



Shenzhen ShenChunagYi Refrigeration Equipment Co.,Ltd.

# SCY CHILLER PRODUCT PROFILE 2021



01/2021

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Performance  
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# Reaching your goals, exceeding your expectations!

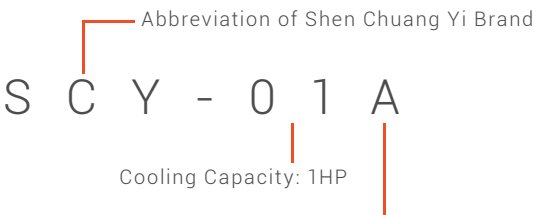
## Introduction's

ShenChuangYi(SCY) Refrigeration Equipment Co., Ltd is a professional manufacturer in making water-cooled chillers, air-cooled chillers, industrial chillers, low-temperature chillers, etc. Our factory covers 23500 square meters.

Our main products include: Scroll water-cooled chillers, Air-cooled chillers(heat pump), Screw chillers, Low-temperature freezing chillers, Air-cooled freezing chillers, Heat-recycle chillers, Heat exchanger(condenser and evaporator), Water tower pump and other special refrigeration equipment. SCY has built a full quality control and management system under ISO9001 standard.

From raw material inspection, production inspection, and overall inspection control, all processes follow a strict guideline. In order to keep the first-class quality, we inspect every product before sending out and make regular market research with our clients' help to improve the quality. With substantial support from all communities, we believe we can become better, stronger, and go further!

## **Nomenclature**



- A: Air-cooled Box Type Scroll Chiller
- AS: Air-cooled Screw Chiller
- S: Water-cooled Single Compressor Screw Chiller
- D: Water-cooled Double Compressor Screw Chiller
- W: Water-cooled Box Type Scroll Chiller
- WT: Water-cooled Scroll Chiller
- WL: Water-cooled Low Temperature Chiller(Glycol, Brine, etc.)

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## Water-cooled single compressor

# Screw Water Chiller

## Compressor

The water-cooled screw chillers are all made of famous brand semi-hermetic screw compressors. Its 5:6 super-efficient screw rotor design, 20-30% more efficient than the average compressor. It has the advantages of smooth and reliable operation, high efficiency, low failure rate and easy maintenance. The compressor can automatically alternate operation according to load changes, balancing the running hours of each compressor, greatly extending the service life of the chiller unit, trouble-free operation up to 45000 hours, or more.

## Energy-efficient Condensers and Evaporators

The condenser adopts German and Japanese original copper tubes, which are processed into trapezoidal low-rib tubes to enhance heat transfer capacity. The inner surface of the copper tube becomes smooth so that the water pressure is reduced and easy to clean and maintain.

The evaporator adopts a reinforced copper tube with inner and outer threads, the copper tube has a good cooling effect. The evaporator barrel is insulated with a 25mm thick PE insulation board. No condensation and less cooling loss.



## Specification

Model	SCY-30S	SCY-40S	SCY-50S	SCY-60S	SCY-80S	SCY-90S	SCY-100S		
Power supply	208-230V, 380-420V, 440-480V, 50Hz or 60Hz, 3phase								
Cooling capacity	kw	108	145	173	196	260	293	335	
	TONS	30.71	41.23	49.19	55.73	73.93	83.31	95.25	
	Kcal/h	92880	124700	148780	170280	223600	251980	288100	
Power consumption	kw	20.3	27.8	33.2	38	51.2	56.5	64.8	
Freeze water flow	m <sup>3</sup> /h	18	24	29	33	46	50	54	
Cooling water flow	m <sup>3</sup> /h	22	29	35	40	55	62	68	
Compressor	Type	Semi-hermetic screw type							
	Start method	Y- $\Delta$ start							
	Quantity(pcs)	1							
	Volume control(%)	0-33-66-100				0-25-50-75-100			
	Input power(kw)	22	30	36	41	56	61	70	
Refrigerating oil	Type	SUNISO-4GS							
	Filling volume(L)	7	7	7	8	12	16	16	
Refrigerant	Type	R22, R134a, R407c							
	Control method	External balanced thermostatic expansion valve							
	Filling volume(kg)	18	22	27	32	42	48	54	
Evaporator	Type	Shell and tube							
	Pipe diameter(in)	2-1/2"	3"				4"		
Condenser	Type	Shell and Tube							
	Pipe diameter(in)	3"				4"			
Safety protector	Pressure protection, overload protection, anti-freeze protection, delay protection, over-temperature protection, water flow protection.								
Dimension	Length(mm)	2250	2300	2500	2500	2600	2800	2800	
	Width(mm)	800	800	800	800	850	850	850	
	Height(mm)	1450	1450	1550	1550	1700	1700	1800	
Weight(kg)	1020	1150	1350	1500	1680	1800	1930		

1. Testing results under above conditions: Inlet/outlet chilled water temperature 12°C/7°C, inlet/outlet cooling water temperature 30°C/35°C.

2. The above parameters will be updated continuously. If you need a custom service, please send your technical requirements before placing an order.

Model	SCY-120S	SCY-150S	SCY-180S	SCY-200S	SCY-220S	SCY-240S	SCY-260S	
Power supply	208-230V, 380-420V,440-480V,50Hz or 60Hz, 3phase							
Cooling capacity	kw	409	480	572	638	715	805	866
	TONS	116.29	136.48	162.64	181.40	203.30	228.89	246.23
	Kcal/h	351740	412800	491920	548680	614900	692300	744760
Power consumption	kw	78.5	93.5	110.5	121.8	137	154.5	166.8
Freeze water flow	m <sup>3</sup> /h	68	80	95	106	122	132	140
Cooling water flow	m <sup>3</sup> /h	82	98	116	129	148	155	172
Compressor	Type	Semi-hermetic screw type						
	Start method	Y- $\Delta$ start						
	Quantity(pcs)	1						
	Volume control(%)	0-25-50-75-100						
	Input power(kw)	85	100	119	132	148	167	180
Refrigerating oil	Type	SUNISO-4GS						
	Filling volume(L)	16	18	23	23	28	28	28
Refrigerant	Type	R22, R134a, R407c						
	Control method	External balanced thermostatic expansion valve						
	Filling volume(kg)	64	73	92	103	116	122	131
Evaporator	Type	Shell and tube						
	Pipe diameter(in)	5"		6"			8"	
Condenser	Type	Shell and Tube						
	Pipe diameter(in)	5"			6"			
Safety protector	Pressure protection, overload protection, anti-freeze protection, delay protection, over-temperature protection, water flow protection.							
Dimension	Length(mm)	3200	3300	3500	3650	3650	3950	3950
	Width(mm)	900	900	900	1000	1000	1000	1000
	Height(mm)	1800	1800	1900	1900	2020	2020	2020
Weight(kg)	2250	2500	2650	2850	3000	3350	3600	

1. Testing results under above conditions: Inlet/outlet chilled water temperature 12°C/7°C, inlet/outlet cooling water temperature 30°C/35°C.

