Company Profile：

NingBo HaiRui Machinery Technology Co., LTD is engaged in the temperature control industry has more than 10 years of experience, focus on streaming media temperature control research and development, production, and provide high quality services, especially for the domestic and foreign market demand.

The company's main products are: the screw type refrigeration units, industrial chillers, water temperature control machine, oil circulating temperature control machine, die temperature machine, plastic crusher, plastic drying machine, plastic color mixer, vacuum suction machine, industrial temperature control equipment.In plastic injection molding products, guide plate, connectors, chemical industry, die-casting, rubber tires, extrusion, mixer, printing and dyeing, drying and other industries widely used, products are exported to Europe, the Middle East, southeast Asia and other regions, we strictly to build first-class temperature control equipment, users with minimal energy consumption to produce high quality products.

The company adheres to the concept of "innovation, quality and integrity", strives for innovation by science and technology, strives for development with quality, creates brand with integrity, and sincerely hopes to cooperate with friends and develop together.

Enterprise culture：

【Enterprise vision】: create first-class enterprise and strive for refrigeration industry standard

【Corporate mission】: continuous innovation to make industry more energy efficient

【Strategic positioning】: focus on refrigeration technology, to create high-quality refrigeration equipment

【Enterprise spirit】: integrity of the quality of the rule of harmony

【Sincere letter】: words will do, will be fruit

【Diligence】: diligence is the best shortcut to success

【Learn】: learning has a lasting competitive advantage

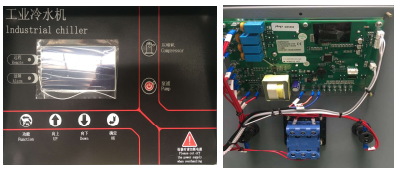
【Innovation】: strive for change and advance with The Times

【Employment philosophy】: people-oriented, respect the creativity of employees, pay attention to the development of employees, and encourage employees to surpass themselves

【Selection criteria】: morality-oriented,talent is everything

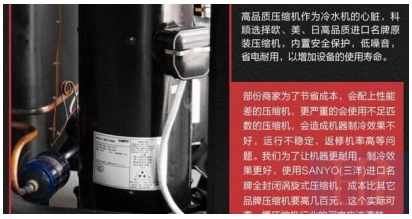
Product reliability is our constant goal

Main parts

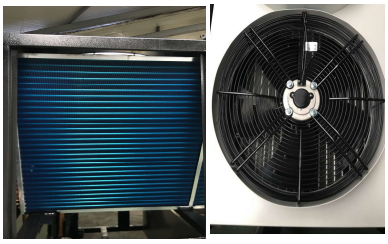


Control system:
Guangdong bang pu LCD display, microcomputer full - function error - proof operating system, multi - function point. Compressor overload protection; Water pump overload protection; Blower overload protection; Low water level protection; Abnormal power protection; Abnormal system pressure protection; Sensor open-circuit protection; Abnormal energy regulation protection.

cooling system:
Adopt Japan panasonic compressor, the Japanese sanyo compressor, Denmark danfoss compressor wheel or the valley, super cooling, energy saving and energy saving, low noise, little vibration, long life, can effect comparing common compressor high above 5%, storage tank, adjusting the refrigerant flow, balance the liquid refrigerant entering the compressor, protect compressed pilot run time. Refrigeration accessories: ALCO (Emerson) industrial expansion



Refrigeration accessories: ALCO (Emerson) industrial expansion valves and drying filters are used.



cooling system:
Condenser: high efficiency copper tube with aluminum fin type + large air volume and low noise external rotor fan. The air-cooled finned condenser is made of nano-sized aluminum foil, which can enhance the anti-corrosion performance, heat dissipation effect, facilitate cleaning and maintenance, and facilitate installation.

Evaporation system:
Expansion valve: Emerson, USA
Drying filter: Emerson, USA
Evaporator: adopts the coiled tube design of the water tank, and the internal and external threaded tube of our company is built in, which can increase the heat exchange area by 3 times compared with the ordinary heat exchange tube, and can continuously supply the frozen water, improving the refrigeration efficiency.

power system: Adopt French schneider or ABB brand, high efficiency, environmental protection, safety, long life and not easy aging. Internal integrated water cut, low temperature, low pressure, anti-freeze, phase, reverse phase, delay start, overload, motor overheating, differential oil pressure and other protection and processing functions.

