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杭州山立净化设备股份有限公司
HANGZHOU SHANLI PURIFY EQUIPMENT CORPORATION

BRIEF INTRODUCTION



One corner of the company



About Us

Established in 1997, Hangzhou Shanli Purify Equipment Corporation is a leading enterprise specialized in design, development and production of compressed air dryers, filters and other purification equipments. Our company has a workshop of 30, 000 square meters and more than 300 staff. Shanli has become one of the largest manufacturers in the Chinese purification industry with annual sales turnover USD 22 million. Our self-design and self-made equipment is compatible with many famous air compressor brands to efficiently remove water, oil and dust from compressed air. On basis of ISO 9001, our design, production, test and service of the machine are all well- managed and strictly controlled since 2001.



Quality First

Quality first, excellence is the creed of the practice of Shanli. Shanli has established a clear quality management objective and strict quality management system, covers R & D, production, marketing, service to ensure excellent quality. As a national high-tech enterprises, Shanli has achieved 24 patents, and passed CE, production license, ISO9001. It is the first production license authentication unit in the city, and to be the best intake filters and post-processing purification equipment of various types of oil, oil-free air compressor.

Shanli has complete customer service management system. Responsible for the customer to provide equipment selection related information and equipment configuration program, unconventional products can be tailored according to customer demand for product design, in order to ensure that customers receive high quality products. Moreover, Shanli has a professional after-sales service team, providing customers timely technical advice and efficient problem solving solutions.

Customers

Military Aerospace	Dalian Shipbuilding, Jiangnan Shipbuilding, Shen fei, Xifei, etc.
Automotive industry	Dongfeng Auto, Changhe Motors, Ford Motor, Chang'an Automobile, BYD, etc.
Iron and steel industry	Bao Gang, Shou Gang, Tangshan Gang, Anshan Gang, Wu Gang.
Textile and chemical fiber	Xiaoshan Rongda Sheng, Zhenya Group, Luoyang White Horse Group.
Power industry	Huaneng, Huadian, Guodian, Datang, China Power Investment, Luneng Group.
Food and medicine	Shuanghui, Iraqi forces, Ting Hsin Group, Bright Dairy, Tasly Pharmaceutical.
Petroleum and petrochemicals	Daqing Petrochemical, Sinopec Zhongyuan Oilfield, Qilu Petrochemical.
Building materials industry	The three lions of cement, Fuyao Glass, Luoyang Glass, northern glass, etc.



Applications



Customer
Sincere First
Service

Shanli Products Application Case



Customer lists

Hangzhou oxygen machine Group Co. Ltd.	Changshan Botesi Chemical Fiber Co., Ltd.
Hangzhou Steam Turbine Co., Ltd.	Gymcol.Adhesives (Pinghu)Co., Ltd.
Dongfang Turbine Co., Ltd	Yancheng Xinzhuyu Coating & painting Industry Co., Ltd.
Hangzhou Iron Bed Co. Ltd.	Jiangsu Sanmu Chemical Co., Ltd.
Hangzhou XiZi Forvorda Electrical Machinery Co., Ltd.	Jiangsu Meilan Chemical Co., Ltd.
Weichai Power Co.,Ltd.	Jianxi Debang Chemical Industry Co., Ltd
Wujiang Chinese Trade Machinery Co., Ltd.	Ningbo Longxing Gas Co., Ltd.
Anhui Yugong Wear Resistant Materials Technology Co., Ltd.	Zhoushan Lantian Gas Co., Ltd.
Jiangsu prosperity Wind Energy Technology Co., Ltd.	Jiangdu Xinma Machinery Mold Co., Ltd.
Ningbo Xinwei Traffic Equipment Manufacture Co., Ltd.	Yongkang Zhanglei Gas Co., Ltd.
Deqing Huineng Foundry	Dongfang Turbine Co., Ltd
Changshan Zhengli Machinery & Electric Co., Ltd.	Yong'an Industrial Gas Manufacturing Co., Ltd.
Zhejiang Xinchang Liyuan Casting Co., Ltd.	Zhejiang Fengdeng Chemical & Industry Co., Ltd.
Zhejiang Ivey Metal Co., Ltd.	Dandong Tianmao Gas Co., Ltd.
Shanghai Huazhao Elevator Fittings Co., Ltd.	Hebei medical oxygen factory
Zhoushan Hengtong Machinery Co., Ltd.	Zhoushan Donglian Gas Co., Ltd.
Saint-Gobain (Xuzhou) Ductile Iron Pipes Co., Ltd.	SiChuan E'bian RongCeng gas Co., Ltd.
Jinshang Precision Machine Tool (Zhejiang) Co., Ltd.	Hubei Xishui Blue Sky United Gas Co., Ltd.
Zhejiang Guoguang Biochemistry Co., Ltd.	Yichang Asia Pacific Gas Co., Ltd.
Zhejiang Hareid Chemical Co. Ltd.	Igawa Hiroshigen Gas Technology Co., Ltd.
Zhejiang Hualian Sanxin Petrochemical Co. Ltd.	Jiangsu Xinma Stainless Steel Products Co., Ltd.
Hangzhou Zhengguang Plastic Chemical Co. Ltd.	Jingtang United Iron & Steel Co., Ltd.
Zhejiang Sitong Chemical Fibre Co., Ltd	Hangzhou Cable Co., Ltd.
Hangzhou Huaxin Electric Cable Co. Ltd.	NINGBO QRUNNING(KUKUN) CABLE MANUFACTURING CO., LTD.
Zhejiang Chenguang Cable Co., Ltd.	Jiangxi Electric Power Cable Co., Ltd.
Hei Longjiang World Cable Co., Ltd.	Wuxi Jiangnan Cable Co., Ltd.
Zhang Jiagang Zaxin Special Fiber Co., Ltd.	Zhejiang Tianbao Industrial Co., Ltd.
Huainan Xiangchen Machinery Co., Ltd.	CNMC Albetter Albronze Co., Ltd.
Sichuan Star Cable Co., Ltd.	Zhejiang Fujin New Material Co., Ltd.
Shandong Sanxing Corn Industry Science Co., Ltd	Jiangsu Jinju Alloy Material Co., Ltd.
Hebei Haiwei Traffic Facilities Co., Ltd.	Ningxia Tianxi Chemical Co., Ltd.
Hangzhou Zhongtai Cryogenic Technology Corporation	Chengde Hairun Chemical Co., Ltd.
Xinjiang Tianyun Chemical Co. Ltd.	Shandong Shengchi Chemical Co., Ltd.
Jin'ao Science & Technology Hubei Chemical Co., Ltd.	Shandong Jingbo Petrochemical Industry Co., Ltd
Jiamusi Sunshine Biochemical Co., Ltd.	Sichuan New Torch Chemical Co., Ltd.
Shandong Haili Chemical Industry Co., Ltd.	China National Petroleum Corporation (Daqing Petrochemical Company)
Dongying Hualian Petroleum & Chemical Plant Co., Ltd.	Shandong Tian'an Chemical Co., Ltd.
Xi'an Chulongda Chemical Industry Co., Ltd.	

