy Installation



维修方便
Easy Maintenance

产品概述 PRODUCT OVERVIEW

XC系列冷凝器采用立式侧装型结构，后面进风，前面出风。

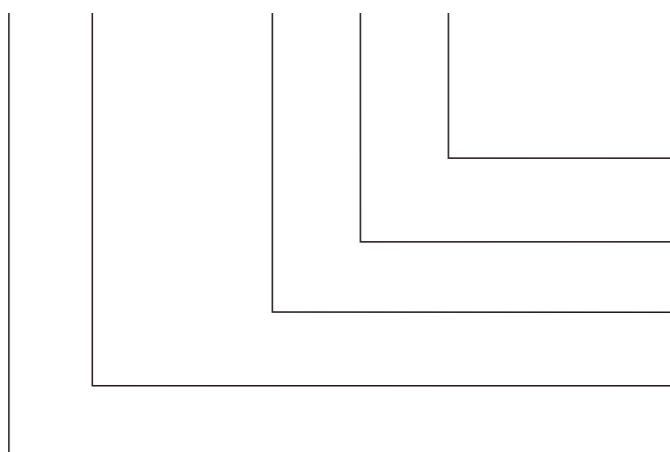
- ◆ 采用立式侧装型结构，冷凝器可以叠加安装，节省安装空间，外形美观。
- ◆ 换热管：采用管径Φ9.52高效内螺纹铜管，管间距25×21.65的三角形排列，换热效率高。
- ◆ 亲水铝箔波纹式铝片；片距2.1mm。
- ◆ 风机规格采用Φ400、Φ450、Φ500及Φ550外转子风机；产品试验压力：30bar。
- ◆ 可满足R404A、R507A、R448A、R449A、R134A、R22等制冷剂使用。

The XC series condenser adopts a vertical side mounted structure, with air inlet at the back and air outlet at the front.

- ◆ Adopting a vertical side mounted structure, the condenser can be stacked for installation, saving installation space and having a beautiful appearance.
- ◆ Heat exchange tubes: High efficiency internally threaded copper tubes with a diameter of 9.52 are used, arranged in a triangular pattern with a tube spacing of 25 × 21.65, resulting in high heat exchange efficiency.
- ◆ Hydrophilic aluminum foil corrugated aluminum sheet; The fin space is 2.1mm.
- ◆ The fan specifications adopt external rotor fans with diameters of 400, 450, 500, and 550; Product test pressure: 30bar.
- ◆ Can meet the needs of refrigerants such as R404A, R507A, R448A, R449A, R134A, R22, etc.

型号说明 MODEL DESCRIPTION

XC 42 / 40 2 X



电压: A: 380V, X: 缺省;
Voltage: A: 380V, X: Default;

电机数量
Number of motors

风机直径: mm
Fan diameter: mm

换热面积: m²
Heat exchange area: m²

产品系列
Product series



PERFORMANCE PARAMETER TABLE

→ 立式侧装型冷凝器性能参数表

机组型号 Model	换热量(KW) Heat Exchange	面积 Area	管容积 Tube Volume	风机 Fan			噪音 Noise	接管规格 Take Over Specifications		重量 Weight
				ΔT=15K	m ²	dm ³		dB(A)	进气 Intake	
XC19/401X	8.9	19.2	2.6	3250	216	0.46	69	Φ16	Φ12.7	16
XC24/401X	10.1	24.0	3.2	3100	216	0.46	69	Φ16	Φ12.7	18
XC31/402X	15.7	31.2	4.1	6800	432	0.92	69	Φ22	Φ16	27
XC42/402X	18.8	41.6	5.5	6500	432	0.92	69	Φ22	Φ16	31
XC52/402X	20.9	52.0	6.9	6200	432	0.92	69	Φ22	Φ16	34
XC64/452X	27.1	64.0	8.5	8500	580	1.2	69	Φ22	Φ16	46
XC80/452X	30.0	80.0	10.6	8200	580	1.2	69	Φ22	Φ16	51
XC77/404X	36.3	76.8	10.2	13600	864	1.8	69	Φ28	Φ22	70
XC102/404X	42.7	102.4	13.6	13000	864	1.8	69	Φ28	Φ22	79
XC128/454X	53.4	128.0	17.0	16400	1160	2.4	69	Φ28	Φ22	89
XC154/454X	57.5	153.6	20.4	15600	1160	2.4	69	Φ28	Φ22	98
XC174/504X	79.2	173.7	23.1	27920	2192	4.4	72	Φ35	Φ28	121
XC217/504X	89.7	217.1	28.9	27200	2192	4.4	72	Φ35	Φ28	137
XC261/554X	104.1	260.5	34.6	30400	2680	5.1	74	Φ35	Φ28	152
XC254/506X	116.8	253.7	33.7	41880	3288	6.6	72	Φ42	Φ28	169
XC317/506X	132.5	317.1	42.2	40800	3288	6.6	72	Φ42	Φ28	192
XC381/556X	154.1	380.5	50.6	45600	4020	7.6	74	Φ42	Φ28	214