2. The above parameters will be updated continuously. If you need a custom service, please send your technical requirements before placing an order.

## Water-cooled double compressor

# Screw Water Chiller

## Compressor

The water-cooled screw chillers are all made of famous brand semi-hermetic screw compressors. Its 5:6 super-efficient screw rotor design, 20-30% more efficient than the average compressor. It has the advantages of smooth and reliable operation, high efficiency, low failure rate and easy maintenance. The compressor can automatically alternate operation according to load changes, balancing the running hours of each compressor, greatly extending the service life of the chiller unit, trouble-free operation up to 45000 hours, or more.

## Energy-efficient Condensers and Evaporators

The condenser adopts German and Japanese original copper tubes, which are processed into trapezoidal low-rib tubes to enhance heat transfer capacity. The inner surface of the copper tube becomes smooth so that the water pressure is reduced and easy to clean and maintain.

The evaporator adopts a reinforced copper tube with inner and outer threads, the copper tube has a good cooling effect. The evaporator barrel is insulated with a 25mm thick PE insulation board. No condensation and less cooling loss.



## Specification

Model		SCY-60D	SCY-80D	SCY-100D	SCY-120D	SCY-160D	SCY-180D	SCY-200D
Power supply		3φ-50Hz-380v( 220V/400V/460V)						
Cooling capacity	kw	216	290	346	396	520	586	670
	TONS	61.42	82.46	98.38	112.60	147.85	166.62	190.50
	Kcal/h	185760	249400	297560	340560	447200	503960	576200
Power consumption	kw	41	55.8	66.5	76.2	102.5	113	130.3
Freeze water flow	m <sup>3</sup> /h	35	48	58	65	90	98	115
Cooling water flow	m <sup>3</sup> /h	43	59	70	80	106	122	138
Compressor	Type	Screw						
	Start method	Y-Δstart						
	Quantity(pcs)	2						
	Volume control(%)	0-100(8 levels volume control)						
	Input power(kw)	44	60	72	82	112	122	140
Refrigerating oil	Type	SUNISO-4GS						
	Filling volume(L)	14			16	24	32	32
Refrigerant	Type	R22, R134a, R407c						
	Control method	External balanced thermostatic expansion valve						
	Filling volume(kg)	34	42	52	60	80	94	103
Evaporator	Type	Shell and tube						
	Pipe diameter(in)	3"	4"			5"		6"
Condenser	Type	Shell and tube						
	Pipe diameter(in)	6"			8"			
Safty protector		Pressure protection, overload protection, anti-freeze protection, delay protection, over-temperature protection, water flow protection.						
Dimension	Length(mm)	2900	3050	3050	3200	3200	3350	3350
	Width(mm)	1100	1100	1150	1150	1200	1200	1300
	Height(mm)	1500	1500	1650	1650	1760	1760	1850
Weight(kg)		1860	2000	2250	2550	3050	3300	3500

1. Testing results under above conditions: Inlet/outlet chilled water temperature 12°C/7°C, inlet/outlet cooling water temperature 30°C/35°C.

2. The above parameters will be updated continuously. If you need a custom service, please send your technical requirements before placing an order.

Model		SCY-240D	SCY-300D	SCY-360D	SCY-400D	SCY-440D	SCY-480D	SCY-520D
Power supply		3φ-50Hz-380v(220V/400V/460V)						
Cooling capacity	kw	818	960	1145	1276	1430	1610	1732
	TONS	232.58	272.96	325.56	362.81	406.60	457.78	492.47
	Kcal/h	703480	825600	984700	1097360	1229800	1384600	1489520
Power consumption	kw	158	186	222	243	274.2	309	330
Freeze water flow	m <sup>3</sup> /h	135	165	188	212	242	268	290
Cooling water flow	m <sup>3</sup> /h	163	202	230	258	295	32	352
Compressor	Type	Screw						
	Start method	Y-Δstart						
	Quantity(pcs)	2						
	Volume control(%)	0-100(8 levels volume control)						
	Input power(kw)	170	200	238	264	296	334	360
Refrigerating oil	Type	SUNISO-4GS						
	Filling volume(L)	32	36	46	46	56	56	56
Refrigerant	Type	R22, R134a, R407c						
	Control method	External balanced thermostatic expansion valve						
	Filling volume(kg)	126	150	180	206	230	244	260
Evaporator	Type	Shell and tube						
	Pipe diameter(in)	8"		12"			16"	
Condenser	Type	Shell and tube						
	Pipe diameter(in)	10"		12"			16"	
Safty protector		Pressure protection, overload protection, anti-freeze protection, delay protection, over-temperature protection, water flow protection.						
Dimension	Length(mm)	3600	3850	3850	4000	4000	4350	4350
	Width(mm)	1300	1300	1300	1420	1420	1420	1420
	Height(mm)	1850	1850	1960	1960	2080	2080	2080
Weight(kg)		3850	4500	5360	5530	5600	5850	6280
1. Testing results under above conditions: Inlet/outlet chilled water temperature 12°C/7°C, inlet/outlet cooling water temperature 30°C/35°C.								
2. The above parameters will be updated continuously. If you need a custom service, please send your technical requirements before placing an order.								

Water-cooled

# Scroll Water Chiller

## Compressors

Adopting famous brand compressor, it has the advantages of stable and reliable operation, high efficiency and low failure, small vibration and low noise, convenient maintenance and long service life. According to the customer's cooling needs, can use a single compressor or more compressor combination. The compressor can be according to the load changes, automatically alternate operation, the balance of the compressor running speed, saving energy consumption and extended chiller Service life. Suitable for R22, R407c, R134a and many other refrigerants.

## Economic and Energy Saving

The digital electronic thermostat can precisely control the temperature of cold water between +3°C and 50°C.

## Protection device

Compressor delay start protector, overload protector, high and low voltage protector, temperature control switch, antifreeze switch, fuse plug, electronic time protection safety valve, compressor overheat protector, compressor frequent start protector and abnormal indicator light, to ensure the normal operation of the unit.



