TEKiN

TEKiN



AIR COOLED CHILLER

WATER COOLED CHILLER

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About Us

TEKIN specializes in designing industrial cooling systems and chillers for clients worldwide. Our team takes pride in delivering top-notch quality, reliability, and customer satisfaction. With over 16 years of experience, our knowledgeable sales and support staff are well-versed in different industrial processes that require cooling solutions. This enables us to provide timely recommendations for your specific needs.

Our chiller systems are versatile, offering a range of cooling capacities and customizable designs to suit various applications. We prioritize quality and customer satisfaction, following a business principle of "Quality first, Customer first" and a management concept centered around people.

Air cooled chiller 02-05

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Air cooled chiller features

Compressor

Japan panassonic or USA copeland or Denmark danfoss compressor with high and low pressure protection, exhaust temperature protection, overload protection, internal protection measures, high efficiency and easy operation, low noise, long compressor life.

High efficiency heat exchanger

The condenser of the unit is integrated designed with high-efficiency heat exchange copper tube, hydrophilic finned and the inverted M layout, coiled tube type evaporator, stainless steel fittings. Evaporator and water pump pipelines with water flow protection to protect the chiller maximumly.

Intelligent control

All microcomputer control unit, the water temperature of the normal temperature unit can be adjusted between 5℃~ 30℃, lower or higher water temperature can be customized according to customer requirements, the chiller has fault memory, self diagnosis and various protection automatic control function, humanized operation interface. 485 communication interface can be remote control and operation. Electrical accessories adopt famous brands.

Energy conservation and environmental protection

The refrigerant charged in the refrigeration system can be selected accordi
protection policies of different countries and regions. The refrigeration gas are
such as R404A / R407C / R134A. Power supply can be customized for different c
The air-cooled scroll chillers have scientific design and easy to install and mov
can precisely control the temperature of water outlet, and they are widely us
electronic industry, electroplating surface treatment, packaging, ultrasound, printin







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REFRIGERATION CAPACITY

Device Model				LA001	LA005	LA010	LA015	LA020	LA025	LA030	LA035	LA040	LA045	LA050	LA060
Outlet Water Temperature	7℃	kw		2.98	15.5	27.8	42.9	56.9	65.5	84.5	97.8	113.4	125.5	139.6	167.4
Inlet Water Temperature	12℃	kcal/h		2,563	13,330	23,908	36,894	48,934	56,330	72,670	84,108	97,524	107,930	120,056	143,964
0utlet Water Temperature	15℃	kw		3.57	18.6	33.3	51.4	68.2	78.6	101.4	117.36	136.08	150.6	167.5	200.9
Inlet Water Temperature	20℃	kcal/h		3,070	15,996	28,638	44,204	58,652	67,596	87,204	100,930	117,029	129,516	144,050	172,757