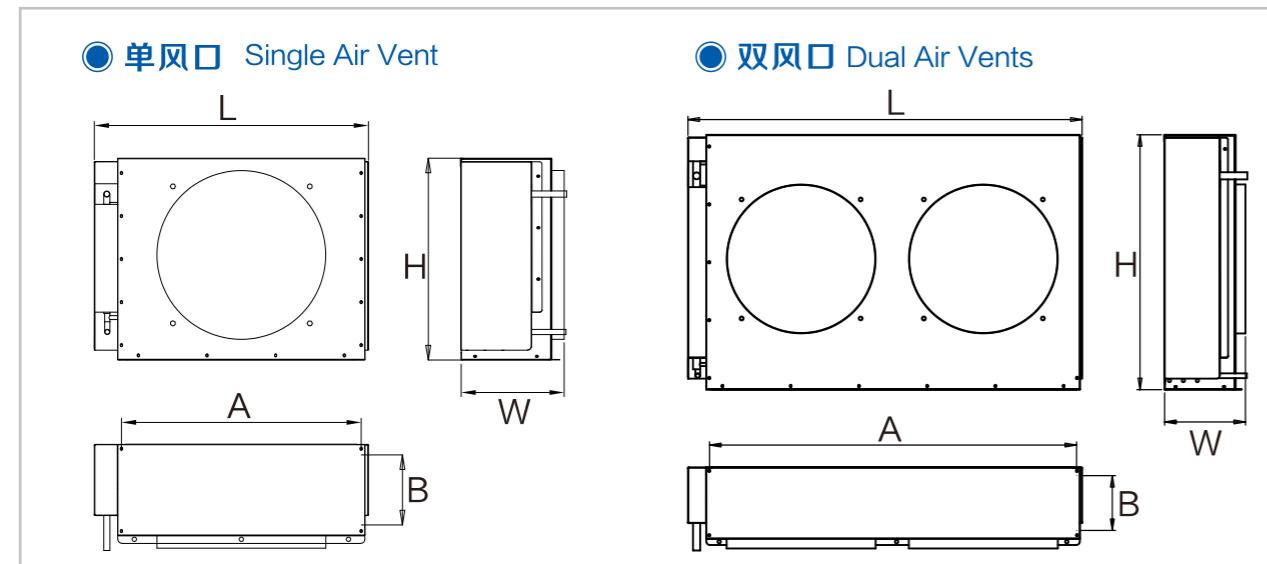
备注: (1)换热量标准: 进风温度35℃、冷凝温度50℃、传热温差15K、制冷剂R507。其他工况的换热量参见冷凝器选型说明。

(2)噪音标定为1m举例的声压值。

Note: (1) Heat exchange standard: inlet air temperature of 35 °C, condensation temperature of 50 °C, heat transfer temperature difference of 15K, refrigerant R507.

For heat exchange under other operating conditions, please refer to the condenser selection instructions.

(2) The noise calibration is based on the sound pressure value of 1m as an example.