## Specification

Model		SCY-005WT	SCY-008WT	SCY-10WT	SCY-015WT	SCY-020WT	SCY-040WT	SCY-050WT	SCY-060WT
Power supply		3φ-50Hz-380v (220V/400V/460V)							
Cooling capacity	kw	16.3	23.5	31.9	48.2	63.6	125.1	155.3	186.5
	TONS	4.63	6.68	9.07	13.70	18.08	35.57	44.16	53.03
	Kcal/h	14020	20210	27430	41460	54690	107580	133560	160390
Power consumption	kw	4.1	6	8.1	12.4	16.5	32.2	40.3	48.5
Freeze water flow	m³/h	2.6	4.3	5.5	8.2	10.8	21.2	26.5	31.8
Cooling water flow	m³/h	3.2	5.4	6.8	10.3	13.9	27.3	34.2	40.8
Compressor	Type	Scroll/piston							
	Start method	Y-Δstart							
	Input power(kw)	3.8	5.6	7.5	11.3	15	30	37.5	45.5
Refrigerant	Type	R22, R134a, R407c, R410a							
	Control method	External balanced thermostatic expansion valve							
	Filling volume(kg)	2.5	4	5	7.5	10.5	20.2	25	30
Evaporator	Type	Shell and tube							
	Pipe diameter(in)	1-1/2"			2"		3"		
Condenser	Type	Shell and tube							
	Pipe diameter(in)	1-1/2"			2"		3"		
Safty protector		Pressure protection, overload protection, anti-freeze protection, delay protection, over-temperature protection, water flow protection.							
Dimension	Length(mm)	950	1260	1260	1600	1600	2250	2250	2600
	Width(mm)	500	500	650	650	700	850	850	850
	Height(mm)	1220	1220	1220	1300	1300	1420	1420	1420
Weight(kg)		150	260	280	460	520	1050	1380	1550
1. Testing results under above conditions: Inlet/outlet chilled water temperature 12°C/7°C, inlet/outlet cooling water temperature 30°C/35°C.									
2. The above parameters will be updated continuously. If you need a custom service, please send your technical requirements before placing an order.									

## Box Type

# Air-cooled Chiller

## Introduction

It is manufactured by modern advanced technology with excellent quality and beautiful appearance. Cooling capacity from 12,520Kcal/hr to 250,000Kcal/hr (5HP- 100HP). It can be widely used in chemical, food, plastic, electroplating, concrete mixing plant, laser, printing, circuit board and other industrial chilled water fields.

## Evaporators

The inner surface of the copper tube is threaded, the copper tube has a smooth appearance and good cooling effect. The evaporator tube is insulated with 26mm thick PE insulation board. No dew, less cold loss.

## Condenser

The condenser is equipped with high-efficiency cross-seam fins and internally threaded copper tubes for high heat exchange efficiency and stability.

## Box Material

The box plate of the fully enclosed chiller set is precision machined by CNC punching machine and painted with electrostatic powder, which is luxurious and beautiful in appearance and has good sound insulation effect.



## Specification

Model	SCY-01A	SCY-02A	SCY-03A	SCY-05A	SCY-08A	SCY-10A	SCY-12A	SCY-15A	SCY-20A	SCY-25A	SCY-30A	SCY-40A	SCY-50A	
Power supply	3Φ-50Hz-380V(208-230V, 380-420V,440-480V,50Hz or 60Hz, 3phase)													
Cooling capacity	kw	2.94	5.6	8.3	13.6	20.5	28.5	35.7	40.5	58.8	71.5	88.2	115.6	135.6
	TONS	0.84	1.59	2.36	3.87	5.83	8.10	10.15	11.52	16.72	20.33	25.08	32.87	38.56
	Kcal/h	2528	4820	7140	11690	17630	24510	30702	34830	50600	61490	75900	99420	116620
Power consumption	kw	1.31	2.3	2.95	4.8	7.75	9.35	11.25	14.1	18.4	21.7	26.9	37	45.5
Running current	A	8	4.6	5.7	9.5	14.9	18.1	21.7	27.2	35.5	41.9	51.9	71.4	87.8
Freeze water flow	m <sup>3</sup> /h	0.5	1	1.5	2.4	4	4.8	6	7.8	10.8	12.6	15	20.3	25.5
Compressor	Type	Scroll												
	Input power(kw)	0.75	1.4	2.2	3.75	6	7.5	9	11.25	15	18	22.5	30	37.5
Pump	Power(kw)	0.37	0.37	0.37	0.55	0.75	0.75	0.75	1.5	1.5	2.2	2.2	4	4
Refrigerant	Type	R22, R134a, R407c, R410a												
	Control method	External balanced thermostatic expansion valve												
	Filling volume(kg)	0.8	2	2	3	5	6	6	8	12	13	16	22	28
Evaporator	Type	Shell and tube, Plate, Coil in Tank												
	Pipe diameter(in)	1"			1-1/2"			2"		2-1/2"		3"		
Condenser	Type	High efficient Finned Copper Tube												
Fan	Type	Axial-flow Fan												
	Air volume(m <sup>3</sup> /h)	1000	2000	3000	5000	8000	10000	12000	15000	20000	25000	30000	40000	50000
	Power(kw)	0.2	0.37	0.28	0.36	0.55	1.1	1.35	1.35	1.5	1.5	2.2	3	4.4
Safety protector	Pressure protection, overload protection, anti-freeze protection, delay protection, over-temperature protection, water flow protection.													
Dimension	Length(mm)	600	750	1020	1125	1200	1300	1450	1600	1900	1900	2200	2300	2500
	Width(mm)	400	500	540	640	740	780	790	900	990	990	1110	1110	1210
	Height(mm)	940	1200	1030	1250	1320	1530	1530	1640	1660	1860	1890	2260	2260
Weight(kg)	60	130	130	170	370	400	450	540	760	810	980	1210	1350	

1. Testing results under above conditions: Inlet/outlet chilled water temperature 12°C/7°C, condensing temperature 45°C.

2. The above parameters will be updated continuously. If you need a custom service, please send your technical requirements before placing an order.



## Box Type

# Water-cooled Chiller

## Introduction

It is manufactured by modern advanced technology with excellent quality and beautiful appearance. Cooling capacity from 12,520Kcal/hr to 250,000Kcal/hr (5HP- 100HP). It can be widely used in chemical, food, plastic, electroplating, concrete mixing plant, laser, printing, circuit board and other industrial chilled water fields.

## Evaporators

The inner surface of the copper tube is threaded, the copper tube has a smooth appearance and good cooling effect. The evaporator tube is insulated with 26mm thick PE insulation board. No dew, less cold loss.

## Condenser

The copper pipe imported from Germany and Japan is processed into trapezoidal low rib pipe, which has better heat transfer ability. Copper tube inside the table is smooth, making the water pressure lower, easy to clean and maintain.

## Box Material

The box plate of the fully enclosed chiller set is precision made by CNC punching machine and painted with electrostatic powder, which is luxurious and beautiful in appearance and has good sound insulation effect.