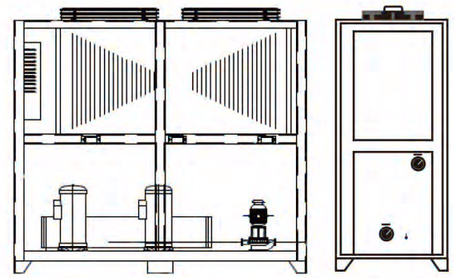
TECHNICAL PROPERTIES

Device Model			LA001	LA005	LA010	LA015	LA020	LA025	LA030	LA035	LA040	LA045	LA050	LA060
Power consumption		kw	1.38	4.47	8.65	13.5	17.6	21.7	26.8	30.5	35.2	40.9	43.3	52.9
Compressor	Type		Hermetic scroll type											
	Power	kw	0.95	3.8	7.5	11.3	15	18.8	22.5	26.3	30	33.8	37.5	45.0
Refrigerator gas			R407C / R410A (R134A customized)											
Evaporator	Type		Water tank with coil / shell and tube											
	Pipe	B	PT1/2"	PT1-1/2"	PT1-1/2	PT2"	PT2"	PT2-1/2"	PT2-1/2"	PT2-1/2"	PT3"	PT3"	PT3"	PT3"
Pump	Water flow	m3/h	0.5	2.6	5.5	8.2	10.8	13.6	16.0	18.8	21.2	24.1	26.5	31.8
	Pressure	bar	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	Power	kw	0.37	0.75	1.1	1.5	1.5	1.5	2.2	2.2	2.2	3.0	3.0	3.0
Water tank	Type		Stainless steel tank											
	Volume	litre	20	50	130	180	180	180	220	220	220	280	280	280
Condenser	Type		High efficient finned copper tube											
Cooling fan	Type		Low noise axial flow (Low noise outer rotor fan)											
	Air volume	CMM	17	110	195	265	390	440	530	620	760	820	880	1060
	Power	kw	0.18	0.37	0.55	1.1	0.55*2	0.75*2	1.1*2	1.1*2	1.5*2	2.2*2	0.75*4	1.1*4
Power supply voltage	Voltage		3PH-380V-50Hz(200V/220V/415V 50Hz/60Hz customized)											
Prootective device			Compressor overheating, over current, high and low pressure, over temperature, flow switch, phase sequence, phase-missing, exhaust overheating, anti-freezing											
Dimension	L	mm	550	1140	1300	1600	1900	1900	2200	2300	2300	2300	2500	2300
	W	mm	440	560	780	900	990	990	1110	1110	1110	1110	1110	2100
	H	mm	750	1040	1530	1640	1660	1800	1810	1850	2010	2100	2210	2050
Weight		kg	72	170	400	540	760	810	1000	1050	1200	1350	1350	1650



Air Cooled Chiller Specifications

TECHNICAL DRAWING



GERNAL FEATURES

- Design simplicity and reliability of the design.
- Fans efficient, low-noise axial fans.
- Industrial air cooled water chillers.
- Compact design.
- Low cost.
- Integrated hydronic module.

Note:

- Technical specifications based on 12°C/7°C Inlet/Outlet chilled fluid temperature. Outdoor ambient temperature DB35°C/WB24°C.
- Data is subject to change without notice.



Air Cooled Screw Chiller

High efficiency and energy saving

The famous brand high efficiency screw compressor, the fin type heat exchanger with large cooling capacity adopts the high efficiency heat exchange copper pipe and hydrophilic fin, the integrated design of the inverted M layout, the system is optimized to achieve the best match, the refrigerant has a variety of choices such as R407C, R134A.

Intelligent control

Microcomputer intelligent control, which has four or stepless energy control, fault diagnosis alarm, a variety of safety protection and automatic control functions, and human operation interface, operates simply and conveniently. Unit RS485 communication interface can achieve remote control.

Modular design

Multi-machine module combination can be realized between different types of units. Module units are controlled centrally through the main module, and coordinate the start and stop of each unit according to the requirements of operation load and operation time.

Low noise

The refrigeration compressor adopting the double-layer rotor body, has the pressure compensation function, the well exhaust continuity, the small air pressure pulsation, the cooling wind unit uses the high intensity twist-angle plastic shell fan blade. The fan is divided into several adjustment control groups, the system is more stable, greatly reduces the noise and the impact on the environment.

High reliability and long service life

All refrigeration parts and electrical components of the unit come from high-quality suppliers. All parts with excellent performance and quality have undergone strict reliability tests. The unit is equipped with a motor cooling system, which ensures a good operating environment for the refrigeration compressor and greatly improves the service life of the unit.

Convenient installation

The unit, take the air as the cold source and save the tedious cooling water system, is specially suitable for the area which lacks water. Box type design which do not need independent machine room, can be installed in the ground, roof and other outdoor areas, and is easy to install and maintain.



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REFRIGERATION CAPACITY

Device Model			LAS040	LAS050	LAS060	LAS080	LAS100	LAS120	LAS150	LAS160	LAS180	LAS200	LAS240
Outlet Water Temperature	7℃	kw	120	149	189	237	300	367	399	434	540	582	719
Inlet Water Temperature	12℃	kcal/h	103,200	128,140	162,540	203,820	258,000	315,620	343,140	373,240	464,400	500,520	618,340
0utlet Water Temperature	15℃	kw	144	179	227	284	360	440	479	521	648	698	863
Inlet Water Temperature	20℃	kcal/h	123,840	153,940	195,220	244,240	309,600	378,400	411,940	448,060	557,280	600,280	742,180

