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常州奥升制冷科技有限公司

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常州奥升制冷科技有限公司

CHANGZHOU AOSHENG REFRIGERATION TECHNOLOGY CO.,LTD

BRAVMD
Innovation Excellent Quality



AUSSN



公司简介

常州奥升制冷科技有限公司是一家集研发、设计、制造、销售、工程安装及售后服务于一体的专业冷凝机组生产企业。我公司生产的冷凝机组广泛用于商用冷柜、冷库等项目，新型智能机组产品原配件均使用国际国内大品牌产品，制冷系统稳定可靠，故障率极低。一流的钣金和喷涂工艺使产品美观大方、坚实耐用。

我公司生产的厢式冷凝机组针对商超冷柜有特殊改良，让您的冷柜制冷效果更完美，每个产品都经过全流程检验标准，以确保用户放心使用。

奥升以“诚信为本、质量为金、全心全意、精益求精”为企业宗旨，我们以不懈地努力，孜孜以求，编织出遍布全国乃至世界的销售网络，保证产品的质量，不断加强和巩固市场，提高品牌知名度和影响力。公司全体员工热忱欢迎四海宾客来我厂考察指导洽谈业务。

■ 企业目标 Business goals

力创一流业绩，确保一流品质，追求一流管理，保证一流服务。

Strive to achieve first-class performance, ensure first-class quality, the pursuit of first-class management, ensure first-class service.

■ 经营方针 Management policy

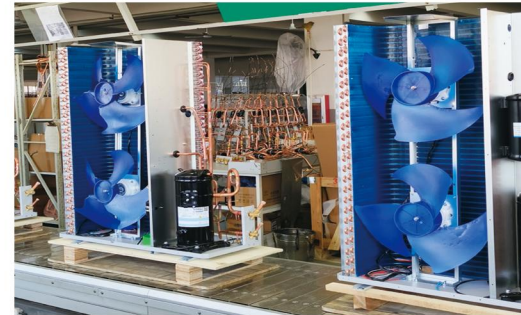
科学管理、质量第一、信守合同、顾客至上

Scientific management, quality first, abide by the contract, customer first.

■ 企业宗旨 Business purpose

诚信为本、质量为金、全心全意、精益求精

Integrity for this, quality for gold, heart and soul, excellence.



Changzhou Aosheng Refrigeration Technology Co., Ltd. is a professional manufacturer of condensing units that integrates research and development, design, manufacturing, sales, engineering installation, and after-sales service. The condensing units produced by our company are widely used in commercial refrigerators, cold storage and other projects. The original accessories of the new intelligent unit products are all from major international and domestic brands. The refrigeration system is stable and reliable, with an extremely low failure rate. The first-class sheet metal and spraying process makes the product beautiful, generous, solid and durable.

Our company's box type condensing unit has been specially improved for commercial refrigerators, making your refrigeration effect more perfect. Each product has undergone full process inspection standards to ensure that users can use it with confidence.

Aosheng adheres to the corporate philosophy of "integrity-based, quality oriented, wholehearted, and striving for excellence". With unremitting efforts and persistent pursuit, we have woven a sales network that covers the whole country and even the world, ensuring product quality, continuously strengthening and consolidating the market, and enhancing brand awareness and influence. All employees of the company warmly welcome guests from all over the world to visit our factory for inspection, guidance, and business negotiations.



制冷一体机可广泛应用于宾馆、饭店、食品、医疗卫生、农林畜牧、石油化工等行业物品的保鲜及低温冷藏的需要，也适合于微型和中小型冷库使用，库温可分别控制于-5~10℃、-15~-30℃，可分别满足不同层次的市场需求。

资质荣誉 Qualification honor



应用领域 Application Fields



中高温一体机组 Medium High Temperature Refrigeration Unit



涡旋机组参数 Parameters of scroll condensing unit



机组型号	AOSZGA-2HP	AOSZGA-3HP	AOSZGA-4HP	AOSZGA-5HP	AOSZGA-6HP	AOSZGA-8HP	AOSZGA-10HP	AOSZGA-8HP	AOSZGA-10HP	AOSZGA-13HP	AOSZGA-15HP	AOSZGA-20HP	
冷凝出风类型 / Condensed air outlet type	侧出风 / Side air outlet						顶出风 / Top air outlet						
蒸发温度适用范围 / 制冷剂 Evaporating Temperature / Refrigerant	-20°C~10°C / R404A												
电源 Power(V-Ph-Hz)	380-420/3/50												
压缩机 Compressor	类型 Type	艾默生涡旋式压缩机 Emerson Scroll compressor											
	功率 Capacity(P)	2	3	4	5	6	8	10	8	10	13	15	20
	型号 Model	ZB15KQE-TFD	ZB21KQE-TFD	ZB29KQE-TFD	ZB38KQE-TFD	ZB45KQE-TFD	ZB58KQE-TFD	ZB76KQE-TFD	ZB58KQE-TFD	ZB76KQE-TFD	ZB95KQE-TFD	ZB114KQE-TFD	ZB130KQE-TFD
风机参数 Condenser blade and motor parameters	品牌 Brand	东方 Orient						海乐 HaiLe					
	个数 Number	1	1	1	2	2	2	2	2	2	2	2	2
	功率 Power(W)	60	130	130	130	130	130	130	230	420W	420W	550W	780W
	风扇规格 Fanspecifications	480X153	500X148	500X148	500X148	500X148	500X148	500X148	450	500	500	550	600
	风量 Air volume(m ³ /h)	3500	5000	5000	5000X2	5000X2	5000X2	5000X2	4800X2	6550X2	6550X2	8600X2	11000X2
冷凝器铜管规格 Specification of condenser copper	内螺纹 Internal thread												
冷凝面积 Condensation area(m ²)	11	30	40	50	60	80	100	80	100	120	150	200	
冷凝器铜管 Condenser copper tube	φ9(25X21.65)	φ7(25X21.65)	φ9(25X21.65)	φ7(25X21.65)	φ9(25X21.65)	φ7(21X18.19)	φ9(21X18.19)	φ9(25X21.65)	φ9(25X21.65)	φ9(25X21.65)	φ9(25X21.65)	φ9(25X21.65)	
储液器容积 Reservoir volume (L)	3	5	5	8	8	10	10	10	10	12	15	20	
截止阀规格(铜管) Specification for globe valves and welded copper pipes	6+12 螺纹接口 Threaded connection	10+16 螺纹接口 Threaded connection port		12+19 螺纹接口 Threaded connection port	16+28 焊口 Welding connection port		16+28 焊口 Welding connection port		19+35 焊口 Welding connection port		19+42 焊口 Welding connection		
库温0~-18°C库存储存容积 (m ³) Recommended cold storage volume for cold storage temperature range of 0~-18 C(m ³)	10~15	20~50	40~60	50~100	60~120	80~140	100~150	80~140	100~150	120~200	150~300	200~400	
制冷量 (W) cooling capacity	蒸发温度 Evaporating Temperature	测试条件: 回气温度 20°C 过冷度 OK; 冷凝器温度 40°C Test conditions: Return air temperature of 20 °C, subcooling degree of 0K; Condensation temperature 40 °C											
	-20°C	2470	3810	5170	6520	7630	9710	13300	9710	13300	16050	18850	21100
	-15°C	3080	4660	6320	7970	9340	12200	16400	12200	16400	20200	23700	26000
	-10°C	3780	5650	7660	9660	11300	14900	19900	14900	19900	24600	29100	31500
	-5°C	4570	6780	9200	11600	13600	17950	23900	17950	23900	29400	35100	37800
	0°C	5480	8090	10950	13850	16200	21400	28500	21400	28500	34900	42000	45000
10°C	7680	11250	15300	19300	22600	29800	39500	29800	39500	48500	58500	62600	
产品尺寸 Product dimensions: length X width X height (mm)	1000 × 440 × 575	1000 × 440 × 825	1000 × 440 × 825	1000 × 440 × 1225	1000 × 440 × 1225	1230 × 490 × 1350	1230 × 490 × 1350	1380 × 764 × 1022	1344 × 764 × 922	1444 × 764 × 1022	1444 × 894 × 1122	1644 × 899 × 1222	
包装尺寸 Packaging dimensions: length X width X height(mm)	1120x450x695	1120x450x955	1120x450x955	1120x450x1360	1120x450x1360	1350x490x1510	1350x490x1510	1580x880x1180	1530x880x1090	1645x900x1170	1645x1015x1290	1830x1200x1390	
安装尺寸 Installation length X width(mm)	725 × 410	725 × 410	725 × 410	725 × 410	725 × 410	690 × 450	690 × 450	906 × 725	870 × 725	970 × 755	970x855	970x860	
噪音 Noise dB(A)	49.5	51	51	53	53	56	56	56	56	59	63	65	
净重 Net weight (kg)	48	71	75	90	99	122	129	/	/	/	/	/	
毛重 Gross weight (kg)	55	78	82	97	106	130	137	/	/	/	/	/	
节流装置 throttling device	热力膨胀阀 (用户自备) Thermal expansion valve (user provided)												
推荐热力膨胀阀型号 Recommend using the thermal expansion valve model	TES2 4#	TES2 6#	TES2 6#	TGES6	TGES6	TGES9	TGES11	TGES9	TGES11	TGES13	TGES13	TGES13	
推荐风机型号 Recommended air cooler model	HS401AD02.5	HS401AD03.4	HS402AD04.2	HS402AD06.0	HS402AD06.6	HS403AD09.7	HS404AD11.9	HS403AD09.7	HS404AD11.9	HS404AD13.5	HS504AD16.5	HS504AD20.8	

备注: 为了保证制冷效果机组安装时建议使用不小于冷风机的铜管规格, 可以在接入冷凝机组时使用变径铜管!
Note: In order to ensure the cooling effect of the unit installation, it is recommended to use copper pipes with specifications not smaller than those of the air cooler. Variable diameter copper pipes can be used when connecting to the condensing unit!

中高温一体机组 Medium High Temperature Refrigeration Unit



涡旋机组参数 Parameters of scroll condensing unit



机组型号	AOSZGA-2HP	AOSZGA-3HP	AOSZGA-4HP	AOSZGA-5HP	AOSZGA-6HP	AOSZGA-8HP	AOSZGA-10HP	AOSZGA-8HP	AOSZGA-10HP	AOSZGA-13HP	AOSZGA-15HP	AOSZGA-20HP	
冷凝出风类型 /Condensed air outlet type	侧出风/Side air outlet						顶出风/Top air outlet						
蒸发温度适用范围 /制冷剂 Evaporating Temperature/Refrigerant	-20°C~10°C / R404A												
电源 Power(V-Ph-Hz)	380~420/3/60												
压缩机 Compressor	艾默生涡旋式压缩机 Emerson Scroll compressor												
	功率 Capacity(P)	2	3	4	5	6	8	10	8	10	13	15	20
	型号 Model	ZB15KQE -TF7	ZB21KQE -TF7	ZB29KQE -TF7	ZB38KQE -TF7	ZB45KQE -TF7	ZB58KQE -TF7	ZB76KQE -TF7	ZB58KQE -TF7	ZB76KQE -TF7	ZB95KQE -TW7	ZB114KQE -TW7	ZB130KQE -TE7
风机参数 Condenser blade and motor parameters	品牌 Brand	东方 Orient						海乐 HaiLe					
	个数 Number	1	1	1	2	2	2	2	2	2	2	2	2
	功率 Power(W)	60	130	130	130	130	130	130	230	420W	420W	550W	780W
	风量 Air volume(m ³ /h)	3500	5000	5000	5000X2	5000X2	5000X2	5000X2	4800X2	6550X2	6550X2	8600X2	11000X2
冷凝器铜管规格 Specification of condenser copper	内螺纹 Internal thread												
冷凝面积 Condensation area(m ²)	11	30	40	50	60	80	100	80	100	120	150	200	
冷凝器铜管 Condenser copper tube	φ9(25X21.65)	φ7(25X21.65)	φ9(25X21.65)	φ7(25X21.65)	φ9(25X21.65)	φ7(21X18.19)	φ9(21X18.19)	φ9(25X21.65)	φ9(25X21.65)	φ9(25X21.65)	φ9(25X21.65)	φ9(25X21.65)	
储液器容积 Reservoir volume (L)	3	5	5	8	8	10	10	10	10	12	15	20	
截止阀规格 (铜管) Specification for globe valves and welded copper pipes	6+12 螺纹接口 Threaded connection	10+16 螺纹接口 Threaded connection port		12+19 螺纹接口 Threaded connection port		16+28 焊口 Welding connection port		16+28 焊口 Welding connection port		19+35 焊口 Welding connection port		19+42 焊口 Welding connection	
库温0~-18°C库容体积 (m ³) Recommended cold storage volume for cold storage temperature range of 0~-18 C(m ³)	10~15	20~50	40~60	50~100	60~120	80~140	100~150	80~140	100~150	120~200	150~300	200~400	
制冷量 (W) cooling capacity	蒸发温度 Evaporating Temperature	测试条件: 回气温度20°C 过冷度OK; 冷凝器温度40°C Test conditions: Return air temperature of 20 °C, subcooling degree of 0K; Condensation temperature 40 °C											
	-20°C	2976	4470	6210	7830	9290	11900	16300	11900	16300	19700	23400	25400
	-15°C	3700	5460	7590	9570	11350	14800	19850	14800	19850	24400	29000	31300
	-10°C	4530	6630	9180	11550	13750	18000	24000	18000	24000	29600	35300	38000
	-5°C	5490	7980	11000	13850	16450	21600	28700	21600	28700	35500	42400	45500
	0°C	6570	9510	13050	16500	19550	25700	34200	25700	34200	42200	50500	54200
10°C	9220	13100	18050	22800	27100	35900	47600	35900	47600	58600	70000	75300	
产品尺寸 Product dimensions: length X width X height (mm)	1000×440×575	1000×440×825	1000×440×825	1000×440×1225	1000×440×1225	1230×490×1350	1230×490×1350	1380×764×1022	1344×764×922	1444×764×1022	1444×894×1122	1644×899×1222	
包装尺寸 Packaging dimensions: length X width X height(mm)	1120x450x695	1120x450x955	1120x450x955	1120x450x1360	1120x450x1360	1350x490x1510	1350x490x1510	1580x880x1180	1530x880x1090	1645x900x1170	1645x1015x1290	1830x1200x1390	
安装尺寸 Installation length X width(mm)	725×410	725×410	725×410	725×410	725×410	690×450	690×450	906×725	870×725	970×755	970x855	970x860	
噪音 Noise dB(A)	49.5	51	51	53	53	56	56	56	56	59	63	65	
净重 Net weight (kg)	48	71	75	90	99	122	129	/	/	/	/	/	
毛重 Gross weight (kg)	55	78	82	97	106	130	137	/	/	/	/	/	
节流装置 throttling device	热力膨胀阀 (用户自备) Thermal expansion valve (user provided)												
推荐热力膨胀阀型号 Recommend using the thermal expansion valve model	TES2 4#	TES2 6#	TES2 6#	TGES6	TGES6	TGES9	TGES11	TGES9	TGES11	TGES13	TGES13	TGES13	
推荐风机型号 Recommended air cooler model	HS401AD02.5	HS401AD03.4	HS402AD04.2	HS402AD06.0	HS402AD06.6	HS403AD09.7	HS404AD11.9	HS403AD09.7	HS404AD11.9	HS404AD13.5	HS504AD16.5	HS504AD20.8	

备注: 为了保证制冷效果机组安装时建议使用不小于冷风机的铜管规格, 可以在接入冷凝器时使用变径铜管!
Note: In order to ensure the cooling effect of the unit installation, it is recommended to use copper pipes with specifications not smaller than those of the air cooler. Variable diameter copper pipes can be used when connecting to the condensing unit!