## Specification

Model		SCY-05W	SCY-08W	SCY-10W	SCY-12W	SCY-15W	SCY-20W	SCY-25W	SCY-30W	SCY-40W	SCY-50W
Power supply		3Φ-50Hz-380V(208-230V, 380-420V,440-480V,50Hz or 60Hz, 3phase)									
Cooling capacity	kw	15.9	26.3	31.9	39.4	48.2	66.8	78.8	95.2	125.1	155.3
	TONS	4.52	7.48	9.07	11.20	13.70	18.99	22.41	27.07	35.57	44.16
	Kcal/h	13700	22600	27400	33900	41460	57400	67800	81870	107580	133560
Power consumption	kw	4.3	6.75	8.5	9.75	12.75	16.5	20.95	24.7	34	41.5
Running current	A	8.3	13	15.9	18.8	24.6	31.8	40.4	47.7	65.6	80.1
Freeze water flow	m <sup>3</sup> /h	2.7	4.4	5.3	6.6	7.9	10.8	13.6	16.7	22.2	26.5
Cooling water flow	m <sup>3</sup> /h	3.2	5.4	6.8	7.9	10.3	13.9	17.2	20.5	27.3	34.2
Compressor	Type	Scroll/piston									
	Input power(kw)	3.75	6	7.5	9	11.25	15	18.75	20.5	30	37.5
Pump	Power(kw)	0.55	0.75	0.75	0.75	1.5	1.5	2.2	2.2	4	4
Refrigerant	Type	R22, R134a, R407c, R410a									
	Control method	External balanced thermostatic expansion valve									
	Filling volume(kg)	2.8	4.4	5.5	6.6	8.5	11	13	16	22	26
Evaporator	Type	Shell and tube, Plate, Coil in Tank									
	Pipe diameter(in)	1"	1-1/2"		2"			2-1/2"		3"	
Condenser	Type	Shell and tube									
	Pipe diameter(in)	1"	1-1/2"		2"			2-1/2"		3"	
Safty protector		Pressure protection, overload protection, anti-freeze protection, delay protection, over-temperature protection, water flow protection.									
Dimension	Length(mm)	1000	1300	1300	1300	1400	1700	1700	2100	2100	2100
	Width(mm)	600	630	630	630	700	800	800	900	1100	1100
	Height(mm)	1280	1300	1350	1350	1420	1450	1480	1450	1530	1530
Weight(kg)		180	310	330	400	520	630	680	850	900	1050

1. Testing results under above conditions: Inlet/outlet chilled water temperature 12°C/7°C, inlet/outlet cooling water temperature 30°C/35°C.

2. The above parameters will be updated continuously. If you need a custom service, please send your technical requirements before placing an order.

Air-cooled

# Screw Water Chiller

## Introduction

It adopts the internationally famous brand of Taiwan Hanbell and BITZER screw compressors, and the condenser is made of high quality and high efficiency copper tube. The evaporator and world famous brand spare parts make the unit have the advantages of small volume, low noise, high energy, long service life and simple operation. With its beautiful design and consistent high performance, it is the best in its class!

## Compressors

1. The compressor adopts the international brand new high-efficiency screw type rotary compressor, which is 20-30% more energy efficient than the general compressor.
2. It has obtained patents from many countries in Europe and America, and has passed the ISO9001:2000 international quality certification.
3. Efficient 5:6 patent asymmetrical gear shape.
4. Capacity control can be four-stage (100%-75%-50%-25%) or three-stage (100%-66%-33%) and non-stage control system.
5. The combination design of 11 bearings and A-type axial thrust balancing drum greatly increases the bearing life by 2.5-3.5 times.
6. All-round compressor capacity ratio (V1=2.2/2.6/3.0/3.5) can be selected, which can effectively avoid additional energy consumption due to compressor overload or insufficient compressor pressure.



## Specification

Model		SCY-30AS	SCY-40AS	SCY-50AS	SCY-60AS	SCY-70AS	SCY-80AS	SCY-90AS	SCY-100AS	SCY-110AS
Power supply		208-230V, 380-420V, 440-480V, 50Hz or 60Hz, 3phase								
Cooling capacity	kw	87.2	113.6	135.5	168.9	196	221	251	268	302
	TONS	24.79	32.30	38.53	48.02	55.73	62.84	71.37	76.20	85.87
	Kcal/h	74990	97680	116520	145250	168560	190060	215860	230480	259720
Power consumption	kw	24.8	33.7	41.5	45.2	57.4	62	69	72.5	83.6
Running current	A	41	56.5	69.6	75.9	96.5	86.7	116.2	122	111.3
Freeze water flow	m <sup>3</sup> /h	15	19.6	24.2	29	35	40	45	50.2	53.8
Compressor	Type	Semi-hermetic screw type								
	Start method	Y-Δ start								
	Volume control	0,33,66,100 OR 0,25,50,100 OR Stepless								
	Input power(kw)	23.3	30.7	38.5	42.2	51.4	56	63	66.3	73
Refrigerating oil	Type	HBR-A01								
	Filling volume(L)	7	7	8	12	16	16	16	16	18
Refrigerant	Type	R22, R134a, R407c								
	Control method	External balanced thermostatic expansion valve								
	Filling volume(kg)	16	22	27	32	36	42	46	52	56
Evaporator	Type	Shell and tube								
	Pipe diameter(mm)	DN65	DN80	DN80	DN80	DN80	DN100	DN100	DN100	DN125
Condenser	Type	Effective Finned Copper Tube+Low Noise Axial Fans								
	Air cooling volume(m <sup>3</sup> /h)	28000	36000	45000	55000	63000	74000	83000	92000	102000
Safty protector		Pressure protection, overload protection, anti-freeze protection, delay protection, over-temperature protection, water flow protection.								
Dimension	Length(mm)	2200	2300	2500	2200	2800	2755	2755	3150	3150
	Width(mm)	1100	1100	1200	2064	1890	2064	2064	2064	2064
	Height(mm)	1820	2030	2030	2130	2130	2150	2230	2230	2230
Weight(kg)		920	1120	1350	1560	1780	1920	2230	2450	2720

1. Testing results under above conditions: Inlet/outlet chilled water temperature 12°C/7°C, condensing temperature 45°C.

2. The above parameters will be updated continuously. If you need a custom service, please send your technical requirements before placing an order.