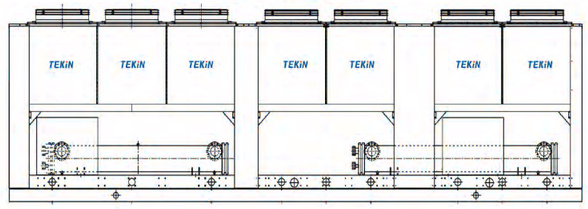
TECHNICAL PROPERTIES

Device Model			LAS040	LAS050	LAS060	LAS080	LAS100	LAS120	LAS150	LAS160	LAS180	LAS200	LAS240
Power consumption		kw	38.7	48.2	58	71	92.9	116.3	121.4	141.5	167.8	181.7	197.6
Chilled fluid flow		m3/h	20.0	26.0	32.0	35.0	50.0	60.0	76.0	76.0	89.0	98.0	121.2
Compressor	Type		Semi- Hermetic screw type										
	Number		1.0	1.0	1	1	1	1	2	2	2	2	2
	Power	kw	34.3	43.8	53.6	66.5	84.1	107.5	112.6	128.3	154.6	168.5	180
Refrigerator gas			R407C (R134A customized)										
Evaporator	Type		Shell and tube										
	Pipe	B	PT3"	PT3"	PT3"	PT4"	PT4"	PT5"	PT5"	PT5"	PT6"	PT6"	PT8"
Condenser	Type		High efficient finned copper tube										
Cooling fan	Type		Low noise outer rotor fan										
	Air volume	CMM	940	940	940	940	1790	1790	1790	2850	2850	2850	3800
	Power	kw	1.1*4	1.1*4	1.1*4	0.75*6	1.1*6	1.1*8	1.1*8	1.1*12	1.1*12	1.1*12	1.1*16
Power supply voltage	Voltage		3PH-380V-50Hz (200V/220V/415V 50Hz/60Hz customized)										
Protective device			Compressor overheating, over current, high and low pressure, over temperature, flow switch, phase sequence, phase-missing, exhaust overheating, anti-freezing.										
Dimension	L	mm	2300	2500	2200	2200	3050	4400	4500	4500	6100	8800	8800
	W	mm	1110	1200	2100	2100	2100	2100	2100	2100	2100	2100	2100
	H	mm	2110	2200	2000	2300	2200	2100	2100	2300	2200	2200	2200
Weight		kg	1330	1680	1850	1960	3320	3420	3460	4950	5085	5220	6980



Air Cooled Screw Chiller Specifications

❯TECHNICAL DRAWING



❯GERNAL FEATURES

- Industrial air cooled water chillers.
- Maximum reliability and long service life.
- High efficiency, low noise and vibration, easy to install.
- Environmental protection refrigerant R134A, R407C available, no ozone depletion potential.

Note:

- Technical specifications based on 12°C/7°C Inlet/Outlet chilled fluid temperature. Outdoor ambient temperature DB35°C/WB24°C.
- Data is subject to change without notice.



Water Cooled Screw Chiller

Water cooled screw chiller features

Water cooled screw chiller can be divided into two types: single-screw chillers and double-screw chillers and select the most efficient semi-enclosed compressor unit' s heart-high quality imported screw compressor, its 5:6 ultra-efficient helical rotor compressor is 20%~30% better than the general compressor unit. Reliable operation, high efficiency, easy maintenance, accurate control and wide application range. The whole machine controls the temperature accurately. Units PLC controller uses large-screen touch LCD to display, and has a good all-English man-machine dialogue interface to realize full automatic control. The liquid crystal display screen displays the working condition of the machine in real time and precisely monitors the unit running in the best condition, its contact panel is well sealed waterproof, dustproof, anti-corrosion, long key life.

The cooling capacity of the unit is 99KW~1650KW, which can be selected according to customer's requirement.

The freezing water temperature of the unit can be arbitrarily adjusted between 5°C - 30°C.