中高温一体机组 Medium High Temperature Refrigeration Unit



涡旋机组参数 Parameters of scroll condensing unit



机组型号		AOSZGA-2HP	AOSZGA-3HP	AOSZGA-4HP
冷凝出风类型/Condensed air outlet type		侧出风/Side air outlet		
蒸发温度适用范围/制冷剂 Evaporating Temperature/Refrigerant		-20°C~10°C / R404A		
电源 Power(V-Ph-Hz)		200~230/1/50		
压缩机 Compressor	类型 Type	艾默生涡旋式压缩机 Emerson Scroll compressor		
	功率 Capacity(P)	2	3	4
	型号 Model	ZB15KQE-PFJ	ZB21KQE-PFJ	ZB29KQE-PFJ
风机参数 Condenser blade and motor parameters	品牌 Brand	东方Orient		
	个数 Number	1	1	1
	功率 Power(W)	60	130	130
	风量 Air volume(m ³ /h)	3500	5000	5000
冷凝器铜管规格 Specification of condenser copper		内螺纹 Internal thread		
冷凝面积 Condensation area(m ²)		11	30	40
冷凝器铜管 Condenser copper tube		φ9(25X21.65)	φ7(25X21.65)	φ9(25X21.65)
储液器容积 Reservoir volume (L)		3	5	5
截止阀规格(铜管) Specification for globe valves and welded copper pipes		6+12 螺纹接口 Threaded connection port	10+16 螺纹接口 Threaded connection port	
库温0~-18°C库容容积 (m ³) Recommended cold storage volume for cold storage temperature range of 0~-18 C(m ³)		10~15	20~50	40~60
制冷量 (W) cooling capacity	蒸发温度 Evaporating Temperature	测试条件: 回气温度20°C 过冷度OK; 冷凝器温度40°C Test conditions: Return air temperature of 20 °C, subcooling degree of 0K; Condensation temperature 40 °C		
	-20°C	2630	3890	5000
	-15°C	3210	4760	6200
	-10°C	3880	5760	7580
	-5°C	4650	6920	9130
	0°C	5530	8250	10900
产品尺寸 Product dimensions: length X width X height (mm)		1000×440×575	1000×440×825	1000×440×825
包装尺寸 Packaging dimensions: length X width X height(mm)		1120x450x695	1120x450x955	1120x450x955
安装尺寸 Installation length X width(mm)		725×410	725×410	725×410
噪音 Noise dB(A)		49.5	51	51
净重 Net weight (kg)		48	71	75
毛重 Gross weight (kg)		55	78	82
节流装置 throttling device		热力膨胀阀 (用户自备) Thermal expansion valve (user provided)		
推荐热力膨胀阀型号 Recommend using the thermal expansion valve model		TES2 4#	TES2 6#	TES2 6#
推荐风机型号 Recommended air cooler model		HS401AD02.5	HS401AD03.4	HS402AD04.2

备注: 为了保证制冷效果机组安装时建议使用不小于冷风机的铜管规格, 可以在接入冷凝机组时使用变径铜管!
Note: In order to ensure the cooling effect of the unit installation, it is recommended to use copper pipes with specifications not smaller than those of the air cooler. Variable diameter copper pipes can be used when connecting to the condensing unit!

中高温一体机组 Medium High Temperature Refrigeration Unit



涡旋机组参数 Parameters of scroll condensing unit



机组型号		AOSZGA-2HP	AOSZGA-3HP	AOSZGA-4HP
冷凝出风类型/Condensed air outlet type		侧出风/Side air outlet		
蒸发温度适用范围/制冷剂 Evaporating Temperature/Refrigerant		-20°C~10°C / R404A		
电源 Power(V-Ph-Hz)		220~230/1/60		
压缩机 Compressor	类型 Type	艾默生涡旋式压缩机Emerson Scroll compressor		
	功率 Capacity(P)	2	3	4
	型号 Model	ZB15KQE-PFV	ZB21KQE-PFV	ZB29KQE-PFV
风机参数 Condenser blade and motor parameters	品牌 Brand	东方Orient		
	个数 Number	1	1	1
	功率 Power(W)	60	130	130
	风量 Air volume(m ³ /h)	3500	5000	5000
冷凝器铜管规格 Specification of condenser copper		内螺纹 Internal thread		
冷凝面积 Condensation area(m ²)		11	30	40
冷凝器铜管 Condenser copper tube		φ9(25X21.65)	φ7(25X21.65)	φ9(25X21.65)
储液器容积 Reservoir volume (L)		3	5	5
截止阀规格(铜管) Specification for globe valves and welded copper pipes		6+12 螺纹接口 Threaded connection port	10+16 螺纹接口 Threaded connection port	
库温0~-18°C库容容积 (m ³) Recommended cold storage volume for cold storage temperature range of 0~-18 C(m ³)		10~15	20~50	40~60
制冷量 (W) cooling capacity	蒸发温度 Evaporating Temperature	测试条件: 回气温度20°C 过冷度OK; Test conditions: Return air temperature of 20 °C, subcooling degree of 0K; Condensation temperature 40 °C		
	-20°C	3150	4710	6060
	-15°C	3850	5760	7520
	-10°C	4660	6960	9190
	-5°C	5590	8340	11050
	0°C	6640	9920	13200
产品尺寸 Product dimensions: length X width X height (mm)		1000×440×575	1000×440×825	1000×440×825
包装尺寸 Packaging dimensions: length X width X height(mm)		1120x450x695	1120x450x955	1120x450x955
安装尺寸 Installation length X width(mm)		725×410	725×410	725×410
噪音 Noise dB(A)		49.5	51	51
净重 Net weight (kg)		48	71	75
毛重 Gross weight (kg)		55	78	82
节流装置 throttling device		热力膨胀阀 (用户自备) Thermal expansion valve (user provided)		
推荐热力膨胀阀型号 Recommend using the thermal expansion valve model		TES2 4#	TES2 6#	TES2 6#
推荐风机型号 Recommended air cooler model		HS401AD02.5	HS401AD03.4	HS402AD04.2

备注: 为了保证制冷效果机组安装时建议使用不小于冷风机的铜管规格, 可以在接入冷凝机组时使用变径铜管!
Note: In order to ensure the cooling effect of the unit installation, it is recommended to use copper pipes with specifications not smaller than those of the air cooler. Variable diameter copper pipes can be used when connecting to the condensing unit!

中低温一体机组 Medium Low Temperature Refrigeration Unit



涡旋机组参数 Parameters of scroll condensing unit



机组型号		AOSZFA-2HP	AOSZFA-3HP	AOSZFA-4HP	AOSZFA-5HP	AOSZFA-6HP	AOSZFA-8HP	AOSZFA-10HP	AOSZFA-10HP	AOSZFA-10HP	AOSZFA-13HP	AOSZFA-15HP	AOSZFA-17HP
冷凝出风类型/Condensed air outlet type		侧出风/Side air outlet							顶出风/Top air outlet				
蒸发温度适用范围/制冷剂 Evaporating Temperature/Refrigerant		-40°C~0°C / R404A											
电源 Power(V-Ph-Hz)		380~420/3/50											
压缩机 Compressor	类型 Type	艾默生涡旋式压缩机 Emerson Scroll compressor											
	功率 Capacity(P)	2	3	4	5	6	8	10	8	10	13	15	17
	型号 Model	ZF06KQE-TFD	ZF09KQE-TFD	ZF13KQE-TFD	ZF15KQE-TFD	ZF18KQE-TFD	ZF25KQE-TFD	ZF34KQE-TFD	ZF25KQE-TFD	ZF34KQE-TFD	ZF41KQE-TFD	ZF49KQE-TFD	ZF54KQE-TFD
风机参数 Condenser blade and motor parameters	品牌 Brand	东方Orient							海乐HaiLe				
	个数 Number	1	1	1	2	2	2	2	2	2	2	2	2
	功率 Power(W)	60	130	130	130	130	130	130	230	420W	420W	550W	550W
	风量 Air volume(m³/h)	3500	5000	5000	5000X2	5000X2	5000X2	5000X2	4800X2	6550X2	6550X2	8600X2	8600X2
冷凝器铜管规格 Specification of condenser copper		内螺纹 Internal thread											
冷凝面积 Condensation area(m²)		11	30	40	50	60	80	100	80	100	120	150	150
冷凝器铜管 Condenser copper tube		φ9(25X21.65)	φ7(25X21.65)	φ9(25X21.65)	φ7(25X21.65)	φ9(25X21.65)	φ7(21X18.19)	φ9(21X18.19)	φ9(25X21.65)	φ9(25X21.65)	φ9(25X21.65)	φ9(25X21.65)	φ9(25X21.65)
储液器容积 Reservoir volume (L)		3	5	5	8	8	10	10	10	10	12	15	15
截止阀规格(铜管) Specification for globe valves and welded copper pipes		6+12 螺纹接口 Threaded connection port	10+16 螺纹接口 Threaded connection port		12+19 螺纹接口 Threaded connection port		16+28 焊口 Welding connection port		16+28 焊口 Welding connection port		19+35 焊口 Welding connection port		
库温0~-18°C库存容积 (m³) Recommended cold storage volume for cold storage temperature range of 0~-18 C(m³)		10~15	20~50	40~60	50~100	60~120	80~140	100~150	80~140	100~150	120~200	150~300	150~300
制冷量 (W) cooling capacity	蒸发温度 Evaporating Temperature	测试条件: 回气温度20°C 过冷度OK; 冷凝器温度40°C Test conditions: Return air temperature of 20 °C, subcooling degree of 0K; Condensation temperature 40 °C											
	-40°C	1160	1560	2240	2730	3370	4190	5430	4190	5430	6880	8270	9070
	-30°C	1820	2470	3570	4390	5300	6580	8750	6580	8750	10900	13050	14300
	-20°C	2720	3690	5400	6630	7890	9980	13100	9980	13100	16100	19550	21400
	-10°C	3940	5360	7850	9670	11450	14200	19000	14200	19000	23200	/	/
	-5°C	4700	6390	9350	11550	13700	16600	22600	16600	22600	27700	/	/
0°C	5570	7580	11050	13700	16300	/	/	/	/	/	/	/	
产品尺寸 Product dimensions: length X width X height (mm)		1000×440×575	1000×440×825	1000×440×825	1000×440×1225	1000×440×1225	1230×490×1350	1230×490×1350	1380×764×102	1344×764×922	1444×764×1022	1444×894×1122	1444×894×1122
包装尺寸 Packaging dimensions: length X width X height(mm)		1120x450x695	1120x450x955	1120x450x955	1120x450x1360	1120x450x1360	1350x490x1510	1350x490x1510	1580x880x1180	1530x880x1090	1645x900x1170	1645x1015x1290	1645x1015x1290
安装尺寸 Installation length X width(mm)		725×410	725×410	725×410	725×410	725×410	690×450	690×450	906×725	870×725	970×755	970x855	970x855
噪音 Noise dB(A)		49.5	51	51	53	53	56	56	56	56	59	63	63
净重 Net weight (kg)		48	71	75	90	99	122	129	/	/	/	/	/
毛重 Gross weight (kg)		55	78	82	97	106	130	137	/	/	/	/	/
节流装置 throttling device		热力膨胀阀 (用户自备) Thermal expansion valve (user provided)											
推荐热力膨胀阀型号 Recommend using the thermal expansion valve model		TES2 4#	TES2 6#	TES2 6#	TGES6	TGES6	TGES9	TGES11	TGES9	TGES11	TGES13	TGES13	TGES13
推荐风机型号 Recommended air cooler model		HS401AJ01.8	HS401AJ02.5	HS402AJ03.3	HS402AJ04.4	HS402AJ04.9	HS403AJ07.2	HS404AJ08.7	HS403AJ07.2	HS404AJ08.7	HS404AJ10.1	HS504AJ12.1	HS504AJ15

备注: 为了保证制冷效果机组安装时建议使用不小于冷风机的铜管规格, 可以在接入冷凝机组时使用变径铜管!
Note: In order to ensure the cooling effect of the unit installation, it is recommended to use copper pipes with specifications not smaller than those of the air cooler. Variable diameter copper pipes can be used when connecting to the condensing unit!

中低温一体机组 Medium Low Temperature Refrigeration Unit



涡旋机组参数 Parameters of scroll condensing unit



机组型号	AOSZFA-4HP	AOSZFA-5HP	AOSZFA-6HP	AOSZFA-8HP	AOSZFA-10HP	AOSZFA-10HP	AOSZFA-10HP	AOSZFA-13HP	AOSZFA-15HP	AOSZFA-17HP	
冷凝出风类型 / Condensed air outlet type	侧出风/Side air outlet					顶出风/Top air outlet					
蒸发温度适用范围 / 制冷剂 Evaporating Temperature/Refrigerant	-40°C~0°C / R404A										
电源 Power(V-Ph-Hz)	200~230/3/60 / 380~420/3/60										
压缩机 Compressor	艾默生涡旋式压缩机 Emerson Scroll compressor										
	类型 Type										
	功率 Capacity(P)	4	5	6	8	10	8	10	13	15	17
风机参数 Condenser blade and motor parameters	型号 Model	ZF13KQE-TF7	ZF15KQE-TF7	ZF18KQE-TF7	ZF25KQE-TF7	ZF34KQE-TF7	ZF25KQE-TF7	ZF34KQE-TF7	ZF41KQE-TF7	ZF49KQE-TF7	ZF54KQE-TF7
	品牌 Brand	东方Orient					海乐HaiLe				
	个数 Number	1	2	2	2	2	2	2	2	2	2
	功率 Power(W)	130	130	130	130	130	230	420W	420W	550W	550W
	风量 Air volume(m ³ /h)	5000	5000X2	5000X2	5000X2	5000X2	4800X2	6550X2	6550X2	8600X2	8600X2
冷凝器铜管规格 Specification of condenser copper	内螺纹 Internal thread										
冷凝面积 Condensation area(m ²)	40	50	60	80	100	80	100	120	150	150	
冷凝器铜管 Condenser copper tube	φ9(25X21.65)	φ7(25X21.65)	φ9(25X21.65)	φ7(21X18.19)	φ9(21X18.19)	φ9(25X21.65)	φ9(25X21.65)	φ9(25X21.65)	φ9(25X21.65)	φ9(25X21.65)	
储液器容积 Reservoir volume (L)	5	8	8	10	10	10	10	12	15	15	
截止阀规格(铜管) Specification for globe valves and welded copper pipes	12+19 螺纹接口 Threaded connection port		16+28 焊口 Welding connection port			16+28 Welding connection port		19+35 Welding connection port			
库温0~-18°C库存容积 (m ³) Recommended cold storage volume for cold storage temperature range of 0~-18 C(m ³)	40~60	50~100	60~120	80~140	100~150	80~140	100~150	120~200	150~300	150~300	
制冷量 (W) cooling capacity	蒸发温度 Evaporating Temperature	测试条件: 回气温度20°C 过冷度OK; 冷凝器温度40°C Test conditions: Return air temperature of 20 °C, subcooling degree of 0K; Condensation temperature 40 °C									
	-40°C	2660	3380	4080	5050	6500	5050	6500	8290	9960	11350
	-30°C	4270	5300	6410	7910	10500	7910	10500	13100	15700	17900
	-20°C	6460	7930	9530	11950	15700	11950	15700	19400	23500	26800
	-10°C	9370	11550	13800	17450	22700	17450	22700	28000	/	/
	-5°C	11150	13750	16450	20800	27100	20800	27100	33400	/	/
0°C	13100	16300	19550	/	/	/	/	/	/	/	
产品尺寸 Product dimensions: length X width X height (mm)	1000×440×825	1000×440×1225	1000×440×1225	1230×490×1350	1230×490×1350	1380×764×1022	1344×764×922	1444×764×1022	1444×894×1122	1444×894×1122	
包装尺寸 Packaging dimensions: length X width X height(mm)	1120x450x955	1120x450x1360	1120x450x1360	1350x490x1510	1350x490x1510	1580x880x1180	1530x880x1090	1645x900x1170	1645x1015x1290	1645x1015x1290	
安装尺寸 Installation length X width(mm)	725×410	725×410	725×410	690×450	690×450	906×725	870×725	970×755	970x855	970x855	
噪音 Noise dB(A)	51	53	53	56	56	56	56	59	63	63	
净重 Net weight (kg)	75	90	99	122	129	/	/	/	/	/	
毛重 Gross weight (kg)	82	97	106	130	137	/	/	/	/	/	
节流装置 throttling device	热力膨胀阀 (用户自备) Thermal expansion valve (user provided)										
推荐热力膨胀阀型号 Recommend using the thermal expansion valve model	TES2 6#	TGES6	TGES6	TGES9	TGES11	TGES9	TGES11	TGES13	TGES13	TGES13	
推荐风机型号 Recommended air cooler model	HS402AJ03.3	HS402AJ04.4	HS402AJ04.9	HS403AJ07.2	HS404AJ08.7	HS403AJ07.2	HS404AJ08.7	HS404AJ10.1	HS504AJ12.1	HS504AJ15	

备注: 为了保证制冷效果机组安装时建议使用不小于冷风机的铜管规格, 可以在接入冷凝机组时使用变径铜管!
Note: In order to ensure the cooling effect of the unit installation, it is recommended to use copper pipes with specifications not smaller than those of the air cooler. Variable diameter copper pipes can be used when connecting to the condensing unit!