Model		SCY-120AS	SCY-130AS	SCY-150AS	SCY-160AS	SCY-180AS	SCY-200AS	SCY-240AS	SCY-260AS	SCY-300AS
Power supply		208-230V, 380-420V,440-480V,50Hz or 60Hz, 3phase								
Cooling capacity	kw	329	338	406	433	506	557	672	730	842
	TONS	93.55	96.10	115.44	123.12	143.87	158.37	191.07	207.56	239.41
	Kcal/h	282940	290680	349160	372380	435160	479020	577920	627800	724120
Power consumption	kw	149	169	195.1	204.8	240	247.5	282	309.4	364.5
Running current	A	88.6	100.5	114.8	120.5	141.6	145.6	165.5	182	214.4
Freeze water flow	m <sup>3</sup> /h	59	65	74	79	90	101	119	130	152
Compressor	Type	Semi-hermetic screw type								
	Start method	Y- $\Delta$ start								
	Volume control	0,33,66,100 OR 0,25,50,100 OR Stepless								
	Input power(kw)	79.6	88.5	102.8	108.5	126.6	130.6	150.5	167	199.4
Refrigerating oil	Type	HBR-A01								
	Filling volume(L)	18	18	23	24	24	28	32	32	36
Refrigerant	Type	R22, R134a, R407c								
	Control method	External balanced thermostatic expansion valve								
	Filling volume(kg)	62	66	75	80	92	103	121	126	150
Evaporator	Type	Shell and tube								
	Pipe diameter(mm)	DN125			DN150			DN200		
Condenser	Type	Effective Finned Copper Tube+ Low Noise Axial Fans								
	Air cooling volume(m <sup>3</sup> /h)	112000	122000	141000	150000	169000	189000	223000	245000	285000
Safty protector		Pressure protection, overload protection, anti-freeze protection, delay protection, over-temperature protection, water flow protection.								
Dimension	Length(mm)	3500	3800	4120	4250	4680	4680	5230	5630	6550
	Width(mm)	2100	2100	2100	2100	2100	2100	2100	2100	2210
	Height(mm)	2130	2250	2250	2250	2250	2250	2260	2320	2350
Weight(kg)		3050	3360	3670	3980	4120	4230	4650	5570	7420
1. Testing results under above conditions: Inlet/outlet chilled water temperature 12°C/7°C, condensing temperature 45°C.										
2.The above parameters will be updated continuously. If you need a custom service, please send your technical requirements before placing an order.										

# Water-cooled -5°C Low-temperature Screw Chiller

## Introduction

It adopts the internationally famous brand of Taiwan Hanbell and BITZER screw compressors, and the condenser is made of high quality and high efficiency copper tube. It can work perfectly with glycol or salt water.

## Compressors

1. The compressor adopts the international brand new high-efficiency screw type rotary compressor, which is 20-30% more energy efficient than the general compressor.
2. It has obtained patents from many countries in Europe and America, and has passed the ISO9001:2000 international quality certification.
3. Efficient 5:6 patent asymmetrical gear shape.
4. Capacity control can be four-stage (100%-75%-50%-25%) or three-stage (100%-66%-33%) and non-stage control system.
5. The combination design of 11 bearings and A-type axial thrust balancing drum greatly increases the bearing life by 2.5-3.5 times.
6. All-round compressor capacity ratio (V1=2.2/2.6/3.0/3.5) can be selected, which can effectively avoid additional energy consumption due to compressor overload or insufficient compressor pressure.



## Specification

Model	SCY-30WL	SCY-40WL	SCY-50WL	SCY-60WL	SCY-70WL	SCY-80WL	SCY-90WL	SCY-100WL	SCY-110WL	
Power supply	3-50Hz-380v(220V/400V/460V)									
Cooling capacity	kw	62.3	86.6	113.6	123.8	156.9	165.6	195.1	206.2	225.6
	TONS	17.71	24.62	32.30	35.20	44.61	47.09	55.47	58.63	64.15
	Kcal/h	53580	74780	97690	106470	134930	142420	167790	177330	194020
Running current	A	38.4	51.9	66.8	72.1	91.7	95.3	106.9	111.9	122.5
Power consumption	kw	22.1	29.8	37.7	41.4	51.9	54.9	61.8	65	70.9
Freeze water flow	m <sup>3</sup> /h	11.8	16.7	22.1	25.3	32.5	35.3	42	45	49
Cooling water flow	m <sup>3</sup> /h	22	29	35	40	48	55	62	68	75
Compressor	Type	Semi-hermetic Screw								
	Start method	Y- $\Delta$ start								
	Quantity(pcs)	1								
	Volume control(%)	0,33,66,100 OR 0,25,50,100								
	Input power(kw)	22.1	29.8	37.7	41.4	51.9	54.9	61.8	65	70.9
Refrigerating oil	Type	SUNISO-4GS								
	Filling volume(L)	7	7	7	8	12	16	16	16	18
Refrigerant	Type	R22, R134a, R407c								
	Control method	External balanced thermostatic expansion valve								
	Filling volume(kg)	18	24	30	36	42	48	54	60	66
Evaporator	Type	Shell and tube								
	Pipe diameter(in)	2-1/2"			3"			4"		5"
Condenser	Type	Shell and tube								
	Pipe diameter(in)	2-1/2"			3"			4"		5"
Safety protector	Pressure protection, overload protection, anti-freeze protection, delay protection, over-temperature protection, water flow protection.									
Dimension	Length(mm)	2250	2300	2500	2500	2600	2800	2800	3050	3050
	Width(mm)	800	800	800	800	850	850	850	900	1050
	Height(mm)	1450	1450	1550	1500	1700	1700	1800	1800	1850
Weight(kg)	980	1010	1200	1350	1540	1680	1800	1920	2030	

1. Testing results under above conditions: Inlet/outlet chilled water temperature 7°C/-5°C, inlet/outlet cooling water temperature 30°C/35°C.

2. The above parameters will be updated continuously. If you need a custom service, please send your technical requirements before placing an order.

Model		SCY-120WL	SCY-130WL	SCY-150WL	SCY-160WL	SCY-180WL	SCY-200WL	SCY-240WL	SCY-260WL	SCY-300WL
Power supply		3-50Hz-380v( 220V/400V/460V)								
Cooling capacity	kw	244.1	267.3	318	335.8	398.1	413.5	481.5	528.8	636.4
	TONS	69.41	76.00	90.42	95.48	113.19	117.57	136.91	150.36	180.95
	Kcal/h	209930	229880	273480	288790	342370	355610	414090	454770	547310
Running current	A	131.3	148.2	172	181.7	211.9	218.6	251.9	279.4	333.7
Power consumption	kw	76.5	86.6	66.8	72.1	91.7	95.3	106.9	111.9	122.5
Freeze water flow	m <sup>3</sup> /h	53	58	65	69	75	84	102	111	129
Cooling water flow	m <sup>3</sup> /h	82	89	98	101	113	120	151	161	182
Compressor	Type	Semi-hermetic Screw								
	Start method	Y- $\Delta$ start								
	Quantity(pcs)	1								
	Volume control(%)	0,33,66,100 OR 0,25,50,100								
	Input power(kw)	76.5	86.8	100.8	106.4	124.1	128.1	147.6	163.7	195.5
Refrigerating oil	Type	SUNISO-4GS								
	Filling volume(L)	18	18	23	24	24	28	32	32	36
Refrigerant	Type	R22, R134a, R407c								
	Control method	External balanced thermostatic expansion valve								
	Filling volume(kg)	62	66	75	80	92	103	121	126	150
Evaporator	Type	Shell and tube								
	Pipe diameter(in)	5"			6"			8"		
Condenser	Type	Shell and tube								
	Pipe diameter(in)	5"			6"			8"		
Safty protector		Pressure protection, overload protection, anti-freeze protection, delay protection, over-temperature protection, water flow protection.								
Dimension	Length(mm)	3050	3150	3150	3150	3300	3350	3350	3350	3500
	Width(mm)	1060	1060	1060	1108	1150	1150	1200	1200	1200
	Height(mm)	1700	1700	1700	1700	1700	1700	1700	1700	1750
Weight(kg)		2380	2520	2670	2780	2860	3050	3360	3580	3890
1. Testing results under above conditions: Inlet/outlet chilled water temperature 7°C/-5°C, inlet/outlet cooling water temperature 30°C/35°C.										
2. The above parameters will be updated continuously. If you need a custom service, please send your technical requirements before placing an order.										