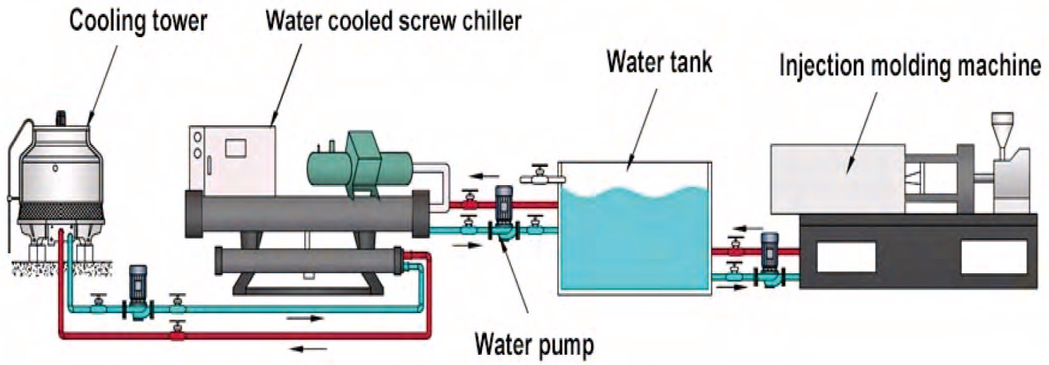
Unit cooling water temperature between 15°C -35°C.

Unit can be single and double circuit design, when a single compressor of the unit breaks down, the other compressor can still operate normally.

Water cooled screw chillers are widely used in chemical industry, injection molding, food processing, vacuum package, electroplating surface treatment and many other fields.

The unit can be equipped with remote management program to feedback system operation information and realize remote service.

The are many options for refrigerants such as R134A/R407C.



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REFRIGERATION CAPACITY

Device Model			LW040	LW050	LW060	LW080	LW100	LW120	LW150	LW160	LW180	LW200	LW240	LW300
Outlet Water Temperature	7℃	kw	149	174	199	261	336	409	481	521	587	671	819	961
Inlet Water Temperature	12℃	kcal/h	128,140	149,640	171,140	224,460	288,960	351,740	413,660	448,060	504,820	577,060	704,340	826,460
Outlet Water Temperature	15℃	kw	178	208	238	313	403	490	577	625	704	805	982	1153
Inlet Water Temperature	20℃	kcal/h	153,080	178,880	204,680	269,180	346,580	421,400	496,220	537,500	605,440	692,300	844,520	991,580

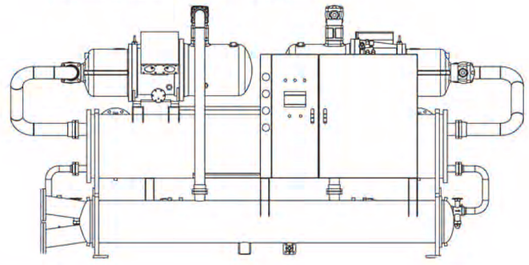
TECHNICAL PROPERTIES

Device Model			LW040	LW050	LW060	LW080	LW100	LW120	LW150	LW160	LW180	LW200	LW240	LW300
Input power			21.5	30.0	35.0	41.0	54	62.3	64	81.0	101.0	109.5	121	138.0
Chilled fluid flow		m3/h	25.0	28.9	32.0	45.0	55.0	67.0	81.0	91.0	99.0	114.0	134.0	165
Cooling fluid flow		m3/h	28.9	34.8	41.0	56.0	67.0	81.0	100.0	105.0	121.0	138.0	164.0	203.0
Compressor	Type		Semi-Hermetic screw type											
	Number		1	1	1	1	1	1	1	2	2	2	2	2
	Power	kw	29	35	42	54	65.0	78	100	52*2	56*2	64*2	80*2	94*2
Refrigerator gas	Type		R407C (R134A customized)											
Evaporator	Type		Shell and tube											
	Pipe	B	PT3"	PT3"	PT4"	PT4"	PT4"	PT5"	PT5"	PT5"	PT6"	PT6"	PT8"	PT8"
Condenser	Type		Shell and tube											
	Pipe	B	PT3"	PT3"	PT4"	PT4"	PT4"	PT5"	PT5"	PT4"*2	PT4"*2	PT4"*2	PT5"*2	PT5"*2
Power supply voltage	Voltage		3PH-380V-50Hz (200V/220V/415V 50Hz/60Hz customized)											
Protective device			Compressor overheating, over current, flow switch, high and low pressure, over temperature, phase sequence, phase-missing, exhaust overheating, anti-freezing.											
Dimension	L	mm	2550	2550	2550	3000	3000	3100	3400	3400	3500	3700	3900	3900
	W	mm	890	890	890	890	890	1080	1200	1200	1250	1300	1380	1380
	H	mm	1500	1600	1750	1850	1880	1880	1500	1560	1580	1600	1650	1680
Weight		kg	1130	1330	1670	1780	1900	2150	2450	2580	2600	2800	3300	3500



Water Cooled Screw Chiller Specifications

TECHNICAL DRAWING



GERNAL FEATURES

- New screw type compressor with 20%-30% higher in efficiency.
- Cooling capacity control available at four steps (100%-75%-50%-25%), three steps (100%-66%-33%) or no steps control system.
- High efficiency, easy installation, and reliable Running.