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SCLF Series Air-cooled Box Type Chiller (7℃)



- Features:
- 1.Advanced scroll compressors or piston compressors
 - 2.International famous-brand refrigeration components;
 - 3.International famous-brand electrical control components;
 - 4.Simple operation and installation.



Specification and Technical Parameter

Item	Model	SCLF-3-C-X	SCLF-5-C-X	SCLF-7-C-X	SCLF-10-C-X	SCLF-12-C-X	SCLF-15-C-X	SCLF-20-C-X	SCLF-25-C-X	SCLF-30-C-S-X	SCLF-40-C-S-X
Refrigerating Capacity	KW	7.55	12.45	18.5	28.4	33	41.6	57	70.8	83.2	114
	× 10 ³ KCal/hr	6.5	10.7	15.9	24.4	28.4	35.8	49.0	60.9	71.5	98.0
Compressor	Qty (pcs)	1	1	1	1	1	1	1	1	2	2
	Refrigerating Input Power	2.3	3.6	5	7.3	8.5	11.2	15.5	21.4	22.4	31
Total Power	KW	2.9	4.5	6.4	9	10.9	13.6	18.3	24.7	25.7	35.3
Condenser	Type	High efficient brass and aluminum foil tightly expansion fin heat exchanger									
Fan	Input Power (KW)	0.2	0.3	0.6	0.9	0.9	0.9	1.4	1.8	1.8	2.7
Evaporator	Type	High efficiency dry type shell and tube heat exchanger									
	Chiller water Flow (m³/h)	1.3	2.1	3.2	4.9	5.7	7.2	9.8	12.2	14.3	19.6
	Connection	DN25			DN40			DN50		DN65	
Safety Protection	Refrigerant high and low pressure protection, current overload protection, frost protection, electronic delay protection										
Power	3Ph 4Line 380V/220V 50HZ										
Dimensions	L (mm)	940	960	1300	1460	1560	1700	1950	2100	2200	2450
	W (mm)	750	750	850	850	850	1000	1150	1250	1250	1350
	H (mm)	1330	1370	1530	1530	1430	1620	1790	1610	1880	1960
Weight	KG	140	210	300	360	450	650	750	1050	1250	1350

- Note:
- 1.Refrigeration condition of above sheet: 12℃ of chilled water inlet temp., 7℃ of chilled water outlet temp., 35℃ of ambient temp.;
 - 2.Safe operating area of units: 9-20 ℃ of chilled water inlet temperature;
 - 3.Compressor adopts imported brand of hermetic compressors with superior performance and strong capability of liquid anti- hammer;
 - 4.Power system: three-phase and four-wire system (380V/220V-50HZ);
 - 5.Refrigerant: R22.

SCLF Series Air-cooled Box Type Chiller (-5℃)



- Features:
- 1.Advanced scroll compressors or piston compressors
 - 2.International famous-brand refrigeration components;
 - 3.International famous-brand electrical control components;
 - 4.Simple operation and installation.



Specification and Technical Parameter

Item	Model	SCLF-3-Z-X	SCLF-5-Z-X	SCLF-7-Z-X	SCLF-10-Z-X	SCLF-12-Z-X	SCLF-15-Z-X	SCLF-20-Z-X	SCLF-25-Z-X	SCLF-30-Z-S-X	SCLF-40-Z-S-X
Refrigerating Capacity	KW	4.75	7.41	11	18.16	20.78	25.9	35.9	45.3	51.8	71.8
	× 10 ³ KCal/hr	4.1	6.4	9.5	15.6	17.9	22.3	30.9	39.0	44.5	61.7
Compressor	Qty (pcs)	1	1	1	1	1	1	1	1	2	2
	Refrigerating Input Power	2.2	3.5	5.1	6.9	7.9	11	15.1	19	22	30.2
Total Power	KW	2.7	4.4	6.4	8.5	10.3	13.4	18	22.3	25.3	35.1
Condenser	Type	High efficient brass and aluminum foil tightly expansion fin heat exchanger									
Fan	Input Power (KW)	0.2	0.3	0.6	0.9	0.9	0.9	1.4	1.8	1.8	2.7
Evaporator	Type	High efficiency dry type shell and tube heat exchanger									
	Chiller water Flow (m³/h)	1.1	1.7	2.6	4.2	4.9	6.1	8.4	10.6	12.1	16.8
	Connection	DN25			DN40			DN50		DN65	
Safety Protection	Refrigerant high and low pressure protection, current overload protection, frost protection, electronic delay protection										
Power	3Ph 4Line 380V/220V 50HZ										
Dimensions	L (mm)	945	960	1300	1465	1565	1700	1950	2100	2200	2450
	W (mm)	900	900	850	850	850	1000	1150	1250	1250	1350
	H (mm)	1330	1375	1530	1530	1430	1625	1790	1610	1885	1965
Weight	KG	140	210	300	360	450	650	750	1050	1250	1350

- Note:
- 1.Cooling conditions: Chilled glycol cold water inlet temperature -1℃, water inlet temperature -5℃, ambient temperature 35℃
 - 2.This series of units used in low temperature conditions, shall use 25% ethylene glycol, 20% calcium chloride antifreeze as coolants.
 - 3.The unit uses European and American imported hermetic compressors, superior performance, strong anti liquid strike capability.
 - 4.Power: three-phase four-wire system, 380V / 220V / 50HZ.
 - 5.Refrigerant:R22.