Water supply system:
Mr Frank cast iron pump/south stainless steel pump, high temperatur resistant, small volume, high efficiency, low noise, little vibration, low power consumption, pumping power, maintenance is convenient. If there are special requirements, also optional south stainless steel pump or high pressure pump. (adjustable, can add bypass).

Vortex chiller

Introduction to industrial chillers:

HRI-A/W used in plastic processing, machinery, molding, mold cooling, can greatly improve the plastic finish, reduce grain mark and internal stress, don't make products to shrink, deformation, accelerate product, thus greatly improve the efficiency of production, improve product quality, reduce production cost, so the demands for the temperature control in the process of production is getting higher and higher.It is widely used in metal processing, plastic molding, chemical industry, printing, laser, electronics, drying, packaging, construction and military industries

Design features:

◆Brand compressor and efficient condenser, evaporator combination, super refrigeration, energy saving, low noise, long life

◆Cooling range: 5 ℃ to 35 ℃

◆Microcomputer control, accurate temperature control at + / - 1 ℃ temperature difference

◆Low noise + high volume fan

◆Low pressure cast iron pump is standard, stainless steel or high pressure pump is optional

◆Multiple protective devices ensure system safety

◆Cistern coil evaporator design, not only can supply the continuous and stable frozen water, but also can cool the water inside the cistern, reduce the absorption of environmental heat, improve the refrigeration efficiency

◆HRI-W watercooled type adopts shell and tube condenser, which has fast heat conduction and good refrigeration effect, and is suitable for areas with high temperature and abundant water sources

◆HRI-A air-cooled type adopts finned condenser, good heat dissipation effect, easy to clean and maintain, easy to install

Air-cooled industrial chiller

Unit features and functions:

1, the use of international famous brand high efficiency scroll compressor, super refrigeration, energy saving, low noise, small vibration, long life, energy efficiency is more than 5% higher than the ordinary compressor

2. Panasonic compressor from Japan, sanyo compressor from Japan, danfoss compressor from Denmark or u. s. gorgon compressor are adopted

3, the shell is made of high strength steel plate after coating, the most advanced patent technology and high precision processing, ensure that used in the acid gas does not rust

4, air cooling fin condenser USES water nano aluminum foil, enhance corrosion resistance, heat dissipation effect is good, easy to clean maintenance, easy to install

5. The evaporator adopts the coil-tube design of the water tank, with the built-in high-efficiency internal and external threaded pipe, which can increase the heat exchange area by three times compared with the ordinary heat exchange pipe, and can continuously supply frozen water, improving the refrigeration energy efficiency.

6, standard equipment with frank cast iron pump, high efficiency, low power consumption, pumping power, low noise, low temperature rise, easy maintenance. If you have special request (optional south stainless steel pump or high-pressure pump)

7, low noise external rotor fan, or large air flow axial fan, long life, good heat dissipation

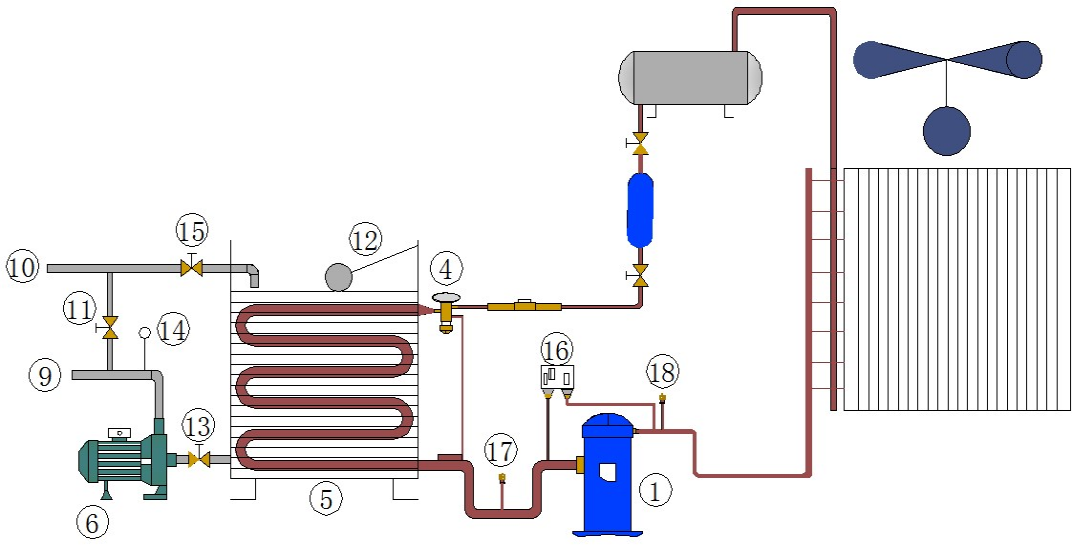
8, microcomputer control, built-in comprehensive intelligent monitoring and protection, including motor temperature control, phase sequence monitoring, manual reset lock, oil temperature monitoring, accurate temperature control in 1 degree temperature difference. Precise temperature control in 1 degree temperature difference, special models can reach plus or minus 0.1 degree

