



Velluto



CHILLERS

Commercial and Industrial HVAC Equipment

Velluto

Standard High-efficiency Equipment



Air Cooled Screw Chiller

Cooling Capacity Range: 80~4000Kw
Chilled water Temp: 5°C~20°C
Refrigerant: R407c, R134a, R1234ze, R404a



Air Cooled Scroll Chiller

Cooling Capacity Range: 10Kw~1000Kw
Chilled water Temp: 5°C~20°C
Refrigerant: R410a, R134a, R1234ze, R1234yf



Water Cooled Screw Chiller

Cooling Capacity Range: 80Kw~4000Kw
Chilled water Temp: 5°C~20°C
Refrigerant: R407c, R134a, R1234ze, R404a



Water Cooled Scroll Chiller

Cooling Capacity Range: 10Kw~1000Kw
Chilled water Temp: 5°C~20°C
Refrigerant: R410a, R134a, R1234ze, R1234yf



Screw Air Source Heat Pump

Heating Range: 80~4000Kw
Hot water Temp range: 45°C~95°C
Refrigerant: R134a, R407c, R1234ze



Scroll Air Source Heat Pump

Heating Range: 10Kw~1000Kw
Hot water Temp range: 45°C~95°C
Refrigerant: R410a, R134a, R1234ze



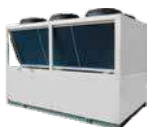
Screw Water Source Heat Pump

Heating Range: 100Kw~3000Kw
Hot water Temp range: 45°C~95°C
Refrigerant: R407c, R134a, R1234ze



Scroll Water Source Heat Pump

Heating Range: 20Kw~1000Kw
Hot water Temp range: 40°C~70°C
Refrigerant: R410a, R134a, R1234ze



Air-cooled Magnetic Oil Free Centrifugal Chiller

Rated Cooling Capacity: 80TON~500TON
Chilled water outlet temperature range: 5~20°C



Water-cooled Magnetic Oil-Free Centrifugal Chiller

Cooling Capacity Range: 100TON~1000TON
Chilled water outlet temperature range: 5~20°C



Centrifugal Water-cooled Chiller

Cooling Capacity Range: 450TON~2000TON
Chilled water outlet temperature range: 5~20°C



Falling Film Water Cooled Chiller

Cooling Capacity Range: 443KW~2111KW
Chilled water outlet temperature range: 5~20°C

Industrial Chiller



Ice Storage Chiller

Cooling Capacity Range: 15KW~4000KW
Chilled water outlet temperature range: -8°C~12°C



Heat Recovery Industrial Chiller

Cooling Capacity Range: 120KW~4003KW
Chilled water outlet temperature range: 5~20°C



Integrated Package Chiller

Cooling Capacity Range: 100~6000Kw
Inlet and Outlet Temperature: 1°C~20°C



Industrial Water Cooled Scroll Chiller(Box Type)

Cooling Capacity Range: 10.2KW~156KW
Chilled water outlet temperature range: 5~20°C



Water-cooled Scroll Inverter Chiller

Cooling Capacity Range: 92KW~1526KW
Chilled water outlet temperature range: 5~20°C



Air Cooled Integrated Chiller

Cooling Capacity Range: 15KW~150KW
Chilled water outlet temperature range: 5~20°C



Air-Cooled Scroll Industrial Chiller

Cooling Capacity Range: 120KW~4003KW
Chilled water outlet temperature range: 5~20°C



Air cooled Screw industrial chiller

Cooling Capacity Range: 148KW~920KW
Chilled water outlet temperature range: 5~20°C

Industrial Refrigeration Cooling Equipment

Velluto

Low Temperature Chiller / Glycol Chiller



◆ **Water-cooled Screw Low Temperature Chiller**
Cooling Capacity Range: 17KW~2369KW
Chilled water outlet temperature range: 10~-35°C



◆ **Two-stage Compression Condensing Unit**
Cooling Capacity Range: 76KW~363KW
Min. Evaporation Temperature: -45°C



◆ **Condensing Unit**
Cooling Capacity Range: 17KW~2218KW
Min. Evaporation Temperature: -10°C~-40°C



◆ **Evaporative Condenser**
Heat Exchange Capacity Range: 224KW~1770KW



◆ **Single-stage Compression Condensing Unit**
Cooling Capacity Range: 30KW~5117KW
Min. Evaporation Temperature: -40°C



◆ **Flooded Type Low Temperature Chiller**
Cooling Capacity Range: 229KW~1625KW
Chilled water outlet temperature range: 10~-15°C



◆ **Compressor Set Unit**
Cooling Capacity Range: 293KW~5117KW
Min. Evaporation Temperature: -40°C

Cold Chain Equipment



◆ **Parallel Condensing Unit**
Cooling Capacity Range: 26KW~1150KW
Min. Evaporation Temperature: -45°C



◆ **Condensing Unit**
Cooling Capacity Range: 17KW~2218KW
Min. Evaporation Temperature: -40°C



◆ **Compressor Set Unit**
Cooling Capacity Range: 56KW~847KW
Min. Evaporation Temperature: -45°C



◆ **Cold Room Evaporator**
Heat Exchange Capacity Range: 0.35KW~101KW



◆ **Semi-closed Piston Compression Condensing Unit**
Cooling Capacity Range: 14KW~76KW
Min. Evaporation Temperature: -20°C



◆ **Parallel Piston Compression Condensing Unit**
Cooling Capacity Range: 56KW~847KW
Min. Evaporation Temperature: -45°C



◆ **Fully Closed Piston Compression Condensing Unit**
Cooling Capacity Range: 8KW~20KW
Min. Evaporation Temperature: -20°C



◆ **Air-cooled Condenser**
Heat Exchange Capacity Range: 9.34KW~1611KW

Heat Pump

Velluto

Standard Products



- **Water Source high temperature Heat Pump**
Heating Capacity Range: 100KW~2111KW
Hot Water Max. Outlet Temperature: 90~120°C



- **Cold Recovery / Intelligent Hot Water Unit**
Heating Capacity Range: 25.3KW~908.8KW
Hot Water Max. Outlet Temperature: 55°C



- **Air Source High Temperature Intelligent Heat Pump**
Heating Capacity Range: 25KW~1000KW
Hot Water Max. Outlet Temperature: 90~120°C



- **Water Source Heat Pump Unit**
Cooling capacity of air conditioning mode: 15.2KW~336KW
Hot water mode heating capacity: 16.6KW~336.7KW
Heating mode cooling capacity: 17.3KW~360.6KW
Chilled water outlet temperature range: 5~20°C
Hot water outlet temperature: 55°C

Energy-saving Heat Pump



- **90 °C High Temp. Heat Pump**
Heating Capacity Range: 80KW~2111KW
Hot Water Outlet Temperature Range: 65~90°C



- **120 °C High Temp. Heat Pump**
Heating Capacity Range: 300KW~1000KW
Hot Water Outlet Temperature Range: 90~125°C

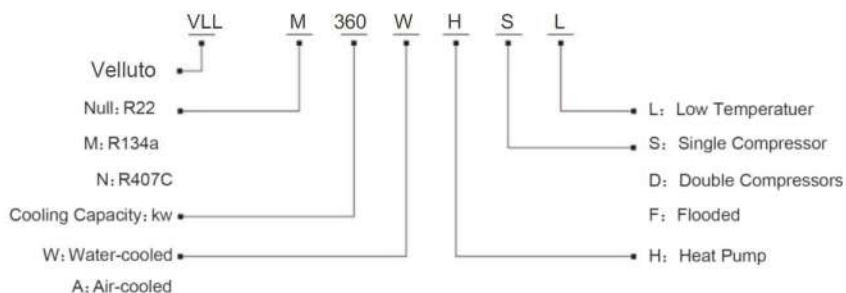


- **R1234ze Heat Pump**
Cooling Capacity Range: 10KW~2000KW
Chilled water outlet temperature range: 6~20°C
Heating Capacity Range: 15KW~2110KW
Hot Water Outlet Temperature Range: 45~85°C
Ambient Temperature Range: -35~53°C
Chilled Water Temp.: 5~35°C

Water-cooled Screw Chiller



Water-cooled Screw chiller Model Name:



In Addition to the Specifications Listed in the Parameter Table, if You Need Other Customized Units Such As Cooling Capacity, Outlet Temperature, Refrigerant, Etc., Please Contact Our Sales Department for More Technical Support.

Top Brand Components Ensure Your Top Quality Chiller



Compressor:

- Adopts Famous Bitzer compressor, Hanbell Compressor, Fusheng, Copeland Compressor;
- Compressor Energy Efficiency is 20%~30% higher;
- Screw Compressor has Approved ISO9001, CRAA、CE、PED、UL Certification;



PLC Programmed Controller:

- SIEMENS PLC Programmable LCD Touch Controller
- Customize Display Language: Chinese, English, Russian, Spanish;
- Automatic Detection of Cold Water Outlet Temperature and Operating Conditions;
- Can Realize Remote Control and Central Monitoring;
- Reserve RS-485 Communication Interface, or Ethernet Port;
- Can Add Refrigeration Pumps, Cooling Pumps, and Process Pumps Control Points;



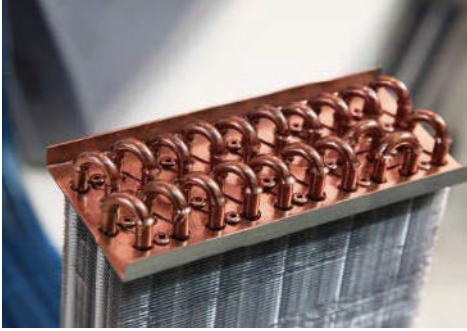
Heat Exchangers:

- High-efficiency Shell and Tube Heat Exchanger;
- Wide Circulation Cross Section, and Easy to Clean Incrustation;
- Low Maintenance Cost, Easy Operation, Long Cleaning Cycle and Convenient Cleaning;
- All Ranges of Specifications to Meet Requirements;
- Fast Heat Exchange Speed, High Temperature Resistance 400°C, High Pressure Resistance 2.5Mpa;
- Long Service Life, Up to More Than 20 Years;

Top Brand Components Ensure Your Top Quality Chiller

High-Efficiency Copper and Aluminum Fins Condenser:

- Heat Transfer Performance is Good, Stable, Air Resistance is Small.
- Enhance the Efficiency of the Heat Exchanging.



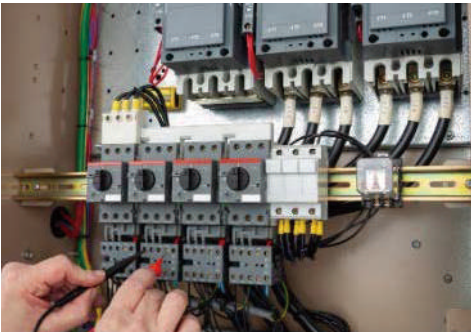
Brand Refrigeration Components:

- Famous Brand Expansion Valve; Brand Filter Drier.
- Has Electronic Expansion Valve Or Thermoexpansion Valve.
- Ensure the Stable Operation of the Industrial Water Chiller Unit.



Top Quality Electrical Components:

- Famous Brand A.C Contactor, Relay, Thermal Protector,
- Brand Pressure Controller, Filter Drier to Ensure the Reliability of the Industrial Water Chiller Unit



Water-cooled Screw Chiller 12/7°C (Single)

Model		100WS	135WS	180WS	195WS	235WS	260WS	305WS	320WS	350WS	385WS	
Cooling Capacity	KW	100	135	180	195	235	260	305	320	350	385	
	10' Kc a 1 / h	8. 6	11. 6	15. 5	16 .8	20. 3	22. 4	26. 3	27. 6	30, 2	33. 2	
Control		PLC Programmable Controller										
Power Supply		380V/ 3N / 50H z										
Compres sor	Type	5- 6 Asymmetric Semi-hermetic Twin Screw Compressor										
			1									
	Starting	Y - Δ Starting										
	Running Loading	0- 33- 66- 100%				0- 25%- 5 0%- 75%- 100 %						
	Cooling Power	kW	22. 6	29.8	37.3	41	49. 9	54. 3	61. 1	64. 3	70, 8	78
	Cooling Current	A	39. 3	51.9	64.9	71.3	86. 8	94. 5	10 6. 3	111. 9	123. 2	135. 7
	Evaporat or	Type	Horizontal Shell and Tube Dry Evaporator									
Flow Rate		m³/ h	1 7. 2	23. 2	31	33. 6	40, 6	44. 8	52. 6	55. 2	60, 4	66. 4
Pipe Diameter		DN	DN65		DN80		DN100				DN125	
Pressure Drop		kPa	48	48	50	50	50	52	54	55	55	58
Condens er	Type	Horizontal Shell and Tube Dry Evaporator										
	Flow Rate	m³/ h	21.5	29	38.7	41.9	50.5	55.9	65.6	68.8	75.3	82.8
	Pipe Diameter	DN	DN65		DN80		DN100				DN125	
	Pressure Drop	kPa	46	46	47	47	48	49	51	53	53	56
Refrigera nt	Type	R22										
	Refrigerant Charge	kg	20	27	36	39	47	52	61	64	70	77
Diament	Length	mm	2100	2360	2450	2860	2860	2860	2860	2860	2860	3225
	Width	mm	700	700	900	900	900	900	900	900	900	900
	Height	mm	1410	1520	1580	1600	1720	1745	1745	1770	1880	1960
Weight		kg	850	1050	1270	1340	1640	1680	1720	1750	2080	2300
Running Weight		kg	900	1150	1420	1540	1890	1940	1990	2050	2330	2550

Remark:

- Above mentioned cooling working condition: inlet chilled water temperature: 12°C, outlet chilled water temperature: 7°C. The environment temperature is 35°C.
- Evaporator water pressure 1.9MPa.
- Evaporator scaling factor 0.018m°C/KW, condenser scaling factor 0.044m°C/KW.
- Input power:3P-380V-50HZ.Allowable fluctuate voltage:± 10%,allowable voltage difference in phase:±2%.
- The data maybe changed a little by the engineers according to the actual condition.