# Water-cooled -10°C Low-temperature Screw Chiller

## Introduction

It adopts the internationally famous brand of Taiwan Hanbell and BITZER screw compressors, and the condenser is made of high quality and high efficiency copper tube. It can work perfectly with glycol or salt water.

## Compressors

1. The compressor adopts the international brand new high-efficiency screw type rotary compressor, which is 20-30% more energy efficient than the general compressor.
2. It has obtained patents from many countries in Europe and America, and has passed the ISO9001:2000 international quality certification.
3. Efficient 5:6 patent asymmetrical gear shape.
4. Capacity control can be four-stage (100%-75%-50%-25%) or three-stage (100%-66%-33%) and non-stage control system.
5. The combination design of 11 bearings and A-type axial thrust balancing drum greatly increases the bearing life by 2.5-3.5 times.
6. All-round compressor capacity ratio (V1=2.2/2.6/3.0/3.5) can be selected, which can effectively avoid additional energy consumption due to compressor overload or insufficient compressor pressure.



## Specification

Model		SCY-30WL	SCY-40WL	SCY-50WL	SCY-60WL	SCY-70WL	SCY-80WL	SCY-90WL	SCY-100WL	SCY-110WL
Power supply		3-50Hz-380v(220V/400V/460V)								
Cooling capacity	kw	51.8	72	95.4	102.9	130.5	137.7	162.2	171.4	187.5
	TONS	14.73	20.47	27.13	29.26	37.11	39.15	46.12	48.73	53.31
	Kcal/h	44550	61920	82050	88500	112230	118430	139500	147410	161250
Running current	A	37.4	50.5	65.1	70.2	88.2	92.6	103.9	108.7	118.9
Power consumption	kw	21.4	28.8	36.5	40.1	50.2	53.1	59.8	62.9	68
Freeze water flow	m <sup>3</sup> /h	10.2	13.3	17.6	21.1	25.5	27.6	32	35	39
Cooling water flow	m <sup>3</sup> /h	22	29	35	40	48	55	62	68	75
Compressor	Type	Semi-hermetic Screw								
	Start method	Y-Δ start								
	Quantity(pcs)	1								
	Volume control(%)	0,33,66,100 OR 0,25,50,100								
Input power(kw)	21.4	28.8	36.5	40.1	50.2	53.1	59.8	62.9	68.6	
Refrigerating oil	Type	SUNISO-4GS								
	Filling volume(L)	7	7	7	8	12	16	16	16	18
Refrigerant	Type	R22, R134a, R407c								
	Control method	External balanced thermostatic expansion valve								
	Filling volume(kg)	18	24	30	36	42	48	54	60	66
Evaporator	Type	Shell and tube								
	Pipe diameter(in)	2-1/2"			3"			4"		5"
Condenser	Type	Shell and tube								
	Pipe diameter(in)	2-1/2"			3"			4"		5"
Safty protector		Pressure protection, overload protection, anti-freeze protection, delay protection, over-temperature protection, water flow protection.								
Dimension	Length(mm)	2250	2300	2500	2500	2600	2800	2800	3050	3050
	Width(mm)	800	800	800	800	850	850	850	900	1050
	Height(mm)	1450	1450	1550	1500	1700	1700	1800	1800	1850
Weight(kg)		980	1010	1200	1350	1540	1680	1800	1920	2030

1. Testing results under above conditions: Inlet/outlet chilled water temperature 2°C/-10°C, inlet/outlet cooling water temperature 35°C/40°C.

2. The above parameters will be updated continuously. If you need a custom service, please send your technical requirements before placing an order.

Model	SCY-120WL	SCY-130WL	SCY-150WL	SCY-160WL	SCY-180WL	SCY-200WL	SCY-240WL	SCY-260WL	SCY-300WL	
Power supply	3-50Hz-380v( 220V/400V/460V)									
Cooling capacity	kw	201.8	222.1	264.3	279.1	330.9	343.6	400.2	439.5	528.9
	TONS	57.38	63.15	75.15	79.36	94.09	97.70	113.79	124.96	150.38
	Kcal/h	173550	191010	227300	240030	284580	295500	344170	377970	454850
Running current	A	129.2	143.7	166.9	176.2	205.5	212.1	244.4	271.1	323.7
Power consumption	kw	75.7	84.2	97.8	103.2	120.4	124.2	143.1	158.8	189.6
Freeze water flow	m <sup>3</sup> /h	47	51	59	64	79	83	101	108	123
Cooling water flow	m <sup>3</sup> /h	79	83	92	98	111	118	132	141	164
Compressor	Type	Semi-hermetic Screw								
	Start method	Y- $\Delta$ start								
	Quantity(pcs)	1								
	Volume control(%)	0,33,66,100 OR 0,25,50,100								
	Input power(kw)	21.4	28.8	36.5	40.1	50.2	53.1	59.8	62.9	68.6
Refrigerating oil	Type	SUNISO-4GS								
	Filling volume(L)	18	18	23	24	24	28	32	32	36
Refrigerant	Type	R22, R134a, R407c								
	Control method	External balanced thermostatic expansion valve								
	Filling volume(kg)	62	66	75	80	92	103	121	126	150
Evaporator	Type	Shell and tube								
	Pipe diameter(in)	5"			6"			8"		
Condenser	Type	Shell and tube								
	Pipe diameter(in)	5"			6"			8"		
Safety protector	Pressure protection, overload protection, anti-freeze protection, delay protection, over-temperature protection, water flow protection.									
Dimension	Length(mm)	3050	3150	3150	3150	3300	3350	3350	3350	3500
	Width(mm)	1060	1060	1060	1108	1150	1150	1200	1200	1200
	Height(mm)	1700	1700	1700	1700	1700	1700	1700	1700	1750
Weight(kg)	2380	2520	2670	2780	2860	3050	3360	3580	3890	
1. Testing results under above conditions: Inlet/outlet chilled water temperature 2°C/-10°C, inlet/outlet cooling water temperature 35°C/40°C.										
2. The above parameters will be updated continuously. If you need a custom service, please send your technical requirements before placing an order.										