SCLW Series Water-cooled Box Type Chiller (7℃)



- Features:
- 1.It adopts the international most famous scroll compressor or piston compressor.
 - 2.Using world famous refrigeration components.
 - 3.Electrical control components are all well-known brand.
 - 4.No foundation installation, simple operation.



Specification and Technical Parameter

Item	Model	SCLW-3-C-X	SCLW-5-C-X	SCLW-7-C-X	SCLW-10-C-X	SCLW-12-C-X	SCLW-15-C-X	SCLW-20-C-X	SCLW-25-C-X	SCLW-30-C-S-X	SCLW-40-C-S-X
Refrigerating Capacity	KW	8.15	13.45	19.9	29.9	34.7	44.3	60.7	75	88.6	121.4
	× 10 ³ KCal/hr	7.0	11.6	17.1	25.7	29.8	38.1	52.2	64.5	76.2	104.4
Compressor	Qty (pcs)	1	1	1	1	1	1	1	1	2	2
	Refrigerating Input Power	2	3.1	4.3	6.2	7.2	9.7	13.4	17.1	19.4	26.8
Total Power	KW	2.4	3.7	5.1	7	8.7	11.2	14.9	18.6	20.9	29
Condenser	Type	High efficient brass and aluminum foil tightly expansion fin heat exchanger									
	Chiller water Flow (m³/h)	2.2	3.7	6.5	7.3	8.4	11	14.1	16.7	22	28.2
	Connection	DN25			DN40			DN50		DN65	
Evaporator	Type	High efficiency dry type shell and tube heat exchanger									
	Chiller water Flow (m³/h)	1.4	2.3	3.4	5.1	6.0	7.6	10.4	12.9	15.2	20.9
	Connection	DN25			DN40			DN50		DN65	
Safety Protection	Refrigerant high and low pressure protection, current overload protection, frost protection, electronic delay protection										
Power	3Ph 4Line 380V/220V 50HZ										
Dimensions	L (mm)	1200	1300	1445	1445	1445	1700	1850	2005	2260	2450
	W (mm)	750	750	850	850	850	900	900	900	1000	1200
	H (mm)	900	1100	1200	1200	1200	1200	1215	1215	1200	1280
Weight	KG	150	220	310	360	450	450	650	1050	1250	1350

- Note:
- 1.Refrigeration conditions: Chilled water inlet temperature 12℃ , outlet temperature 7℃ , Cooling water inlet temperature 30℃ , outlet temperature 35℃ .
 - 2.The safe working limit: Cold water inlet temperature 9-20℃ .
 - 3.This series use hermetic compressors imported from Europe and America with superior performance and strong anti hydraulic capacity.
 - 4.Power system: Three-phase four-wire system 380v/220V 50HZ.
 - 5.Refrigerant: R22.

SCLW Series Water-cooled Box Type Chiller (-5℃)

Specification and Technical Parameter

Item	Model	SCLW-3-Z-X	SCLW-5-Z-X	SCLW-7-Z-X	SCLW-10-Z-X	SCLW-12-Z-X	SCLW-15-Z-X	SCLW-20-Z-X	SCLW-25-Z-X	SCLW-30-Z-S-X	SCLW-40-Z-S-X
Refrigerating Capacity	KW	5.17	8.17	11.8	19.02	21.86	27.3	37.8	47.7	54.6	75.6
	× 10 ³ KCal/hr	4.4	7.0	10.1	16.4	18.8	23.5	32.5	41.0	46.9	65.0
Compressor	Qty (pcs)	1	1	1	1	1	1	1	1	2	2
	Refrigerating Input Power	1.9	3	4.5	6.2	7.2	10	13.6	17.1	20	27.2
Total Power	KW	2.3	3.6	5.3	7	8.7	11.5	15.1	18.6	21.5	29.4
Condenser	Type	High efficient brass and aluminum foil tightly expansion fin heat exchanger									
	Chiller water Flow (m³/h)	1.8	3	5.2	5.9	8	8.9	11.5	13.6	17.7	22.9
		DN25			DN40			DN50		DN65	
Evaporator	Type	High efficiency dry type shell and tube heat exchanger									
	Chiller water Flow (m³/h)	1.2	1.9	2.8	4.4	5.1	6.4	8.8	11.2	12.8	17.7
	Connection	DN25			DN40			DN50		DN65	
Safety Protection	Refrigerant high and low pressure protection, current overload protection, frost protection, electronic delay protection										
Power	3Ph 4Line 380V/220V 50HZ										
Dimensions	L (mm)	1200	1450	1450	1445	1445	1700	2005	2005	2260	2450
	W (mm)	800	800	850	850	850	900	1050	1050	1050	1200
	H (mm)	900	1100	1100	1200	1200	1200	1215	1215	1200	1280
Weight	KG	150	220	310	360	450	650	750	1050	1250	1350

- Instruction:
- 1.Table refrigeration conditions: Freezing glycol cold water inlet temperature -1℃, outlet temperature -5℃, Cooling water inlet temperature 30℃, outlet temperature 35℃.
 2. This series of units used in low temperature conditions, 25% ethylene glycol, 20% calcium chloride and other antifreeze shall be used as refrigerating medium.
 - 3.This series use hermetic compressors imported from Europe and America with superior performance and strong anti hydraulic capacity.
 - 4.Power system: Three-phase four-wire system 380v/220V 50HZ
 - 5.Refrigerant: R22

SCLW Series Water-cooled Box Type Chiller (-15℃)