Water-cooled Screw Chiller 12/7°C (Single)

Model		420WS	500WS	530WS	570WS	610WS	635WS	740WS	815WS	865WS	965WS	
Cooling Capacity	KW	420	500	530	570	610	635	740	815	865	965	
	10' Kc a 1 / h	36	43	46	49	53	55	64	70	75	83	
Control		PLC Programmable Controller										
Power Supply		380V/ 3N / 50H z										
Compressor	Type	5- 6 Asymmetric Semi-hermetic Twin Screw Compressor										
			1									
	Starting	Y - Δ Starting										
	Running Loading	0- 25%- 5 0%- 75%- 100 %										
	Cooling Power	kW	84. 1	99. 7	105 . 2	114	122. 8	126. 7	147 . 5	162	172	193 . 4
	Cooling Current	A	146. 3	173 . 5	183	198. 4	213. 7	220. 5	256. 7	281.9	299. 3	336. 5
Evaporator	Type	Horizontal Shell and Tube Dry Evaporator										
	Flow Rate	m³/ h	72	86	92	98	106	110	128	140	150	
	Pipe Diameter	DN	DN125			DN150						
	Pressure Drop	kPa	60	62	67	68	68	69	69	70	70	70
Condenser	Type	Horizontal Shell and Tube Dry Evaporator										
	Flow Rate	m³/ h	90. 3	107 . 5	114	122. 6	131. 2	136. 5	159. 1	175.2	186	207 . 5
	Pipe Diameter	DN	DN125			DN150						
	Pressure Drop	kPa	56	60	65	65	67	67	68	68	68	68
Refrigerant	Type	R22										
	Refrigerant Charge	kg	84	100	105	113	121	126	147	162	172	192
Diamant	Length	mm	3225	3225	3505	3605	3605	3720	3720	3930	3930	4230
	Width	mm	900	900	900	900	900	1100	1100	1100	1100	1100
	Height	mm	1960	2010	2010	2080	2110	2110	2110	2110	2150	2150
Weight		kg	2570	2850	2900	3100	3450	3600	3850	4050	4230	5150
Running Weight		kg	3950	3000	3200	3450	3750	3900	4180	4450	4600	5650

Remark:

- Above mentioned cooling working condition: inlet chilled water temperature: 12°C, outlet chilled water temperature: 7°C. The environment temperature is 35°C.
- Evaporator water pressure 1.9MPa.
- Evaporator scaling factor 0.018m°C/KW, condenser scaling factor 0.044m°C/KW.
- Input power:3P-380V-50HZ.Allowable fluctuate voltage:± 10%,allowable voltage difference in phase:±2%.
- The data maybe changed a little by the engineers according to the actual condition.

Water-cooled Screw Chiller 12/7°C (Double)

Model		200WD	270WD	360WD	390WD	470WD	520WD	610WD	640WD	700WD	770WD	
Cooling Capacity	KW	200	270	360	390	470	520	610	640	700	770	
	10' Kc a 1 / h	17.2	23.3	31	34	40.5	44.8	52.6	55.2	60	66	
Control		PLC Programmable Controller										
Power Supply		380V/ 3N / 50H z										
Compres sor	Type	5- 6 Asymmetric Semi-hermetic Twin Screw Compressor										
		1										
	Starting	Y - Δ Starting										
	Running Loading	0- 16. 5- 33- 50- 66- 83. 5- 100%				0- 12. 5- 25- 37. 5- 50- 62. 5- 75- 87. 5- 100%						
	Cooling Power	kW	45.2	60	75	82	99.8	108.6	122.2	128.6	141.6	156
	Cooling Current	A	78.6	103.7	129.8	142.7	173.7	189	212.6	223.8	246.4	271.4
Evaporat or	Type	Horizontal Shell and Tube Dry Evaporator										
	Flow Rate	m³/ h	34.4	46.6	62	68	81	89.6	105.2	110.4	120	132
	Pipe Diameter	DN	DN80			DN125						
	Pressure Drop	kPa	50	52	52	53	54	55	55	55	60	68
Condens er	Type	Horizontal Shell and Tube Dry Evaporator										
	Flow Rate	m³/ h	43	58.1	77.4	83.9	101.1	111.8	131.2	137.6	150.5	165.6
	Pipe Diameter	DN	DN65 X 2			DN100 X 2						
	Pressure Drop	kPa	45	45	45	47	50	52	53	55	58	60
Refriger ant	Type	R22										
	Refrigerant Charge	kg	40	54	72	78	94	103	121	127	139	153
Diament	Length	mm	3370	3370	3470	3470	3500	3500	3500	3600	3780	3780
	Width	mm	900	900	1100	1100	1300	1300	1300	1300	1300	1300
	Height	mm	1440	1440	1530	1580	1760	1780	1820	1875	1970	1980
Weight		kg	1650	1850	2300	2400	2800	3000	3100	3200	4000	4500
Running Weight		kg	1900	2150	2550	2750	3350	3550	3600	3750	4450	4950

Remark:

- Above mentioned cooling working condition: inlet chilled water temperature: 12°C, outlet chilled water temperature: 7°C. The environment temperature is 35°C.
- Evaporator water pressure 1.9MPa.
- Evaporator scaling factor 0.018m°C/KW, condenser scaling factor 0.044m°C/KW.
- Input power:3P-380V-50HZ.Allowable fluctuate voltage:± 10%,allowable voltage difference in phase:±2%.
- The data maybe changed a little by the engineers according to the actual condition.

Water-cooled Screw Chiller 12/7°C (Double)

Model			840WD	1000WD	1060WD	1140WD	1220WD	1270WD	1480WD	1630WD	1730WD	1930WD
Cooling Capacity	KW		840	1000	1060	1140	1220	1270	1480	1630	1730	1930
	10' Kc a 1 / h		72	86	91	98	105	109	128	141	149	166
Control			PLC Programmable Controller									
Power Supply			380V/ 3N / 50H z									
Compressor	Type		5- 6 Asymmetric Semi-hermetic Twin Screw Compressor									
			2									
	Starting		Y - Δ Starting									
	Running Loading		0- 12. 5- 25- 37. 5- 50- 62. 5- 75- 87. 5- 100%									
	Cooling Power	kW	168. 2	199. 4	210. 4	228	245. 6	253. 4	295	324	344	386. 8
	Cooling Current	A	292. 7	347	366. 1	396. 7	427. 3	440. 9	513. 3	563. 8	598. 6	673
Evaporator	Type		Horizontal Shell and Tube Dry Evaporator									
	Flow Rate	m³/ h	144	172	182	196	210	218	256	282	298	332
	Pipe Diameter	DN	DN150	DN200								
	Pressure Drop	kPa	70	70	72	72	73	73	73	73	74	74
Condenser	Type		Horizontal Shell and Tube Dry Evaporator									
	Flow Rate	m³/ h	18 0. 6	215	227. 9	245. 1	262. 3	273. 1	318. 2	350. 5	372	415
	Pipe Diameter	DN	DN125 X 2			DN150 X 2						
	Pressure Drop	kPa	65	65	70	72	73	73	73	73	76	76
Refrigerant	Type		R22									
	Refrigerant Charge	kg	167	199	211	227	243	253	295	324	344	384
Diamant	Length	mm	3895	3890	3890	3890	3890	3950	4080	4200	4200	4350
	Width	mm	1300	1300	1500	1500	1500	1500	1500	1500	1500	1500
	Height	mm	2050	2050	2230	2230	2260	2260	2280	2280	2280	2280
Weight		kg	5300	6000	6300	7000	7300	7600	8100	8300	8400	9200
Running Weight		kg	6050	6600	6800	7550	7850	8050	8600	8900	9000	9800

Remark:

- Above mentioned cooling working condition: inlet chilled water temperature: 12°C, outlet chilled water temperature: 7°C. The environment temperature is 35°C.
- Evaporator water pressure 1.9MPa.
- Evaporator scaling factor 0.018m²/KW, condenser scaling factor 0.044m²/KW.
- Input power:3P-380V-50HZ.Allowable fluctuate voltage:± 10%,allowable voltage difference in phase:±2%.
- The data maybe changed a little by the engineers according to the actual condition.

Water-cooled Screw Chiller (-5°C)

Model			60WST	82 /IST	110WST	120WST	145WS	T 160WST	190WST	200WST	220WST	240.WST	
Cooling Capacity	KW	60	82	110	120	145	160	190	200	220	240		
	10' Kc a 1 / h	44318	44378	9	10.3	44535	13.8	16.4	17	18.9	20.7		
Control		PLC Programmable Controller											
Power Supply		380V/ 3N / 50H z											
Compres sor	Type		5- 6 Asymmetric Semi-hermetic Twin Screw Compressor										
			1										
	Starting		Y - Δ Starting										
	Running Loading		0- 33- 66- 100%				0- 25%- 5 0%- 75%- 100 %						
	Cooling Power	kW	21	27.7	34.7	38	46.3	50.4	56.8	59.7	65.8	71.8	
	Cooling Current	A	36.5	48.2	60.4	66.1	80.6	87.7	98.8	103.9	114.5	124.9	
Evaporat or	Type		Horizontal Shell and Tube Dry Evaporator										
	Flow Rate	m³/ h	13	17.8	22.5	25.8	31.3	34.5	41	42.5	47.3	51.8	
	Pipe Diameter	DN	DN65				DN80				DN100		
	Pressure Drop	kPa	46	46	48	53	56	57	58	65	68	68	
Condens er	Type		Horizontal Shell and Tube Dry Evaporator										
	Flow Rate	m³/ h	16	21.7	28.6	31.3	37.9	41.6	48.9	51.4	56.6	61.7	
	Pipe Diameter	DN	DN65				DN80				DN100		
	Pressure Drop	kPa	45	46	2.14	52	55	56	60	66	69	70	
Refrigera nt	Type		R22										
	Refrigerant Charge	kg	17	23	31	34	41	45	54	57	63	68	
Diament	Length	mm	2455	2500	2595	2860	2860	2860	2860	2860	2860	3225	
	Width	mm	900	900	900	900	900	900	900	900	900	900	
	Height	mm	1390	1410	1570	1590	1590	1630	1690	1770	1880	1960	
Weight		kg	850	1050	1.270	1340	1640	1680	1720	1750	2080	2300	
Running Weight		kg	900	1150	1420	1540	1890	1940	1990	2050	2330	2550	

Remark:

- Above mentioned cooling working condition: inlet chilled secondary refrigerant temperature: -1°C, outlet chilled secondary refrigerant temperature: -5°C. The environment temperature is 35°C.
- Secondary refrigerant adopts 25% Ethylene Glycol or 19% Calcium chloride aqueous solution.
- Evaporator water pressure 1.0MPa.
- Evaporator scaling factor 0.018m°C/KW, condenser scaling factor 0.044m°C/KW.
- Input power:3P-380V-50HZ.Allowable fluctuate voltage:± 10%,allowable voltage difference in phase:±2%.
- The data maybe changed a little by the engineers according to the actual condition.