9, electrical appliances with German schneider, high efficiency, environmental protection, safety, long life is not easy to aging, internal integration of water, low temperature, low pressure, anti-freeze, phase, reverse phase, delay start, overload, motor overheating, differential oil pressure and other protection and processing functions

10. The standard of refrigerant is stable and high strength R22 (environmental refrigerant R407C,R410A, R134A,R404A and so on are also available).

Product figure

Schematic diagram of air refrigeration system:



HRI - A industrial air cooled refrigerator simple operation, reasonable design, excellent quality, specifications and there are hundreds of, is indispensable to modern industrial production. Need not equipped with air cooled water tower, it is more convenient to use.

Technical parameters

Model		HRI-A									
		3A	5A	8A	10AD	12AD	15AD	20AD	25AD	30AD	40AD
Nominal cooling capacity	44℉ kcal/h	7654	11506	18816	23013	28620	36756	46629	54025	68146	93258
	44℉ kw	8.9	13.38	21.88	26.76	33.28	42.74	54.22	62.82	79.24	108.4
	54℉ kcal/h	9253	13846	22755	27692	35070	45046	55452	64500	81510	110854
	54℉ kw	10.76	16.1	26.46	32.2	40.78	52.38	64.48	75	94.78	128.9
Input power	KW	3.15	4.71	7.15	9.76	11.02	15.3	18.6	20.82	28.64	36.9
supply voltage		3PH 230V-460V 50HZ/60HZ									
refrigerant	type	R22/R407C									
	control mode	Expandsion valve.									
Compressor	type	Fully enclosed turbine type									
	power(HP)	2.5	3.68	6	3.68*2	4.31*2	5.95*2	7.4*2	8.51*2	11.27*2	7.4*4
Condenser	type	High efficiency copper clad aluminum fin type + low noise external transmission fan.									
	(m³/h) Cooling air volume	3000	5000	8000	10000	12000	15000	20000	25000	30000	40000
	kw fan power	0.14*2	0.14*2	0.25*2	0.45*2	0.45*2	0.6*2	0.8*2	0.8*2	0.8*3	0.8*4
Evaporator	type	Water tank copper coil/dry shell tube type									
	m³/h Chilled water flow	1.36	2.22	3.52	4.44	5.03	7.1	8.84	10.06	13.6	17.75
	Tankvolume	50	60	120	200	180	350	350	350	445	670
	inch waterpipe	1	1	1 1/2	2	2	2 1/2	2 1/2	2 1/2	3	3
pump	power(HP)	0.37	0.75	0.75	1.5	1.5	1.5	2.2	2.2	2.2	4
	Lift(M)	20	25	25	25	25	25	30	30	30	40
Safetyprotection		Compressor overheat protection, overcurrent protection, high and low pressure protection, overtemperature protection, flow protection, phase sequence/lack phase protection, exhaust overprotection, anti-freeze protection.									
Dimension	Length inch	40	51.2	60	60	60	69	74.8	74.8	102	78.7
	Width inch	2	23.6	27.5	35.4	35.4	37.4	40	40	40	67
	Hdight inch	47	47	51	63	63	67	72.8	72.8	76.7	76.7
Weight	LBS	287	372	540	856	856	1120	1395	1395	2006	2630

Data are obtained according to the following design conditions:

1, chilled water in/out temperature of 54℉ / 44℉

2, cooling air in/out temperature 86℉ / 100℉

(Specifications are subject to change without prior notice)

Water cooled industrial chiller

Unit features and functions:

1. The main compressor is a brand new compressor imported from America and Japan (sanyo, Hitachi, panasonic, gu ren, danfoss), with built-in safety protection, low noise, energy saving and durable.