Specification and Technical Parameter

Item	Model	SCLW-5-D-X	SCLW-7-D-X	SCLW-10-D-X	SCLW-12-D-X	SCLW-15-D-X	SCLW-20-D-X	SCLW-25-D-X	SCLW-30-D-S-X	SCLW-40-D-S-X
Refrigerating Capacity	KW	4.6	7.1	12.52	14.14	17.3	24.9	31.4	34.6	49.8
	× 10 ³ KCal/hr	4.0	6.1	10.8	12.2	14.9	21.4	27.0	29.8	42.8
Compressor	Qty (pcs)	1	1	1	1	1	1	1	2	2
	Refrigerating Input Power	2.9	4.5	6.1	7	9.8	13.4	16.8	19.6	26.8
Total Power	KW	3.4	5.2	6.8	8.5	11.3	14.9	18.3	21.1	28.7
Condenser	Type	High efficient brass and aluminum foil tightly expansion fin heat exchanger								
	Chiller water Flow (m³/h)	2.9	5.1	6.6	8	10.7	13.6	17.4	21.4	27.2
		DN25		DN40			DN50		DN65	
Evaporator	Type	High efficiency dry type shell and tube heat exchanger								
	Chiller water Flow (m3/h)	1.2	1.8	3.2	3.6	4.4	6.3	8.0	8.8	12.6
	Connection	DN25		DN40			DN50		DN65	
Safety Protection	Refrigerant high and low pressure protection, current overload protection, frost protection, electronic delay protection									
Power	3Ph 4Line 380V/220V 50HZ									
Dimensions	L (mm)	1450	1500	1500	1650	1900	1900	2200	2260	2450
	W (mm)	850	1050	1050	1050	1200	1200	1200	1300	1200
	H (mm)	1200	1100	1200	1250	1400	1400	1200	1580	1280
Weight	KG	220	310	360	450	650	750	1050	1250	1350

- Instruction:
- 1.Table refrigeration conditions: Freezing glycol cold water inlet temperature -11℃, outlet temperature -15℃, Cooling water inlet temperature 30℃, outlet temperature 35℃.
 - 2.This series of units used in low temperature conditions, 40% ethylene glycol, 25% calcium chloride and other antifreeze shall be used as refrigerating medium.
 - 3.This series use hermetic compressors imported from Europe and America with superior performance and strong anti hydraulic capacity.
 - 4.Power system: Three-phase four-wire system 380v/220V 50HZ
 - 5.Refrigerant: R22

SWLS Series Water-cooled Screw Type Chiller(Single/7 C)

Superior Performance:

- 1.The compressor adopts the international advanced semi-closed screw compressor with motor and compressor integration which should regardless of the shaft seal leakage.
- 2.Compressor adopts unloading step-down start to avoid the impact on the grid.

Easy installation:

- 1.Compact design with small footprint and saving room space.
- 2.When leaving factory, R22 refrigerant and lubricating oil have been injected into the machine to reduce the installation time and cost.
- 3.The machine has been installed the flow switch when leaving the factory.
- 4.Minimal vibration and without shock measures on basis which easy to install.
- 5.Just connect the evaporator and condensate pipes during installation.

Low running maintenance cost:

- 1.Compressor can realize the intelligent process control according to different load 100%, 75%,50% (or start), 0% and save energy consumption.
- 2.The total parts of the screw compressor is only one-tenth of the reciprocating screw compressor. Simple structure, less wearing parts, no air intake valve, no exhaust valve, not sensitive to wet stroke and low failure rate.
- 3.Screw compressor failure-free operation of up to 40000 hours.

Microcomputer control:

- 1.Germany's Siemens' PLC programmable touch panel controller. Chinese display of the man-machine interface.
- 2.Automatic monitoring of chilled water outlet temperature. Through the PLC automatic control slide valve, automatic adjustment compressor, reduce energy consumption.
- 3.Straightforward, PLC directly display for all water running temperature and runtime.

Refrigeration components/electrical components:

- 1.The chiller adopts the electric control system and refrigeration system with relay, thermal protector, expansion valve and pressure controller.
- 2.Dry filter and other main components use world famous brand products which greatly improve the reliability.

Complete security protection function:

- 1.Pressure protection: high pressure and low pressure protection device.
- 2.Motor protection, voltage protection, open phase protection, inverse phase protection, overload protection.
- 3.Compressor motor overheating protection: when the temperature of the motor is overheating, the machine stop.
- 4 Freeze protection: when the water temperature through low, machine stop.
- 5.Safety valve protection: when the refrigerant pressure exceeds a certain value, the safety valve will automatically open.
- 6.Above protections make the chiller running safe and stable.

Screw compressor features:

- 1.High efficiency molded lines.
- 2.Double rotor body with pressure compensation functions.
- 3.Long life bearing.
- 4.Patented precision manufacturing process.
- 5.Euro ASERCOM certification.
- 6.Low vibration, low noise.



Specification and Technical Parameter

Item	Model	SCLW-100-C-L	SCLW-120-C-L	SCLW-150-C-L	SCLW-170-C-L	SCLW-210-C-L	SCLW-240-C-L	SCLW-270-C-L	SCLW-340-C-L	SCLW-370-CL	SCLW-420-C-L	SCLW-510-C-L	SCLW-590-C-L	SCLW-670-C-L
Refrigerating Capacity	KW	116.7	146.4	179.9	202	247	281	321	396	437	492	600	690	781
	× 10 ³ KCal/hr	100.3	125.9	154.7	173.7	212.4	241.6	276.0	340.5	375.8	423.0	515.9	593.3	671.5
Compress-or	Type	Advanced asymmetric semi-closed double screw												
	Refrigerating Input Power (kW)	29	36	39.2	44.3	54.2	61.9	70.5	86.1	93	108.1	129.8	147	164.7
	Capacity Control	0-50-75-100%(25% Start)												
Condens-er	Connection	DN65			DN80		DN100			DN125		DN150		
	Cooling water Flow (m³/h)	24	31.7	39	47.8	53.1	58.4	70	84	92	108	130	149	170
	Water Pressure Drop Kpa	≤76												
Evaporat-or	Connection	DN65			DN80		DN100			DN125		DN150		
	Chiller water Flow (m³/h)	20.1	25.2	30.9	34.7	42.5	48.3	55.2	68.1	75.2	84.6	103.2	118.7	134.3
	Water Pressure Drop Kpa	≤76												
Safety Protection		Refrigerant high and low pressure protection, current overload protection, frost protection, electronic delay protection												
Dimen-sions	L (mm)	2400	2400	2600	2800	3000	3000	3000	3200	3200	3200	3200	3300	3500
	W (mm)	900	900	900	900	1100	1100	1100	1100	1100	1100	1100	1100	1100
	H (mm)	1400	1400	1500	1500	1600	1800	1800	1800	2000	2100	2100	2100	2100
Noise	dB(A)	64	65	66	66	66	68	68	68	69	70	72	72	73
Weight	KG	900	1100	1300	1500	1700	1800	1900	2400	2650	2800	2900	3300	3550