# Water-cooled -15°C Low-temperature Screw Chiller

## Introduction

It adopts the internationally famous brand of Taiwan Hanbell and BITZER screw compressors, and the condenser is made of high quality and high efficiency copper tube. It can work perfectly with glycol or salt water.

## Compressors

1. The compressor adopts the international brand new high-efficiency screw type rotary compressor, which is 20-30% more energy efficient than the general compressor.
2. It has obtained patents from many countries in Europe and America, and has passed the ISO9001:2000 international quality certification.
3. Efficient 5:6 patent asymmetrical gear shape.
4. Capacity control can be four-stage (100%-75%-50%-25%) or three-stage (100%-66%-33%) and non-stage control system.
5. The combination design of 11 bearings and A-type axial thrust balancing drum greatly increases the bearing life by 2.5-3.5 times.
6. All-round compressor capacity ratio (V1=2.2/2.6/3.0/3.5) can be selected, which can effectively avoid additional energy consumption due to compressor overload or insufficient compressor pressure.



## Specification

Model		SCY-30WL	SCY-40WL	SCY-50WL	SCY-60WL	SCY-70WL	SCY-80WL	SCY-90WL	SCY-100WL	SCY-110WL
Power supply		3-50Hz-380v(220V/400V/460V)								
Cooling capacity	kw	41.7	58.1	78	84.9	107.7	113.6	133.9	141.5	154.8
	TONS	11.86	16.52	22.18	24.14	30.62	32.30	38.07	40.23	44.01
	Kcal/h	35860	49980	67080	73020	92620	97700	115160	121690	133130
Running current	A	36.3	49	63.3	68.1	85.5	89.7	100.6	105.2	115.2
Power consumption	kw	20.6	27.8	35.2	38.7	48.5	51.3	57.7	60.7	66.2
Freeze water flow	m <sup>3</sup> /h	9.1	13.6	18.8	22.1	29.3	31.6	36	40	43
Cooling water flow	m <sup>3</sup> /h	22	29	35	40	48	55	62	68	75
Compressor	Type	Semi-hermetic Screw								
	Start method	Y-Δ start								
	Quantity(pcs)	1								
	Volume control(%)	0,33,66,100 OR 0,25,50,100								
Input power(kw)	20.6	27.8	35.2	38.7	48.5	51.3	57.7	60.7	66.2	
Refrigerating oil	Type	SUNISO-4GS								
	Filling volume(L)	7	7	7	8	12	16	16	16	18
Refrigerant	Type	R22, R134a, R407c								
	Control method	External balanced thermostatic expansion valve								
	Filling volume(kg)	18	24	30	36	42	48	54	60	66
Evaporator	Type	Shell and tube								
	Pipe diameter(in)	2-1/2"			3"			4"		5"
Condenser	Type	Shell and tube								
	Pipe diameter(in)	2-1/2"			3"			4"		5"
Safty protector		Pressure protection, overload protection, anti-freeze protection, delay protection, over-temperature protection, water flow protection.								
Dimension	Length(mm)	2250	2300	2500	2500	2600	2800	2800	3200	3300
	Width(mm)	800	800	800	800	850	850	850	900	900
	Height(mm)	1450	1450	1550	1500	1700	1700	1800	1800	1800
Weight(kg)		980	1010	1200	1350	1540	1680	1800	1920	2030

1. Testing results under above conditions: Inlet/outlet chilled water temperature -3°C/-15°C, inlet/outlet cooling water temperature 35°C/40°C.

2. The above parameters will be updated continuously. If you need a custom service, please send your technical requirements before placing an order.



Model	SCY-120WL	SCY-130WL	SCY-150WL	SCY-160WL	SCY-180WL	SCY-200WL	SCY-240WL	SCY-260WL	SCY-300WL	
Power supply	3-50Hz-380v( 220V/400V/460V)									
Cooling capacity	kw	166.5	183.3	218.2	230.2	273.1	283.6	330.3	362.8	436.5
	TONS	47.34	52.12	62.04	65.45	77.65	80.64	93.92	103.16	124.11
	Kcal/h	143190	157640	187650	198060	234870	243900	284060	312010	375390
Running current	A	125.2	139.3	161.7	170.8	199.2	205.5	236.8	262.7	313.7
Power consumption	kw	73.4	81.6	94.7	100	116.7	120.4	138.7	153.9	183.8
Freeze water flow	m <sup>3</sup> /h	35	37	45	49	59	63	76	85	103
Cooling water flow	m <sup>3</sup> /h	75	79	88	93	106	112	124	134	155
Compressor	Type	Semi-hermetic Screw								
	Start method	Y- $\Delta$ start								
	Quantity(pcs)	1								
	Volume control(%)	0,33,66,100 OR 0,25,50,100								
	Input power(kw)	73.4	81.6	94.7	100	116.7	120.4	138.7	153.9	183.8
Refrigerating oil	Type	SUNISO-4GS								
	Filling volume(L)	18	18	23	24	24	28	32	32	36
Refrigerant	Type	R22, R134a, R407c								
	Control method	External balanced thermostatic expansion valve								
	Filling volume(kg)	62	66	75	80	92	103	121	126	150
Evaporator	Type	Shell and tube								
	Pipe diameter(in)	5"			6"			8"		
Condenser	Type	Shell and tube								
	Pipe diameter(in)	5"			6"			8"		
Safety protector	Pressure protection, overload protection, anti-freeze protection, delay protection, over-temperature protection, water flow protection.									
Dimension	Length(mm)	3050	3150	3150	3150	3300	3350	3350	3350	3500
	Width(mm)	1060	1060	1060	1108	1150	1150	1200	1200	1200
	Height(mm)	1700	1700	1700	1700	1700	1700	1700	1700	1750
Weight(kg)	2380	2520	2670	2780	2860	3050	3360	3580	3890	
1. Testing results under above conditions: Inlet/outlet chilled water temperature -3 $^{\circ}$ C/-15 $^{\circ}$ C, inlet/outlet cooling water temperature 35 $^{\circ}$ C/40 $^{\circ}$ C.										
2. The above parameters will be updated continuously. If you need a custom service, please send your technical requirements before placing an order.										

# Water-cooled -20°C Low-temperature Screw Chiller

## Introduction

It adopts the internationally famous brand of Taiwan Hanbell and BITZER screw compressors, and the condenser is made of high quality and high efficiency copper tube. It can work perfectly with glycol or salt water.