Water-cooled Screw Chiller (-5°C)

Model			260WST	305WST	320WST	350WST	380WS	T 395WST	455WST	505WST	535WST	600WST
Cooling Capacity	KW		260	305	320	350	380	395	455	505	535	600
	10' Kc a 1 / h		22	26	28	30	33	34	39	43	46	52
Control			PLC Programmable Controller									
Power Supply			380V/ 3N / 50H z									
Compress or	Type		5- 6 Asymmetric Semi-hermetic Twin Screw Compressor									
			1									
	Starting		Y - Δ Starting									
	Running Loading		0- 25%- 50%- 75%- 100%									
	Cooling Power	kW	79.8	92.7	97.8	106	114.1	117.8	135.7	150.5	159.8	179.7
	Cooling Current	A	138.9	161.3	170.2	184.4	198.5	205	236.1	261.9	278.1	312.7
Evaporat or	Type		Horizontal Shell and Tube Dry Evaporator									
	Flow Rate	m³/ h	55	65	70	75	82.5	85	97.5	107.5	115	130
	Pipe Diameter	DN	DN100	DN125							DN150	
	Pressure Drop	kPa	70	70	73	73	74	74	74	74	74	75
Condense r	Type		Horizontal Shell and Tube Dry Evaporator									
	Flow Rate	m³/ h	67.3	78.7	82.7	90.3	97.8	101.5	116.9	129.7	137.5	154.3
	Pipe Diameter	DN	DN100	DN125						DN150		
	Pressure Drop	kPa	72	72	72	73	73	73	73	74	74	74
Refrigera nt	Type		R22									
	Refrigerant Charge	kg	74	87	91	100	108	112	129	144	152	171
Diament	Length	mm	3225	3225	3505	3605	3605	3720	3720	3930	3930	4230
	Width	mm	900	900	900	900	900	1100	1100	1100	1100	1100
	Height	mm	1960	2010	2010	2080	2110	2110	2110	2110	2150	2150
Weight		kg	2570	2850	2900	3100	3450	3600	3850	4050	4230	5150
Running Weight		kg	3950	3000	3200	3450	3750	3900	4180	4450	4600	5650

Remark:

1. Above mentioned cooling working condition: inlet chilled secondary refrigerant temperature: -1°C, outlet chilled secondary refrigerant temperature: -5°C. The environment temperature is 35°C.
2. Secondary refrigerant adopts 25% Ethylene Glycol or 19% Calcium chloride aqueous solution.
3. Evaporator water pressure 1.0MPa.
4. Evaporator scaling factor 0.018m²°C/KW, condenser scaling factor 0.044m²°C/KW.
5. Input power:3P-380V-50HZ.Allowable fluctuate voltage:± 10%,allowable voltage difference in phase:±2%.
- 6.The data maybe changed a little by the engineers according to the actual condition.

Water-cooled Screw Chiller (-5°C)

Model			120WDT	164WDT	220WDT	240WDT	290WDT	320WDT	380WDT	400WDT	440WDT	480WDT
Cooling Capacity		KW	120	164	220	240	290	320	380	400	440	480
		10' Kc a 1 / h	10	14	19	21	25	28	33	34	38	41
Control			PLC Programmable Controller									
Power Supply			380V/ 3N / 50H z									
Compressor	Type		5- 6 Asymmetric Semi-hermetic Twin Screw Compressor									
			2									
	Starting		Y - Δ Starting									
	Running Loading		0- 16. 5- 33- 50- 66- 83. 5- 100%				0- 12. 5- 25- 37. 5- 50- 62. 5- 75- 87. 5- 100%					
	Cooling Power	kW	42	55. 4	69. 4	76	92. 6	100. 8	113. 6	119. 4	131. 6	143. 6
	Cooling Current	A	73. 1	96. 4	120. 8	132. 2	161. 1	175. 4	197. 7	207. 8	229	249. 9
Evaporator	Type		Horizontal Shell and Tube Dry Evaporator									
	Flow Rate	m³/ h	25	35	47. 5	52. 5	62. 5	70	82. 5	85	95	102. 5
	Pipe Diameter	DN	DN80		DN100				DN125			DN150
	Pressure Drop	kPa	50	51	51	52	53	54	56	58	61	68
Condenser	Type		Horizontal Shell and Tube Dry Evaporator									
	Flow Rate	m³/ h	32. 1	37. 8	51. 3	56. 7	67. 5	75. 6	89. 1	91. 8	102. 6	110. 7
	Pipe Diameter	DN	DN65 X 2			DN80 X 2			DN100X 2			
	Pressure Drop	kPa	44	45	46	48	51	53	55	58	59	65
Refrigerant	Type		R22									
	Refrigerant Charge	kg	34	47	63	68	82	91	108	114	125	136
Diamant	Length	mm	3370	3370	3470	3470	3500	3500	3500	3600	3780	3780
	Width	mm	900	900	1100	1100	1300	1300	1300	1300	1300	1300
	Height	mm	1440	1440	1530	1580	1760	1780	1820	1875	1970	1980
Weight		kg	1650	1850	2300	2400	2800	3000	3100	3200	4000	4500
Running Weight		kg	1900	2150	2550	2750	3350	3550	3600	3750	4450	4950

Remark:

1. Above mentioned cooling working condition: inlet chilled secondary refrigerant temperature: -1°C, outlet chilled secondary refrigerant temperature: -5°C. The environment temperature is 35°C.
2. Secondary refrigerant adopts 25% Ethylene Glycol or 19% Calcium chloride aqueous solution.
3. Evaporator water pressure 1.0MPa.
4. Evaporator scaling factor 0.018m²°C/KW, condenser scaling factor 0.044m²°C/KW.
5. Input power:3P-380V-50HZ.Allowable fluctuate voltage:± 10%,allowable voltage difference in phase:± 2%.
- 6.The data maybe changed a little by the engineers according to the actual condition.

Water-cooled Screw Chiller (-5°C)

Model			520WDT	610WDT	640WDT	700WDT	760WDT	920WDT	910YDT	1010WDT	1070WDT	1200WDT
Cooling Capacity	KW		520	610	640	700	760	820	910	1010	1070	1200
	10' Kc a 1 / h		45	53	55	60	66	79	78	87	92	103
Control			PLC Programmable Controller									
Power Supply			380V/ 3N / 50H z									
Compres sor	Type		5- 6 Asymmetric Semi-hermetic Twin Screw Compressor									
			2									
	Starting		Y - Δ Starting									
	Running Loading		0-12. 5- 25- 37. 5- 50- 62. 5- 75- 87. 5- 100%									
	Cooling Power	kW	159. 6	185. 4	195. 6	212	228. 2	235. 6	271. 4	301	319. 6	359. 4
	Cooling Current	A	277. 7	322. 6	340. 3	368. 9	397. 1	409. 9	472. 2	523. 7	556. 1	625. 4
Evaporat or	Type		Horizontal Shell and Tube Dry Evaporator									
	Flow Rate	m³/ h	112. 5	132. 5	137. 5	150	165	197. 5	195	217. 5	230	257. 5
	Pipe Diameter	DN	DN150			DN200						
	Pressure Drop	kPa	68	70	71	73	73	73	74	75	75	77
Condens er	Type		Horizontal Shell and Tube Dry Evaporator									
	Flow Rate	m³/ h	121. 5	143. 1	148. 5	162	178. 2	213. 3	210. 6	234. 9	248. 4	278. 1
	Pipe Diameter	DN	DN100 X 2	DN125 X 2						DN150 X 2		
	Pressure Drop	kPa	65	68	68	70	70	71	72	72	73	73
Refriger ant	Type		R22									
	Refrigerant Charge	kg	148	173	182	199	216	233	259	287	304	341
Diament	Length	mm	3895	3890	3890	3890	3890	3950	4080	4200	4200	4350
	Width	mm	1300	1300	1500	1500	1500	1500	1500	1500	1500	1500
	Height	mm	2050	2050	2230	2230	2260	2260	2280	2280	2280	2280
Weight		kg	5300	6000	6300	7000	7300	7600	8100	8300	8400	9200
Running Weight		kg	6050	6600	6800	7550	7850	8050	8600	8900	9000	9800

Remark:

1. Above mentioned cooling working condition: inlet chilled secondary refrigerant temperature: -1°C, outlet chilled secondary refrigerant temperature: -5°C. The environment temperature is 35°C.
2. Secondary refrigerant adopts 25% Ethylene Glycol or 19% Calcium chloride aqueous solution.
3. Evaporator water pressure 1.0MPa.
4. Evaporator scaling factor 0.018m²°C/KW, condenser scaling factor 0.044m²°C/KW.
5. Input power:3P-380V-50HZ.Allowable fluctuate voltage:±10%,allowable voltage difference in phase:±2%.
- 6.The data maybe changed a little by the engineers according to the actual condition.

Water-cooled Screw Chiller (-15°C)

Model		43WST	60WST	80WST	87WST	109WST	115/IST	135WST	145WST	158WST	170WST
Cooling Capacity	KW	43	60	80	87	109	115	135	145	158	170
	10' Kc a 1 / h	3.7	5.2	6.9	7.5	9.4	9.9	11.6	12.5	13.6	15
Control		PLC Programmable Controller									
Power Supply		380V/ 3N / 50H z									
Compressor	Type	5- 6 Asymmetric Semi-hermetic Twin Screw Compressor									
		1									
	Starting	Y - Δ Starting									
	Running Loading	0- 33- 66- 100%				0- 25- 50- 75- 100%					
	Cooling Power	kW	21.5	28.3	35.5	39	48.1	51.7	52.1	61.2	73.5
	Cooling Current	A	37.4	49.2	61.8	67.9	83.7	90	90.7	106.5	127.9
Evaporator	Type	Horizontal Shell and Tube Dry Evaporator									
	Flow Rate	m ³ / h	9.3	13	17.3	18.8	23.5	24.8	29	31.3	37.5
	Pipe Diameter	DN	DN50			DN65				DN80	
	Pressure Drop	kPa	47	48	48	48	48	49	50	50	58
Condenser	Type	Horizontal Shell and Tube Dry Evaporator									
	Flow Rate	m ³ / h	14.7	20.1	26.2	28.6	35.7	37.9	42.5	46.8	55.3
	Pipe Diameter	DN	DN65			DN80				DN100	
	Pressure Drop	kPa	44	45	45	45	46	47	48	49	58
Refrigerant	Type	R22									
	Refrigerant Charge	kg	15	20	27	30	37	39	46	49	58
Diamant	Length	mm	2455	2455	2500	2570	2860	2860	2860	2860	3180
	Width	mm	1100	1100	1100	1100	1100	1100	1100	1100	1100
	Height	mm	1450	1450	1450	1524	1550	1590	1630	1680	1820
Weight		kg	700	730	900	1090	1140	1400	1430	1470	1780
Running Weight		kg	760	770	980	1220	1320	1620	1660	1700	2000

Remark:

- Above mentioned cooling working condition: inlet chilled secondary refrigerant temperature: -10°C, outlet chilled secondary refrigerant temperature: -15°C. The environment temperature is 35°C.
- Secondary refrigerant adopts 40% Ethylene Glycol or 24% Calcium chloride aqueous solution.
- Evaporator water pressure 1.0MPa.
- Evaporator scaling factor 0.018m²/KW, condenser scaling factor 0.044m²/KW.
- Input power:3P-380V-50HZ.Allowable fluctuate voltage:± 10%,allowable voltage difference in phase:±2%.
- The data maybe changed a little by the engineers according to the actual condition.

Water-cooled Screw Chiller (-15°C)

Model		188WST	220WST	235WST	260WST	280WST	290WST	335WST	372WST	400WST	445'/IST	
Cooling Capacity	KW	188	220	235	260	280	290	335	372	400	445	
	10' Kc a 1 / h	16	19	20	22	24	25	29	32	34	38	
Control		PLC Programmable Controller										
Power Supply		380V/ 3N / 50H z										
Compres sor	Type		5- 6 Asymmetric Semi-hermetic Twin Screw Compressor									
			1									
	Starting		Y - Δ Starting									
	Running Loading		0- 25- 50- 75- 100%									
	Cooling Power	kW	81. 7	94. 9	100. 2	108. 5	116. 8	120. 6	141. 7	157. 2	166. 9	184
	Cooling Current	A	142. 2	165. 1	174. 3	188. 8	203. 2	209. 8	246. 6	273. 5	290. 4	320. 2
	Evaporat or	Type		Horizontal Shell and Tube Dry Evaporator								
Flow Rate		m³/ h	40	47. 5	50	55	60	62. 5	72. 5	80	85	95
Pipe Diameter		DN	DN80		DN100						DN125	
Pressure Drop		kPa	58	58	67	72	72	72	72	72	72	73
Condens er	Type		Horizontal Shell and Tube Dry Evaporator									
	Flow Rate	m³/ h	61. 3	71. 5	76. 2	83. 7	90. 2	93. 3	108. 3	120. 2	128. 8	142. 9
	Pipe Diameter	DN	DN100	DN125						DN150		
	Pressure Drop	kPa	58	58	65	70	70	71	71	72	72	72
Refrigera nt	Type		R22									
	Refrigerant Charge	kg	64	75	80	89	96	99	114	127	136	152
Diament	Length	mm	3225	3225	3225	3505	3605	3605	3720	3720	3930	3930
	Width	mm	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
	Height	mm	1830	1830	1880	1880	1950	1980	1880	1950	1970	2020
Weight		kg	1970	2190	2440	2480	2650	2950	3080	3300	3470	3620
Running Weight		kg	2190	3380	2570	2740	2950	3210	3330	3570	3810	3930

Remark:

- Above mentioned cooling working condition: inlet chilled secondary refrigerant temperature: -10°C, outlet chilled secondary refrigerant temperature: -15°C. The environment temperature is 35°C.
- Secondary refrigerant adopts 40% Ethylene Glycol or 24% Calcium chloride aqueous solution.
- Evaporator water pressure 1.0MPa.
- Evaporator scaling factor 0.018m²/KW, condenser scaling factor 0.044m²/KW.
- Input power:3P-380V-50HZ.Allowable fluctuate voltage:± 10%,allowable voltage difference in phase:±2%.
- The data maybe changed a little by the engineers according to the actual condition.