Note:

- Technical specifications based on 12℃/7℃ Inlet/outlet chilled fluid temperature. Inlet/outlet cooling water temperature 30℃/35℃
- Data is subject to change without notice.



Water Cooled Chiller

Water cooled chiller features

The whole series adopts scroll compressor with high efficiency and low noise.

The controller adopts the advanced integrated single chip microcomputer, which greatly improves the anti-interference ability of the system, has beautiful appearance and is easy to install. The front and rear plates exchange data through 485 communication mode, and the whole system can be installed integrally or separately.

With the advanced parallel multi-loop system, each compressor can be opened and balanced according to the change of system load. When the partial load, the energy saving effect is particularly obvious.

The evaporator and condenser have the manufacture certificate and design certificate of class D1 and D2 pressure vessels. The condenser adopts shell and tube type to reduce the phenomenon of water pipe blockage for facilitate cleaning and maintenance.

The unit can be started in stages to reduce the impact on the power grid. Also it can reduce energy consumption with multi-level automatic unloading.

Slim shape, easy operation, easy installation, easy cleaning and maintenance.

The unit is installed indoors without special machine room and has longer service life.





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REFRIGERATION CAPACITY

Device Model			LWC003	LWC005	LWC010	LWC015	LWC020	LWC025	LWC030	LWC035	LWC040	LWC045	LWC050	LWC060
Outlet Water Temperature	7℃	kw	9.8	16.6	32.2	48.5	63.9	78.5	95.5	108.6	125.4	140.1	155.6	186.8
Inlet Water Temperature	12℃	kcal/h	8,428	14,276	27,692	41,710	54,954	67,510	82,130	93,396	107,844	120,486	133,816	160,648
Outlet Water Temperature	15℃	kw	11.8	19.9	38.6	58.2	76.7	94.2	114.6	130.3	150.5	168.1	186.7	224.2
Inlet Water Temperature	20℃	kcal/h	10,114	17,131	33,230	50,052	65,945	81,012	98,556	112,075	129,413	144,583	160,579	192,778

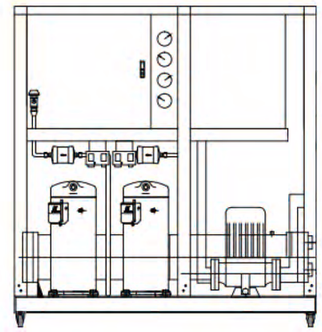
TECHNICAL PROPERTIES

Device Model			LWC003	LWC005	LWC010	LWC015	LWC020	LWC025	LWC030	LWC035	LWC040	LWC045	LWC050	LWC060
Input power			2.5	4.3	8.2	12.5	16	20	24.3	28	32	35.8	41	47.8
Chilled fluid flow		m3/h	1.6	2.6	5.5	8.2	10.8	13.6	16.0	18.8	21.2	24.1	26.5	31.8
Cooling fluid flow		m3/h	2.0	3.2	6.8	10.3	13.9	17.2	20.5	24.0	27.3	30.8	34.2	40.8
Compressor	Type		Hermetic scroll type											
	Power	kw	2.3	3.8	7.5	11.3	15.0	18.8	22.5	26.3	30.0	33.8	37.5	45.0
Refrigerator gas	Type		R407C / R410A (R134A customized)											
Evaporator	Type		Shell and tube (water tank with coil)											
	Pipe	B	PT1"	PT1- 1/2"	PT1- 1/2"	PT2"	PT2"	PT2- 1/2"	PT2- 1/2"	PT2- 1/2"	PT3"	PT3"	PT3"	PT3"
Pump	Pressure	bar	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	Power	kw	0.37	0.75	1.1	1.5	1.5	1.5	2.2	2.2	2.2	3.0	3.0	3.0
Water tank	Type		Stainless steel tank											
	Volume	litre	60	60	130	180	180	180	220	220	220	280	280	280
Condenser	Type		Shell and tube											
	Pipe	B	PT1"	PT1- 1/2"	PT1- 1/2"	PT2"	PT2- 1/2"	PT2- 1/2"	PT2- 1/2"	PT2- 1/2"	PT3"	PT3"	PT3"	PT3"
Power supply voltage	Voltage		3PH-380V-50Hz (200V/220V/415V 50Hz/60Hz customized)											
Protective device			Compressor overheating, over current, high and low pressure, over temperature, flow switch, phase sequence, phase-missing, exhaust overheating, anti-freezing.											
Dimension	L	mm	890	1000	1300	1550	1700	1700	2100	2100	2100	2100	2100	2400
	W	mm	500	600	630	700	900	900	900	900	1100	1100	1100	1100
	H	mm	840	1080	1300	1340	1330	1330	1380	1380	1430	1450	1450	1450
Weight		kg	130	180	330	520	630	680	890	1000	1090	1300	1430	1600