Note:

- 1.Refrigeration conditions: chilled water inlet temperature 12 ℃ , chilled water outlet temperature 7 ℃ , Cooling water inlet temperature 30 ℃ , temperature difference 5 ℃ .
- 2.This series of chiller working scope: chilled water inlet temperature 5-20 ℃ .
- 3.This series chiller adopts Europe and the United States imported semi-hermetic compressor, with superior performance and strong resistant ability of the liquid impact.
- 4.The power supply system: three phase four wire system 380 v / 220 v / 50 hz.
- 5.The noise measurement location for the front from the host of 2 m, 1.5 m high, average around four o 'clock.
- 6.Refrigerant:R22.

SCLW Series Water-cooled Screw Type Chiller (Single/-5 ℃)

Specification and Technical Parameter

Item	Model	SCLW-100-Z-L	SCLW-120-Z-L	SCLW-160-Z-L	SCLW-170-Z-L	SCLW-210-Z-L	SCLW-240-Z-L	SCLW-270-Z-L	SCLW-340-Z-L	SCLW-370-Z-L	SCLW-420-Z-L	SCLW-510-Z-L	SCLW-590-Z-L	SCLW-670-Z-L
Refrigerating Capacity	KW	73.7	92.4	112.3	124	154.4	175.6	199.6	249	276	311	377	440	492
	× 10 ³ KCal/hr	63.4	79.4	96.6	106.6	132.8	151.0	171.6	214.1	237.3	267.4	324.2	378.3	423.0
Compressor	Type	Advanced asymmetric semi-closed double screw												
	Refrigerating Input Power KW	26.1	32.3	39.2	44.3	53.8	61.5	70	85.4	92.9	108	127.5	144.4	158.9
	Capacity Control	0-50-75-100%(25% Start)												
Condenser	Connection	DN65			DN80		DN100			DN125		DN150		
	Cooling water Flow (m³/h)	27	32	49	49	55	62	88	103	114	129	156	177	190
	Water Pressure Drop Kpa	≤76												
Evaporator	Connection	DN65			DN80		DN100			DN125		DN150		
	Chiller water Flow (m³/h)	17.2	21.6	26.3	29.0	36.1	41.0	46.7	58.2	64.5	72.7	88.1	102.9	115.0
	Water Pressure Drop Kpa	≤76												
Safety Protection	Refrigerant high and low pressure protection, current overload protection, frost protection, electronic delay protection													
Dimensions	L (mm)	2400	2400	2600	2800	3000	3000	3000	3200	3200	3200	3200	3300	3500
	W (mm)	900	900	900	900	1100	1100	1100	1100	1100	1100	1100	1100	1100
	H (mm)	1400	1400	1500	1500	1600	1800	1800	1800	2000	2100	2100	2100	2100
Noise	dB(A)	64	65	66	66	66	68	68	68	69	70	72	72	73
Weight	KG	900	1100	1300	1500	1700	1800	1900	2400	2650	2800	2900	3300	3550

Instruction:

- 1.Table refrigeration conditions: Freezing glycol cold water inlet temperature -1℃, outlet temperature -5℃, Cooling water inlet temperature 30℃.
- 2.This series of units used in low temperature conditions, 25% ethylene glycol, 20% calcium chloride and other antifreeze shall be used as refrigerating medium.
- 3.This series use hermetic compressors imported from Europe and America with superior performance and strong anti hydraulic capacity.
- 4.Power system: Three-phase four-wire system 380v/220V 50HZ.
- 5.Noise measurement position should be from 2 meters in front of the host, 1.5 meters high, the average of all around four points.
- 6.Refrigerant: R22.

SCLW Series Water-cooled Screw Type Chiller (Single/-15 ℃)

Specification and Technical Parameter

Item	Model	SCLW-100-D-L	SCLW-120-D-L	SCLW-150-D-L	SCLW-170-D-L	SCLW-210-D-L	SCLW-240-D-L	SCLW-270-D-L	SCLW-340-D-L	SCLW-370-D-L	SCLW-510-D-L	SCLW-590-D-L	SCLW-670-D-L	
Refrigerating Capacity	KW	57.9	71.4	84.9	97.7	117.4	129.7	145.1	158.4	194.1	213	244	279	320
	× 10 ³ KCal/hr	49.8	61.4	73.0	84.0	100.9	111.5	124.8	136.2	166.9	183.1	209.8	239.9	275.2
Compressor	Type	Advanced asymmetric semi-closed double screw												
	Refrigerating Input Power KW	27.3	33.4	42.4	47.7	54.3	62.1	69.9	77.9	88.7	95.3	107.1	129.5	139.4
	Capacity Control	0-50-75-100%(25% Start)												
Condenser	Connection	DN65			DN80		DN100			DN125		DN150		
	Cooling water Flow (m³/h)	28	34	42	45	48	71	82	85	108	114	122	130	150
	Water Pressure Drop Kpa	≤76												
Evaporator	Connection	DN65			DN80		DN100			DN125		DN150		
	Chiller water Flow (m³/h)	14.7	18.1	21.5	24.8	29.8	32.9	36.8	40.2	49.2	54.0	61.9	70.7	81.1
	Water Pressure Drop Kpa	≤76												
Safety Protection	Refrigerant high and low pressure protection, current overload protection, frost protection, electronic delay protection													
Dimensions	L (mm)	2400	2400	2600	2800	3000	3000	3000	3200	3200	3200	3200	3300	3500
	W (mm)	900	900	900	900	1100	1100	1100	1100	1100	1100	1100	1100	1100
	H (mm)	1400	1400	1500	1500	1600	1800	1800	1800	2000	2100	2100	2100	2100
Noise	dB(A)	64	65	66	66	66	68	68	68	69	70	72	72	73
Weight	KG	900	1100	1300	1500	1700	1800	1900	2400	2650	2800	2900	3300	3550