Water-cooled Screw Chiller (-15°C)

Model		86WDT	120WDT	160 YDT	174 WD T	218WDT	230WDT	270WDT	290WDT	316WDT	340WDT	
Cooling Capacity	KW	86	120	160	174	218	230	270	290	316	340	
	10' Kc a 1 / h	7.4	10	14	15	19	20	23	25	27	29	
Control		PLC Programmable Controller										
Power Supply		380V/ 3N / 50H z										
Compres sor	Type	5- 6 Asymmetric Semi-hermetic Twin Screw Compressor										
		2										
	Starting	Y - Δ Starting										
	Running Loading	0- 16. 5- 33- 50- 66- 83. 5- 100%				0- 12. 5- 25- 37. 5- 50- 62. 5- 75- 87. 5- 100%						
	Cooling Power	kW	43	56. 6	71	78	96. 2	103. 4	104. 2	122 . 4	134. 6	147
	Cooling Current	A	74. 8	98. 5	123. 5	135. 7	167. 4	179. 9	181. 3	213	234. 2	255. 8
Evaporat or	Type	Horizontal Shell and Tube Dry Evaporator										
	Flow Rate	m³/ h	18. 5	25	35	37. 5	47. 5	50	57. 5	62. 5	67. 5	72. 5
	Pipe Diameter	DN	DN65				DN80			DN100		
	Pressure Drop	kPa	49	50	50	50	51	51	51	51	52	53
Condens er	Type	Horizontal Shell and Tube Dry Evaporator										
	Flow Rate	m³/ h	29. 3	40. 1	52. 5	57. 3	71. 4	75. 7	85	93. 7	102. 4	110. 6
	Pipe Diameter	DN	DN65 X 2			DN80 X 2				DN1 00X 2		
	Pressure Drop	kPa	44	45	45	45	45	45	46	46	48	48
Refrigera nt	Type	R22										
	Refrigerant Charge	kg	29	41	55	59	74	78	92	99	108	116
Diament	Length	mm	3350	3370	3370	3470	3470	3500	3500	3500	3600	3780
	Width	mm	1100	1100	1100	1100	1100	1300	1300	1300	1300	1300
	Height	mm	1340	1340	1340	1430	1480	1660	1680	1720	1775	1870
Weight		kg	1340	1420	1590	1970	2050	2390	2570	2650	2740	3420
Running Weight		kg	1520	1620	1840	2190	2360	2870	3040	3080	3210	3810

Remark:

- Above mentioned cooling working condition: inlet chilled secondary refrigerant temperature: -10°C, outlet chilled secondary refrigerant temperature: -15°C. The environment temperature is 35°C.
- Secondary refrigerant adopts 40% Ethylene Glycol or 24% Calcium chloride aqueous solution.
- Evaporator water pressure 1.0MPa.
- Evaporator scaling factor 0.018m²/KW, condenser scaling factor 0.044m²/KW.
- Input power:3P-380V-50HZ.Allowable fluctuate voltage:± 10%,allowable voltage difference in phase:±2%.
- The data maybe changed a little by the engineers according to the actual condition.

Water-cooled Screw Chiller (-15°C)

Model		376WDT	440WDT	470WDT	520WDT	560WDT	580'/IDT	670WDT	744WDT	800WDT	890WDT	
Cooling Capacity	KW	376	440	470	520	560	580	670	744	800	890	
	10' Kc a 1 / h	32	38	41	45	48	50	58	64	69	77	
Control		PLC Programmable Controller										
Power Supply		380V/ 3N / 50H z										
Compressor	Type	5- 6 Asymmetric Semi-hermetic Twin Screw Compressor										
			2									
	Starting	Y - Δ Starting										
	Running Loading	0- 12. 5- 25- 37. 5- 50- 62. 5- 75- 87. 5- 100%										
	Cooling Power	kW	163.4	189.8	200.4	217	233.6	241.2	283.4	314.4	333.8	368
	Cooling Current	A	284.3	330.3	348.7	377.6	406.5	419.7	493.1	547.1	580.8	640.3
Evaporator	Type	Horizontal Shell and Tube Dry Evaporator										
	Flow Rate	m³/ h	80	95	102.5	112.5	120	125	145	160	172.5	192.5
	Pipe Diameter	DN	DN100	DN125						DN150		
	Pressure Drop	kPa	53	58	58	61	64	65	67	68	70	70
Condenser	Type	Horizontal Shell and Tube Dry Evaporator										
	Flow Rate	m³/ h	122.5	143.1	152.3	167.4	180.3	186.6	216.6	240.5	257.6	285.8
	Pipe Diameter	DN	DN100 X 2	DN125 X 2						DN150 X 2		
	Pressure Drop	kPa	51	58	58	59	62	63	64	65	68	68
Refrigerant	Type	R22										
	Refrigerant Charge	kg	128	150	160	177	191	198	229	254	273	304
Diament	Length	mm	3780	3895	3890	3890	3890	3890	3950	4080	4200	4200
	Width	mm	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
	Height	mm	1880	1950	1950	2130	2130	2160	2160	2180	2180	2180
Weight		kg	3850	4530	5130	5390	5990	6240	6500	6930	7100	7180
Running Weight		kg	4240	5180	5640	5810	6460	6720	6890	7350	7610	7700

- Remark:
1. Above mentioned cooling working condition: inlet chilled secondary refrigerant temperature: -10°C, outlet chilled secondary refrigerant temperature: -15°C. The environment temperature is 35°C.
 2. Secondary refrigerant adopts 40% Ethylene Glycol or 24% Calcium chloride aqueous solution.
 3. Evaporator water pressure 1.0MPa.
 4. Evaporator scaling factor 0.018m²°C/KW, condenser scaling factor 0.044m²°C/KW.
 5. Input power:3P-380V-50HZ.Allowable fluctuate voltage:± 10%,allowable voltage difference in phase:±2%.
 - 6.The data maybe changed a little by the engineers according to the actual condition.

Water-cooled Screw Chiller (-35°C)

Model		17WST	23WST	30WST	33WST	41WST	44WST	52WST	55WST	60WST	65WST	
Cooling Capacity	KW	17	23	30	33	41	44	52	55	60	65	
	10' Kc a 1 / h	1.5	2	2.6	2.8	3.5	3.8	4.5	4.7	5.2	5.6	
Control		PLC Programmable Controller										
Power Supply		380V/ 3N / 50H z										
Compres sor	Type	5- 6 Asymmetric Semi-hermetic Twin Screw Compressor										
			1									
	Starting	Y - Δ Starting										
	Running Loading	0- 33- 66- 100%				0- 25- 50- 75- 100%						
	Cooling Power	kW	17.2	22.9	29.3	32	39.8	42.6	48.8	51.4	56.5	61.5
	Cooling Current	A	29.9	39.8	51	55.7	69.3	74.1	84.9	89.4	98.3	107
	Evaporat or	Type	Horizontal Shell and Tube Dry Evaporator									
Flow Rate		m³/ h	3.8	5	6.5	7	8.8	9.5	11.3	11.8	13	14
Pipe Diameter		DN	DN40	DN40	DN40	DN40	DN50	DN50	DN50	DN50	DN50	DN65
Pressure Drop		kPa	47	48	48	48	48	49	50	50	54	58
Condens er	Type	Horizontal Shell and Tube Dry Evaporator										
	Flow Rate	m³/ h	7.8	10.4	13.5	14.8	18.4	19.7	22.9	24.2	26.5	28.7
	Pipe Diameter	DN	DN40	DN40	DN50	DN50	DN65	DN65	DN65	DN65	DN65	DN80
	Pressure Drop	kPa	44	45	45	45	46	47	48	49	55	58
Refrigera nt	Type	R22										
	Refrigerant Charge	kg	11	15	20	22	27	29	34	36	39	43
Diament	Length	mm	2455	2455	2500	2570	2860	2860	2860	2860	2860	3180
	Width	mm	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
	Height	mm	1450	1450	1450	1524	1550	1590	1630	1680	1740	1820
Weight		kg	700	730	900	1090	1140	1400	1430	1470	1500	1780
Running Weight		kg	760	770	980	1220	1320	1620	1660	1700	1760	2000

Remark:

1. Above mentioned cooling working condition: inlet chilled secondary refrigerant temperature: -30°C, outlet chilled secondary refrigerant temperature: -35°C. The environment temperature is 35°C.
2. Secondary refrigerant adopts 55% Ethylene Glycol or 28% Calcium chloride aqueous solution.
3. Evaporator water pressure 1.0MPa.
4. Evaporator scaling factor 0.018m°C/KW, condenser scaling factor 0.044m°C/KW.
5. Input power:3P-380V-50HZ.Allowable fluctuate voltage:± 10%,allowable voltage difference in phase:±2%.
- 6.The data maybe changed a little by the engineers according to the actual condition.

Water-cooled Screw Chiller (-35°C)

Model			34WDT	46\VDT	60\VDT	66WDT	82VIDT	88WDT	104WDT	110WDT	120\VDT	130WDT
Cooling Capacity	KW		34	46	60	66	82	88	104	110	120	130
	10' Kc a 1 / h		3	4	5. 2	5.6	7	7. 6	9	9.4	10. 4	11.2
Control			PLC Programmable Controller									
Power Supply			380V/ 3N / 50H z									
Compressor	Type		5- 6 Asymmetric Semi-hermetic Twin Screw Compressor									
			2									
	Starting		Y - Δ Starting									
	Running Loading		0- 16. 5- 33- 50- 66- 83. 5- 100%				0-1 2. 5- 25- 37. 5- 50- 62. 5- 75- 87. 5- 100%					
	Cooling Power	kW	34.4	45. 8	58.6	64	79.6	85. 2	97. 6	102. 8	113	123
	Cooling Current	A	59. 9	79. 7	102	111. 4	138.5	148. 2	169 . 8	178. 9	196 . 6	214
Evaporator	Type		Horizontal Shell and Tube Dry Evaporator									
	Flow Rate	m³/ h	7. 5	10	13	14	17. 5	19	22. 5	23.5	26	28
	Pipe Diameter	DN	DN40	DN50	DN50	DN65	DN65	DN65	DN65	DN65	DN80	DN80
	Pressure Drop	kPa	49	50	50	50	51	51	51	51	52	53
Condenser	Type		Horizontal Shell and Tube Dry Evaporator									
	Flow Rate	m³/ h	15. 5	20. 9	26. 9	29. 5	36. 7	39.4	45. 8	48.3	52. 9	57. 5
	Pipe Diameter	DN	DN40 X 2	DN40 X 2	DN50 X 2	DN50 X 2	DN65 X 2	DN65 X 2	DN65 X 2	DN65 X 2	DN65 X 2	DN80 X 2
	Pressure Drop	kPa	44	45	45	45	45	45	46	46	48	48
Refrigerant	Type		R22									
	Refrigerant Charge	kg	22	30	39	43	54	58	68	72	78	85
Diamant	Length	mm	3350	3370	3370	3470	3470	3500	3500	3500	3600	3780
	Width	mm	1100	1100	1100	1100	1100	1300	1300	1300	1300	1300
	Height	mm	1340	1340	1340	1430	1480	1660	1680	1720	1775	1870
Weight		kg	1340	1420	1590	1970	2050	2390	2570	2650	2740	3420
Running Weight		kg	1520	1620	1840	2190	2360	2870	3040	3080	3210	3810

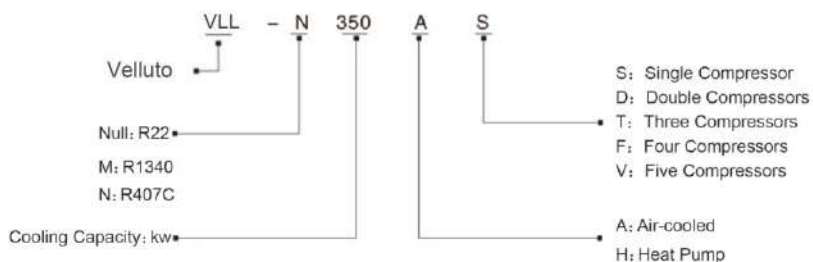
Remark:

1. Above mentioned cooling working condition: inlet chilled secondary refrigerant temperature: -30°C, outlet chilled secondary refrigerant temperature: -35°C. The environment temperature is 35°C.
2. Secondary refrigerant adopts 55% Ethylene Glycol or 28% Calcium chloride aqueous solution.
3. Evaporator water pressure 1.0MPa.
4. Evaporator scaling factor 0.018m²°C/KW, condenser scaling factor 0.044m²°C/KW.
5. Input power:3P-380V-50HZ.Allowable fluctuate voltage:± 10%,allowable voltage difference in phase:±2%.
- 6.The data maybe changed a little by the engineers according to the actual condition.