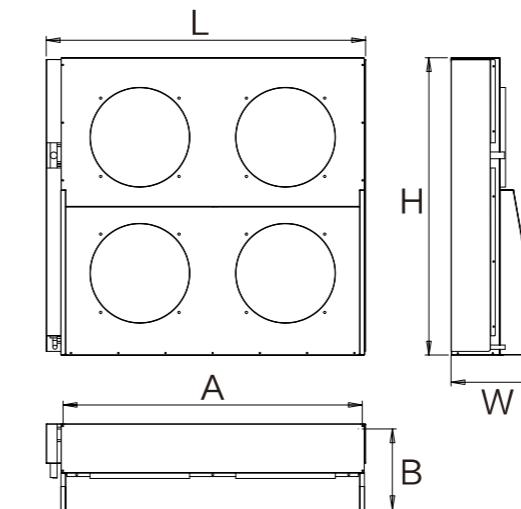


APPEARANCE AND INSTALLATION DIMENSIONS

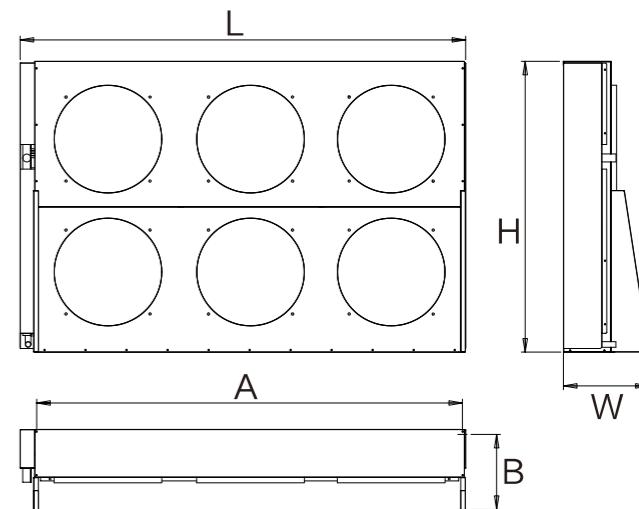
→ 外形及安装尺寸

型号 Model	外形尺寸(mm) External Dimensions			安装尺寸(mm) Installation Size		
	L	W	H	A	B	安装孔 Mounting Hole
XC*/401X	660	270	490	540	160	Φ9
XC*/402X	1010	270	640	900	160	Φ9
XC*/452X	1220	270	790	1100	160	Φ9
XC*/404X	1220	441	1240	1078	160	Φ9
XC*/454X	1220	441	1240	1078	160	Φ9
XC*/504X	1640	449	1530	1400	200	Φ9
XC*/554X	1640	449	1530	1400	200	Φ9
XC*/506X	2340	449	1530	2100	200	Φ9
XC*/556X	2340	449	1530	2100	200	Φ9

● 四风口 Four Air Vents



● 六风口 Six Air Vents



SELECTION GUIDE FOR AIR COOLERS

→ 冷风机选型指南

冷风机的选用应根据所需要的制冷量、库温、传热温差、制冷剂及所使用的场合来合理选用:

The selection of air coolers should be based on the required cooling capacity, storage temperature, heat transfer temperature difference, refrigerant, and the intended use:

1、根据制冷系统设计的蒸发温度确定传热温差 (ΔT) : $\Delta T = TC - TE$ (TC: 库温、TE: 蒸发温度)

库温、蒸发温度、传热温差对应关系可参照下表:

Determine the heat transfer temperature difference (ΔT) based on the evaporation temperature designed for the refrigeration system: $\Delta T = TC - TE$ (TC: storage temperature TE: Evaporation temperature)

工况	Working Condition	SC1	SC2	SC3	SC4
库温	Cold Room Temp	10°C	0°C	-18°C	-25°C
推荐蒸发温度	Recommended Evaporation Temp	0°C	-8°C	-25°C	-31°C
传热温差	Heat Transfer Temperature Difference	10K	8K	7K	6K

2、温差修正系数如下表: The temperature difference correction coefficient is shown in the following table:

● K1: 温差修正系数表 (基于蒸发温度-8°C、库温0°C、传热温差8K的名义制冷量) :

K1: Temperature difference correction coefficient table (based on nominal cooling capacity with evaporation temperature of -8 °C, storage temperature of 0 °C, and heat transfer temperature difference of 8K):