Instruction:

- 1.Table refrigeration conditions: Freezing glycol cold water inlet temperature -11℃, outlet temperature -15℃, Cooling water inlet temperature 30℃, 5℃ temperature difference.
- 2.This series of units used in low temperature conditions, 40% ethylene glycol, 25% calcium chloride and other antifreeze shall be used as refrigerating medium.
- 3.This series use hermetic compressors imported from Europe and America with superior performance and strong anti hydraulic capacity.
- 4.Power system: Three-phase four-wire system 380v/220V 50HZ.
- 5.Noise measurement position should be from 2 meters in front of the host, 1.5 meters high, the average of all around four points.
- 6.Refrigerant: R22.

SCLW Series Water-cooled Screw Type Chiller (Double / 7 ℃)

Excellent Performance :

- 1.The unit adopts international advanced semi-closed screw compressor, motor, compressor integration, no leakage of shaft seal.
- 2. Two sets of compressors are equipped with start and stop reincarnation control procedures, balance load components life extension.
- 3. Double compressors with dual refrigeration circuit, one circuit under maintenance, the rest of the circuit can still be normal operation, with standby function.
- 4. Compressor adopts unloading step-down start to avoid the impact on the grid.

Easy to install:

- 1 compact structure of the unit, small footprint, saving space.
- 2 the machine is injected with R22 refrigerant and lubricants, reducing installation time and costs.
- 3 the machine is equipped with water switch.
- 4 very little vibration.
- 5 only connect evaporator and condensate lines when install.

Low operation and maintenance costs:

- 1 The unit can realize intelligent control of the program according to the needs of load : 100%, 75%, 50%, 25% (or start, 0). Energy saving.
- 2 Screw compressor parts total only 1/10 I reciprocating, simple structure, less wearing parts, no inlet and outlet valves, not sensitive to the wet stroke, low failure rate.
- 3. Screw compressor can reach 40,000 hours trouble-free operation.

Microcomputer control:

- 1. Germany "SIEMENS" PLC programmable touch controller. Man-machine interface display.
- 2. Automatic monitoring of cold water temperature. Through the PLC automatic control valve, automatically adjust the compressor, reducing energy consumption.
- 3. Intuitive and clear, directly display water temperature and running time (By PLC) .

Refrigeration components / electrical components:

- 1.The unit adopts electrical control systems and refrigeration systems, relays, thermal protection, expansion valve, pressure controller.
- Drying filter and other major components are world famous brand, greatly improve the reliability of the machine.

Complete Security protection function:

- 1. Pressure protection: high-voltage protection and low-voltage protection device.
- 2. Motor protection: loss of voltage protection, phase failure protection, reverse phase protection, overload protection.
- 3. Compressor motor overheating protection: When the motor temperature is too high, the unit will shutdown.
- 4. Frost protection: When the chilling water temperature is too low, the unit will stop.
- 5. Safety valve protection: When the freezing pressure exceeds a certain value, the safety vent valve will automatically open.

Screw Compressor Features.

- 1. high efficiency of the line.
- 2. double-layer with pressure compensation function of the rotor body.
- 3. Long bearing life.
- 4. Patented high-precision manufacturing process.
- 5. European ASERCOM certification.
- 6. Low vibration, low noise.



Specification and Technical Parameter

Item	Model	SCLW-200 -C-S-L	SCLW-250 -C-S-L	SCLW-300 -C-S-L	SCLW-400 -C-S-L	SCLW-420 -C-S-L	SCLW-480 -C-S-L	SCLW-550 -C-S-L	SCLW-680 -C-S-L	SCLW-750 -C-S-L	SCLW-840 -C-S-L	SCLW-1000 -C-S-L	SCLW-1150 -C-S-L	SCLW-1300 -C-S-L
Refrigerating Capacity	KW	233.4	292.8	359.8	404	494	562	642	792	874	984	1200	1380	1562
	× 10 ³ KCal/hr	200.7	251.8	309.4	347.4	424.8	483.2	552.0	681.0	751.5	846.1	1031.8	1186.6	1343.1
Compressor	Type	Advanced asymmetric semi-closed double screw												
	Refrigerating Input Power KW	58	72	78.4	88.6	108.4	123.8	141	172.2	186	216.2	259.6	294	329.4
	Capacity Control	0-25-37.5-50-62.5-75-87.5-100%(25% Start)												
Condenser	Connection	DN80	DN100	DN125			DN150			DN200			DN250	
	Cooling water Flow (m³/h)	48	63	78	96	106	117	140	168	184	216	260	298	340
	Water Pressure Drop Kpa	≤76												
Evaporator	Connection	DN80	DN100		DN125					DN150			DN200	
	Chiller water Flow (m³/h)	40.1	50.4	61.9	69.5	85.0	96.7	110.4	136.2	150.3	169.2	206.4	237.4	268.7
	Water Pressure Drop Kpa	≤76												
Safety Protection		Refrigerant high and low pressure protection, current overload protection, frost protection, electronic delay protection												
Dimensions	L (mm)	3300	3300	3500	3500	3500	3800	3800	3800	3950	3950	3950	3950	3950
	W (mm)	900	900	1100	1100	1300	1300	1300	1300	1300	1300	1300	1500	1500
	H (mm)	1500	1500	1600	1600	1800	2000	2000	2000	2000	2000	2000	2300	2300
Noise	dB(A)	67	68	69	69	69	71	71	71	72	73	75	75	76
Weight	KG	1600	1800	2400	2400	2850	3300	3850	4200	5350	5800	5950	6200	7550

Note:

- 1.Refrigeration conditions: chilled water inlet temperature 12 ℃ , cold water temperature 7 ℃ , cooling water 30 ℃ , temperature difference 5 ℃
- 2.series of units working range: chilled water inlet temperature 5-20℃
- 3.This series of units using screw compressors, superior performance.
- 4. Power supply system: three-phase four-wire system 380V / 220V 50HZ
- 5. Noise measurement position is 2m from the front of the host, 1.5m high, around the four-point average.
- 6. Refrigerant R22.