Water Cooled Chiller Specifications

TECHNICAL DRAWING



GERNAL FEATURES

- New branded Hermetic scroll type compressor with higher efficiency.
- Stainless steel reservoir with reliable corrosion resistance.
- High efficiency, low noise and vibration, easy to install.

Note:

- Technical specifications based on 12℃/7℃ Inlet/outlet chilled fluid temperature. Inlet/outlet cooling water temperature 30℃/35℃.
- Data is subject to change without notice.



Air Cooled Heat Pump Chiller

Air cooled heat pump chiller features

Air cooled heat pump chiller series is the essence of domestic and foreign products. It is manufactured with modern and advanced technology, with high quality and beautiful appearance. At present, which can be widely used in shopping malls, hotels, banks, hotels, theaters and industrial fields.

Compressor

Selected imported brand-name hermetic reciprocating / scroll and semi-closed screw / reciprocating compressor. Good performance and low noise. The compressor can be aternately operated according to the load, and the operating hours of each compressor are balanced, which greatly extends the service life of the chiller.

Condenser

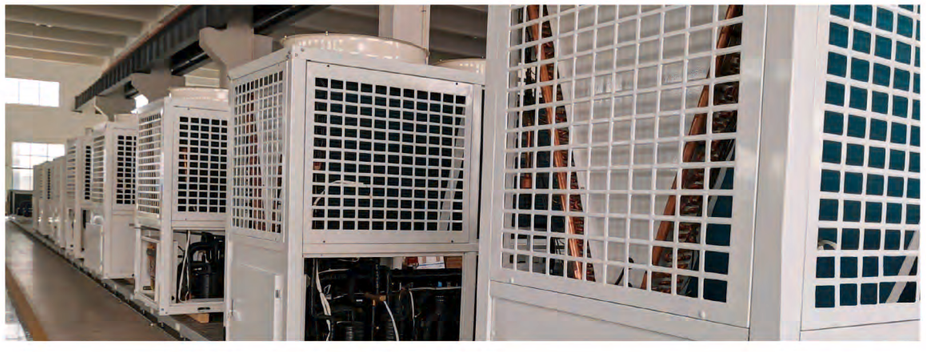
The condenser is equipped with high-efficiency tapered fins and internally threaded copper tubes for high heat exchange efficiency and good stability.

Evaporator

The evaporator adopts internal and external threaded reinforced tubes. The inner surface of the copper tube isthreaded, and the outer surface of the copper tube is smooth, and the cooling effect is good. The outside of the evaporator barrel is insulated by a 25mm thick PE insulation board, which does not condense and has less loss of cooling capacity.

Protective device

The protection system devices include: temperature control switch, high and low pressure switch, overload protector, compressor overheat protector, compressor frequent start protector and abnormal indicator light.