中低温一体机组 Medium Low Temperature Refrigeration Unit



涡旋机组参数 Parameters of scroll condensing unit



机组型号		AOSZFIA-4HP	AOSZFIA-5HP	AOSZFIA-6HP	AOSZFIA-8HP	AOSZFIA-10HP	AOSZFIA-8HP	AOSZFIA-10HP	AOSZFIA-12HP	AOSZFIA-15HP	AOSZFIA-18HP
冷凝出风类型/Condensed air outlet type		侧出风/Side air outlet					顶出风/Top air outlet				
蒸发温度适用范围/制冷剂 Evaporating Temperature/Refrigerant		-40°C~-5°C / R404A									
电源 Power(V-Ph-Hz)		380~420/3/50									
压缩机 Compressor	类型 Type	艾默生涡旋式压缩机 Emerson Scroll compressor									
	功率 Capacity(P)	4	5	6	8	10	8	10	12	15	18
	型号 Model	ZFI20KQE-TFD	ZFI23KQE-TFD	ZFI26KQE-TFD	ZFI36KQE-TFD	ZFI39KQE-TFD	ZFI36KQE-TFD	ZFI39KQE-TFD	ZFI50KQE-TFD	ZFI59KQE-TFD	ZFI68KQE-TFD
风机参数 Condenser blade and motor parameters	品牌 Brand	东方Orient					海乐HaiLe				
	个数 Number	1	2	2	2	2	2	2	2	2	2
	功率 Power(W)	130	130	130	130	130	230	420W	420W	550W	780W
	风量 Air volume(m³/h)	5000	5000X2	5000X2	5000X2	5000X2	4800X2	6550X2	6550X2	8600X2	11000X2
冷凝器铜管规格 Specification of condenser copper		内螺纹 Internal thread									
冷凝面积 Condensation area(m²)		40	50	60	80	100	80	100	120	150	200
冷凝器铜管 Condenser copper tube		φ9(25X21.65)	φ7(25X21.65)	φ9(25X21.65)	φ7(21X18.19)	φ9(21X18.19)	φ9(25X21.65)	φ9(25X21.65)	φ9(25X21.65)	φ9(25X21.65)	φ9(25X21.65)
储液器容积 Reservoir volume (L)		5	8	8	10	10	10	10	12	15	20
截止阀规格(铜管) Specification for globe valves and welded copper pipes		12+19 螺纹接口 Threaded connection port			16+28 焊口 Welding connection port		16+28 Welding connection port		19+35 Welding connection port		19+42
库温0~-18°C库存容积 (m³) Recommended cold storage volume for cold storage temperature range of 0~-18 C(m³)		40~60	50~100	60~120	80~140	100~150	80~140	100~150	120~200	150~300	200~400
制冷量 (W) cooling capacity	蒸发温度 Evaporating Temperature	测试条件: 回气温度20°C 过冷度OK; 冷凝器温度40°C Test conditions: Return air temperature of 20 °C, subcooling degree of 0K; Condensation temperature 40 °C									
	-40°C	3270	4790	5120	6320	7250	6320	7250	8700	10600	12050
	-30°C	5010	6240	7360	9310	10700	9310	10700	12450	15150	17200
	-20°C	7270	8750	10450	13200	15100	13200	15100	17850	21800	24700
	-10°C	10200	12200	14600	17850	20500	17850	20500	24500	29800	/
	-5°C	11950	14250	17100	20500	23500	20500	23500	28100	34200	/
0°C	13950	16500	19950	/	/	/	/	/	/	/	
产品尺寸 Product dimensions: length X width X height (mm)		1000×440×825	1000×440×1225	1000×440×1225	1230×490×1350	1230×490×1350	1380×764×1022	1344×764×922	1444×764×1022	1444×894×1122	1644×899×1222
包装尺寸 Packaging dimensions: length X width X height(mm)		1120x450x955	1120x450x1360	1120x450x1360	1350x490x1510	1350x490x1510	1580x880x1180	1530x880x1090	1645x900x1170	1645x1015x1290	1830x1200x1390
安装尺寸 Installation length X width(mm)		725×410	725×410	725×410	690×450	690×450	906×725	870×725	970×755	970x855	970x860
噪音 Noise dB(A)		51	53	53	56	56	56	56	59	63	65
净重 Net weight (kg)		75	90	99	122	129	/	/	/	/	/
毛重 Gross weight (kg)		82	97	106	130	137	/	/	/	/	/
节流装置 throttling device		热力膨胀阀 (用户自备) Thermal expansion valve (user provided)									
推荐热力膨胀阀型号 Recommend using the thermal expansion valve model		TES2 6#	TGES6	TGES6	TGES9	TGES11	TGES9	TGES11	TGES13	TGES13	TGES13
推荐风机型号 Recommended air cooler model		HS402AJ03.3	HS402AJ04.4	HS402AJ04.9	HS403AJ07.2	HS404AJ08.7	HS403AJ07.2	HS404AJ08.7	HS404AJ10.1	HS504AJ12.1	HS504AJ15

备注: 为了保证制冷效果机组安装时建议使用不小于冷风机的铜管规格, 可以在接入冷凝器时使用变径铜管!
Note: In order to ensure the cooling effect of the unit installation, it is recommended to use copper pipes with specifications not smaller than those of the air cooler.
Variable diameter copper pipes can be used when connecting to the condensing unit!

中低温一体机组 Medium Low Temperature Refrigeration Unit



涡旋机组参数 Parameters of scroll condensing unit



机组型号		AOSZFIA-4HP	AOSZFIA-5HP	AOSZFIA-6HP	AOSZFIA-8HP	AOSZFIA-10HP	AOSZFIA-10HP	AOSZFIA-10HP	AOSZFIA-12HP	AOSZFIA-15HP	AOSZFIA-18HP	
冷凝出风类型/Condensed air outlet type		侧出风/Side air outlet					顶出风/Top air outlet					
蒸发温度适用范围/制冷剂 Evaporating Temperature/Refrigerant		-40°C~-5°C / R404A										
电源 Power(V-Ph-Hz)		208~230/3/60 / 380~420/3/60										
压缩机 Compressor	类型 Type	艾默生涡旋式压缩机 Emerson Scroll compressor										
	功率 Capacity(P)	4	5	6	8	10	8	10	12	15	18	
	型号 Model	ZFI20KQE-TF7	ZFI23KQE-TF7	ZFI26KQE-TF7	ZFI36KQE-TF7	ZFI39KQE-TF7	ZFI36KQE-TF7	ZFI39KQE-TF7	ZFI50KQE-TF7	ZFI59KQE-TF7	ZFI68KQE-TF7	
风机参数 Condenser blade and motor parameters	品牌 Brand	东方Orient					海乐HaiLe					
	个数 Number	1	2	2	2	2	2	2	2	2	2	
	功率 Power(W)	130	130	130	130	130	230	420W	420W	550W	780W	
	风量 Air volume(m ³ /h)	5000	5000X2	5000X2	5000X2	5000X2	4800X2	6550X2	6550X2	8600X2	11000X2	
冷凝器铜管规格 Specification of condenser copper		内螺纹 Internal thread										
冷凝面积 Condensation area(m ²)		40	50	60	80	100	80	100	120	150	200	
冷凝器铜管 Condenser copper tube		φ9(25X21.65)	φ7(25X21.65)	φ9(25X21.65)	φ7(21X18.19)	φ9(21X18.19)	φ9(25X21.65)	φ9(25X21.65)	φ9(25X21.65)	φ9(25X21.65)	φ9(25X21.65)	
储液器容积 Reservoir volume (L)		5	8	8	10	10	10	10	12	15	20	
截止阀规格(铜管) Specification for globe valves and welded copper pipes			12+19 螺纹接口 Threaded connection port		16+28 焊口 Welding connection port		16+28 Welding connection port		19+35 Welding connection port		19+42 Welding connection	
库温0~-18°C库存容积 (m ³) Recommended cold storage volume for cold storage temperature range of 0~-18 C(m ³)		40~60	50~100	60~120	80~140	100~150	80~140	100~150	120~200	150~300	200~400	
制冷量 (W) cooling capacity	蒸发温度 Evaporating Temperature	测试条件: 回气温度20°C 过冷度OK; 冷凝器温度40°C Test conditions: Return air temperature of 20 °C, subcooling degree of 0K; Condensation temperature 40 °C										
	-40°C	4230	5120	6060	7560	8710	7560	8710	10300	12750	14450	
	-30°C	6280	7560	9090	11050	12700	11050	12700	14750	18300	20700	
	-20°C	8940	11000	12850	15650	18000	15650	18000	21200	26200	29700	
	-10°C	12400	15500	17600	22100	25400	22100	25400	29000	35900	/	
	-5°C	14450	18050	20500	26200	30100	26200	30100	33300	41200	/	
0°C	16800	20700	23700	/	/	/	/	/	/	/		
产品尺寸 Product dimensions: length X width X height (mm)		1000×440×825	1000×440×1225	1000×440×1225	1230×490×1350	1230×490×1350	1380×764×1022	1344×764×922	1444×764×1022	1444×894×1122	1644×899×1222	
包装尺寸 Packaging dimensions: length X width X height(mm)		1120x450x955	1120x450x1360	1120x450x1360	1350x490x1510	1350x490x1510	1580x880x1180	1530x880x1090	1645x900x1170	1645x1015x1290	1830x1200x1390	
安装尺寸 Installation length X width(mm)		725×410	725×410	725×410	690×450	690×450	906×725	870×725	970×755	970x855	970x860	
噪音 Noise dB(A)		51	53	53	56	56	56	56	59	63	65	
净重 Net weight (kg)		75	90	99	122	129	/	/	/	/	/	
毛重 Gross weight (kg)		82	97	106	130	137	/	/	/	/	/	
节流装置 throttling device		热力膨胀阀 (用户自备) Thermal expansion valve (user provided)										
推荐热力膨胀阀型号 Recommend using the thermal expansion valve model		TES2 6#	TGES6	TGES6	TGES9	TGES11	TGES9	TGES11	TGES13	TGES13	TGES13	
推荐风机型号 Recommended air cooler model		HS402AJ03.3	HS402AJ04.4	HS402AJ04.9	HS403AJ07.2	HS404AJ08.7	HS403AJ07.2	HS404AJ08.7	HS404AJ10.1	HS504AJ12.1	HS504AJ15	

备注: 为了保证制冷效果机组安装时建议使用不小于冷风机的铜管规格, 可以在接入冷凝器组时使用变径铜管!
Note: In order to ensure the cooling effect of the unit installation, it is recommended to use copper pipes with specifications not smaller than those of the air cooler.
Variable diameter copper pipes can be used when connecting to the condensing unit!

中低温一体机组 Medium Low Temperature Refrigeration Unit



涡旋机组参数 Parameters of scroll condensing unit



机组型号	AOSZX-1.2HP	AOSZX-1.5HP	AOSZX-2HP	AOSZX-3HP	AOSZX-4HP	AOSZX-5HP	
冷凝出风类型/Condensed air outlet type	侧出风/Side air outlet						
蒸发温度适用范围/制冷剂 Evaporating Temperature/Refrigerant	-30°C~0°C / R404A						
电源 Power(V-Ph-Hz)	220~240/1/50						
压缩机 Compressor	涡旋式压缩机 Scroll compressor						
	类型 Type						
	功率 Capacity(P)	1.2	1.5	2	3	4	5
型号 Model	XR22B-B1-101	XR28B-B1-101	XR38B-B1-101	XR52B-B1-101	XR72B-B1-101	XR91B-B1-101	
风机参数 Condenser blade and motor parameters	品牌 Brand 东方 Orient						
	个数 Number	1	1	1	1	1	2
	功率 Power(W)	60	60	60	130	130	130
	风扇规格 Fanspecifications	480X153	480X153	480X153	500X148	500X148	500X148
	风量 Air volume(m ³ /h)	3500	3500	3500	5000	5000	5000X2
冷凝器铜管规格 Specification of condenser copper	内螺纹 Internal thread						
冷凝面积 Condensation area(m ²)	11	11	19	30	40	50	
冷凝器铜管 Condenser copper tube	φ9(25X21.65)	φ9(25X21.65)	φ7(25X21.65)	φ7(25X21.65)	φ9(25X21.65)	φ7(25X21.65)	
储液器容积 Reservoir volume (L)	3	3	3	5	5	8	
截止阀规格(铜管) Specification for globe valves and welded copper pipes	6+12 螺纹接口 Threaded connection port			10+16 螺纹接口 Threaded connection port		12+19 螺纹接口 Threaded connection port	
库温0~-18°C库存储存容积 (m ³) Recommended cold storage volume for cold storage temperature range of 0~-18 C(m ³)	10~15	10~15	15~20	20~50	40~60	50~100	
制冷量 (W) cooling capacity	测试条件: 回气温度20°C 过冷度OK; 冷凝器温度40°C Test conditions: Return air temperature of 20 °C, subcooling degree of 0K; Condensation temperature 40 °C						
	蒸发温度 Evaporating Temperature						
	-30°C	1013	1175	1577	2245	3146	3839
	-25°C	1282	1486	1995	2840	3981	4857
	-15°C	1974	2288	3071	4374	6129	7477
	-10°C	2411	2796	3752	5342	7488	9136
	-5°C	2924	3390	4550	6478	9081	11078
	0°C	3526	4088	5486	7811	10950	13358
10°C	5079	5890	7903	11253	15774	19243	
产品尺寸 Product dimensions: length X width X height (mm)	1000×440×575	1000×440×575	1000×440×575	1000×440×825	1000×440×825	1000×440×1225	
包装尺寸 Packaging dimensions: length X width X height(mm)	1120x450x695	1120x450x695	1120x450x695	1120x450x955	1120x450x955	1120x450x1360	
安装尺寸 Installation length X width(mm)	725×410	725×410	725×410	725×410	725×410	725×410	
噪音 Noise dB(A)	49.5	49.5	49.5	51	51	53	
净重 Net weight (kg)	48	48	51	71	75	90	
毛重 Gross weight (kg)	55	55	58	78	82	97	
节流装置 throttling device	热力膨胀阀 (用户自备) Thermal expansion valve (user provided)						
推荐热力膨胀阀型号 Recommend using the thermal expansion valve model	TES2 4#	TES2 4#	TES2 4#	TES2 6#	TES2 6#	TGES6	
推荐风机型号 Recommended air cooler model	HS401AD02.5	HS401AD02.5	HS401AD02.5	HS401AD03.4	HS402AD04.2	HS402AD06.0	

备注: 为了保证制冷效果机组安装时建议使用不小于冷风机的铜管规格, 可以在接入冷凝机组时使用变径铜管!
Note: In order to ensure the cooling effect of the unit installation, it is recommended to use copper pipes with specifications not smaller than those of the air cooler. Variable diameter copper pipes can be used when connecting to the condensing unit!