SCLW Series Water-cooled Screw Type Chiller (Double / -5 ℃)

Specification and Technical Parameter

Item	Model	SCLW-200 -Z-S-L	SCLW-250 -Z-S-L	SCLW-300 -Z-S-L	SCLW-340 -Z-S-L	SCLW-420 -Z-S-L	SCLW-480 -Z-S-L	SCLW-550 -Z-S-L	SCLW-680 -Z-S-L	SCLW-750 -Z-S-L	SCLW-840 -Z-S-L	SCLW-1000 -Z-S-L	SCLW-1150 -Z-S-L	SCLW-1300 -Z-S-L
Refrigerating Capacity	KW	147.4	184.8	224.6	248	308.8	351.2	399.2	498	552	622	754	880	984
	× 10 ³ KCal/hr	126.7	158.9	193.1	213.2	265.5	302.0	343.3	428.2	474.6	534.8	648.3	756.7	846.1
Compressor	Type	Advanced asymmetric semi-closed double screw												
	Refrigerating Input Power KW	52.2	64.6	78.4	88.6	107.6	123	140	170.8	185.8	216	255	288.8	317.8
	Capacity Control	0-25-37.5-50-62.5-75-87.5-100%(25% Start)												
Condenser	Connection	DN80	DN100	DN125			DN150		DN200			DN250		
	Cooling water Flow (m³/h)	48	64	80	98	110	124	150	200	228	258	300	330	360
	Water Pressure Drop Kpa	≤76												
Evaporator	Connection	DN100				DN125				DN150		DN200		
	Chiller water Flow (m³/h)	34.5	43.2	52.5	58.0	72.2	82.1	93.3	116.4	129.0	145.4	176.3	205.7	230.0
	Water Pressure Drop Kpa	≤76												
Safety Protection	Refrigerant high and low pressure protection, current overload protection, frost protection, electronic delay protection													
Dimensions	L (mm)	3300	3300	3500	3500	3500	3800	3800	3800	3950	3950	3950	3950	3950
	W (mm)	900	900	1100	1100	1300	1300	1300	1300	1300	1300	1300	1500	1500
	H (mm)	1500	1500	1600	1600	1800	2000	2000	2000	2000	2000	2000	2300	2300
Noise	dB(A)	67	68	69	69	69	71	71	71	72	73	75	75	76
Weight	KG	1600	1800	2400	2400	2850	3300	3850	4200	5350	5800	5950	6200	7550

Note:

- 1.Refrigeration conditions: Chilled glycol cold water inlet temperature -1 ℃ , water inlet temperature -5 ℃ , cooling water 30 ℃ .
- 2.This series of units used in low temperature conditions, shall use 25% ethylene glycol, 20% calcium chloride antifreeze as coolants.
- 3.The unit uses European and American impored hermetic compressors, superior performance, strong anti liquid strike capability.
- 4.Power: three-phase four-wire system, 380V / 220V / 50HZ.
- 5.Noise measurement position is 2m from the front of the host, 1.5m high, around the four-point average.
- 6.Refrigerant: R22.

SCLW Series Water-cooled Screw Type Chiller (Double / -15 ℃)

Specification and Technical Parameter

Item	Model	SCLW-200 -D-S-L	SCLW-250 -D-S-L	SCLW-300 -D-S-L	SCLW-340 -D-S-L	SCLW-420 -D-S-L	SCLW-480 -D-S-L	SCLW-550 -D-S-L	SCLW-680 -D-S-L	SCLW-750 -D-S-L	SCLW-840 -D-S-L	SCLW-1000 -D-S-L	SCLW-1150 -D-S-L	SCLW-1300 -D-S-L
Refrigerating Capacity	KW	115.8	142.8	169.8	195.4	234.8	259.4	290.2	316.8	388.2	426	488	558	640
	× 10 ³ KCal/hr	99.6	122.8	146.0	168.0	201.9	223.0	249.5	272.4	333.8	366.3	419.6	479.8	550.3
Compressor	Type	Advanced asymmetric semi-closed double screw												
	Refrigerating Input Power KW	54.6	66.8	84.8	95.4	108.6	124.2	139.8	155.8	177.4	190.6	214.2	259	278.8
	Capacity Control	0-25-37.5-50-62.5-75-87.5-100%(25% Start)												
Condenser	Connection	DN100		DN125			DN150			DN200				DN250
	Cooling water Flow (m³/h)	56	66	84	90	96	119	150	165	190	212	240	256	300
	Water Pressure Drop Kpa	≤76												
Evaporator	Connection	DN100		DN125					DN150		DN200			
	Chiller water Flow (m³/h)	29.4	36.2	43.0	49.5	59.5	65.8	73.6	80.3	98.4	108.0	123.7	141.5	162.3
	Water Pressure Drop Kpa	≤76												
Safety Protection	Refrigerant high and low pressure protection, current overload protection, frost protection, electronic delay protection													
Dimensions	L (mm)	3300	3300	3500	3500	3500	3800	3800	3800	3950	3950	3950	3950	3950
	W (mm)	900	900	1100	1100	1300	1300	1300	1300	1300	1300	1300	1500	1500
	H (mm)	1500	1500	1600	1600	1800	2000	2000	2000	2000	2000	2000	2300	2300
Noise	dB(A)	67	68	69	69	69	71	71	71	72	73	75	75	76
Weight	KG	1600	1800	2400	2400	2850	3300	3850	4200	5350	5800	5950	6200	7550

Note:

- 1.Refrigeration conditions: Chilled glycol cold water inlet temperature -11 ℃ , water inlet temperature -15 ℃ , cooling water 30 ℃ , temperature difference 5 ℃ .
- 2.This series of units used in low temperature conditions, shall use 40% ethylene glycol, 25% calcium chloride antifreeze as coolants.
- 3.The unit uses European and American impored hermetic compressors, superior performance, strong anti liquid strike capability.
- 4.Power: three-phase four-wire system, 380V / 220V / 50HZ.
- 5.Noise measurement position is 2m from the front of the host, 1.5m high, around the four-point average.
- 6.Refrigerant: R22.