Air-cooled Screw Chiller



Model Name:



In Addition to the Specifications Listed in the Parameter Table, if You Need Other Customized Units Such As Cooling Capacity, Outlet Temperature, Refrigerant, Etc., Please Contact Our Sales Department for More Technical Support.

Top Brand Components Ensure Your Top Quality Chiller

Compressor:



- Adopts Famous Bitzer compressor, Hanbell Compressor, Fusheng, Copeland Compressor;
- Compressor Energy Efficiency is 20%~30% higher;
- Screw Compressor has Approved ISO9001, CRAA、CE、PED、UL Certification;

PLC Programmed Controller:



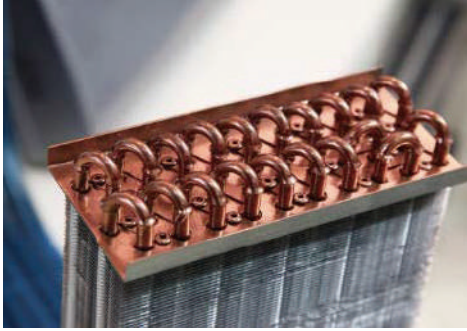
- SIEMENS PLC Programmable LCD Touch Controller
- Customize Display Language: Chinese, English, Russian, Spanish;
- Automatic Detection of Cold Water Outlet Temperature and Operating Conditions;
- Can Realize Remote Control and Central Monitoring;
- Reserve RS-485 Communication Interface, or Ethernet Port;
- Can Add Refrigeration Pumps, Cooling Pumps, and Process Pumps Control Points;

Heat Exchangers:



- High-efficiency Shell and Tube Heat Exchanger;
- Wide Circulation Cross Section, and Easy to Clean Incrustation;
- Low Maintenance Cost, Easy Operation, Long Cleaning Cycle and Convenient Cleaning;
- All Ranges of Specifications to Meet Requirements;
- Fast Heat Exchange Speed, High Temperature Resistance 400°C, High Pressure Resistance 2.5Mpa;
- Long Service Life, Up to More Than 20 Years;

Top Brand Components Ensure Your Top Quality Chiller



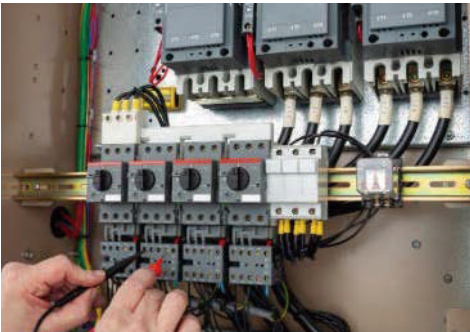
High-Efficiency Copper and Aluminum Fins Condenser:

- Heat Transfer Performance is Good, Stable, Air Resistance is Small.
- Enhance the Efficiency of the Heat Exchanging.



Brand Refrigeration Components:

- Famous Brand Expansion Valve; Brand Filter Drier.
- Has Electronic Expansion Valve Or Thermoexpansion Valve.
- Ensure the Stable Operation of the Industrial Water Chiller Unit.



Top Quality Electrical Components:

- Famous Brand A.C Contactor, Relay, Thermal Protector,
- Brand Pressure Controller, Filter Drier to Ensure the Reliability of the Industrial Water Chiller Unit

Air-cooled Screw Chiller 12/7°C

Model		360AS	420AS	450AS	490AS	530AS	550AS	635AS	695AS	740AS	825AS	
Cooling Capacity	KW	360	420	450	490	530	550	635	695	740	825	
	10' Kc a 1 / h	31	36	39	42	46	47	55	60	64	71	
Control		PLC Programmable Controller										
Power Supply		380V/ 3N / 50Hz										
Total Power Supply	kW	112.4	130.6	140.4	153.1	166.7	171.4	198.3	218	234.1	255.7	
Total Current	A	196.7	228.6	245.7	267.9	291.7	300	347	381.5	410	447	
Compressor	Type	5- 6 Asymmetric Semi-hermetic Twin Screw Compressor										
	Starting	Y - Δ Starting										
	Running Loading	0- 33- 66- 100%			0- 25%- 50%- 75%- 100 %							
	Cooling Power	kW	102	118.6	127.4	138.1	148.7	153.4	180.3	200	212.5	234.1
	Cooling Current	A	178.5	207.6	223	241.7	260.2	268.5	315.5	350	372	410
Evaporator	Type	Horizontal Shell and Tube Dry Evaporator										
	Flow Rate	m ³ / h	62	72.3	77.5	84.3	91.2	94.7	109.3	119.6	127.4	142
	Pipe Diameter	DN	44221	125	125	150	150	150	150	150	150	150
	Pressure Drop	kPa	57	59	63	65	67	69	71	72	74	75
Condenser	Type	High Efficiency Copper Pipe and Aluminum Fins Condenser.										
	Air Volume	m ³ / h	136800	159600	171000	186200	20140	0 209000	241300	264100	281200	313500
Axial Fan	Qty.	8	8	10	10	10	10	12	44198	12	12	
	Power	kW	44199	44201	44199	44201	44204	44204	44201	44201	44204	44204
Refrigerant	Type	R22										
	Refrigerant Charge	kg	94	110	118	128	139	144	166	182	194	216
Diamant	Length	mm	4400	4600	5600	5800	5800	5800	7000	7000	7500	7500
	Width	mm	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200
	Height	mm	2350	2350	2500	2500	2500	2500	2560	2560	2560	2560
Weight		kg	3950	4400	4600	5100	5500	5650	5780	5850	6000	6250
Running Weight		kg	4300	4800	5100	5600	6100	6200	6330	6400	6600	6900

- Remark:
1. Above mentioned cooling working condition: inlet chilled water temperature: 12°C, outlet chilled water temperature: 7°C. The environment temperature is 35°C.
 2. Above mentioned heating working condition: inlet chilled water temperature: 40°C, outlet chilled water temperature: 45°C. The environment dry bulb temperature is 7°C, web bulb temperature 6°C.
 3. Evaporator water pressure 1.9MPa.
 4. Evaporator scaling factor 0.018m²°C/KW.
 5. Input power:3P-380V-50HZ.Allowable fluctuate voltage:±10%,allowable voltage difference in phase:±2%.
 - 6.The data maybe changed a little by the engineers according to the actual condition.

Air-cooled Screw Chiller (Double) 12/7

Model		180AD	240AD	310AD	330AD	420AD	450AD	530AD	560AD	610AD	660AD	
Cooling Capacity	KW	180	240	310	330	420	450	530	560	610	660	
	10' Kc a 1 / h	15	21	27	28	36	39	46	48	52	57	
Control		PLC Programmable Controller										
Power Supply		380V/ 3N / 50H z										
Total Power Supply	kW	5 6. 9	75. 3	96. 6	106, 2	134. 8	142	158. 4	170. 8	183. 8	201. 8	
Total Current	A	99. 6	131. 8	169. 1	1 85, 9	235. 9	248. 5	277. 2	298. 9	321. 7	353. 2	
Compre ssor	Type	5- 6 Asymmetric Semi-hermetic Twin Screw Compressor										
	Starting	Y - Δ Starting										
	Running Loading	0- 16. 5- 33- 50- 66- 83. 5- 100%				0 - 1 2. 5- 25- 37. 5- 50- 62. 5 - 75- 87. 5- 100%						
	Cooling Power	kW	53 . 6	70. 8	88 . 8	97 . 4	120 . 4	1 29	145. 4	152. 8	168. 2	183. 6
	Cooling Current	A	93. 8	123. 9	155. 4	1 70. 5	210 . 7	225. 8	254. 5	267. 4	294. 4	321. 3
Evapora tor	Type	Horizontal Shell and Tube Dry Evaporator										
	Flow Rate	m'/ h	31	41 . 3	53. 4	56. 8	72. 3	77. 5	91. 2	96. 4	105	113 . 6
	Pipe Diameter	DN	80	100	100	125	125	125	150	150	150	200
	Pressure Drop	kPa	46	47	49	51	52	52	52	52	54	57
Condens er	Type	High Efficiency Copper Pipe and Aluminum Fins Condenser.										
	Air Volume	m'/ h	68400	91200	1178 00	125400	159600	171000	201400	212800	231800	250800
Axial Fan	Qty.		6	6	6	8	8	10	10	10	1 2	14
	Power	kW	0. 55	0. 75	1 . 3	1. 1	1. 8	1 . 3	1 . 3	1 . 8	1 . 3	1 . 3
Refriger ant	Type	R22										
	Refrigeran t Charge	kg	47	63	81	86	110	118	139	146	160	173
Diament	Length	mm	3800	3800	4200	4400	4600	5600	5600	5600	6900	8000
	Width	mm	2000	2000	2200	2200	2200	2200	2200	2200	2200	2200
	Height	mm	2300	2300	2300	2300	2500	2500	2500	2500	2500	2500
Weight		kg	3200	3330	3850	4400	4800	4950	5150	5450	5750	5900
Running Weight		kg	3500	3700	4200	4800	5300	5500	5680	6000	6300	6500

Remark:

1. Above mentioned cooling working condition: inlet chilled water temperature: 12°C, outlet chilled water temperature: 7°C. The environment temperature is 35°C.
2. Above mentioned heating working condition: inlet chilled water temperature: 40°C, outlet chilled water temperature: 45°C. The environment dry bulb temperature is 7°C, web bulb temperature 6°C.
3. Evaporator water pressure 1.9MPa.
4. Evaporator scaling factor 0.018m²/KW.
5. Input power:3P-380V-50HZ.Allowable fluctuate voltage:±10%,allowable voltage difference in phase:±2%.
- 6.The data maybe changed a little by the engineers according to the actual condition.

Air-cooled Screw Chiller (Double) 12/7

Model		720AD	840AD	900AD	980AD	1060AD	1100AD	1270AO	1390AD	1480AD	1650AD	
Cooling Capacity	kW	720	840	900	980	1060	1100	1270	1390	1480	1650	
	10' Kc a 1 / h	62	72	77	84	91	95	109	120	127	142	
Control		PLC Programmable Controller										
Power Supply		380V/ 3N / 50H z										
Total Power Supply	kW	229 . 2	266	283. 6	308. 6	333. 4	342. 8	396. 6	431. 2	468. 2	511. 4	
Total Current	A	4 01 . 1	465. 5	496. 3	540. 1	583. 5	599. 9	694, 1	754 . 6	819. 4	895	
Compressor	Type		5- 6 Asymmetric Semi-hermetic Twin Screw Compressor									
	Starting		Y - Δ Starting									
	Running Loading		0- 12 . 5—25- 37. 5- 50- 62. 5- 75—8 7. 5- 100%									
	Cooling Power	kW	204	237. 2	254. 8	276. 2	297. 4	306. 8	360. 6	400	425	468. 2
	Cooling Current	A	357	415. 1	445. 9	483. 4	520. 5	536. 9	631. 1	700	743. 8	819. 4
Evaporator	Type		Horizontal Shell and Tube Dry Evaporator									
	Flow Rate	m/ h	1 23. 9	1 44 . 6	154. 9	168 . 7	18 2. 4	189 . 3	218 . 6	239. 2	254. 7	284
	Pipe Diameter	DN	200	200	200	200	200	200	200	200	250	250
	Pressure Drop	kPa	59	61	65	67	69	71	73	74	76	77
Condenser	Type		High Efficiency Copper Pipe and Aluminum Fins Condenser.									
	Air Volume	m/ h	273600	319200	342000	372400	402800	418000	482600	528200	562400	627000
Axial Fan	Qty.		14	16	1 6	18	20	20	20	24	24	24
	Power	kW	1. 8	1. 8	1. 8	1. 8	1 . 8	1. 8	1 , 8	1. 3	1 . 8	1. 8
Refrigerant	Type		R22									
	Refrigerant Charge	kg	188	220	235	256	277	288	332	364	387	432
Diamant	Length	mm	8000	9000	9500	10200	11000	11000	11800	13200	13200	13200
	Width	mm	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200
	Height	mm	2500	2500	2500	2500	2500	2500	2560	2560	2560	2560
Weight		kg	6500	7400	7800	8750	9200	9500	9800	10500	11500	12200
Running Weight		kg	7200	8100	8600	9600	10100	10500	10800	11600	12700	13400

Remark:

1. Above mentioned cooling working condition: inlet chilled water temperature: 12°C, outlet chilled water temperature: 7°C. The environment temperature is 35°C.
2. Above mentioned heating working condition: inlet chilled water temperature: 40°C, outlet chilled water temperature: 45°C. The environment dry bulb temperature is 7°C, web bulb temperature 6°C.
3. Evaporator water pressure 1.9MPa.
4. Evaporator scaling factor 0.018m²°C/KW.
5. Input power:3P-380V-50HZ.Allowable fluctuate voltage:±10%,allowable voltage difference in phase:±2%.
- 6.The data maybe changed a little by the engineers according to the actual condition.

