

FEATURE:

- Adopted world class famous compressor for low-temperature refrigeration.
- Environmental-friendly refrigerant R407C,R134A, R410A, etc, no harm to the ozone field and provide excellent cooling effects.
- Options for temperature range: chilled water between -5℃ ~ -30℃ (depending on production needs to adopt different system configurations).
- According to different needs, optional for various of cooling medium(chilled water): ethylene glyco, alcohol, alcohol ternary mixture, etc.; the evaporator can also be designed as anti-corrosive and with calcium chloride water.
- Designed for 24 hours non-stop working condition to provide continuous cold source for all kinds of production processes.
- Cooling system can be built with cold water tank and circulating pump, no need for cooling tower and cooling water pumps-easy installation and maintenance.
- Equipped with various safety devices, providing stable performance with low noise and long life.

LOW TEMPERATURE WATER CHILLER SPECIFICATIONS (T=-10℃)

型号/Model	Unit	XC-L3WL	XC-L5WL	XC-L8WL	XC-L10WL	XC-L12WL	XC-L15WL	XC-L20WL	XC-L25WL	XC-L30WL	XC-L40WL
制冷量/Cooling Capacity	KW	4.5	7.7	11.7	16.1	19.1	23.3	32.2	38.2	46.6	62.5
	Kcal/h	3870	6622	10062	13846	16426	20038	27692	32852	40076	53750
压缩机Compressor	输入功率/Input Power	KW	2.25	3.75	6	7.5	9	11.3	7.5*2	9.4*2	11.3*2
	额定功率/Rated Power	HP	3	5	8	10	12	15	20	25	30
类型/Type		全封闭涡旋式（活塞式）Hermetic Scroll(Piston Type)									
电源Power	输入总功率/Total Input Power	KW	3	4.5	6.75	8.6	10.1	12.8	17.2	21	26.5
	电压/Voltage	3PH~380V 50HZ(200V/220V/415V/460V 50HZ/60HZ)									
类型/Type		壳管式/不锈钢板换Shell And Tube/Plate Heat Exchanger									
蒸发器Evaporator	冷冻水量/Chilled Fluid Flow	m³/h	0.77	1.33	2.01	2.7	3.28	4	5.56	6.57	8.01
	进出水管径/Pipe Diameter	inch	1"	1"	1"	1-1/2"	1-1/2"	2"	2"	2-1/2"	3"
制冷剂Refrigerant	类型/Type	R22(R404A/R507)									
	控制方式/Control Method	外平衡式热力膨胀阀Expansion Valve									
冷凝器Condenser	类型/Type	壳管式冷凝器Shell Condenser									
	水管口径/Pipe Diameter	inch	1-1/2"	1-1/2"	1-1/2"	1-1/2"	1-1/2"	2"	2"	2-1/2"	3"
水泵Pump	功率/Power	KW	0.75	0.75	0.75	1.1	1.1	1.5	2.2	2.2	4
	扬程/Distance	HP	1	1	1	1.5	1.5	2	3	3	5
安全保护 Safety Protection		压缩机过热保护, 过流保护, 高低压保护, 超温保护, 流量保护, 相序缺相保护, 排气过热保护, 防冻保护, High and Low Pressure Protection, Overload Protection, Over Temperature Protection, Phase Sequence Protection, etc.									
外形尺寸/Dimensions(L*W*H)		mm	995*650*696	980*540*986	1270*650*1413	1270*650*1413	1270*650*1413	1270*750*1413	1880*880*1650	2050*1000*1730	2150*1080*1950
运行重量/Weight		KG	130	150	300	430	500	735	820	900	1150
运行重量/Weight		KG	135	175	310	450	530	750	835	920	1080

Notice:
1. Cooling Capacity is calculated based on: inlet/outlet chilled fluid temperature: -5℃/-10℃, inlet/outlet cooling water temperature: 25℃/30℃.
2. Working condition: Chilled fluid temperature: from -5℃ to 10℃, inlet/outlet chilled fluid temperature difference: from 3℃ to 8℃.
3. Cooling water temperature: from 18℃ to 35℃, inlet/outlet cooling water temperature difference: from 3.5℃ to 10℃.
We reserve the right to modify above information without prior notice.