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REFRIGERATION CAPACITY

Device Model			LAH003	LAH005	LAH010	LAH015	LAH020	LAH025	LAH030	LAH035	LAH040	LAH045	LAH050	LAH060
Outlet chilled Water Temperat	7℃	kw	9.3	15.5	27.8	42.9	56.8	65.5	84.5	97.8	113.4	125.2	139.6	167.4
Inlet chilled Water Temperatu	12℃	kcal/h	2,563	13,330	23,908	36,894	48,848	56,330	72,670	84,108	97,524	107,672	120,056	143,964
Outlet hot Water Temperature	45℃	kw	11.16	18.6	33.36	51.48	68.16	78.6	101.4	117.36	136.08	150.24	167.52	200.88
Inlet hot Water Temperature	40℃	kcal/h	9,598	15,996	28,690	44,273	58,618	67,596	87,204	100,930	117,029	129,206	144,067	172,757

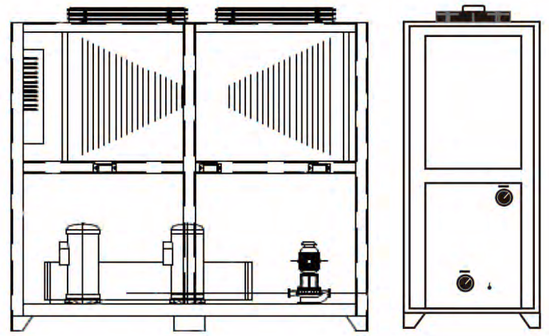
TECHNICAL PROPERTIES

Device Model			LAH003	LAH005	LAH010	LAH015	LAH020	LAH025	LAH030	LAH035	LAH040	LAH045	LAH050	LAH060
Compressor	Type		Hermetic scroll type											
	Power	kw	2.3	3.8	7.5	11.3	15	18.8	22.5	26.3	30	33.8	37.5	45
Refrigerator gas			R407C / R410A (R134A customized)											
Water side heat exchanger	Type		Shell and tube											
	Pipe	B	PT1"	PT1- 1/2"	PT1- 1/2	PT2"	PT2"	PT2- 1/2"	PT2- 1/2"	PT2- 1/2"	PT3"	PT3"	PT3"	PT3"
Air heat exchanger	Type		Internal thread copper tube fin											
Axial fan	Type		Low noise axial flow											
	Air volume	CMM	65	110	195	265	390	440	530	620	760	820	880	1060
	power	kw	0.25	0.37	0.55	1.1	0.55*2	0.75*2	1.1*2	1.1*2	1.5*2	2.2*2	0.75*4	1.1*4
Power supply voltage	Voltage		3PH-380V-50Hz(200V/220V/415V 50Hz/60Hz customized)											
Protective device			High and low voltage switch, antifreeze protection, soluble plug / safety valve, overload protection device, coil overheat protector, temperature automatic protection switch, etc.											
Dimension	L	mm	920	920	1200	1500	1860	1860	2250	2400	2680	2800	2450	2560
	W	mm	850	850	1050	1100	1220	1220	1300	1300	1350	1350	2300	2300
	H	mm	1300	1300	1450	1580	1700	1700	1850	1850	1900	1900	1900	1900
Weight		kg	160	190	330	430	600	680	950	1070	1150	1380	1510	1680



Air Cooled Heat Pump Chiller Specifications

TECHNICAL DRAWING



GERNAL FEATURES

- Efficient in both cooling and heating, providing year-round climate control.
- Versatile for diverse applications, from industrial processes to HVAC systems.
- Suited for larger-scale operations and facilities with higher cooling demands.

Note:

- Technical specifications based on 12℃/7℃ Inlet/outlet chilled fluid temperature. Outdoor ambient temperature DB35℃/WB24℃.
- Hot water Inlet/outlet hot water temperature 40℃/45℃. Outdoor ambient temperature DB7℃/WB6℃.
- Data is subject to change without notice.



Water cooled low temperature screw chiller features

Low-temperature screw chillers are a series of chillers developed by our company for the special low-temperature environment, the unit provided five low temperature environment, at the same time, the unit is equipped with an economizer, which can improve the unit's energy efficiency ratio by 15-25%, including 0°C / -5 °C / -10 °C / -15 °C / -35 °C.
In addition to the common ethylene glycol solution, the coolant of the unit is sodium chloride and calcium chloride. We normally use sodium chloride when the liquid lower than - 15°C, and use calcium chloride lower than -35 °C.

Single compressor unit refrigerating capacity range is 14200~1018300 kcal/h, double compressor refrigerating capacity range is 28400~2036600 kcal/h, frozen water solution temperature range is -35 °C~10 °C, cooling water temperature range of 15 °C ~ 40 °C.