SWLS Series Flooded Type Chiller(Single/7℃)

Superior performance:

- 1.Compared with dry evaporator, the flooded type evaporator has a higher evaporation temperature which has higher refrigerating capacity and COP with energy saving.
- 2.The compressor adopts the international advanced semi-closed screw compressor with motor and compressor integration which should regardless of the shaft seal leakage.
- 3.Compressor adopts unloading step-down start to avoid the impact on the grid.

Easy installation:

- 1.Compact design with small footprint and saving room space.
- 2.When leaving factory, R22 refrigerant and lubricating oil have been injected into the machine to reduce the installation time and cost.
- 3.The machine has been installed the flow switch when leaving the factory.
- 4.Minimal vibration and without shock measures on basis which easy to install.
- 5.Just connect the evaporator and condensate pipes during installation.

Low running maintenance cost :

- 1.Compressor can realize the intelligent process control according to different load 100%, 75%,50% (or start), 0% and save energy consumption.
- 2.The total parts of the screw compressor is only one-tenth of the reciprocating screw compressor. Simple structure, less wearing parts, no air intake valve, no exhaust valve, not sensitive to wet stroke and low failure rate.
- 3.Screw compressor failure-free operation of up to 40000 hours.

Microcomputer control:

- 1.Germany's Siemens' PLC programmable touch panel controller. Chinese display of the man-machine interface.
- 2Automatic monitoring of chilled water outlet temperature. Through the PLC automatic control slide valve, automatic adjustment compressor, reduce energy consumption
- 3.Straightforward, PLC directly display for all water running temperature and runtime

Refrigeration components/electrical components:

- 1.The chiller adopts the electric control system and refrigeration system with relay, thermal protector, expansion valve and pressure controller.
- 2.Dry filter and other main components use world famous brand products which greatly improve the reliability.

Complete security protection function:

- 1.Pressure protection: high pressure and low pressure protection device.
- 2.Motor protection, voltage protection, open phase protection, inverse phase protection, overload protection.
- 3.Compressor motor overheating protection: when the temperature of the motor is overheating, the machine stop.
- 4.Freeze protection: when the water temperature through low, machine stop.
- 5.Safety valve protection: when the refrigerant pressure exceeds a certain value, the safety valve will automatically open.
- 6.Above protections make the chiller running safe and stable.

Screw compressor features:

- 1.High efficiency molded lines.
- 2.Double rotor body with pressure compensation functions.
- 3.Long life bearing.
- 4.Patented precision manufacturing process.
- 5.Euro ASERCOM certification.
- 6.Low vibration, low noise.



Specification and Technical Parameter

Item	Model	SCLW-110-C-L	SCLW-140-C-L	SCLW-160-C-L	SCLW-190-C-L	SCLW-240-C-L	SCLW-270-C-L	SCLW-310-C-L	SCLW-380-C-L	SCLW-420-C-L	SCLW-470-C-L	SCLW-580-C-L	SCLW-660-C-L	SCLW-780-C-L
Refrigerating Capacity	KW	129.9	163.0	190.8	222.0	276.0	314.0	358.0	441.0	486.0	547.0	670.0	767.0	882.0
	× 10 ³ KCal/hr	111.7	140.2	164.1	190.9	237.3	270.0	307.8	379.2	417.9	470.3	576.1	659.5	758.4
Compressor	Type	Advanced asymmetric semi-closed double screw												
	Refrigerating Input Power KW	29.4	36.5	44.5	50.5	54.4	62.2	70.9	86.5	93.5	108.7	131.1	148.5	166.8
	Capacity Control	0-50-75-100%(25% Start)												
Condenser	Connection	DN65			DN80		DN100			DN125		DN150		
	Cooling water Flow (m ³ /h)	27.4	34.3	40.5	46.9	56.8	64.7	73.8	90.7	99.7	112.8	137.8	157.5	180.4
	Water Pressure Drop Kpa	≤76												
Evaporator	Connection	DN65			DN80		DN100			DN125		DN150		
	Chiller water Flow (m ³ /h)	22.3	28.0	32.8	38.2	47.5	54.0	61.6	75.9	83.6	94.1	115.2	131.9	151.7
	Water Pressure Drop Kpa	≤76												
Safety Protection		Refrigerant high and low pressure protection, current overload protection, frost protection, electronic delay protection												
Dimensions	L (mm)	2400	2600	2800	3000	3000	3000	3200	3200	3200	3200	3300	3500	3500
	W (mm)	900	900	900	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
	H (mm)	1400	1500	1500	1600	1800	1800	1800	2000	2100	2100	2100	2100	2100
Noise	dB(A)	65	66	66	66	68	68	68	69	70	72	72	73	73
Weight	KG	1100	1300	1500	1700	1800	1900	2400	2650	2800	2900	3300	3550	3750

Explain:

- 1.Refrigeration conditions: chilled water inlet temperature 12℃, chilled water outlet temperature 7℃, Cooling water inlet temperature 30℃, temperature difference 5℃.
- 2.This series of chiller working scope: chilled water inlet temperature 5-20℃.
- 3.This series chiller adopts Europe and the United States imported semi-hermetic compressor, with superior performance and strong resistant ability of the liquid impact.
- 4.The power supply system: three phase four wire system 380 v / 220 v / 50 hz.
- 5.The noise measurement location for the front from the host of 2 m, 1.5 m high, average around four o'clock.
- 6.Refrigerant:R22.