LOW TEMPERATURE WATER CHILLER SPECIFICATIONS (T=-25℃)

型号/Model	Unit	XC-L3WL	XC-L5WL	XC-L8WL	XC-L10WL	XC-L12WL	XC-L15WL	XC-L20WL	XC-L25WL	XC-L30WL	XC-L40WL
制冷量/Cooling Capacity	KW	1.77	2.67	5.64	7.66	8	8.26	13.32	16.71	19.63	24.8
	Kcal/h	1521	2295	4849	6586	6880	7102	11452	14367	16877	21323
压缩机Compressor	输入功率/Input Power	KW	2.25	3.75	6	7.5	9	11.25	15	18.75	22.5
	额定功率/Rated Power	HP	3	5	8	10	12	15	20	25	30
类型/Type		全封闭涡旋式（活塞式）Hermetic Scroll(Piston Type)									
电源Power	输入总功率/Total Input Power	KW	3	4.5	6.75	8.6	10.1	12.75	17.2	20.9	26.5
	电压/Voltage	3PH~380V 50HZ(200V/220V/415V/460V 50HZ/60HZ)									
类型/Type		壳管式/不锈钢板换Shell And Tube/Plate Heat Exchanger									
蒸发器Evaporator	冷冻水量/Chilled Fluid Flow	m³/h	0.86	1.29	2.73	3.7	3.87	3.99	6.44	8.07	9.49
	进出水管径/Pipe Diameter	inch	1"	1"	1-1/2"	1-1/2"	1-1/2"	2"	2"	2-1/2"	3"
制冷剂Refrigerant	类型/Type	R22(R404A/R507)									
	控制方式/Control Method	外平衡式热力膨胀阀Expansion Valve									
冷凝器Condenser	类型/Type	壳管式冷凝器Shell Condenser									
	水管口径/Pipe Diameter	inch	1-1/2"	1-1/2"	1-1/2"	1-1/2"	1-1/2"	2"	2"	2-1/2"	3"
水泵Pump	功率/Power	KW	0.75	0.75	0.75	1.1	1.1	1.5	2.2	2.2	4
	扬程/Distance	HP	1	1	1	1.5	1.5	2	3	3	5
安全保护 Safety Protection		压缩机过热保护, 过流保护, 高低压保护, 超温保护, 流量保护, 相序缺相保护, 排气过热保护, 防冻保护, High and Low Pressure Protection, Overload Protection, Over Temperature Protection, Phase Sequence Protection, etc.									
外形尺寸/Dimensions(L*W*H)		mm	995*650*696	980*540*986	1270*650*1413	1270*650*1413	1270*650*1413	1270*750*1413	1880*880*1650	2050*1000*1730	2150*1080*1950
运行重量/Weight		KG	130	150	300	430	500	735	820	900	1150

Notice:
1. Cooling Capacity is calculated based on: inlet/outlet chilled fluid temperature: -20℃/-25℃, inlet/outlet cooling water temperature: 25℃/30℃.
2. Working condition: Chilled fluid temperature: from -25℃ to -5℃, inlet/outlet chilled fluid temperature difference: from 3℃ to 8℃.
3. Cooling water temperature: from 18℃ to 35℃, inlet/outlet cooling water temperature difference: from 3.5℃ to 10℃.
We reserve the right to modify above information without prior notice.

LOW TEMPERATURE AIR COOLED CHILLER SPECIFICATIONS (T=-10℃)

型号/Model	Unit	XC-LF3AL	XC-LF5AL	XC-LF8AL	XC-LF10AL	XC-LF12AL	XC-LF15AL	XC-LF20AL	XC-LF25AL	XC-LF30AL	XC-LF40AL
制冷量/Cooling Capacity	KW	2.92	4.68	7.83	10.98	13.59	16.47	21.96	23.4	27.18	34.2
	Kcal/h	2514	4023	6732	9440	11684	14160	18881	20119	23369	29405
压缩机Compressor	输入功率/Input Power	KW	2.25	3.75	6	7.5	9	11.25	15	18	22.5
	额定功率/Rated Power	HP	3	5	8	10	12	15	20	25	30
类型/Type		全封闭涡旋式（活塞式）Hermetic Scroll(Piston Type)									
电源Power	输入总功率/Total Input Power	KW	3.18	4.86	7.25	9.4	10.9	13.47	18.8	22.55	28.5
	电压/Voltage	3PH~380V 50HZ(200V/220V/415V/460V 50HZ/60HZ)									
类型/Type		壳管式/不锈钢板换Shell And Tube/Plate Heat Exchanger									
蒸发器Evaporator	冷冻水量/Chilled Fluid Flow	m³/h	1.41	2.26	3.78	5.31	6.57	7.96	10.61	11.31	13.13
	进出水管径/Pipe Diameter	inch	1"	1"	1-1/2"	1-1/2"	1-1/2"	2"	2"	2-1/2"	3"
制冷剂Refrigerant	类型/Type	R22(R404A/R507)									
	控制方式/Control Method	外平衡式热力膨胀阀Expansion Valve									
冷凝器Condenser	类型/Type	高效紫铜管套铝翅片式-低噪音外转子风机Finned Copper Tube+Low Noise Outer rotor Fan									
	功率/Power	KW	0.75	0.75	0.75	1.1	1.1	1.5	2.2	2.2	4
水泵Pump	扬程/Distance	HP	1	1	1	1.5	1.5	2	3	3	5
	扬程/Distance	m	20	20	20	20	20	20	20	20	25
安全保护 Safety Protection		压缩机过热保护, 过流保护, 高低压保护, 超温保护, 流量保护, 相序缺相保护, 排气过热保护, 防冻保护, High and Low Pressure Protection, Overload Protection, Over Temperature Protection, Phase Sequence Protection, etc.									
外形尺寸/Dimensions(L*W*H)		mm	1020*630*1026	1340*630*1046	1550*830*1508	1550*830*1508	1550*830*1508	1850*1000*1600	2150*1000*1780	2400*1150*1800	2600*1150*1900
运行重量/Weight		KG	135	175	310	450	530	750	835	920	1080