Top Brand Components Ensure Your Top Quality Chiller



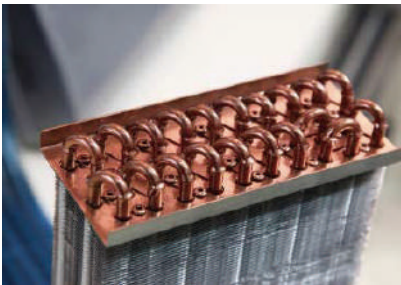
Compressor:

- Hermetic scroll compressor;
- Low noise, low vibration, high energy efficiency ratio;
- Reliable Running Performance.

LCD Touch Screen:



- Automatic Detection of Cold Water Outlet Temperature and Operating Conditions; Precision $\pm 0.5^{\circ}\text{C}$.
- Display Screen is Clear for the Running Status.
- Easy Operation.



High-Efficiency Copper and Aluminum Fins Condenser:

- Heat Transfer Performance is Good, Stable, Air Resistance is Small.
- Enhance the Efficiency of the Heat Exchanging.

Top Brand Components Ensure Your Top Quality Chiller



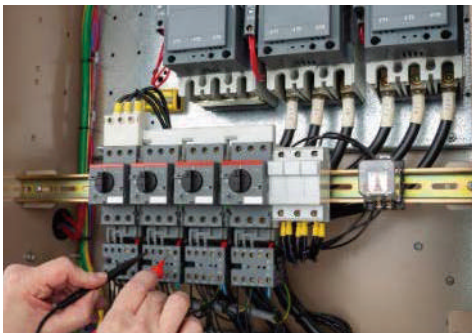
Heat Exchangers:

- High-efficiency Shell and Tube Heat Exchanger;
- Wide Circulation Cross Section, and Easy to Clean Incrustation;
- Low Maintenance Cost, Easy Operation, Long Cleaning Cycle and Convenient Cleaning;
- All Ranges of Specifications to Meet Requirements;
- Fast Heat Exchange Speed, High Temperature Resistance 400°C, High Pressure Resistance 2.5Mpa;
- Long Service Life, Up to More Than 20 Years;



Brand Refrigeration Components:

- Famous Brand Expansion Valve; Brand Filter Drier.
- Has Electronic Expansion Valve Or Thermoexpansion Valve.
- Ensure the Stable Operation of the Industrial Water Chiller Unit.



Top Quality Electrical Components:

- Famous Brand A.C Contactor, Relay, Thermal Protector,
- Brand Pressure Controller, Filter Drier to Ensure the Reliability of the Industrial Water Chiller Unit



Air-cooled Scroll Chiller (12/7℃)

Model		03AS	05AS	08AS	10AS	12AS	15 AS	20AS	20AD	25AD	30AD	40AD	
Cooling Capacity	KW	8.8	14.4	25.5	29.0	32.7	41.1	55.3	58.0	65.4	82.2	110.6	
	10' Kcal / h	7.6	12.4	21.9	25.0	28.1	35.4	47.6	49.9	56.3	70.7	95.2	
	TR	2.5	4.1	7.2	8.3	9.3	11.7	15.7	16.5	18.6	23.4	31.5	
Total Power Supply		kW	3.1	5.2	8.1	9.5	10.9	14.4	19.3	18.4	20.5	38	
Total Current		A	5.7	9.6	14.8	17.3	19.9	26.3	35.3	33.6	52.3	69.5	
Compressor	Cooling Power	kW	2.6	4.3	7.0	7.9	8.9	12.4	16.6	15.7	17.9	33.3	
	Cooling Current	A	4.6	7.6	12.4	14.0	15.9	22.1	29.6	28.0	31.8	59.2	
	Quantity	Set	1	1	1	1	1	1	1	2	2	2	
Axial Fan	Power	kW	0.19	0.42	0.38	0.84	0.84	0.84	1.14	1.14	1.14	1.5	2.52
	Current	A	0.50	0.85	1.00	1.70	1.70	1.70	3.00	3.00	3.00	3.84	5.10
Evaporator	Flow Rate	L/Min	25	41	73	83	93	118	158	166	187	235	316
	Pipe Diameter	DN	25	25	32	32	32	40	40	40	50	50	65
Water Pump	Power	kW	0.37	0.55	0.75	0.75	1.10	1.10	1.50	1.50	1.50	2.20	2.2
	Head	M	16	21	22	19	17	25	24	24	23	22	21
Water Tank		L	70	75	100	115	145	250	270	270	320	360	400
Diameter	Length	mm	1150	1150	1200	1350	1400	1600	1950	1950	2100	2200	2450
	Width	mm	560	560	850	850	850	1000	1250	1250	1250	1250	1350
	Height	mm	1120	1120	1550	1550	1550	1600	1600	1600	1600	1850	2050
Weight		kg	150	200	285	350	450	600	830	830	1050	1250	1350

Remark:

1. Above mentioned cooling working condition: inlet chilled water temperature: 12℃, outlet chilled water temperature: 7℃. The environment temperature is 35℃.

2.Input power:3P-380V-50HZ.Allowable fluctuate voltage:±10%, allowable voltage difference in phase:±2%.

3.The data maybe changed a little by the engineers according to the actual condition.

Air-cooled Scroll Chiller (0°C)

Model			3.1AST	5.1AST	8.1AST	10.1AST	12.1AST	15.1AST	20.1AST	20.2ADT	25.2ADT	30.2ADT	40.2ADT
Cooling Capacity	KW		1 . 6	11.4	1 . 19	23.1	26	32.7	44	46.1	52	65.3	87.9
	10' Kc a 1 / h		1 . 5	1 . 8	1 . 16	1 . 18	1 . 21	28.1	37.9	39.7	44.8	56.2	75.6
	TR		1 . 1	1 . 2	5.8	1 . 5	1 . 6	1 . 8	1 . 11	1 . 12	1 . 13	1 . 17	25
Total Power Supply		kW	1 . 2	1 . 4	1 . 6	1 . 8	1 . 9	1 . 12	18.1	17.6	19.7	26.8	36.5
Total Current		A	1 . 4	1 . 8	1 . 13	16.6	18.5	25.3	33.2	32.3	36.1	49	66.8
Compr essor	Cooling Power	kW	1 . 1	1 . 3	1 . 5	1 . 6	1 . 7	1 . 10	15.9	1 . 14	17.1	23.8	31.8
	Cooling Current	A	1 . 3	7.3	1 . 10	1 . 12	15.1	21.2	28.3	26.7	30.4	42.4	56.6
	Quantity	Set	1	1	1	1	1	1	1	2	2	2	2
Axial Fan	Power	kW	0.19	0.42	0.38	0.84	0.84	0.84	12 . 31	12 . 31	12 . 31	1.5	2.52
	Current	A	0.5	0.85	1	1.7	1.7	1.7	3	3	3	3.84	1 . 4
Evapor ator	Flow Rate	L/Min	20	33	58	66	74	93	126	132	149	187	251
	Pipe Diameter	DN	25	25	32	32	32	40	40	40	50	50	65
Water Pump	Power	kW	0.37	0.55	0.55	0.75	0.75	1.1	1.1	1.5	12 . 31	12 . 31	2.2
	Head	M	16	21	22	19	17	25	24	24	23	22	21
Water Tank		L	70	75	100	115	145	250	270	270	320	360	400
Diamen t	Length	mm	950	950	1200	1350	1400	1600	1950	1950	2100	2200	2450
	Width	mm	700	700	850	850	850	1000	1250	1250	1250	1250	1350
	Height	mm	1050	1050	1550	1550	1550	1600	1600	1600	1600	1850	2050
Weight		kg	150	200	285	350	450	600	830	830	1050	1250	1350

Remark:

1. Above mentioned cooling working condition: inlet chilled water temperature: 5°C, outlet chilled water temperature: 0°C. The environment temperature is 35°C.

2.Input power:3P-380V-50HZ.Allowable fluctuate voltage:±10%, allowable voltage difference in phase:±2%.3.

The data maybe changed a little by the engineers according to the actual condition.

Air-cooled Scroll Chiller (-5℃)

Model		03AST	03AST	08AST	10AST	12AST	15 AST	20AST	20ADT	25ADT	30ADT	40ADT	
Cooling Capacity	KW	5.6	9.2	16.3	18.5	20.9	26.2	35.3	37.0	41.7	52.4	70.6	
	10' Kcal / h	4.8	7.9	14.0	15.9	18.0	22.5	30.4	31.8	35.9	45.1	60.8	
	TR	1.6	2.6	4.6	5.3	6.0	7.4	10.1	10.5	11.9	14.9	20.1	
Total Power Supply		kW	3.0	4.7	7.3	8.8	9.8	13.0	17.5	16.6	18.6	25.8	34.5
Total Current		A	5.4	8.6	13.4	16.1	17.9	23.8	32.1	30.5	34.1	47.2	63.2
Compressor	Cooling Power	kW	2.4	3.9	6.4	7.2	8.2	11.4	15.3	14.4	16.4	22.8	30.5
	Cooling Current	A	4.3	6.9	11.4	12.8	14.6	20.3	27.2	25.6	29.2	40.6	54.3
	Quantity	Set	1	1	1	1	1	1	1	2	2	2	2
Axial Fan	Power	kW	0.19	0.42	0.38	0.84	0.84	0.84	1.14	1.14	1.14	1.50	2.52
	Current	A	0.50	0.85	1.00	1.70	1.70	1.70	3.00	3.00	3.00	3.84	5.10
Evaporator	Flow Rate	L/Min	16	26	47	53	60	75	101	106	119	150	202
	Pipe Diameter	DN	25	25	25	25	32	32	40	40	40	50	50
Water Pump	Power	kW	0.37	0.37	0.55	0.75	0.75	0.75	1.10	1.10	1.10	1.50	1.50
	Head	M	16	21	22	19	17	25	24	24	23	22	21
Water Tank		L	70	75	100	115	145	250	270	270	320	360	400
Diameter	Length	mm	1150	1150	1200	1350	1400	1600	1950	1950	2100	2200	2450
	Width	mm	700	700	850	850	850	1000	1250	1250	1250	1250	1350
	Height	mm	1120	1120	1550	1550	1550	1600	1600	1600	1600	1850	2050
Weight		kg	150	200	285	350	450	600	830	830	1050	1250	1350

Remark:

1. Above mentioned cooling working condition: inlet chilled water temperature: 0℃, outlet chilled water temperature: -5℃. The environment temperature is 35℃.

2.Input power:3P-380V-50HZ.Allowable fluctuate voltage:±10%, allowable voltage difference in phase:±2%.

3.The data maybe changed a little by the engineers according to the actual condition.

Air-cooled Scroll Chiller (-10°C)

Model			3.1ADT	5.1ADT	8.1ADT	10.1ADT	12.1ADT	15.1ADT	20.1ADT	20.2ADT	25.2ADT	30.2ADT	40.2ADT
Cooling Capacity	KW		1.3	7.3	1.11	14.6	16.5	20.8	27.9	29.3	33	41.5	55.9
	10' Kc a 1 / h		1.2	1.5	1.10	1.11	1.13	17.9	24	25.2	28.4	35.7	48.1
	TR		12.31	1.1	3.7	1.3	1.3	1.4	1.6	1.7	1.8	1.10	15.9
Total Power Supply		kW	1.1	1.3	1.5	1.7	1.8	1.11	16.2	15.5	17.6	24	32.7
Total Current		A	1.4	1.7	1.11	15	16.6	22.5	29.6	28.3	32.3	43.9	59.9
Compressor	Cooling Power	kW	1.1	1.2	1.5	1.5	1.6	1.9	14.3	1.12	15.4	21.4	28.7
	Cooling Current	A	1.2	6.6	1.9	1.11	13.7	19	25.5	24.2	27.4	38.1	51.1
	Quantity	Set	1	1	1	1	1	1	1	2	2	2	2
Axial Fan	Power	kW	0.19	0.42	0.38	0.84	0.84	0.84	12.31	12.31	12.31	1.5	2.52
	Current	A	0.5	0.85	1	1.7	1.7	1.7	3	3	3	3.84	1.4
Evaporator	Flow Rate	L/Min	13	21	37	42	47	59	80	84	94	119	160
	Pipe Diameter	DN	20	20	25	25	25	32	32	32	32	40	40
Water Pump	Power	kW	0.37	0.37	0.37	0.55	0.55	0.75	0.75	0.75	12.31	12.31	1.5
	Head	M	15	20	21	18	16	23	22	22	21	20	19
Water Tank		L	70	75	100	115	145	250	270	270	320	360	400
Diameter	Length	mm	950	950	1200	1350	1400	1600	1950	1950	2100	2200	2450
	Width	mm	700	700	850	850	850	1000	1250	1250	1250	1250	1350
	Height	mm	1050	1050	1550	1550	1550	1600	1600	1600	1600	1850	2050
Weight		kg	150	200	285	350	450	600	830	830	1050	1250	1350

Remark:

1. Above mentioned cooling working condition: inlet chilled water temperature: - 5°C, outlet chilled water temperature: - 10 °C. The environment temperature is 35°C.
2. Input power: 3P-380V-50HZ. Allowable fluctuate voltage: ±10%, allowable voltage difference in phase: ±2%.
3. The data maybe changed a little by the engineers according to the actual condition.