Unit adopts advanced PLC control technology, automatic control to realize intelligent management, the energy-saving double screw compressor with high efficient brand and high quality of condenser and evaporator, and adopt advanced manufacturing technology and scientific design to achieve the best match.

There are many options for refrigerants such as R407C / R404A, the unit has high and low pressure, phase sequence, over current, overheat, exhaust temperature, high temperaure, low temperature, water and other protective measures, make the unit run safely, stably and efficiently, greatly lengthened the service life of the unit and reduce the occurrence of failure.

All products in line with national standards have passed the national testing system testing.

TEKiN

REFRIGERATION CAPACITY

Device Model			LWSL030	LWSL040	LWSL050	LWSL060	LWSL080	LWSL090	LWSL100	LWSL120	LWSL130	LWSL150	LWSL160	LWSL180
Outlet Water Temperature	-10℃	kw	61.1	80.4	103.6	114.2	153.2	176.3	186.1	223.8	241.3	286.3	302.2	336.1
Inlet Water Temperature	-5℃	kcal/h	52,546	69,144	89,096	98,212	131,752	151,618	160,046	192,468	207,518	246,218	259,892	289,046
Outlet Water Temperature	-30℃	kw	27.6	35.8	45.7	50.2	66.7	76.5	80.7	96.7	104.1	123.2	129.9	143.4
Inlet Water Temperature	-25℃	kcal/h	23,736	30,788	39,302	43,172	57,362	65,790	69,402	83,162	89,526	105,952	111,714	123,324

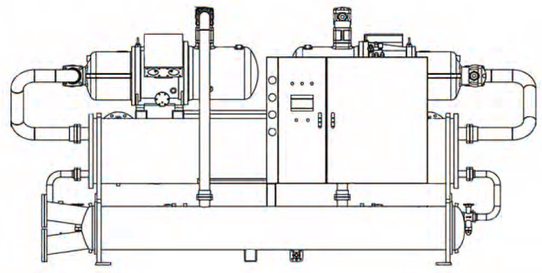
TECHNICAL PROPERTIES

Device Model			LWSL030	LWSL040	LWSL050	LWSL060	LWSL080	LWSL090	LWSL100	LWSL120	LWSL130	LWSL150	LWSL160	LWSL180
Power consumption		kw	28	36.6	46.6	52.1	68.5	78	82.1	85.1	86.5	91.7	93.8	105.5
Freezing fluid flow		m3/h	13.6	18.2	23.6	26.1	35.2	40.6	42.9	60	65	75	80	90
Cooling water flow		m3/h	14	19	24.6	27.3	36.5	41.9	44.2	72	78	90	96	108
Compressor	Type		Semi-Hermetic screw type											
	Power	kw	30	40	50	55	70	80	90	86.1	87.5	92.7	94.8	106.5
	Start-up mode		Y - ▲											
	Capacity		0,33,66,100			0,25,50,75,100								
Refrigerator gas			R404A (R134A customized)											
Frozen oil	Type		HBR-03(HBR-05)											
	Filling amount		7	7	7	8	14	16	14	16	15	18	20	23
Evaporator	Type		Shell and tube											
	Pipe	B	PT2- 1/2"	PT3"			PT4"			PT5"			PT6"	
Condenser	Type		Shell and tube											
Power supply voltage	Voltage		3PH-380V-50Hz(200V/220V/415V 50Hz/60Hz customized)											
Protective device			High and low voltage switch, antifreeze protection, soluble plug / safety valve, overload protection device, coil overheat protector, temperature automatic protection switch, etc.											
Dimension	L	mm	2500	2500	2500	2500	3100	3100	3100	3200	3200	3700	3700	3700
	W	mm	900	900	900	900	900	900	900	1100	1160	1200	1250	1250
	H	mm	1450	1500	1600	1750	1750	1860	1860	1500	1550	1550	1600	1650
Weight		kg	1020	1150	1350	1500	1680	1800	1930	2250	2400	2500	2600	2650



Water Cooled Low Temperature Screw Chiller Specifications

❯ TECHNICAL DRAWING



❯ GERNAL FEATURES

- Smart Microprocessor Controller.
- Top Brand Compressors for Reliable Cooling.
- More stable performance and longer service life.

Note:

- Technical specifications based on chilled water inlet and outlet temperature -5 ℃ /- 10 ℃, -25/-30℃.
- Data is subject to change without notice.