2. using R22 refrigerant, refrigeration effect is good.

3. The electrical part adopts the original products of the international brand "schneider" to ensure stable operation and long service life of the machine.

4. domestic and foreign famous brand water pump, large flow, high efficiency, durable.

5. equipped with sophisticated type digital temperature controller, can accurately control temperature to + / - 33.8℉

6. 41℉ and 104℉ set temperature range

7. The unit energy efficiency ratio is as high as 85% to 95%.

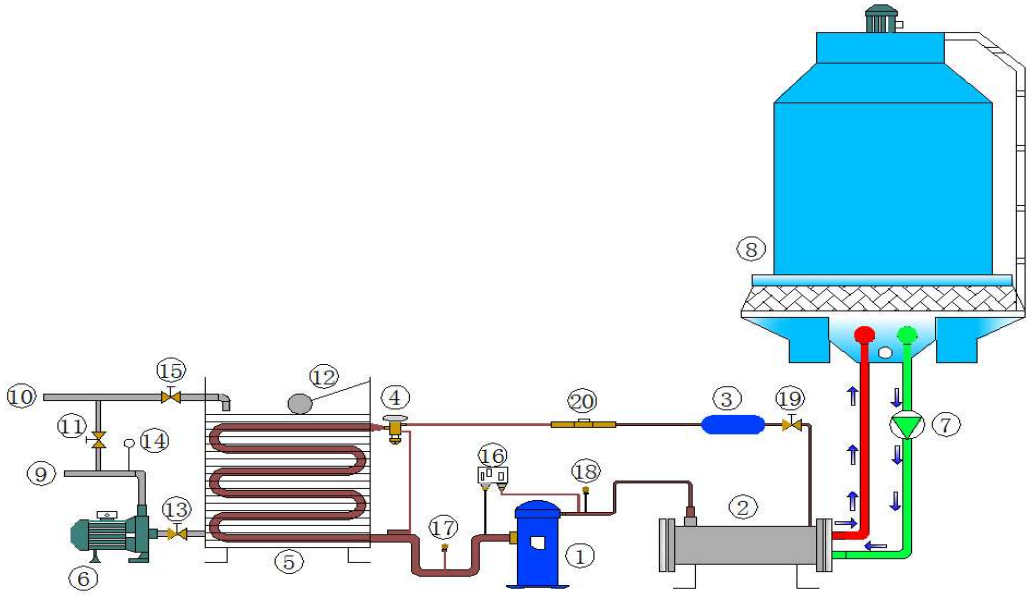
8. all stainless steel thick water tank type evaporator, built-in automatic water refill device, cleaning and maintenance is convenient and fast; It saves the installation of the peng bilged water tank and is convenient for installation and maintenance. It is suitable for occasions of large temperature difference and small flow.

9. The condenser of the water cooling unit is bushing type with copper pipe with internal thread. The design is reasonable and the heat exchange effect is good.

10. static plastic spraying enclosure, European design and elegant appearance, appearance board in the form of quick disassembling, easy to use and maintain.

Product figure

Schematic diagram of water refrigeration system:



HRI-W water-cooled industrial chillers are characterized by simple operation, reasonable design, excellent quality and hundreds of specifications, making them an indispensable companion for modern industrial production.