中低温一体机组 Medium Low Temperature Refrigeration Unit



涡旋机组参数 Parameters of scroll condensing unit



机组型号	AOSZX-1.2HP	AOSZX-1.5HP	AOSZX-2HP	AOSZX-3HP	AOSZX-4HP	AOSZX-5HP	
冷凝出风类型/Condensed air outlet type	侧出风/Side air outlet						
蒸发温度适用范围/制冷剂 Evaporating Temperature/Refrigerant	-30°C~0°C / R404A						
电源 Power(V-Ph-Hz)	208~230/1/60						
压缩机 Compressor	涡旋式压缩机 Scroll compressor						
	类型 Type						
	功率 Capacity(P)	1.2	1.5	2	3	4	5
型号 Model	XR22B-C1-101	XR28B-C1-101	XR38B-C1-101	XR52B-C1-101	XR72B-C1-101	XR91B-C1-101	
风机参数 Condenser blade and motor parameters	品牌 Brand 东方 Orient						
	个数 Number	1	1	1	1	1	2
	功率 Power(W)	60	60	60	130	130	130
	风扇规格 Fanspecifications	480X153	480X153	480X153	500X148	500X148	500X148
	风量 Air volume(m ³ /h)	3500	3500	3500	5000	5000	5000X2
冷凝器铜管规格 Specification of condenser copper	内螺纹 Internal thread						
冷凝面积 Condensation area(m ²)	11	11	19	30	40	50	
冷凝器铜管 Condenser copper tube	φ9(25X21.65)	φ9(25X21.65)	φ7(25X21.65)	φ7(25X21.65)	φ9(25X21.65)	φ7(25X21.65)	
储液器容积 Reservoir volume (L)	3	3	3	5	5	8	
截止阀规格(铜管) Specification for globe valves and welded copper pipes	6+12 螺纹接口 Threaded connection port			10+16 螺纹接口 Threaded connection port		12+19 螺纹接口 Threaded connection port	
库温0~-18°C库存储存容积 (m ³) Recommended cold storage volume for cold storage temperature range of 0~-18 C(m ³)	10~15	10~15	15~20	20~50	40~60	50~100	
制冷量 (W) cooling capacity	测试条件: 回气温度20°C 过冷度OK; 冷凝器温度40°C Test conditions: Return air temperature of 20 °C, subcooling degree of 0K; Condensation temperature 40 °C						
	蒸发温度 Evaporating Temperature						
	-30°C	1226	1421	1991	2730	3852	4884
	-25°C	1551	1799	2520	3455	4874	7699
	-15°C	2388	2769	3879	5318	7503	9488
	-10°C	2918	3383	4739	6498	9167	11581
	-5°C	3538	4102	5747	7879	11116	14031
	0°C	4266	4947	6930	9501	13404	16903
10°C	6146	7126	9983	13687	19309	24300	
产品尺寸 Product dimensions: length X width X height (mm)	1000×440×575	1000×440×575	1000×440×575	1000×440×825	1000×440×825	1000×440×1225	
包装尺寸 Packaging dimensions: length X width X height(mm)	1120x450x695	1120x450x695	1120x450x695	1120x450x955	1120x450x955	1120x450x1360	
安装尺寸 Installation length X width(mm)	725×410	725×410	725×410	725×410	725×410	725×410	
噪音 Noise dB(A)	49.5	49.5	49.5	51	51	53	
净重 Net weight (kg)	48	48	51	71	75	90	
毛重 Gross weight (kg)	55	55	58	78	82	97	
节流装置 throttling device	热力膨胀阀 (用户自备) Thermal expansion valve (user provided)						
推荐热力膨胀阀型号 Recommend using the thermal expansion valve model	TES2 4#	TES2 4#	TES2 4#	TES2 6#	TES2 6#	TGES6	
推荐风机型号 Recommended air cooler model	HS401AD02.5	HS401AD02.5	HS401AD02.5	HS401AD03.4	HS402AD04.2	HS402AD06.0	

备注: 为了保证制冷效果机组安装时建议使用不小于冷风机的铜管规格, 可以在接入冷凝机组时使用变径铜管!
Note: In order to ensure the cooling effect of the unit installation, it is recommended to use copper pipes with specifications not smaller than those of the air cooler. Variable diameter copper pipes can be used when connecting to the condensing unit!

中低温一体机组 Medium Low Temperature Refrigeration Unit



涡旋机组参数 Parameters of scroll condensing unit



机组型号	AOSZX-1.2HP	AOSZX-1.5HP	AOSZX-2HP	AOSZX-3HP	AOSZX-4HP	AOSZX-5HP	AOSZX-6H	AOSZX-8HP	AOSZX-10HP	AOSZX-8HP	AOSZX-10HP	AOSZX-12HP	AOSZX-15HP	AOSZX-20HP	
冷凝出风类型/Condensed air outlet type	侧出风/Side air outlet									顶出风/Top air outlet					
蒸发温度适用范围/制冷剂 Evaporating Temperature/Refrigerant	-30°C~0°C / R404A														
电源 Power(V-Ph-Hz)	208~230/3/60														
压缩机 Compressor	涡旋式压缩机 Scroll compressor														
类型 Type															
功率 Capacity(P)	1.2	1.5	2	3	4	5	6	8	10	8	10	12	15	20	
型号 Model	XR22B-D1-101	XR28B-D1-101	XR38B-D1-101	XR52B-D1-101	XR72B-D1-101	XR91B-D1-101	XR110B-D1-101	XR135B-D1-101	XR190B-D1-101	XR135B-D1-101	XR190B-D1-101	XR215B-D1-101	XR260B-D1-101	XR280B-D1-101	
品牌 Brand	东方Orient									海乐HaiLe					
风机参数 Condenser blade and motor parameters															
个数 Number	1	1	1	1	1	2	2	2	2	2	2	2	2	2	
功率 Power(W)	60	60	60	130	130	130	130	130	130	230	420W	420W	550W	780W	
风扇规格 Fanspecifications	480X153	480X153	480X153	500X148	500X148	500X148	500X148	500X148	500X148	450	500	500	550	600	
风量 Air volume(m³/h)	3500	3500	3500	5000	5000	5000X2	5000X2	5000X2	5000X2	4800X2	6550X2	6550X2	8600X2	11000X2	
冷凝器铜管规格 Specification of condenser copper	内螺纹 Internal thread														
冷凝面积 Condensation area(m²)	11	11	19	30	40	50	60	80	100	80	100	120	150	200	
冷凝器铜管 Condenser copper tube	φ9(25X21.65)	φ9(25X21.65)	φ7(25X21.65)	φ7(25X21.65)	φ9(25X21.65)	φ7(25X21.65)	φ9(25X21.65)	φ7(21X18.19)	φ9(21X18.19)	φ9(25X21.65)	φ9(25X21.65)	φ9(25X21.65)	φ9(25X21.65)	φ9(25X21.65)	
储液器容积 Reservoir volume (L)	3	3	3	5	5	8	8	10	10	10	10	12	15	20	
截止阀规格(铜管) Specification for globe valves and welded copper pipes	6+12 螺纹接口 Threaded connection port			10+16 螺纹接口 Threaded connection port		12+19 螺纹接口 Threaded connection port		16+28 焊口 Welding connection port		16+28 Welding connection port		19+35 Welding connection port		19+42 Welding connection port	
库温0~-18°C库存容积 (m³) Recommended cold storage volume for cold storage temperature range of 0~-18 C(m³)	10~15	10~15	15~20	20~50	40~60	50~100	60~120	80~140	100~150	80~140	100~150	120~200	150~300	200~400	
制冷量 (W) cooling capacity	蒸发温度 Evaporating Temperature	测试条件: 回气温度20°C 过冷度OK; 冷凝器温度40°C Test conditions: Return air temperature of 20 °C, subcooling degree of 0K; Condensation temperature 40 °C													
	-30°C	1237	1439	1991	2735	3776	4743	5754	7085	9915	7085	9915	11298	13625	14516
	-25°C	1565	1821	2520	3461	4778	6001	7281	8965	12546	8965	12546	14297	17241	18368
	-15°C	2409	2804	3879	5329	7355	9238	11208	13801	19313	13801	19313	22008	26541	28276
	-10°C	2943	3426	4739	6510	8986	11287	13694	16862	23597	16862	23597	26890	32427	34547
	-5°C	3568	4154	5747	7895	10897	13687	16606	20447	28614	20447	28614	32607	39322	41893
	0°C	4303	5009	6930	9520	13140	16504	20024	24656	34504	24656	34504	39318	47416	50516
10°C	6199	7215	9983	13713	18928	23775	28845	35518	49704	35518	49704	56640	68304	72770	
产品尺寸 Product dimensions: length X width X height (mm)	1000×440×575	1000×440×575	1000×440×575	1000×440×575	1000×440×575	1000×440×122	1000×440×122	1230×490×135	1230×490×135	1380×764×102	1344×764×922	1444×764×102	1444×894×112	1644×899×1222	
包装尺寸 Packaging dimensions: length X width X height(mm)	1120x450x695	1120x450x695	1120x450x695	1120x450x955	1120x450x955	1120x450x1360	1120x450x1360	1350x490x1510	1350x490x1510	1580x880x1180	1530x880x1090	1645x900x1170	1645x1015x129	1830x1200x1390	
安装尺寸 Installation length X width(mm)	725×410	725×410	725×410	725×410	725×410	725×410	725×410	690×450	690×450	906×725	870×725	970×755	970x855	970x860	
噪音 Noise dB(A)	49.5	49.5	49.5	51	51	53	53	56	56	56	56	59	63	65	
净重 Net weight (kg)	48	48	51	71	75	90	99	122	129	/	/	/	/	/	
毛重 Gross weight (kg)	55	55	58	78	82	97	106	130	137	/	/	/	/	/	
节流装置 throttling device	热力膨胀阀 (用户自备) Thermal expansion valve (user provided)														
推荐热力膨胀阀型号 Recommend using the thermal expansion valve model	TES2 4#	TES2 4#	TES2 4#	TES2 6#	TES2 6#	TGES6	TGES6	TGES9	TGES11	TGES9	TGES11	TGES13	TGES13	TGES13	
推荐风机型号 Recommended air cooler model	HS401AD02.5	HS401AD02.5	HS401AD02.5	HS401AD03.4	HS402AD04.2	HS402AD06.0	HS402AD06.6	HS403AD09.7	HS404AD11.9	HS403AD09.7	HS404AD11.9	HS404AD13.5	HS504AD16.5	HS504AD20.8	

备注: 为了保证制冷效果机组安装时建议使用不小于冷风机的铜管规格, 可以在接入冷凝机组时使用变径铜管!
Note: In order to ensure the cooling effect of the unit installation, it is recommended to use copper pipes with specifications not smaller than those of the air cooler. Variable diameter copper pipes can be used when connecting to the condensing unit!

中高温一体机组 Medium High Temperature Refrigeration Unit



涡旋机组参数 Parameters of scroll condensing unit



机组型号		AOSZX-1.2HP	AOSZX-1.5HP	AOSZX-2HP	AOSZX-3HP	AOSZX-4HP	AOSZX-5HP	AOSZX-6HP	AOSZX-8HP	AOSZX-10HP	AOSZX-8HP	AOSZX-10HP	AOSZX-12HP	AOSZX-15HP	AOSZX-20HP	
冷凝出风类型/Condensed air outlet type		侧出风/Side air outlet									顶出风/Top air outlet					
蒸发温度适用范围/制冷剂 Evaporating Temperature/Refrigerant		-30°C~10°C / R404A														
电源 Power(V-Ph-Hz)		380~420/3/50 460/3/60										380/3/60				
压缩机 Compressor	类型 Type	涡旋式压缩机 Scroll compressor														
	功率 Capacity(P)	1.2	1.5	2	3	4	5	6	8	10	8	10	12	15	20	
	型号 Model	XR22B-A1-101	XR28B-A1-101	XR38B-A1-101	XR52B-A1-101	XR72B-A1-101	XR91B-A1-101	XR110B-A1-101	XR135B-A1-101	XR190B-A1-101	XR135B-A1-101	XR190B-A1-101	XR215B-A1-101	XR260B-A1-101	XR280B-A1-101	
风机参数 Condenser blade and motor parameters	品牌 Brand	东方Orient									海乐HaiLe					
	个数 Number	1	1	1	1	1	2	2	2	2	2	2	2	2	2	
	功率 Power(W)	60	60	60	130	130	130	130	130	130	230	420W	420W	550W	780W	
	风量 Air volume(m³/h)	3500	3500	3500	5000	5000	5000X2	5000X2	5000X2	5000X2	4800X2	6550X2	6550X2	8600X2	11000X2	
冷凝器铜管规格 Specification of condenser copper		内螺纹 Internal thread														
冷凝面积 Condensation area(m²)		11	11	19	30	40	50	60	80	100	80	100	120	150	200	
冷凝器铜管 Condenser copper tube		φ9(25X21.65)	φ9(25X21.65)	φ7(25X21.65)	φ7(25X21.65)	φ9(25X21.65)	φ7(25X21.65)	φ9(25X21.65)	φ7(21X18.19)	φ9(21X18.19)	φ9(25X21.65)	φ9(25X21.65)	φ9(25X21.65)	φ9(25X21.65)	φ9(25X21.65)	
储液器容积 Reservoir volume (L)		3	3	3	5	5	8	8	10	10	10	10	12	15	20	
截止阀规格(铜管) Specification for globe valves and welded copper pipes		6+12 螺纹接口 Threaded connection port			10+16 螺纹接口 Threaded connection port		12+19 螺纹接口 Threaded connection port		16+28 焊口 Welding connection port		16+28 Welding connection port		19+35 Welding connection port		19+42 Welding connection port	
库温0~-18°C库存容积 (m³) Recommended cold storage volume for cold storage temperature range of 0~-18 C(m³)		10~15	10~15	15~20	20~50	40~60	50~100	60~120	80~140	100~150	80~140	100~150	120~200	150~300	200~400	
制冷量 (W) cooling capacity	蒸发温度 Evaporating Temperature	测试条件: 回气温度20°C 过冷度OK; 冷凝器温度40°C Test conditions: Return air temperature of 20 °C, subcooling degree of 0K; Condensation temperature 40 °C														
	-30°C	1022	1190	1642	2236	3286	3850	4795	5904	8262	5904	8262	9415	11354	12096	
	-25°C	1293	1505	2078	2829	4158	4886	6068	7471	10455	7471	10455	11914	14367	15307	
	-15°C	1991	2317	3199	4355	6401	7598	9340	11501	16094	11501	16094	18340	22117	23563	
	-10°C	2432	2831	3908	5321	7821	9330	11412	14052	19664	14052	19664	22408	27023	28789	
	-5°C	2949	3433	4739	6453	9484	11357	13838	17039	23845	17039	23845	27172	32768	34910	
	0°C	3556	4140	5714	7781	11436	13715	16687	20547	28753	20547	28753	32765	39513	42096	
10°C	5122	5963	8231	11209	16474	19596	24038	29596	41420	29596	41420	47200	56920	60642		
产品尺寸 Product dimensions: length X width X height (mm)		1000×440×575	1000×440×575	1000×440×575	1000×440×575	1000×440×575	1000×440×122	1000×440×122	1230×490×135	1230×490×135	1380×764×102	1344×764×922	1444×764×102	1444×894×112	1644×899×1222	
包装尺寸 Packaging dimensions: length X width X height(mm)		1120x450x695	1120x450x695	1120x450x695	1120x450x955	1120x450x955	1120x450x1360	1120x450x1360	1350x490x1510	1350x490x1510	1580x880x1180	1530x880x1090	1645x900x1170	1645x1015x129	1830x1200x1390	
安装尺寸 Installation length X width(mm)		725×410	725×410	725×410	725×410	725×410	725×410	725×410	690×450	690×450	906×725	870×725	970×755	970x855	970x860	
噪音 Noise dB(A)		49.5	49.5	49.5	51	51	53	53	56	56	56	56	59	63	65	
净重 Net weight (kg)		48	48	51	71	75	90	99	122	129	/	/	/	/	/	
毛重 Gross weight (kg)		55	55	58	78	82	97	106	130	137	/	/	/	/	/	
节流装置 throttling device		热力膨胀阀 (用户自备) Thermal expansion valve (user provided)														
推荐热力膨胀阀型号 Recommend using the thermal expansion valve model		TES2 4#	TES2 4#	TES2 4#	TES2 6#	TES2 6#	TGES6	TGES6	TGES9	TGES11	TGES9	TGES11	TGES13	TGES13	TGES13	
推荐风机型号 Recommended air cooler model		HS401AD02.5	HS401AD02.5	HS401AD02.5	HS401AD03.4	HS402AD04.2	HS402AD06.0	HS402AD06.6	HS403AD09.7	HS404AD11.9	HS403AD09.7	HS404AD11.9	HS404AD13.5	HS504AD16.5	HS504AD20.8	