Note: 1. Nominal cooling capacity calculated according to: Inlet/outlet chilled fluid temperature: -5℃/-10℃, Inlet/outlet cooling air temperature: 30℃/38℃.
2. Working condition:
The temperature range of chilled fluid is from -10℃ to 10℃, Temperature difference between inlet and outlet chilled fluid is from 3℃ to 8℃.
It is better to run the chiller while the ambient temperature is at or below 35℃.
We reserve the right to modify the above information without further notice.

LOW TEMPERATURE AIR COOLED CHILLER SPECIFICATIONS (T=-25℃)

型号/Model	Unit	XC-LF3AL	XC-LF5AL	XC-LF8AL	XC-LF10AL	XC-LF12AL	XC-LF15AL	XC-LF20AL	XC-LF25AL	XC-LF30AL	XC-LF40AL
制冷量/Cooling Capacity	KW	1.17	1.84	3.85	5.41	5.8	6.03	10.03	12.29	14.46	18.45
	Kcal/h	1005	1584	3310	4651	4998	5184	8629	10570	12435	15963
压缩机Compressor	输入功率/Input Power	KW	2.25	3.75	6	7.5	4.5*2	11.25	15	18.75	22.5
	额定功率/Rated Power	HP	3	5	8	10	12	15	20	25	30
类型/Type		全封闭涡旋式（活塞式）Hermetic Scroll(Piston Type)									
电源Power	输入总功率/Total Input Power	KW	3.18	4.86	7.25	9.4	10.9	13.47	18.8	22.55	28.5
	电压/Voltage	3PH~380V 50HZ(200V/220V/415V/460V 50HZ/60HZ)									
类型/Type		壳管式/不锈钢板换Shell And Tube/Plate Heat Exchanger									
蒸发器Evaporator	冷冻水量/Chilled Fluid Flow	m³/h	0.57	0.89	1.86	2.61	2.8	2.91	4.85	5.94	6.99
	进出水管径/Pipe Diameter	inch	1"	1"	1-1/2"	1-1/2"	1-1/2"	2"	2"	2-1/2"	3"
制冷剂Refrigerant	类型/Type	R22(R404A/R507)									
	控制方式/Control Method	外平衡式热力膨胀阀Expansion Valve									
冷凝器Condenser	类型/Type	高效紫铜管套铝翅片式-低噪音外转子风机Finned Copper Tube+Low Noise Outer rotor Fan									
	功率/Power	KW	0.75	0.75	0.75	1.1	1.1	1.5	2.2	2.2	4
水泵Pump	扬程/Distance	HP	1	1	1	1.5	1.5	2	3	3	5
	扬程/Distance	m	18	18	18	20	20	20	20	20	25
安全保护 Safety Protection		压缩机过热保护, 过流保护, 高低压保护, 超温保护, 流量保护, 相序缺相保护, 排气过热保护, 防冻保护, High and Low Pressure Protection, Overload Protection, Over Temperature Protection, Phase Sequence Protection, etc.									
外形尺寸/Dimensions(L*W*H)		mm	1020*630*1073	1340*630*1046	1550*830*1508	1550*830*1508	1550*830*1508	1850*1000*1600	2150*1000*1780	2400*1150*1800	2600*1150*1900
运行重量/Weight		KG	135	175	310	450	530	750	835	920	1080

Note: 1. Nominal cooling capacity calculated according to: Inlet/outlet chilled fluid temperature: -20℃/-25℃, Inlet/outlet cooling air temperature: 30℃/38℃.
2. Working condition:
The temperature range of chilled fluid is from -25℃ to -5℃, Temperature difference between inlet and outlet chilled fluid is from 3℃ to 8℃.
It is better to run the chiller while the ambient temperature is at or below 35℃.
We reserve the right to modify the above information without further notice.