$\Delta T(K)$	库温 (°C) COLD ROOM TEMP															
	-35	-30	-25	-20	-15	-10	-5	0	1	2	3	4	5	6	8	10
6	0.65	0.65	0.66	0.68	0.70	0.71	0.73	0.75	0.78	0.80	0.83	0.85	0.88	0.88	0.88	0.88
7	0.76	0.76	0.77	0.79	0.81	0.83	0.85	0.87	0.90	0.94	0.97	1.0	1.03	1.03	1.03	1.03
8	0.87	0.87	0.88	0.90	0.93	0.95	0.98	1.00	1.04	1.07	1.10	1.14	1.17	1.17	1.17	1.17
9	0.98	0.98	0.99	1.02	1.04	1.07	1.10	1.13	1.16	1.20	1.24	1.28	1.32	1.32	1.32	1.32
10	1.09	1.09	1.10	1.13	1.16	1.19	1.22	1.25	1.29	1.34	1.38	1.42	1.47	1.47	1.47	1.47

● K2: 温差修正系数表 (基于蒸发温度-8°C、库温0°C、传热温差8K的名义制冷量) :

K2: Temperature difference correction coefficient table (based on nominal cooling capacity with evaporation temperature of -8 °C, storage temperature of 0 °C, and heat transfer temperature difference of 8K):

制冷剂 Refrigent	库温 (°C) COLD ROOM TEMP															
	-35	-30	-25	-20	-15	-10	-5	0	1	2	3	4	5	6	8	10
R404A	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
R507A	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
R22	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95

● K3: 翅片材料修正系数: K3: Fin material correction factor:

翅片材料 FIN MATERIAL	修正系数 CORRECTION FACTOR
光铝箔 LIGHT ALUMINUM FOIL	1.0
镀膜铝箔 COATED ALUMINUM FOIL	0.97

3、选择冷风机的型式和片距规格: Choose the type and spacing specification of the air cooler:

● 冷风机的片距可参照下表选用:

The fin space of the air cooler can be selected according to the following table:

库温 COLD ROOM TEMP	0~15°C	-5~-20°C	-23~-28°C	-30~-35°C
推荐片距 RECOMMENDED FIN SPACE	4.5mm	6.0mm	9.0mm	9.0~12.0mm

CONDENSER SELECTION GUIDE

→ 冷凝器选型指南

按照如下步骤来选择冷凝器:

Follow the steps below to select the condenser:

1、确定在设计工况下所需要的冷凝器的换热量 (冷凝负荷) :

1. Determine the required heat transfer capacity (condensing load) of the condenser under design conditions:

冷凝温度(°C) CONDENSING TEMPERATURE	蒸发温度 (°C) EVAPORATING TEMPERATURE									
	-40	-35	-30	-25	-20	-15	-10	-5	0	5
35	1.80	1.72	1.57	1.50	1.45	1.40	1.36	1.32	1.28	1.24
40	1.89	1.80	1.65	1.57	1.51	1.45	1.41	1.36	1.32	1.28
45	1.99	1.90	1.74	1.65	1.58	1.52	1.47	1.42	1.37	1.33
50	2.10	2.01	1.86	1.75	1.67	1.60	1.56	1.49	1.44	1.39
55	2.24	2.14	2.01	1.88	1.78	1.70	1.64	1.58	1.52	1.47

2、确定冷凝器所需要的名义换热量 (参数表中所标定的换热量) Qn:

2. Determine the nominal heat transfer required by the condenser (as calibrated in the parameter table) Qn:

● K1传热温差 (ΔT) 修正系数表:

Correction coefficient table for K1 heat transfer temperature difference (ΔT):

$\Delta T(K)$	8	9	10	11	12	13	14	15	16	17	18	19	20
K1	0.53	0.60	0.67	0.73	0.80	0.87	0.93	1.00	1.07	1.13	1.20	1.27	1.33

传热温差 ΔT = 冷凝温度Tk-进风温度Ta. o比如冷凝温度45°C、环境温度32°C, $\Delta T=45-32=13K$

Heat transfer temperature difference ΔT =condensation temperature Tk – inlet air temperature Ta. o, such as condensation temperature of 45 °C and ambient temperature of 32 °C, $\Delta T=45-32=13K$

● K2制冷剂修正系数表:

K2 refrigerant correction factor table:

制冷剂 REFRIGERANT	R404A	R507A	R134A	R407A	R407C	R22
K2	1.00	1.00	0.93	0.83	0.87	0.96

● K3冷凝器进风温度修正系数:

Correction factor for inlet air temperature of K3 condenser:

进风温度(°C) INLET AIR TEMPERATURE	10	15	20	25	30	32	35	40	45	50</th