备注: 为了保证制冷效果机组安装时建议使用不小于冷风机的铜管规格, 可以在接入冷凝机组时使用变径铜管!
Note: In order to ensure the cooling effect of the unit installation, it is recommended to use copper pipes with specifications not smaller than those of the air cooler.
Variable diameter copper pipes can be used when connecting to the condensing unit!

低温一体机组 Low Temperature Refrigeration Unit



涡旋机组参数 Parameters of scroll condensing unit



机组型号		AOSZXL-1.2HP	AOSZXL-1.5HP	AOSZXL-2HP	AOSZXL-3HP	AOSZXL-4HP	AOSZXL-5HP
冷凝出风类型/Condensed air outlet type		侧出风/Side air outlet					
蒸发温度适用范围/制冷剂 Evaporating Temperature/Refrigerant		-40°C~-5°C / R404A					
电源 Power(V-Ph-Hz)		220~240/1/50					
压缩机 Compressor	类型 Type	涡旋式压缩机 Scroll compressor					
	功率 Capacity(P)	1.2	1.5	2	3	4	5
	型号 Model	XFL09B-B1-105	XFL10B-B1-105	XFL15B-B1-105	XFL20B-B1-105	XFL28B-B1-105	XFL35B-B1-105
风机参数 Condenser blade and motor parameters	品牌 Brand	东方Orient					
	个数 Number	1	1	1	1	1	2
	功率 Power(W)	60	60	60	130	130	130
	风扇规格 Fanspecifications	480X153	480X153	480X153	500X148	500X148	500X148
	风量 Air volume(m ³ /h)	3500	3500	3500	5000	5000	5000X2
冷凝器铜管规格 Specification of condenser copper		内螺纹 Internal thread					
冷凝面积 Condensation area(m ²)		11	11	19	30	40	50
冷凝器铜管 Condenser copper tube		φ9(25X21.65)	φ9(25X21.65)	φ7(25X21.65)	φ7(25X21.65)	φ9(25X21.65)	φ7(25X21.65)
储液器容积 Reservoir volume (L)		3	3	3	5	5	8
截止阀规格(铜管) Specification for globe valves and welded copper pipes		6+12 螺纹接口 Threaded connection port			10+16 螺纹接口 Threaded connection port		12+19 螺纹接口 Threaded connection port
库温0~-18°C库容容积 (m ³) Recommended cold storage volume for cold storage temperature range of 0~-18 C(m ³)		10~15	10~15	15~20	20~50	40~60	50~100
制冷量 (W) cooling capacity	蒸发温度 Evaporating Temperature	测试条件: 回气温度20°C 过冷度OK; 冷凝器温度40°C Test conditions: Return air temperature of 20 °C, subcooling degree of 0K; Condensation temperature 40 °C					
	-40°C	618	724	1018	1414	1916	2339
	-30°C	1006	1179	1658	2302	3121	3808
	-25°C	1263	1480	2081	2890	3917	4781
	-15°C	1922	2252	3167	4399	5963	7279
	-10°C	2327	2728	3836	5327	7221	8813
	-5°C	2782	3260	4584	6367	8630	10533
产品尺寸 Product dimensions: length X width X height (mm)		1000×440×575	1000×440×575	1000×440×575	1000×440×825	1000×440×825	1000×440×1225
包装尺寸 Packaging dimensions: length X width X height(mm)		1120x450x695	1120x450x695	1120x450x695	1120x450x955	1120x450x955	1120x450x1360
安装尺寸 Installation length X width(mm)		725×410	725×410	725×410	725×410	725×410	725×410
噪音 Noise dB(A)		49.5	49.5	49.5	51	51	53
净重 Net weight (kg)		48	48	51	71	75	90
毛重 Gross weight (kg)		55	55	58	78	82	97
节流装置 throttling device		热力膨胀阀 (用户自备) Thermal expansion valve (user provided)					
推荐热力膨胀阀型号 Recommend using the thermal expansion valve model		TES2 4#	TES2 4#	TES2 4#	TES2 6#	TES2 6#	TGES6
推荐风机型号 Recommended air cooler model		HS401AJ01.8	HS401AJ01.8	HS401AJ01.8	HS401AJ02.5	HS402AJ03.3	HS402AJ04.4

备注: 为了保证制冷效果机组安装时建议使用不小于冷风机的铜管规格, 可以在接入冷凝器组时使用变径铜管!
Note: In order to ensure the cooling effect of the unit installation, it is recommended to use copper pipes with specifications not smaller than those of the air cooler. Variable diameter copper pipes can be used when connecting to the condensing unit!

低温一体机组 Low Temperature Refrigeration Unit



涡旋机组参数 Parameters of scroll condensing unit



机组型号		AOSZXL-1.2HP	AOSZXL-1.5HP	AOSZXL-2HP	AOSZXL-3HP	AOSZXL-4HP	AOSZXL-5HP
冷凝出风类型/Condensed air outlet type		侧出风/Side air outlet					
蒸发温度适用范围/制冷剂 Evaporating Temperature/Refrigerant		-40°C~-5°C / R404A					
电源 Power(V-Ph-Hz)		208~230/1/60					
压缩机 Compressor	类型 Type	涡旋式压缩机 Scroll compressor					
	功率 Capacity(P)	1.2	1.5	2	3	4	5
	型号 Model	XFL09B-C1-105	XFL10B-C1-105	XFL15B-C1-105	XFL20B-C1-105	XFL28B-C1-105	XFL35B-C1-105
风机参数 Condenser blade and motor parameters	品牌 Brand	东方Orient					
	个数 Number	1	1	1	1	1	2
	功率 Power(W)	60	60	60	130	130	130
	风扇规格 Fanspecifications	480X153	480X153	480X153	500X148	500X148	500X148
	风量 Air volume(m ³ /h)	3500	3500	3500	5000	5000	5000X2
冷凝器铜管规格 Specification of condenser copper		内螺纹 Internal thread					
冷凝面积 Condensation area(m ²)		11	11	19	30	40	50
冷凝器铜管 Condenser copper tube		φ9(25X21.65)	φ9(25X21.65)	φ7(25X21.65)	φ7(25X21.65)	φ9(25X21.65)	φ7(25X21.65)
储液器容积 Reservoir volume (L)		3	3	3	5	5	8
截止阀规格(铜管) Specification for globe valves and welded copper pipes		6+12 螺纹接口 Threaded connection port			10+16 螺纹接口 Threaded connection port		12+19 螺纹接口 Threaded connection port
库温0~-18°C库容容积 (m ³) Recommended cold storage volume for cold storage temperature range of 0~-18 C(m ³)		10~15	10~15	15~20	20~50	40~60	50~100
制冷量 (W) cooling capacity	蒸发温度 Evaporating Temperature	测试条件: 回气温度20°C 过冷度OK; 冷凝器温度40°C Test conditions: Return air temperature of 20 °C, subcooling degree of 0K; Condensation temperature 40 °C					
	-40°C	747	876	1221	1696	2300	2702
	-30°C	1217	1426	1989	2763	3745	4400
	-25°C	1528	1790	2497	3468	4842	5523
	-15°C	2325	2725	3800	5278	7341	8406
	-10°C	2816	3300	4603	6393	8870	10181
	-5°C	3366	3944	5501	7640	10573	12168
产品尺寸 Product dimensions: length X width X height (mm)		1000×440×575	1000×440×575	1000×440×575	1000×440×825	1000×440×825	1000×440×1225
包装尺寸 Packaging dimensions: length X width X height(mm)		1120x450x695	1120x450x695	1120x450x695	1120x450x955	1120x450x955	1120x450x1360
噪音 Noise dB(A)		49.5	49.5	49.5	51	51	53
净重 Net weight (kg)		48	48	51	71	75	90
毛重 Gross weight (kg)		55	55	58	78	82	97
安装尺寸 Installation length X width(mm)		725×410	725×410	725×410	725×410	725×410	725×410
节流装置 throttling device		热力膨胀阀 (用户自备) Thermal expansion valve (user provided)					
推荐热力膨胀阀型号 Recommend using the thermal expansion valve model		TES2 4#	TES2 4#	TES2 4#	TES2 6#	TES2 6#	TGES6
推荐风机型号 Recommended air cooler model		HS401AJ01.8	HS401AJ01.8	HS401AJ01.8	HS401AJ02.5	HS402AJ03.3	HS402AJ04.4

备注: 为了保证制冷效果机组安装时建议使用不小于冷风机的铜管规格, 可以在接入冷凝器组时使用变径铜管!
Note: In order to ensure the cooling effect of the unit installation, it is recommended to use copper pipes with specifications not smaller than those of the air cooler. Variable diameter copper pipes can be used when connecting to the condensing unit!

低温一体机组 Low Temperature Refrigeration Unit



涡旋机组参数 Parameters of scroll condensing unit



机组型号	AOSZXL-1.2HP	AOSZXL-1.5HP	AOSZXL-2HP	AOSZXL-3HP	AOSZXL-4HP	AOSZXL-5HP	AOSZXL-6H	AOSZXL-8HP	AOSZXL-10HP	AOSZXL-8HP	AOSZXL-10HP	AOSZXL-12HP	AOSZXL-15HP	AOSZXL-20HP		
冷凝出风类型/Condensed air outlet type	侧出风/Side air outlet									顶出风/Top air outlet						
蒸发温度适用范围/制冷剂 Evaporating Temperature/Refrigerant	-40°C~-5°C / R404A															
电源 Power(V-Ph-Hz)	208~230/3/60															
压缩机 Compressor	类型 Type	涡旋式压缩机 Scroll compressor														
	功率 Capacity(P)	1.2	1.5	2	3	4	5	6	8	10	8	10	12	15	20	
	型号 Model	XFL09B-D1-105	XFL10B-D1-105	XFL15B-D1-105	XFL20B-D1-105	XFL28B-D1-105	XFL35B-D1-105	XFL42B-D1-105	XFL51B-D1-105	XFL72B-D1-105	XFL51B-D1-105	XFL72B-D1-105	XFL80B-D1-105	XFL100B-D1-105	XFL120B-D1-105	
风机参数 Condenser blade and motor parameters	品牌 Brand	东方Orient									海乐HaiLe					
	个数 Number	1	1	1	1	1	2	2	2	2	2	2	2	2	2	
	功率 Power(W)	60	60	60	130	130	130	130	130	130	230	420W	420W	550W	780W	
	风量 Air volume(m³/h)	3500	3500	3500	5000	5000	5000X2	5000X2	5000X2	5000X2	4800X2	6550X2	6550X2	8600X2	11000X2	
冷凝器铜管规格 Specification of condenser copper	内螺纹 Internal thread															
冷凝面积 Condensation area(m²)	11	11	19	30	40	50	60	80	100	80	100	120	150	200		
冷凝器铜管 Condenser copper tube	φ9(25X21.65)	φ9(25X21.65)	φ7(25X21.65)	φ7(25X21.65)	φ9(25X21.65)	φ7(25X21.65)	φ9(25X21.65)	φ7(21X18.19)	φ9(21X18.19)	φ9(25X21.65)	φ9(25X21.65)	φ9(25X21.65)	φ9(25X21.65)	φ9(25X21.65)		
储液器容积 Reservoir volume (L)	3	3	3	5	5	8	8	10	10	10	10	12	15	20		
截止阀规格(铜管) Specification for globe valves and welded copper pipes	6+12 螺纹接口 Threaded connection port			10+16 螺纹接口 Threaded connection port			12+19 螺纹接口 Threaded connection port			16+28 焊口 Welding connection port		16+28 Welding connection port		19+35 Welding connection port		19+42 Welding connection port
库温0~-18°C库存容积 (m³) Recommended cold storage volume for cold storage temperature range of 0~-18 C(m³)	10~15	10~15	15~20	20~50	40~60	50~100	60~120	80~140	100~150	80~140	100~150	120~200	150~300	200~400		
制冷量 (W) cooling capacity	蒸发温度 Evaporating Temperature	测试条件: 回气温度20°C 过冷度OK; 冷凝器温度40°C Test conditions: Return air temperature of 20 °C, subcooling degree of 0K; Condensation temperature 40 °C														
	-40°C	751	878	1221	1696	2300	2903	3468	4282	5956	4282	5956	6785	8293	10261	
	-30°C	1223	1430	1989	2763	3745	4727	5648	6974	9699	6974	9699	11050	13505	16710	
	-25°C	1536	1795	2497	3468	5835	5934	7090	8755	12177	8755	12177	17217	16955	20978	
	-15°C	2337	2732	3800	5278	7155	9032	10791	13325	18533	13325	18533	21113	25805	31928	
	-10°C	2830	3309	4603	6393	8665	10938	13069	16138	22445	16138	22445	25570	31252	38667	
-5°C	3383	3955	5501	7640	10573	13073	15620	19287	26825	19287	26825	30560	37351	46213		
产品尺寸 Product dimensions: length X width X height (mm)	1000×440×575	1000×440×575	1000×440×575	1000×440×825	1000×440×825	1000×440×1225	1000×440×1225	1230×490×1350	1230×490×1350	1380×764×1022	1344×764×922	1444×764×1022	1444×894×1122	1644×899×1222		
包装尺寸 Packaging dimensions: length X width X height(mm)	1120x450x695	1120x450x695	1120x450x695	1120x450x955	1120x450x955	1120x450x1360	1120x450x1360	1350x490x1510	1350x490x1510	1580x880x1180	1530x880x1090	1645x900x1170	1645x1015x1290	1830x1200x1390		
噪音 Noise dB(A)	49.5	49.5	49.5	51	51	53	53	56	56	56	56	59	63	65		
净重 Net weight (kg)	48	48	51	71	75	90	99	122	129	/	/	/	/	/		
毛重 Gross weight (kg)	55	55	58	78	82	97	106	130	137	/	/	/	/	/		
安装尺寸 Installation length X width(mm)	725×410	725×410	725×410	725×410	725×410	725×410	725×410	690×450	690×450	906×725	870×725	970×755	970x855	970x860		
节流装置 throttling device	热力膨胀阀 (用户自备) Thermal expansion valve (user provided)															
推荐热力膨胀阀型号 Recommend using the thermal expansion valve model	TES2 4#	TES2 4#	TES2 4#	TES2 6#	TES2 6#	TGES6	TGES6	TGES9	TGES11	TGES9	TGES11	TGES13	TGES13	TGES13		
推荐冷风机型号 Recommended air cooler model	HS401AJ01.8	HS401AJ01.8	HS401AJ01.8	HS401AJ02.5	HS402AJ03.3	HS402AJ04.4	HS402AJ04.9	HS403AJ07.2	HS404AJ08.7	HS403AJ07.2	HS404AJ08.7	HS404AJ10.1	HS504AJ12.1	HS504AJ15		

备注: 为了保证制冷效果机组安装时建议使用不小于冷风机的铜管规格, 可以在接入冷凝机组时使用变径铜管!
 Note: In order to ensure the cooling effect of the unit installation, it is recommended to use copper pipes with specifications not smaller than those of the air cooler.
 Variable diameter copper pipes can be used when connecting to the condensing unit!