Air-cooled Scroll Chiller (-15℃)

Model		03AST	05AST	08AST	10AST	12AST	15AST	20AST	20ADT	25ADT	30ADT	40ADT	
Cooling Capacity	KW	3 . 7	6. 0	10. 6	1 2. 0	13 . 6	17 . 1	22. 9	24. 1	27. 1	3 4. 1	45. 9	
	10' Kc a 1 / h	3. 2	5. 2	9. 1	10. 3	11. 7	14. 7	19 . 7	20. 7	23. 3	29. 3	39. 5	
	TR	1. 1	1. 7	3. 0	3. 4	3. 9	4. 9	6. 5	6. 8	7. 7	9. 7	13 . 1	
Total Power Supply		kW	2. 7	4. 3	6. 5	7. 9	8. 7	11 . 8	15. 6	14 . 8	16 . 9	23. 1	31. 3
Total Current		A	4. 9	7. 9	11. 8	14 . 4	15. 9	21. 6	28. 5	27. 1	31. 0	42. 3	57. 3
Comp ressor	Cooling Power	kW	2. 1	3. 5	5. 7	6. 5	7. 3	10 . 2	13 . 7	12 . 9	14 . 7	20. 5	27. 3
	Cooling Current	A	3 . 7	6. 2	10. 1	11 . 6	13 . 0	18. 2	24. 4	23. 0	26. 2	36. 5	48. 6
	Quantit y	Set	1	1	1	1	1	1	1	2	2	2	2
Axial Fan	Power	kW	0. 19	0. 42	0. 38	0. 84	0. 84	0. 84	1. 14	1. 14	1. 14	1. 50	2. 52
	Current	A	0. 50	0. 85	1. 00	1. 70	1. 70	1. 70	3. 00	3. 00	3. 00	3. 84	5. 10
Evapo rator	Flow Rate	L/Min	11	17	30	34	39	49	65	69	77	97	131
	Pipe Diamet er	DN	20	20	25	25	25	32	32	32	32	40	40
Water Pump	Power	kW	0.37	0. 37	0. 37	0. 55	0. 55	0. 75	0. 75	0. 75	1. 10	1. 10	1. 50
	Head	M	16	21	22	19	17	25	24	24	23	22	21
Water Tank		L	70	75	100	115	145	250	270	270	320	360	400
Diam ent	Length	mm	1150	1150	1200	1350	1400	1600	1950	1950	2100	2200	2450
	Width	mm	700	700	850	850	850	1000	1250	1250	1250	1250	1350
	Height	mm	1120	1120	1550	1550	1550	1600	1600	1600	1600	1850	2050
Weight		kg	150	200	285	350	450	600	830	830	1050	1250	1350

Remark:

1. Above mentioned cooling working condition: inlet chilled water temperature: - 1 0℃, outlet chilled water temperature: -15℃. The environment temperature is 35℃.

2.Input power:3P-380V-50HZ.Allowable fluctuate voltage:±10%, allowable voltage difference in phase: ±2%.

3.The data maybe changed a little by the engineers according to the actual condition.

Air-cooled Scroll Chiller (-20℃)

Model			3.1ADL20	5.1ADL20	8.1ADL20	10.1ADL20	12.1ADL20	15.1ADL20	20.1ADL20	20.2ADL20	25.2ADL20	30.2ADL20	40.2ADL20
Cooling Capacity	KW		1.1	4.1	1.6	8.3	9.3	11.7	15.8	16.5	18.6	23.4	31.5
	10 ³ Kcal/h		1.1	1.2	1.5	1.6	1.7	10.1	13.6	14.2	16	20.1	27.1
	TR		12.30	12.31	2.1	1.1	1.1	1.2	1.3	1.3	1.4	1.5	9
Total Power Supply		KW	1.1	1.3	1.5	1.6	1.7	1.10	14.7	14	16	21.8	29.7
Total Current		A	1.3	1.6	1.10	13.7	15.2	20.5	26.9	25.6	29.4	39.9	54.4
Compressor	Cooling Power	KW	1.1	1.2	1.4	1.5	1.5	1.8	12.8	1.11	13.8	19.2	25.7
	Cooling Current	A	1.2	5.9	1.8	1.9	12.3	17.1	22.8	21.5	24.6	34.2	45.7
	Quantity	Set	1	1	1	1	1	1	1	2	2	2	2
Axial Fan	Power	KW	0.19	0.42	0.38	0.84	0.84	0.84	12.31	12.31	12.31	1.5	2.52
	Current	A	0.5	0.85	1	1.7	1.7	1.7	3	3	3	3.84	1.4
Evaporator	Flow Rate	L/Min	7	12	21	24	27	34	45	47	53	67	90
	Pipe Diameter	DN	20	20	25	25	25	32	32	32	32	40	40
Water Pump	Power	KW	0.37	0.37	0.37	0.55	0.55	0.75	0.75	0.75	12.31	12.31	1.5
	Head	M	17	22	23	20	18	25	25	25	24	22	22
Water Tank		L	70	75	100	115	145	250	270	270	320	360	400
Diameter	Length	mm	950	950	1200	1350	1400	1600	1950	1950	2100	2200	2450
	Width	mm	700	700	850	850	850	1000	1250	1250	1250	1250	1350
	Height	mm	1050	1050	1550	1550	1550	1600	1600	1600	1600	1850	2050
Weight		kg	150	200	285	350	450	600	830	830	1050	1250	1350

Remark:

1. Above mentioned cooling working condition: inlet chilled water temperature: - 1 5℃, outlet chilled water temperature: - 2 0℃. The environment temperature is 35℃.
2. Input power: 3P-380V-50HZ. Allowable fluctuate voltage: ±10%, allowable voltage difference in phase: ±2%.
3. The data maybe changed a little by the engineers according to the actual condition.

Air-cooled Scroll Chiller (-25°C)

Model			3.1ADL25	4.1ADL25	5.1ADL25	6.1ADL25	6.2ADL25	8.2ADL25	10.2ADL25	12.2ADL25
Cooling Capacity	KW		1.1	2.6	1.2	4.3	4.2	5.2	7.3	8.6
	10° Kc a 1 / h		12.31	1.1	1.2	1.2	1.2	4.5	6.3	7.4
	TR		12.30	12.30	1	12.31	12.31	12.31	1.1	1.1
Total Power Supply		kW	1.1	1.1	1.2	1.3	1.4	1.5	8.7	10.8
Total Current		A	1.3	1.3	1.5	8.2	10.6	11.7	15.9	19.8
Compressor	Cooling Power	kW	2.1 2.4 3.4 4.3				1.3	1.3	6.8	1.7
	Cooling Current	A	1.2	4.3	1.5	1.6	7.5	8.5	12.1	15.3
	Quantity	Set	1	1	1	1	2	2	2	2
Axial Fan	Power	kW	0.19	0.42	0.38	0.84	0.84	0.84	12.31	12.31
	Current	A	0.5	0.85	1	1.7	1.7	1.7	3	3
Evaporator	Flow Rate	L/Min	7.5	9.1	12.9	15.4	14.9	18.7	26.1	30.7
	Pipe Diameter	DN	20	20	25	25	25	32	32	32
Water Pump	Power	kW	0.37	0.37	0.55	0.55	0.75	0.75	0.75	1.1
	Head	M	16	21	22	19	17	25	24	24
Water Tank		L	70	75	100	115	145	250	270	270
Diameter	Length	mm	1200	1200	1200	1200	1400	1400	1400	1400
	Width	mm	850	850	850	850	850	850	850	850
	Height	mm	1550	1550	1550	1550	1550	1550	1550	1550
Weight		kg	150	180	210	250	260	290	330	380

Remark:

- Above mentioned cooling working condition: inlet chilled water temperature: - 2 0 °C, outlet chilled water temperature: - 2 5°C. The environment temperature is 35°C.
- Input power:3P-380V-50HZ.Allowable fluctuate voltage:±10%, allowable voltage difference in phase: ±2%.
- The data maybe changed a little by the engineers according to the actual condition.

Air-cooled Scroll Chiller (-30°C)

Model		3.1ADL30	4.1ADL30	5.1ADL30	6.1ADL30	6.2ADL30	8.2ADL30	10.2ADL30	12.2ADL30	
Cooling Capacity	KW	12 . 31	2.1	1. 2	3.4	3.4	4.2	6	6.8	
	10' Kc a 1 / h	12. 31	12. 31	1. 1	1. 1	1. 1	3.6	5.2	5.9	
	TR	12. 30	12. 30	0.9	12. 31	12. 31	12. 31	12. 31	1. 1	
Total Power Supply		KW	1. 1	1. 2	1. 3	1. 4	1. 4	1 . 5	8.9	10.7
Total Current		A	1. 4	1. 4	1. 6	10.6	10.4	11.9	16.3	19.6
Compres sor	Cooling Power	kW	1. 1	1. 1	1. 2	1. 3	1. 3	1 . 3	7	1 . 7
	Cooling Current	A	1 . 2	4.4	1. 5	1 . 6	7.7	8.7	12.5	15.7
	Quantity	Set	1	1	1	1	2	2	2	2
Axial Fan	Power	kW	0.19	0.42	0.38	0.84	0.84	0.84	12. 31	12. 31
	Current	A	0.5	0.85	1	1.7	1.7	1.7	3	3
Evaporat or	Flow Rate	L/Min	6.2	7.5	10.8	12	12	14.9	21.6	24.5
	Pipe Diameter	DN	20	20	25	25	25	32	32	32
Water Pump	Power	kW	0.37	0.37	0.37	0.55	0.55	0.75	0.75	0.75
	Head	M	16	21	22	19	17	25	24	24
Water Tank		L	70	75	100	115	145	250	270	270
Diament	Length	mm	1200	1200	1200	1200	1400	1400	1400	1400
	Width	mm	850	850	850	850	850	850	850	850
	Height	mm	1550	1550	1550	1550	1550	1550	1550	1550
Weight		kg	150	180	210	250	260	290	330	380

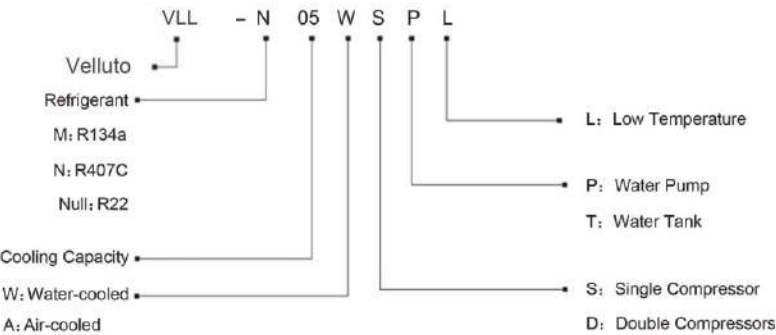
Remark:

1. Above mentioned cooling working condition: inlet chilled water temperature: - 2 5 °C, outlet chilled water temperature: - 30°C. The environment temperature is 35°C.
- 2.Input power:3P-380V-50HZ.Allowable fluctuate voltage:±10%, allowable voltage difference in phase: ±2%.
- 3.The data maybe changed a little by the engineers according to the actual condition.

Water-cooled Scroll Chiller



Model Name:



In Addition to the Specifications Listed in the Parameter Table, if You Need Other Customized Units Such As Cooling Capacity, Outlet Temperature, Refrigerant, Etc., Please Contact Our Sales Department for More Technical Support.