## Compressors

1. The compressor adopts the international brand new high-efficiency screw type rotary compressor, which is 20-30% more energy efficient than the general compressor.

2. It has obtained patents from many countries in Europe and America, and has passed the ISO9001:2000 international quality certification.

3. Efficient 5:6 patent asymmetrical gear shape.

4. Capacity control can be four-stage (100%-75%-50%-25%) or three-stage (100%-66%-33%) and non-stage control system.

5. The combination design of 11 bearings and A-type axial thrust balancing drum greatly increases the bearing life by 2.5-3.5 times.

6. All-round compressor capacity ratio (V1=2.2/2.6/3.0/3.5) can be selected, which can effectively avoid additional energy consumption due to compressor overload or insufficient compressor pressure.



## Specification

Model		SCY-30WL	SCY-40WL	SCY-50WL	SCY-60WL	SCY-70WL	SCY-80WL	SCY-90WL	SCY-100WL	SCY-110WL
Power supply		3-50Hz-380v( 220V/400V/460V)								
Cooling capacity	kw	33.4	46.6	61.2	66.6	84.5	89.1	105.2	111.1	121.3
	TONS	9.50	13.25	17.40	18.94	24.03	25.33	29.91	31.59	34.49
	Kcal/h	28730	40080	52640	57280	72670	76626	90480	95550	104580
Running current	A	35.2	47.5	61.4	66	82.7	86.7	97.2	101.6	111.3
Power consumption	kw	19.8	26.8	33.9	37.2	46.6	49.3	55.5	58.4	63.6
Freeze water flow	m <sup>3</sup> /h	7.9	11.3	15.4	17.1	22.5	24.7	28.5	29.6	30.8
Cooling water flow	m <sup>3</sup> /h	22	29	35	40	48	55	62	68	75
Compressor	Type	Semi-hermetic Screw								
	Start method	Y-Δ start								
	Quantity(pcs)	1								
	Volume control(%)	0,33,66,100 OR 0,25,50,100								
Input power(kw)	19.8	26.8	33.9	37.2	46.6	49.3	55.5	58.4	63.6	
Refrigerating oil	Type	SUNISO-4GS								
	Filling volume(L)	7	7	7	8	12	16	16	16	18
Refrigerant	Type	R22, R134a, R407c								
	Control method	External balanced thermostatic expansion valve								
	Filling volume(kg)	18	24	30	36	42	48	54	60	66
Evaporator	Type	Shell and tube								
	Pipe diameter(in)	2-1/2"			3"			4"		5"
Condenser	Type	Shell and tube								
	Pipe diameter(in)	2-1/2"			3"			4"		5"
Safty protector		Pressure protection, overload protection, anti-freeze protection, delay protection, over-temperature protection, water flow protection.								
Dimension	Length(mm)	2250	2300	2500	2500	2600	2800	2800	3200	3300
	Width(mm)	800	800	800	800	850	850	850	900	900
	Height(mm)	1450	1450	1550	1500	1700	1700	1800	1800	1800
Weight(kg)		980	1010	1200	1350	1540	1680	1800	1920	2030

1. Testing results under above conditions: Inlet/outlet chilled water temperature -8°C/-20°C, inlet/outlet cooling water temperature 35°C/40°C.

2. The above parameters will be updated continuously. If you need a custom service, please send your technical requirements before placing an order.

Model		SCY-120WL	SCY-130WL	SCY-150WL	SCY-160WL	SCY-180WL	SCY-200WL	SCY-240WL	SCY-260WL	SCY-300WL
Power supply		3-50Hz-380v( 220V/400V/460V)								
Cooling capacity	kw	136.1	149.8	178.3	188.2	223.2	231.8	269.9	296.5	356.7
	TONS	38.70	42.59	50.70	53.51	63.46	65.91	76.74	84.30	101.42
	Kcal/h	117050	128830	153340	161850	191950	199350	232120	254990	306760
Running current	A	121.5	135.1	156.9	165.7	193.2	199.4	229.7	254.8	304.3
Power consumption	kw	71.2	79.1	91.9	97	113.2	116.8	134.6	149.3	178.3
Freeze water flow	m <sup>3</sup> /h	32	35	39	41	47	54	66	72	85
Cooling water flow	m <sup>3</sup> /h	73	76	85	91	104	109	117	128	149
Compressor	Type	Semi-hermetic Screw								
	Start method	Y- $\Delta$ start								
	Quantity(pcs)	1								
	Volume control(%)	0,33,66,100 OR 0,25,50,100								
	Input power(kw)	71.2	79.1	91.9	97	113.2	116.8	134.6	149.3	178.3
Refrigerating oil	Type	SUNISO-4GS								
	Filling volume(L)	18	18	23	24	24	28	32	32	36
Refrigerant	Type	R22, R134a, R407c								
	Control method	External balanced thermostatic expansion valve								
	Filling volume(kg)	62	66	75	80	92	103	121	126	150
Evaporator	Type	Shell and tube								
	Pipe diameter(in)	5"			6"			8"		
Condenser	Type	Shell and tube								
	Pipe diameter(in)	5"			6"			8"		
Safty protector		Pressure protection, overload protection, anti-freeze protection, delay protection, over-temperature protection, water flow protection.								
Dimension	Length(mm)	3050	3150	3150	3150	3300	3350	3350	3350	3500
	Width(mm)	1060	1060	1060	1108	1150	1150	1200	1200	1200
	Height(mm)	1700	1700	1700	1700	1700	1700	1700	1700	1750
Weight(kg)		2380	2520	2670	2780	2860	3050	3360	3580	3890
1. Testing results under above conditions: Inlet/outlet chilled water temperature -8 $^{\circ}$ C/-20 $^{\circ}$ C, inlet/outlet cooling water temperature 35 $^{\circ}$ C/40 $^{\circ}$ C.										
2. The above parameters will be updated continuously. If you need a custom service, please send your technical requirements before placing an order.										

# Projects



Jewelry Industry, Portable Air-cooled Chiller



Stadium, Stationary Air-cooled Chiller



Printing Factory, Air-cooled Chiller



Chemical Factory, Low-temp Water-cooled Chiller



Injection Molding, Cooling Tower



Food Industry, Water-cooled Chiller



Dairy Factory, Low-temp Water-cooled Chiller



Cement Mixing, Water-cooled Chiller

# Projects



Sanitary Ware Factory, Water-cooled Chiller



Mold Industry, Water-cooled Chiller



Laser Machine Cooling, Cooling Tower



Electroplating Factory, Low-temp Water-cooled Chiller



Plastic Industry, Explosion-proof Chiller



PCB Factory, Portable Air-cooled Chiller



Laboratory, Air-cooled Chiller



Silicone Strip Factory, Portable Water-cooled Chiller



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you for  
considering  
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