低温一体机组 Low Temperature Refrigeration Unit



涡旋机组参数 Parameters of scroll condensing unit



机组型号	AOSZXL-1.2HP	AOSZXL-1.5HP	AOSZXL-2HP	AOSZXL-3HP	AOSZXL-4HP	AOSZXL-5HP	AOSZXL-6H	AOSZXL-8HP	AOSZXL-10HP	AOSZXL-8HP	AOSZXL-10HP	AOSZXL-12HP	AOSZXL-15HP	AOSZXL-20HP			
冷凝出风类型/Condensed air outlet type	侧出风/Side air outlet									顶出风/Top air outlet							
蒸发温度适用范围/制冷剂 Evaporating Temperature/Refrigerant	-40°C~-5°C / R404A																
电源 Power(V-Ph-Hz)	380~420/3/50													380/3/60			
压缩机 Compressor	涡旋式压缩机 Scroll compressor																
类型 Type																	
功率 Capacity(P)	1.2	1.5	2	3	4	5	6	8	10	8	10	12	15	20			
型号 Model	XFL09B-A1-105	XFL10B-A1-105	XFL15B-A1-105	XFL20B-A1-105	XFL28B-A1-105	XFL35B-A1-105	XFL42B-A1-105	XFL51B-A1-105	XFL72B-A1-105	XFL51B-A1-105	XFL72B-A1-105	XFL80B-A1-105	XFL100B-A1-105	XFL120B-A1-105			
风机参数 Condenser blade and motor parameters	东方Orient									海乐HaiLe							
品牌 Brand																	
个数 Number	1	1	1	1	1	2	2	2	2	2	2	2	2	2			
功率 Power(W)	60	60	60	130	130	130	130	130	130	230	420	420	550	780			
风扇规格 Fanspecifications	480X153	480X153	480X153	500X148	500X148	500X148	500X148	500X148	500X148	450	500	500	550	600			
风量 Air volume(m³/h)	3500	3500	3500	5000	5000	5000X2	5000X2	5000X2	5000X2	4800X2	6550X2	6550X2	8600X2	11000X2			
冷凝器铜管规格 Specification of condenser copper	内螺纹 Internal thread																
冷凝面积 Condensation area(m²)	11	11	19	30	40	50	60	80	100	80	100	120	150	200			
冷凝器铜管 Condenser copper tube	φ9(25X21.65)	φ9(25X21.65)	φ7(25X21.65)	φ7(25X21.65)	φ9(25X21.65)	φ7(25X21.65)	φ9(25X21.65)	φ7(21X18.19)	φ9(21X18.19)	φ9(25X21.65)	φ9(25X21.65)	φ9(25X21.65)	φ9(25X21.65)	φ9(25X21.65)			
储液器容积 Reservoir volume (L)	3	3	3	5	5	8	8	10	10	10	10	12	15	20			
截止阀规格(铜管) Specification for globe valves and welded copper pipes	6+12 螺纹接口 Threaded connection port			10+16 螺纹接口 Threaded connection port			12+19 螺纹接口 Threaded connection port			16+28 焊口 Welding connection port			16+28 Welding connection port		19+35 Welding connection port		19+42 Welding connection port
库温0~-18°C库存容积 (m³) Recommended cold storage volume for cold storage temperature range of 0~-18 C(m³)	10~15	10~15	15~20	20~50	40~60	50~100	60~120	80~140	100~150	80~140	100~150	120~200	150~300	200~400			
蒸发温度 Evaporating Temperature	测试条件: 回气温度20°C 过冷度OK; 冷凝器温度40°C Test conditions: Return air temperature of 20 °C, subcooling degree of 0K; Condensation temperature 40 °C																
制冷量 (W) cooling capacity	-40°C	621	726	1018	1414	1916	2419	2890	3569	4963	3569	4963	5655	6911	8551		
	-30°C	1011	1182	1656	2302	3121	3939	4706	5811	8083	5811	8083	9208	11255	13925		
	-25°C	1269	1484	2081	2890	3918	4945	5909	7296	10147	7296	10147	11560	14129	17481		
	-15°C	1932	2258	3167	4399	5963	7527	8993	11104	15444	11104	15444	17595	21504	26606		
	-10°C	2339	2735	3836	5327	7221	9115	10891	13448	18704	13448	18704	21308	26044	32223		
-5°C	2796	3268	4584	6367	8630	10894	13016	16072	22354	16072	22354	25467	31126	38511			
产品尺寸 Product dimensions: length X width X height (mm)	1000×440×575	1000×440×575	1000×440×575	1000×440×825	1000×440×825	1000×440×1225	1000×440×1225	1230×490×1350	1230×490×1350	1380×764×1022	1344×764×922	1444×764×1022	1444×894×1122	1644×899×1222			
包装尺寸 Packaging dimensions: length X width X height(mm)	1120x450x695	1120x450x695	1120x450x695	1120x450x955	1120x450x955	1120x450x1360	1120x450x1360	1350x490x1510	1350x490x1510	1580x880x1180	1530x880x1090	1645x900x1170	1645x1015x1290	1830x1200x1390			
安装尺寸 Installation length X width(mm)	725×410	725×410	725×410	725×410	725×410	725×410	725×410	690×450	690×450	906×725	870×725	970×755	970x855	970x860			
噪音 Noise dB(A)	49.5	49.5	49.5	51	51	53	53	56	56	56	56	59	63	65			
净重 Net weight (kg)	48	48	51	71	75	90	99	122	129	/	/	/	/	/			
毛重 Gross weight (kg)	55	55	58	78	82	97	106	130	137	/	/	/	/	/			
节流装置 throttling device	热力膨胀阀 (用户自备) Thermal expansion valve (user provided)																
推荐热力膨胀阀型号 Recommend using the thermal expansion valve model	TES2 4#	TES2 4#	TES2 4#	TES2 6#	TES2 6#	TGES6	TGES6	TGES9	TGES11	TGES9	TGES11	TGES13	TGES13	TGES13			
推荐风机型号 Recommended air cooler model	HS401AJ01.8	HS401AJ01.8	HS401AJ01.8	HS401AJ02.5	HS402AJ03.3	HS402AJ04.4	HS402AJ04.9	HS403AJ07.2	HS404AJ08.7	HS403AJ07.2	HS404AJ08.7	HS404AJ10.1	HS504AJ12.1	HS504AJ15			

备注: 为了保证制冷效果机组安装时建议使用不小于冷风机的铜管规格, 可以在接入冷凝机组时使用变径铜管!
Note: In order to ensure the cooling effect of the unit installation, it is recommended to use copper pipes with specifications not smaller than those of the air cooler.
Variable diameter copper pipes can be used when connecting to the condensing unit!

低温一体机组 Low Temperature Refrigeration Unit



涡旋机组参数 Parameters of scroll condensing unit



机组型号		AOSZ XV-1.2HP	AOSZ XV-1.5HP	AOSZ XV-2HP	AOSZ XV-3HP	AOSZ XV-4HP
冷凝出风类型/Condensed air outlet type		侧出风/Side air outlet				
蒸发温度适用范围/制冷剂 Evaporating Temperature/Refrigerant		-35°C~5°C / R404A				
电源 Power(V-Ph-Hz)		208~230/1/50				
压缩机 Compressor	类型 Type	涡旋式压缩机 Scroll compressor				
	功率 Capacity(P)	1.2	1.5	2	3	4
	型号 Model	XFV09B-B1-181	XFV09B-B1-181	XFV15B-B1-181	XFV20B-B1-181	XFV28B-B1-181
风机参数 Condenser blade and motor parameters	品牌 Brand	东方Orient				
	个数 Number	1	1	1	1	1
	功率 Power(W)	60	60	60	130	130
	风量 Air volume(m³/h)	3500	3500	3500	5000	5000
冷凝器铜管规格 Specification of condenser copper		内螺纹 Internal thread				
冷凝面积 Condensation area(m²)		11	11	19	30	40
冷凝器铜管 Condenser copper tube		φ9(25X21.65)	φ9(25X21.65)	φ7(25X21.65)	φ7(25X21.65)	φ9(25X21.65)
储液器容积 Reservoir volume (L)		3	3	3	5	5
截止阀规格(铜管) Specification for globe valves and welded copper pipes		6+12 螺纹接口 Threaded connection port			10+16 螺纹接口 Threaded connection port	
库温0~-18°C库容(m³) Recommended cold storage volume for cold storage temperature range of 0~-18 C(m³)		10~15	10~15	15~20	20~50	40~60
制冷量 (W) cooling capacity	蒸发温度 Evaporating Temperature	测试条件: 回气温度20°C 过冷度OK; 冷凝器温度40°C Test conditions: Return air temperature of 20 °C, subcooling degree of 0K; Condensation temperature 40 °C				
	-40°C	618	724	1018	1414	1916
	-30°C	1006	1179	1658	2302	3121
	-20°C	1567	1836	2583	3587	4862
	-10°C	2327	2728	3836	5327	7221
	0°C	3278	3841	5402	7502	10170
产品尺寸 Product dimensions: length X width X height (mm)		1000×440×575	1000×440×575	1000×440×575	1000×440×825	1000×440×825
包装尺寸 Packaging dimensions: length X width X height(mm)		1120x450x695	1120x450x695	1120x450x695	1120x450x955	1120x450x955
安装尺寸 Installation length X width(mm)		725×410	725×410	725×410	725×410	725×410
噪音 Noise dB(A)		49.5	49.5	49.5	51	51
净重 Net weight (kg)		48	48	51	71	75
毛重 Gross weight (kg)		55	55	58	78	82
节流装置 throttling device		热力膨胀阀(用户自备) Thermal expansion valve (user provided)				
推荐热力膨胀阀型号 Recommend using the thermal expansion valve model		TES2 4#	TES2 4#	TES2 4#	TES2 6#	TES2 6#
推荐风机型号 Recommended air cooler model		HS401AD02.5	HS401AD02.5	HS401AD02.5	HS401AD03.4	HS402AD04.2

备注: 为了保证制冷效果机组安装时建议使用不小于冷风机的铜管规格, 可以在接入冷凝器时使用变径铜管!
Note: In order to ensure the cooling effect of the unit installation, it is recommended to use copper pipes with specifications not smaller than those of the air cooler. Variable diameter copper pipes can be used when connecting to the condensing unit!

低温一体机组 Low Temperature Refrigeration Unit



涡旋机组参数 Parameters of scroll condensing unit



机组型号		AOSZ XV-1.2HP	AOSZ XV-1.5HP	AOSZ XV-2HP	AOSZ XV-3HP	AOSZ XV-4HP
冷凝出风类型/Condensed air outlet type		侧出风/Side air outlet				
蒸发温度适用范围/制冷剂 Evaporating Temperature/Refrigerant		-35°C~5°C / R404A				
电源 Power(V-Ph-Hz)		208~230/1/60				
压缩机 Compressor	类型 Type	涡旋式压缩机 Scroll compressor				
	功率 Capacity(P)	1.2	1.5	2	3	4
	型号 Model	XFV09B-C1-181	XFV09B-C1-181	XFV15B-C1-181	XFV20B-C1-181	XFV28B-C1-181
风机参数 Condenser blade and motor parameters	品牌 Brand	东方Orient				
	个数 Number	1	1	1	1	1
	功率 Power(W)	60	60	60	130	130
	风量 Air volume(m³/h)	3500	3500	3500	5000	5000
冷凝器铜管规格 Specification of condenser copper		内螺纹 Internal thread				
冷凝面积 Condensation area(m²)		11	11	19	30	40
冷凝器铜管 Condenser copper tube		φ9(25X21.65)	φ9(25X21.65)	φ7(25X21.65)	φ7(25X21.65)	φ9(25X21.65)
储液器容积 Reservoir volume (L)		3	3	3	5	5
截止阀规格(铜管) Specification for globe valves and welded copper pipes		6+12 螺纹接口 Threaded connection port			10+16 螺纹接口 Threaded connection port	
库温0~-18°C库容(m³) Recommended cold storage volume for cold storage temperature range of 0~-18 C(m³)		10~15	10~15	15~20	20~50	40~60
制冷量 (W) cooling capacity	蒸发温度 Evaporating Temperature	测试条件: 回气温度20°C 过冷度OK; 冷凝器温度40°C Test conditions: Return air temperature of 20 °C, subcooling degree of 0K; Condensation temperature 40 °C				
	-40°C	748	876	1222	1697	2301
	-30°C	1217	1426	1988	2761	3743
	-20°C	1896	3761	3099	4305	5835
	-10°C	2816	3301	4603	6393	8666
	0°C	3969	4651	6486	9009	12212
产品尺寸 Product dimensions: length X width X height (mm)		1000×440×575	1000×440×575	1000×440×575	1000×440×825	1000×440×825
包装尺寸 Packaging dimensions: length X width X height(mm)		1120x450x695	1120x450x695	1120x450x695	1120x450x955	1120x450x955
安装尺寸 Installation length X width(mm)		725×410	725×410	725×410	725×410	725×410
噪音 Noise dB(A)		49.5	49.5	49.5	51	51
净重 Net weight (kg)		48	48	51	71	75
毛重 Gross weight (kg)		55	55	58	78	82
节流装置 throttling device		热力膨胀阀(用户自备) Thermal expansion valve (user provided)				
推荐热力膨胀阀型号 Recommend using the thermal expansion valve model		TES2 4#	TES2 4#	TES2 4#	TES2 6#	TES2 6#
推荐风机型号 Recommended air cooler model		HS401AD02.5	HS401AD02.5	HS401AD02.5	HS401AD03.4	HS402AD04.2

备注: 为了保证制冷效果机组安装时建议使用不小于冷风机的铜管规格, 可以在接入冷凝器时使用变径铜管!
Note: In order to ensure the cooling effect of the unit installation, it is recommended to use copper pipes with specifications not smaller than those of the air cooler. Variable diameter copper pipes can be used when connecting to the condensing unit!