Top Brand Components Ensure Your Top Quality Chiller



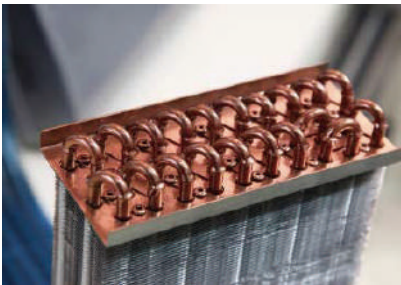
Compressor:

- Hermetic scroll compressor;
- Low noise, low vibration, high energy efficiency ratio;
- Reliable Running Performance.

LCD Touch Screen:



- Automatic Detection of Cold Water Outlet Temperature and Operating Conditions; Precision $\pm 0.5^{\circ}\text{C}$.
- Display Screen is Clear for the Running Status.
- Easy Operation.



High-Efficiency Copper and Aluminum Fins Condenser:

- Heat Transfer Performance is Good, Stable, Air Resistance is Small.
- Enhance the Efficiency of the Heat Exchanging.

Top Brand Components Ensure Your Top Quality Chiller

Heat Exchangers:



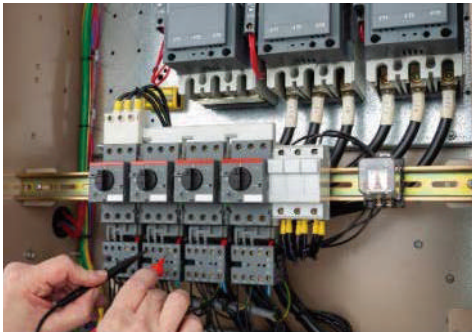
- High-efficiency Shell and Tube Heat Exchanger;
- Wide Circulation Cross Section, and Easy to Clean Incrustation;
- Low Maintenance Cost, Easy Operation, Long Cleaning Cycle and Convenient Cleaning;
- All Ranges of Specifications to Meet Requirements;
- Fast Heat Exchange Speed, High Temperature Resistance 400°C, High Pressure Resistance 2.5Mpa;
- Long Service Life, Up to More Than 20 Years;

Brand Refrigeration Components:



- Famous Brand Expansion Valve; Brand Filter Drier.
- Has Electronic Expansion Valve Or Thermoexpansion Valve.
- Ensure the Stable Operation of the Industrial Water Chiller Unit.

Top Quality Electrical Components:



- Famous Brand A.C Contactor, Relay, Thermal Protector,
- Brand Pressure Controller, Filter Drier to Ensure the Reliability of the Industrial Water Chiller Unit

Water-cooled Scroll Chiller (7℃)

Model			03WS	05WS	08WS	10WS	12WS	1 5 WS	20WS	20WD	25WD	30WD	40WD
Cooling Capacity	KW		9. 8	15. 9	28. 6	31. 7	36. 3	46. 0	61. 5	63 . 4	72. 6	91. 0	1 23
	10' Kc a 1 / h		8 . 4	13 . 7	24. 6	27. 3	31. 2	39. 6	52. 9	54. 6	62. 5	78. 3	01 06
	TR		2. 8	4. 5	8. 1	9. 0	10. 3	1 3. 1	1 7. 5	18 . 1	20. 7	25. 9	35. 1
Total Power Supply		kW	2. 5	4 . 1	6. 4	7. 2	8. 4	1 1. 3	1 5 . 3	14 . 3	1 6 . 1	22. 5	29 . 9
Total Current		A	4.4	7. 2	1 1. 5	1 2. 7	15	20. 1	27. 3	25. 5	28. 7	40. 1	53. 2
Compr essor	Cooling Power	kW	2. 1	3. 5	5. 7	6. 4	7. 3	1 0 . 2	1 3 . 8	12 . 8	1 4 . 6	20. 3	2 7 . 7
	Cooling Current	A	3. 7	6. 2	10. 1	1 1. 4	13	1 8. 1	24. 6	22. 8	26. 0	36.2	49. 3
	Quantity	Set	1	1	1	1	1	1	1	2	2	2	2
Evapor ator	Flow Rate	L/Min	28	46	82	91	10 4	1 32	176	181	208	260	352
	Pipe Diameter	DN	25	25	32	32	40	40	50	50	65	65	65
Conde nser	Flow Rate	L/Min	35	57	10 2	113	13 0	1 64	220	227	259	325	440
	Pipe Diameter	DN	25	25	32	32	40	40	50	50	65	65	65
Water Pump	Power	kW	0 . 3 7	0. 55	0. 75	0. 75	1. 10	1 . 10	1. 50	1. 50	1 . 5 0	2. 20	2. 20
	Head	M	15	20	1 9	19	1 7	25	24	24	22	22	20
Water Tank		L	80	9 0	19 0	190	19 0	210	250	250	250	32 0	400
Diamen t	Length	mm	1 1 50	1150	1350	1 350	1350	1 600	1 900	1900	1 900	2150	2300
	Width	mm	750	750	85 0	850	850	900	900	900	900	1000	1 100
	Height	mm	9 0 0	900	1200	1 200	1200	1 200	1 200	1200	1 200	120 0	1300
Weight		kg	1 50	220	310	36 0	4 50	65 0	85 0	85 0	1050	125 0	1350

Remark:

1. Above mentioned cooling working condition: inlet chilled water temperature: 12℃, outlet chilled water temperature: 7℃. The environment temperature is 35℃.

2.Adopts the famous brand scroll compressors.

3. Input power:3P-380V-50HZ.Allowable fluctuate voltage:±10%,allowable voltage difference in phase:±2%.

4.The data maybe changed a little by the engineers according to the actual condition.

Water-cooled Scroll Chiller (0℃)

Model			3.1WSM	4.1WSM	5.1WSM	6.1WSM	6.2WDM	8.2WDM	10.2WDM	12.2WDM
Cooling Capacity	KW		1.1	2.6	3.7	4.3	4.2	5.2	7.3	8.6
	10° Kc a 1 / h		12.31	2.2	3.1	3.7	3.6	4.5	6.3	7.4
	TR		12.30	12.30	12.31	1.2	12.31	1.5	2.1	2.4
Total Power Supply		kW	1.1	1.1	1.2	1.3	1.4	6.4	8.7	10.8
Total Current		A	4	1.3	6.6	8.2	10.6	11.7	15.9	19.8
Compressor	Cooling Power	kW	2.1 2.4 3.4 4.3				1.3	4.8	6.8	1.7
	Cooling Current	A	1.2	1.3	1.5	7.7	7.5	8.5	12.1	15.3
	Quantity	Set	1	1	1	1	2	2	2	2
Evaporator	Flow Rate	L/Min	0.19	0.42	0.38	0.84	12.30	0.84	1.14	1.14
	Pipe Diameter	DN	0.5	0.85	1	1.7	1.7	1.7	3	3
Condenser	Flow Rate	L/Min	7.5	9.1	1.11	15.4	14.9	18.7	26.1	30.7
	Pipe Diameter	DN	20	20	25	25	25	32	32	32
Water Pump	Power	kW	0.37	0.37	0.55	0.55	12.30	12.30	0.75	1.1
	Head	M	16	21	1.21	19	1.16	25	24	24
Water Tank		L	70	75	100	115	145	250	270	270
Diamant	Length	mm	1200	1200	1200	1200	1400	1400	1400	1400
	Width	mm	850	850	850	850	850	850	850	850
	Height	mm	1550	1550	1550	1550	1550	1550	1550	1550
Weight		kg	150	180	210	250	260	290	330	380

Remark:
1. Above mentioned cooling working condition: inlet chilled water temperature: 5℃, outlet chilled water temperature: 0℃. The environment temperature is 35℃.
2.Adopts the famous brand scroll compressors.
3. Input power:3P-380V-50HZ Allowable fluctuate voltage:±10%,allowable voltage difference in phase:±2%.
4.The data maybe changed a little by the engineers according to the actual condition.

Water-cooled Scroll Chiller (-5°C)

Model		03WST	05WST	08WST	10WST	12WST	15WST	20WST	20WDT	25WDT	30WDT	40WDT	
Cooling Capacity		KW	6.3	44470	18.2	20.2	23.2	29.3	39.2	40.4	46.3	58.1	319
		10' Kcal/h	5.4	44415	15.7	17.4	20.0	25.2	33.7	34.8	39.8	50.0	0308
		TR	1.8	2.9	1.4	5.8	6.6	44411	44501	11.5	13.2	16.5	22.4
Total Power Supply		kW	2.3	3.6	5.8	6.6	7.5	44470	13.7	44538	14.5	20.1	26.8
Total Current		A	4.0	6.4	44471	44507	13.3	17.9	24.4	22.8	25.8	35.8	47.7
Compressor	Cooling Power	kW	1.9	3.2	5.2	5.8	6.7	44442	44536	11.7	13.4	18.6	25.3
	Cooling Current	A	3.4	5.7	9.3	44472	44509	16.6	22.4	20.8	23.9	33.1	45.0
	Quantity	Set	1	1	1	1	1	1	1	2	2	2	2
Evaporator	Flow Rate	L/Min	18	29	52	58	36	84	44502	116	132	166	224
	Pipe Diameter	DN	20	20	25	32	32	32	40	40	40	50	65
Condenser	Flow Rate	L/Min	26	42	314	82	94	121	163	164	188	241	326
	Pipe Diameter	DN	20	20	25	32	32	32	40	40	40	50	65
Water Pump	Power	kW	0.37	0.37	0.55	0.75	0.75	0.75	44206	44206	44206	1.50	1.50
	Head	M	15	20	118	19	116	25	24	24	22	22	20
Water Tank		L	80	90	190	190	190	210	250	250	250	320	400
Diameter	Length	mm	1150	1150	1350	1350	1350	1600	1900	1900	1900	2150	2300
	Width	mm	750	750	850	850	850	900	900	900	900	1000	1100
	Height	mm	900	900	1200	1200	1200	1200	1200	1200	1200	1200	1300
Weight		kg	150	220	310	360	450	650	850	850	1050	1250	1350

Remark:

1. Above mentioned cooling working condition: inlet chilled water temperature: 0°C, outlet chilled water temperature: -5°C. The environment temperature is 35°C.
2. Adopts the famous brand scroll compressors.
3. Input power: 3P-380V-50HZ Allowable fluctuate voltage: $\pm 10\%$, allowable voltage difference in phase: $\pm 2\%$.
4. The data may be changed a little by the engineers according to the actual condition.



Water-cooled Scroll Chiller (-10℃)

Model			3.1WSL10	5.1WSL10	8.1WSL10	10.1WSL10	12.1WSL10	15.1WSL10	20.1WSL10	20.2WDL10	25.2WDL10	30.2WDL10	40.2WDL10
Cooling Capacity		KW	1.6	12.6	22.7	25.2	28.9	36.6	48.9	50.4	57.7	72.3	46
		10' Kcal / h	1.5	10.8	19.5	21.7	24.9	31.5	42.1	43.4	49.7	62.2	0324
		TR	1.1	1.2	1.5	7.2	1.7	10.4	13.9	14.4	16.4	20.6	27.8
Total Power Supply		kW	1.1	1.2	1.5	1.5	1.6	10.8	14.3	13.7	15.5	20.9	28.6
Total Current		A	4.2	1.5	10.6	12.2	13.8	19.2	25.5	24.4	27.6	37.2	50.9
Compressor	Cooling Power	kW	1.1	1.2	1.4	1.5	1.6	9.7	13.2	11.1	14	19.4	26.4
	Cooling Current	A	1.2	1.4	1.8	10.9	12.5	17.3	23.5	21.7	24.9	34.5	47
	Quantity	Set	1	1	1	1	1	1	1	2	2	2	2
Evaporator	Flow Rate	L/Min	22	36	65	72	323	105	140	144	165	207	280
	Pipe Diameter	DN	20	25	32	32	40	40	40	40	50	50	65
Condenser	Flow Rate	L/Min	31	50	328	98	113	146	195	197	225	288	390
	Pipe Diameter	DN	20	25	32	32	40	40	50	50	50	65	65
Water Pump	Power	kW	0.37	0.55	0.55	0.75	12.30	12.31	1.1	1.5	1.5	12.31	1.1
	Head	M	15	20	118	19	116	25	24	24	22	22	20
Water Tank		L	80	90	190	190	190	210	250	250	250	320	400
Diameter	Length	mm	950	950	1350	1350	1350	1600	1900	1900	1900	2150	2300
	Width	mm	750	750	850	850	850	900	900	900	900	1000	1100
	Height	mm	900	1100	1200	1200	1200	1200	1200	1200	1200	1200	1300
Weight		kg	150	220	310	360	450	650	850	850	1050	1250	1350

Remark:
1. Above mentioned cooling working condition: inlet chilled water temperature: -5℃, outlet chilled water temperature: -10℃. The environment temperature is 35℃.
2.Adopts the famous brand scroll compressors.
3. Input power:3P-380V-50HZ Allowable fluctuate voltage:±10% allowable voltage difference in phase:±2%.
4.The data maybe changed a little by the engineers according to the actual condition.



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