低温一体机组 Low Temperature Refrigeration Unit



涡旋机组参数 Parameters of scroll condensing unit



机组型号		AOSZXV-1.2HP	AOSZXV-1.5HP	AOSZXV-2HP	AOSZXV-3HP	AOSZXV-4HP	AOSZXV-5HP	AOSZXV-6H	AOSZXV-8HP	AOSZXV-10HP	AOSZXV-8HP	AOSZXV-10HP	AOSZXV-12HP	AOSZXV-15HP	AOSZXV-20HP	
冷凝出风类型/Condensed air outlet type		侧出风/Side air outlet									顶出风/Top air outlet					
蒸发温度适用范围/制冷剂 Evaporating Temperature/Refrigerant		-35°C~5°C / R404A														
电源 Power(V-Ph-Hz)		208~230/3/60														
压缩机 Compressor	类型 Type	涡旋式压缩机 Scroll compressor														
	功率 Capacity(P)	1.2	1.5	2	3	4	5	6	8	10	8	10	12	15	20	
	型号 Model	XFV09B-D1-181	XFV10B-D1-181	XFV15B-D1-181	XFV20B-D1-181	XFV28B-D1-181	XFV35B-D1-181	XFV42B-D1-181	XFV51B-D1-181	XFV72B-D1-181	XFV51B-D1-181	XFV72B-D1-181	XFV80B-D1-181	XFV100B-D1-181	XFV120B-D1-181	
风机参数 Condenser blade and motor parameters	品牌 Brand	东方Orient									海乐HaiLe					
	个数 Number	1	1	1	1	1	2	2	2	2	2	2	2	2	2	
	功率 Power(W)	60	60	60	130	130	130	130	130	130	230	420W	420W	550W	780W	
	风扇规格 Fanspecifications	480X153	480X153	480X153	500X148	500X148	500X148	500X148	500X148	500X148	450	500	500	550	600	
	风量 Air volume(m³/h)	3500	3500	3500	5000	5000	5000X2	5000X2	5000X2	5000X2	4800X2	6550X2	6550X2	8600X2	11000X2	
冷凝器铜管规格 Specification of condenser copper		内螺纹 Internal thread														
冷凝面积 Condensation area(m²)		11	11	19	30	40	50	60	80	100	80	100	120	150	200	
冷凝器铜管 Condenser copper tube		φ9(25X21.65)	φ9(25X21.65)	φ7(25X21.65)	φ7(25X21.65)	φ9(25X21.65)	φ7(25X21.65)	φ9(25X21.65)	φ7(21X18.19)	φ9(21X18.19)	φ9(25X21.65)	φ9(25X21.65)	φ9(25X21.65)	φ9(25X21.65)	φ9(25X21.65)	
储液器容积 Reservoir volume (L)		3	3	3	5	5	8	8	10	10	10	10	12	15	20	
截止阀规格(铜管) Specification for globe valves and welded copper pipes		6+12 螺纹接口 Threaded connection port			10+16 螺纹接口 Threaded connection port		12+19 螺纹接口 Threaded connection port		16+28 焊口 Welding connection port		16+28 Welding connection port		19+35 Welding connection port		19+42 Welding connection	
库温0~-18°C库存容积 (m³) Recommended cold storage volume for cold storage temperature range of 0~-18 C(m³)		10~15	10~15	15~20	20~50	40~60	50~100	60~120	80~140	100~150	80~140	100~150	120~200	150~300	200~400	
制冷量 (W) cooling capacity	蒸发温度 Evaporating Temperature	测试条件: 回气温度20°C 过冷度OK; 冷凝器温度40°C Test conditions: Return air temperature of 20 °C, subcooling degree of OK; Condensation temperature 40 °C														
	-40°C	751	878	1222	1697	2301	2904	3470	4284	5959	4284	5959	6788	8797	10266	
	-30°C	1225	1429	1988	2761	3743	4725	5646	6971	9696	6971	9696	11046	13501	16704	
	-20°C	1906	2228	3099	4305	5835	7366	8801	10867	15115	10867	15115	17219	21046	26039	
	-10°C	2831	3309	4603	6393	8666	10940	13071	16139	22447	16139	22447	25573	31256	38672	
0°C	3989	4663	6486	9009	12212	15415	18418	22742	31630	22742	31630	36035	44042	54492		
产品尺寸 Product dimensions: length X width X height (mm)		1000×440×575	1000×440×575	1000×440×575	1000×440×825	1000×440×825	1000×440×1225	1000×440×1225	1230×490×1350	1230×490×1350	1380×764×1022	1344×764×922	1444×764×1022	1444×894×1122	1644×899×1222	
包装尺寸 Packaging dimensions: length X width X height(mm)		1120x450x695	1120x450x695	1120x450x695	1120x450x955	1120x450x955	1120x450x1360	1120x450x1360	1350x490x1510	1350x490x1510	1580x880x1180	1530x880x1090	1645x900x1170	1645x1015x1290	1830x1200x1390	
安装尺寸 Installation length X width(mm)		725×410	725×410	725×410	725×410	725×410	725×410	725×410	690×450	690×450	906×725	870×725	970×755	970x855	970x860	
噪音 Noise dB(A)		49.5	49.5	49.5	51	51	53	53	56	56	56	56	59	63	65	
净重 Net weight (kg)		48	48	51	71	75	90	99	122	129	/	/	/	/	/	
毛重 Gross weight (kg)		55	55	58	78	82	97	106	130	137	/	/	/	/	/	
节流装置 throttling device		热力膨胀阀 (用户自备) Thermal expansion valve (user provided)														
推荐热力膨胀阀型号 Recommend using the thermal expansion valve model		TES2 4#	TES2 4#	TES2 4#	TES2 6#	TES2 6#	TGES6	TGES6	TGES9	TGES11	TGES9	TGES11	TGES13	TGES13	TGES13	
推荐风机型号 Recommended air cooler model		HS401AD02.5	HS401AD02.5	HS401AD02.5	HS401AD03.4	HS402AD04.2	HS402AD06.0	HS402AD06.6	HS403AD09.7	HS404AD11.9	HS403AD09.7	HS404AD11.9	HS404AD13.5	HS504AD16.5	HS504AD20.8	

备注: 为了保证制冷效果机组安装时建议使用不小于冷风机的铜管规格, 可以在接入冷凝机组时使用变径铜管!
Note: In order to ensure the cooling effect of the unit installation, it is recommended to use copper pipes with specifications not smaller than those of the air cooler.
Variable diameter copper pipes can be used when connecting to the condensing unit!

低温一体机组 Low Temperature Refrigeration Unit



涡旋机组参数 Parameters of scroll condensing unit



机组型号		AOSZXV -1.2HP	AOSZXV -1.5HP	AOSZXV -2HP	AOSZXV -3HP	AOSZXV -4HP	AOSZXV -5HP	AOSZXV -6H	AOSZXV -8HP	AOSZXV -10HP	AOSZXV -8HP	AOSZXV -10HP	AOSZXV -12HP	AOSZXV -15HP	AOSZXV -20HP	
冷凝出风类型 /Condensed air outlet type		侧出风/Side air outlet									顶出风/Top air outlet					
蒸发温度适用范围 /制冷剂 Evaporating Temperature/Refrigerant		-40°C~0°C / R404A														
电源 Power(V-Ph-Hz)		380~420/3/50 460/3/60									380/3/60					
压缩机 Compressor	类型 Type	涡旋式压缩机 Scroll compressor														
	功率 Capacity(P)	1.2	1.5	2	3	4	5	6	8	10	8	10	12	15	20	
	型号 Model	XFV09B-A1-181	XFV10B-A1-181	XFV15B-A1-181	XFV20B-A1-181	XFV28B-A1-181	XFV35B-A1-181	XFV42B-A1-181	XFV51B-A1-181	XFV72B-A1-181	XFV51B-A1-181	XFV72B-A1-181	XFV80B-A1-181	XFV100B-A1-181	XFV120B-A1-181	
风机参数 Condenser blade and motor parameters	品牌 Brand	东方 Orient									海乐 HaiLe					
	个数 Number	1	1	1	1	1	2	2	2	2	2	2	2	2	2	
	功率 Power(W)	60	60	60	130	130	130	130	130	130	230	420W	420W	550W	780W	
	风量 Air volume(m ³ /h)	3500	3500	3500	5000	5000	5000X2	5000X2	5000X2	5000X2	4800X2	6550X2	6550X2	8600X2	11000X2	
冷凝器铜管规格 Specification of condenser copper		内螺纹 Internal thread														
冷凝面积 Condensation area(m ²)		11	11	19	30	40	50	60	80	100	80	100	120	150	200	
冷凝器铜管 Condenser copper tube		φ9(25X21.65)	φ9(25X21.65)	φ7(25X21.65)	φ7(25X21.65)	φ9(25X21.65)	φ7(25X21.65)	φ9(25X21.65)	φ7(21X18.19)	φ9(21X18.19)	φ9(25X21.65)	φ9(25X21.65)	φ9(25X21.65)	φ9(25X21.65)	φ9(25X21.65)	
储液器容积 Reservoir volume (L)		3	3	3	5	5	8	8	10	10	10	10	12	15	20	
截止阀规格(铜管) Specification for globe valves and welded copper pipes		6+12 螺纹接口 Threaded connection port			10+16 螺纹接口 Threaded connection port		12+19 螺纹接口 Threaded connection port		16+28 焊口 Welding connection port		16+28 Welding connection port		19+35 Welding connection port		19+42 Welding connection	
库温0~-18°C库存容积 (m ³) Recommended cold storage volume for cold storage temperature range of 0~-18 C(m ³)		10~15	10~15	15~20	20~50	40~60	50~100	60~120	80~140	100~150	80~140	100~150	120~200	150~300	200~400	
制冷量 (W) cooling capacity	蒸发温度 Evaporating Temperature	测试条件: 回气温度 20°C 过冷度 OK; 冷凝器温度 40°C Test conditions: Return air temperature of 20°C, subcooling degree of OK; Condensation temperature 40°C														
	-40°C	621	726	1018	1414	1916	2419	2890	3569	4963	3569	4963	5655	6911	8551	
	-30°C	1011	1182	1658	2302	3121	3939	4706	5811	8083	5811	8083	9208	11255	13925	
	-20°C	1575	1841	2583	3587	4862	6137	7333	9055	12594	9055	12594	14347	17535	21696	
	-10°C	2339	2735	3836	5327	7221	9115	10891	13448	18704	13448	18704	21308	26044	32223	
0°C	3295	3851	5402	7502	10170	12837	15338	18939	26341	18939	26341	30009	36678	45380		
产品尺寸 Product dimensions: length X width X height (mm)		1000 × 440 × 575	1000 × 440 × 575	1000 × 440 × 575	1000 × 440 × 825	1000 × 440 × 825	1000 × 440 × 1225	1000 × 440 × 1225	1230 × 490 × 1350	1230 × 490 × 1350	1380 × 764 × 1022	1344 × 764 × 922	1444 × 764 × 1022	1444 × 894 × 1122	1644 × 899 × 1222	
包装尺寸 Packaging dimensions: length X width X height(mm)		1120x450x695	1120x450x695	1120x450x695	1120x450x955	1120x450x955	1120x450x1360	1120x450x1360	1350x490x1510	1350x490x1510	1580x880x1180	1530x880x1090	1645x900x1170	1645x1015x1290	1830x1200x1390	
安装尺寸 Installation length X width(mm)		725 × 410	725 × 410	725 × 410	725 × 410	725 × 410	725 × 410	725 × 410	690 × 450	690 × 450	906 × 725	870 × 725	970 × 755	970x855	970x860	
噪音 Noise dB(A)		49.5	49.5	49.5	51	51	53	53	56	56	56	56	59	63	65	
净重 Net weight (kg)		48	48	51	71	75	90	99	122	129	/	/	/	/	/	
毛重 Gross weight (kg)		55	55	58	78	82	97	106	130	137	/	/	/	/	/	
节流装置 throttling device		热力膨胀阀 (用户自备) Thermal expansion valve (user provided)														
推荐热力膨胀阀型号 Recommend using the thermal expansion valve model		TES2 4#	TES2 4#	TES2 4#	TES2 6#	TES2 6#	TGES6	TGES6	TGES9	TGES11	TGES9	TGES11	TGES13	TGES13	TGES13	
推荐风机型号 Recommended air cooler model		HS401AD02.5	HS401AD02.5	HS401AD02.5	HS401AD03.4	HS402AD04.2	HS402AD06.0	HS402AD06.6	HS403AD09.7	HS404AD11.9	HS403AD09.7	HS404AD11.9	HS404AD13.5	HS504AD16.5	HS504AD20.8	

备注: 为了保证制冷效果机组安装时建议使用不小于冷风机的铜管规格, 可以在接入冷凝机组时使用变径铜管!
Note: In order to ensure the cooling effect of the unit installation, it is recommended to use copper pipes with specifications not smaller than those of the air cooler. Variable diameter copper pipes can be used when connecting to the condensing unit!

中低温一体机组 Medium Low Temperature Refrigeration Unit



Panasonic

涡旋机组参数 Parameters of scroll condensing unit

机组型号		AOSZS-3HP	AOSZS-4HP	AOSZS-3HP	AOSZS-4HP	AOSZS-5HP	AOSZS-6HP	AOSZS-8HP	AOSZS-10HP	AOSZS-12HP
冷凝出风类型/Condensed air outlet type		侧出风/Side air outlet							顶出风/Top air outlet	
蒸发温度适用范围/制冷剂 Evaporating Temperature/Refrigerant		-30°C~5°C / R22								
电源 Power(V-Ph-Hz)		50Hz,220V			50Hz,380V					
压缩机 Compressor	类型 Type	松下涡旋式压缩机 Panasonic Scroll compressor								
	功率 Capacity(P)	3	4	3	4	5	6	8	10	12
	型号 Model	C-SBR120H15Q	C-SB145H15Q	C-SBR120H38Q	C-SB145H38Q	C-SB180H38Q	C-SB205H38Q	C-SC603H38H	C-SC753H38H	C-SC903H38H
风机参数 Condenser blade and motor parameters	品牌 Brand	东方Orient							海乐HaiLe	
	个数 Number	1	1	1	1	2	2	2	2	2
	功率 Power(W)	130	130	130	130	130	130	130	2X420	2X420
	风量 Air volume(m³/h)	5000	5000	5000	5000	5000X2	5000X2	5000X2	6550X2	6550X2
冷凝器铜管规格 Specification of condenser copper		内螺纹 Internal thread								
冷凝面积 Condensation area(m²)		30	40	30	40	50	60	80	100	200
冷凝器铜管 Condenser copper tube		φ7(25X21.65)	φ9(25X21.65)	φ7(25X21.65)	φ9(25X21.65)	φ7(25X21.65)	φ9(25X21.65)	φ7(21X18.19)	φ9(25X21.65)	φ9(25X21.65)
储液器容积 Reservoir volume (L)		5	5	5	5	8	8	10	10	12
截止阀规格(铜管) Specification for globe valves and welded copper pipes		10+16 螺纹接口 Threaded connection port			10+16 螺纹接口 Threaded connection port	12+19 螺纹接口 Threaded connection port		16+28 焊口 Welding connection port		
库温0~-18°C库存容积 (m³) Recommended cold storage volume for cold storage temperature range of 0~-18 C(m³)		20~50	40~60	20~50	40~60	50~100	60~120	80~140	100~150	120~200
制冷量 (W) cooling capacity	蒸发温度 Evaporating Temperature	测试条件: 回气温度20°C 过冷度OK; 冷凝器温度40°C Test conditions: Return air temperature of 20 °C, subcooling degree of 0K; Condensation temperature 40 °C								
	-30°C	2610	2810	2610	2810	3700	3910	4520	5100	6020
	-15°C	5260	5560	5260	5560	7250	8060	9310	12320	13960
	-5°C	8370	8870	8370	8870	11260	12890	14110	15660	17020
产品尺寸 Product dimensions: length X width X height (mm)		1000×440×825	1000×440×825	1000×440×825	1000×440×825	1000×440×1225	1000×440×1225	1230×490×1350	1344×764×922	1444×764×1022
包装尺寸 Packaging dimensions: length X width X height(mm)		1120x450x955	1120x450x955	1120x450x955	1120x450x955	1120x450x1360	1120x450x1360	1350x490x1510	1530x880x1090	1645x900x1170
安装尺寸 Installation length X width(mm)		725×410	725×410	725×410	725×410	725×410	725×410	690×450	870×725	970×755
噪音 Noise dB(A)		51	51	51	51	53	53	56	56	59
净重 Net weight (kg)		71	75	71	75	90	99	122	/	/
毛重 Gross weight (kg)		78	82	78	82	97	106	130	/	/
节流装置 throttling device		热力膨胀阀 (用户自备) Thermal expansion valve (user provided)								
推荐热力膨胀阀型号 Recommend using the thermal expansion valve model		TEX2 3#	TEX2 4#	TEX2 3#	TEX2 4#	TEX2 6#	TEX2 6#	TGEX7.5	TGEX9	TGEX11
推荐风机型号 Recommended air cooler model		HS401AD03.4	HS402AD04.2	HS401AD03.4	HS402AD04.2	HS402AD06.0	HS402AD06.6	HS403AD09.7	HS404AD11.9	HS404AD13.5

备注: 为了保证制冷效果机组安装时建议使用不小于冷风机的铜管规格, 可以在接入冷凝机组时使用变径铜管!
Note: In order to ensure the cooling effect of the unit installation, it is recommended to use copper pipes with specifications not smaller than those of the air cooler.
Variable diameter copper pipes can be used when connecting to the condensing unit!

中高温一体机组 Medium High Temperature Refrigeration Unit



Panasonic

涡旋机组参数 Parameters of scroll condensing unit

机组型号		AOSGS-3HP	AOSGS-4HP	AOSGS-3HP	AOSGS-4HP	AOSGS-5HP	AOSGS-6HP	AOSGS-8HP	AOSGS-10HP	AOSGS-12HP
冷凝出风类型/Condensed air outlet type		侧出风/Side air outlet							顶出风/Top air outlet	
蒸发温度适用范围/制冷剂 Evaporating Temperature/Refrigerant		-15°C~10°C / R22								
电源 Power(V-Ph-Hz)		50Hz, 220V			50Hz, 380V					
压缩机 Compressor	类型 Type	松下涡旋式压缩机 Panasonic Scroll compressor								
	功率 Capacity(P)	3	4	3	4	5	6	8	10	12
	型号 Model	C-SBR115H15A	C-SB145H15A	C-SBR263H8A	C-SB303H8A	C-SB373H8A	C-SB453H8A	C-SC603H8H	C-SC753H8H	C-SC903H8H
风机参数 Condenser blade and motor parameters	品牌 Brand	东方Orient							海乐HaiLe	
	个数 Number	1	1	1	1	2	2	2	2	2
	功率 Power(W)	130	130	130	130	130	130	130	2X420	2X420
	风量 Air volume(m³/h)	5000	5000	5000	5000	5000X2	5000X2	5000X2	6550X2	6550X2
冷凝器铜管规格 Specification of condenser copper		内螺纹 Internal thread								
冷凝面积 Condensation area(m²)		30	40	30	40	50	60	80	100	200
冷凝器铜管 Condenser copper tube		φ7(25X21.65)	φ9(25X21.65)	φ7(25X21.65)	φ9(25X21.65)	φ7(25X21.65)	φ9(25X21.65)	φ7(21X18.19)	φ9(25X21.65)	φ9(25X21.65)
储液器容积 Reservoir volume (L)		5	5	5	5	8	8	10	10	12
截止阀规格(铜管) Specification for globe valves and welded copper pipes		10+16 螺纹接口 Threaded connection port			10+16 Threaded	螺纹接口 connection port	12+19 螺纹接口 Threaded connection port		16+28 焊口 Welding connection port	
库温0~-18°C库存容积 (m³) Recommended cold storage volume for cold storage temperature range of 0~-18 C(m³)		20~50	40~60	20~50	40~60	50~100	60~120	80~140	100~150	120~200
制冷量 (W) cooling capacity	蒸发温度 Evaporating Temperature	测试条件: 回气温度20°C 过冷度OK; 冷凝器温度40°C Test conditions: Return air temperature of 20 °C, subcooling degree of 0K; Condensation temperature 40 °C								
	-15°C	5126	5740	5126	5740	7150	8370	9315	12310	13960
	0°C	7095	10130	7095	10130	10330	12540	22130	25640	30250
	10°C	8370	12260	8370	12260	14950	18790	33210	38050	44890
产品尺寸 Product dimensions: length X width X height (mm)		1000×440×825	1000×440×825	1000×440×825	1000×440×825	1000×440×1225	1000×440×1225	1230×490×1350	1344×764×922	1444×764×1022
包装尺寸 Packaging dimensions: length X width X height(mm)		1120x450x955	1120x450x955	1120x450x955	1120x450x955	1120x450x1360	1120x450x1360	1350X490X1510	1530X880X1090	1645X900X1170
安装尺寸 Installation length X width(mm)		725×410	725×410	725×410	725×410	725×410	725×410	690×450	870×725	970×755
噪音 Noise dB(A)		51	51	51	51	53	53	56	56	59
净重 Net weight (kg)		71	75	71	75	90	99	122	/	/
毛重 Gross weight (kg)		78	82	78	82	97	106	130	/	/
节流装置 throttling device		热力膨胀阀 (用户自备) Thermal expansion valve (user provided)								
推荐热力膨胀阀型号 Recommend using the thermal expansion valve model		TEX2 3#	TEX2 4#	TEX2 3#	TEX2 4#	TEX2 6#	TEX2 6#	TGEX7.5	TGEX9	TGEX11
推荐风机型号 Recommended air cooler model		HS401AD03.4	HS402AD04.2	HS401AD03.4	HS402AD04.2	HS402AD06.0	HS402AD06.6	HS403AD09.7	HS404AD11.9	HS404AD13.5

备注: 为了保证制冷效果机组安装时建议使用不小于冷风机的铜管规格, 可以在接入冷凝机组时使用变径铜管!
Note: In order to ensure the cooling effect of the unit installation, it is recommended to use copper pipes with specifications not smaller than those of the air cooler.
Variable diameter copper pipes can be used when connecting to the condensing unit!

水冷机组系列 Water cooling unit series



水冷中低温型技术参数 Technical parameters of water-cooled medium and low temperature type

机组型号 Unit Model	机头型号 Compressor Model	功率 KW	制冷量 W	回气 mm	供液 mm	水管 G	供水量 m ³ /h
WZ2BZ2-11	2BZ2-11	1.72	2950	Φ22	Φ10	1	1
WZ2BZ2-13	2BZ2-13	1.97	3360	Φ22	Φ10	1	1
WZ2BZ3-16	2BZ3-16	2.27	4160	Φ22	Φ10	1	1
WZ4BZ3-18	4BZ3-18	2.62	4650	Φ22	Φ10	1-1/2	1.5
WZ4BZ4-23	4BZ4-23	3.32	5860	Φ28	Φ12	1-1/2	2.5
WZ4BZ5-27	4BZ5-27	3.92	6880	Φ28	Φ12	1-1/2	3
WZ4BZ6-32	4BZ6-32	4.68	7880	Φ28	Φ12	1-1/2	3.5
WZ4BZ6-35	4BZ6-35	4.63	9010	Φ28	Φ12	1-1/2	4
WZ4BZ8-41	4BZ8-41	5.71	10990	Φ35	Φ16	1-1/2	4.5
WZ4BZ10-48	4BZ10-48	6.56	12710	Φ35	Φ16	2	5
WZ4BZ12-56	4BZ12-56	7.64	14900	Φ35	Φ16	2	5.5
WZ4BZ15-73	4BZ15-73	9.76	18490	Φ42	Φ22	2	6
WZ4BZ20-84	4BZ20-84	11.42	21500	Φ54	Φ22	2	7.8
WZ4BZ25-101	4BZ25-101	12.61	23400	Φ54	Φ22	2	9
WZ6BZ25-110	6BZ25-110	14.63	27800	Φ54	Φ22	2	12
WZ6BZ30-127	6BZ30-127	17.14	32200	Φ54	Φ22	2	14.5
WZ6BZ40-151	6BZ40-151	21.4	38700	Φ54	Φ22	2	16.8

注: 1、参数基于蒸发温度-25℃, 冷凝温度40℃, 使用R22制冷剂的工况下; 2、当蒸发温度较低时, 须使用CIC喷液及附加冷却。
Note: 1 working conditions for vaporizing temperature at -20℃, condensing temperature at 40℃, with R22 Refrigerant CIC necessary when the vaporizing temperature is low.

水冷中高温型技术参数 Technical Data of water cooled condensing unit with medium & high Temperature Unit

机组型号 Unit Model	机头型号 Compressor Model	功率 KW	制冷量 W	回气 mm	供液 mm	水管 G	供水量 m ³ /h
WG2BG3-11	2BG3-11	2.34	6660	Φ22	Φ10	1-1/2	2
WG2BG3-13	2BG3-13	2.43	7980	Φ22	Φ10	1-1/2	2
WG2BG4-16	4BG4-16	3.42	9800	Φ22	Φ10	1-1/2	2.5
WG4BG5-18	4BG5-18	3.84	11180	Φ22	Φ12	1-1/2	3.3
WG4BG6-23	4BG6-23	4.87	12840	Φ28	Φ12	1-1/2	4
WG4BG7-27	4BG7-27	5.68	16780	Φ28	Φ12	1-1/2	4.8
WG4BG9-32	4BG9-32	6.91	20190	Φ28	Φ16	1-1/2	6.5
WG4BG10-35	4BG10-35	6.87	22190	Φ28	Φ16	1-1/2	6.9
WG4BG12-41	4BG12-41	8.69	26650	Φ35	Φ16	1-1/2	8
WG4BG15-48	4BG15-48	9.78	31750	Φ42	Φ16	1-1/2	9.2
WG4BG20-56	4BG20-56	11.68	36750	Φ42	Φ22	2	12
WG4BG25-73	4BG25-73	14.38	47300	Φ54	Φ22	2	14
WG4BG30-84	4BG30-84	16.91	54300	Φ54	Φ22	2	16.5
WG6BG35-110	6BG35-110	21.6	71180	Φ54	Φ22	2	21.8
WG6BG40-127	6BG40-127	25.4	81580	Φ54	Φ22	2-1/2	24.5
WG4BG50-151	6BG50-151	31.5	96500	Φ54	Φ28	2-1/2	29

注: 1、参数基于蒸发温度-5℃, 冷凝温度40℃, 使用R22制冷剂的工况下;
Note: Working conditions for vaporizing temperature at -5℃, condensing temperature at 40℃, with R22

风冷机组系列 Air cooling unit series



风冷中低温型技术参数 Technical parameters of air-cooled medium and low temperature type

机组型号 Unit Model	机头型号 Compressor Model	功率 KW	制冷量 W	回气 mm	供液 mm	换热面积 m ²
FZ2BZ2-11	2BZ2-11	1.82	80	Φ22	Φ10	28
FZ2BZ2-13	2BZ2-13	2.09	2660	Φ22	Φ10	28
FZ2BZ3-16	2BZ3-16	2.46	3340	Φ22	Φ10	33
FZ4BZ3-18	4BZ3-18	2.88	3770	Φ22	Φ10	33
FZ4BZ4-23	4BZ4-23	3.57	4690	Φ28	Φ12	41
FZ4BZ5-27	4BZ5-27	4.23	5570	Φ28	Φ12	49
FZ4BZ6-32	4BZ6-32	5.01	6160	Φ28	Φ12	60
FZ4BZ6-35	4BZ6-35	4.91	7320	Φ28	Φ12	60
FZ4BZ8-41	4BZ8-41	6.09	9050	Φ35	Φ16	70
FZ4BZ10-48	4BZ10-48	6.91	10500	Φ35	Φ16	80
FZ4BZ12-56	4BZ12-56	8.09	12270	Φ35	Φ16	100
FZ4BZ15-73	4BZ15-73	10.85	15780	Φ42	Φ22	120
FZ4BZ20-84	4BZ20-84	13.14	18330	Φ54	Φ22	150
FZ4BZ25-101	4BZ25-101	15.27	20400	Φ54	Φ22	180
FZ6BZ25-110	6BZ25-110	16.28	23700	Φ54	Φ22	200
FZ6BZ30-127	6BZ30-127	19.71	27500	Φ54	Φ22	240
FZ6BZ40-151	6BZ40-151	23.7	33300	Φ54	Φ22	320

注: 1、参数基于蒸发温度-25℃, 冷凝温度40℃, 使用R22制冷剂的工况下; 2、当蒸发温度较低时, 须使用CIC喷液及附加冷却。
Note: 1 working conditions for vaporizing temperature at -20℃, condensing temperature at 40℃, with R22 Refrigerant CIC necessary when the vaporizing temperature is low.

风冷中高温型技术参数 Technical Data of air cooled condensing unit with medium & high Temperature Unit

机组型号 Unit Model	机头型号 Compressor Model	功率 KW	制冷量 W	回气 mm	供液 mm	换热面积 m ²
FG2BG3-11	2BG3-11	2.61	5670	Φ22	Φ10	33
FG2BG3-13	2BG3-13	2.98	6780	Φ22	Φ10	33
FG2BG4-16	4BG4-16	3.67	8350	Φ22	Φ10	41
FG4BG5-18	4BG5-18	4.12	9640	Φ22	Φ12	49
FG4BG6-23	4BG6-23	5.12	11850	Φ28	Φ12	60
FG4BG7-27	4BG7-27	6.14	14480	Φ28	Φ12	70
FG4BG9-32	4BG9-32	7.5	17500	Φ28	Φ16	80
FG4BG10-35	4BG10-35	7.43	19190	Φ28	Φ16	100
FG4BG12-41	4BG12-41	9.13	23150	Φ35	Φ16	120
FG4BG15-48	4BG15-48	10.45	27700	Φ42	Φ16	140
FG4BG20-56	4BG20-56	13.08	32300	Φ42	Φ22	150
FG4BG25-73	4BG25-73	16.09	42250	Φ54	Φ22	220
FG4BG30-84	4BG30-84	19.02	48500	Φ54	Φ22	280
FG6BG35-110	6BG35-110	24.2	63400	Φ54	Φ22	320
FG6BG40-127	6BG40-127	28.5	72800	Φ54	Φ22	360
FG4BG50-151	6BG50-151	35.4	86300	Φ54	Φ28	400

注: 1、参数基于蒸发温度-5℃, 冷凝温度40℃, 使用R22制冷剂的工况下;
Note: Working conditions for vaporizing temperature at -5℃, condensing temperature at 40℃, with R22