Technical parameters

Model		HRI-W									
		3W	5W	8W	10WD	12WD	15WD	20WD	25WD	30WD	40WD
Nominal cooling capacity	44℉ kcal/h	8737	12968	21464	25936	33264	41228	50722	59271	71802	101445
	44℉ kw	10.16	15.08	24.96	30.16	38.68	47.94	58.98	68.92	86.98	117.96
	54℉ kcal/h	10526	15583	25886	31166	41056	50722	60165	70554	89130	120331
	54℉ HP	12.24	18.12	30.01	36.24	47.74	58.98	69.96	82.04	103.64	139.92
Inputl power	HP	2.38	3.73	5.49	7.46	8.3	12.02	14.54	16.48	22.16	28.38
supply voltage		3PH 380V-415V 50HZ/60HZ									
refrigerant	type	R22/R407C									
	control mode	Expandsion valve.									
Compressor	type	Fully enclosed turbine type									
	power(KW)	2.01	2.98	4.74	2.98*2	3.4*2	4.91*2	6.17*2	7.14*2	9.23*2	6.17*4

冷凝器 Condenser	type	壳管式 Shell and tube type									
	m³/h Cooling Water Flow	1.67	2.93	4.98	5.85	7.24	9.37	13.3	15.5	18.58	24.7
	inch waterpipe joint	1	1	1 1/2	2	2	2	2 1/2	2 1/2	3	3
Evaporator	type	Stainless steel coils (dry-shell tube type heat exchanger)									
	m³/h Chilled water flow	1.55	2.58	4.13	5.2	6.2	7.74	10.3	12.9	15.8	20.6
	Tankvolume	60	60	150	200	200	330	330	350	450	580
	inch waterpipe joint	1	1	1 1/2	2	2	2 1/2	2 1/2	2 1/2	3	3
pump	power(KW)	0.37	0.75	0.75	1.5	1.5	2.2	2.2	2.2	4	4
	Lift(M)	20	25	25	25	25	30	30	30	40	40
Safetyprotection		Compressor overheat protection, overcurrent protection, high and low pressure protection, overtemperature protection, flow protection, phase sequence/lack phase protection, exhaust overprotection, anti-freeze protection.									
Dimension	Length inch	40	51.2	60	60	60	69	74.8	74.8	102	78.7
	Width inch	2	23.6	27.5	35.4	35.4	37.4	40	40	40	67
	Hdight inch	47	47	51	63	63	67	72.8	72.8	76.7	76.7
Weight	LBS	287	372	540	856	856	1120	1395	1395	2006	2630

Data are obtained according to the following design conditions:

1, chilled water in/out temperature of 54℉ / 44℉

2, cooling air in/out temperature 86℉ / 100℉

(Specifications are subject to change without prior notice)

Screw chiller

Application of screw type refrigerator

◆Medium and large industrial cooling

◆Central air-conditioning system

◆Cold storage, constant greenhouse

Design features:

◆World famous compressor

1. Original imported bizell compressor from Germany and hanzhong twin-screw compressor from Taiwan. Twin-screw 5:6 tooth ratio and advanced linear design, energy saving and high efficiency
2. High efficiency live valve energy control, realize grading or stepless control. Balanced design, running static and smooth
3. Strict processing of moving parts, oil balance block design of special exhaust, long maintenance cycle, trouble-free operation for more than 40,000 hours
4. Efficient oil separator, exhaust oil less than 1.5%, effectively improve heat exchange, more energy-saving and durable

◆High efficiency evaporator
1. The latest efficient internal thread copper pipe, kobe, Japan to enhance heat transfer effect, more energy efficient
2. Using the latest CAD/CAM design and processing technology, CNC machining center is completed, with compact structure, compact size and durability
3. The u-shaped structure of heat exchange tube bundle, but overall clean out internal scale, convenient maintenance
4. Dry evaporator, convenient oil return, improve compressor life and system reliability

◆Air cooled condenser
1. The heat dissipation fin is punched by a high-speed punch, with reliable turning quality. Second flanging, copper tube and fin more close contact, high heat transfer efficiency
2. Adopt imported copper pipe and automatic elbow welding, greatly enhance the oxygen tightness, eliminate the refrigerant leakage phenomenon
3. It is especially suitable for areas where water resources are scarce or water quality is hard

◆Microprocessor control system
1. Industrial grade Siemens PLC control system, man-machine interface, full Chinese display, can realize the whole process, full automatic computer regulation control, make the unit control more accurate and reliable
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3. Multiple safety protection and treatment functions such as water cut off, low temperature, high and low pressure, anti-freeze, phase missing, delayed start, reverse phase, overload, motor overheating, differential oil pressure and so on are integrated internally
4. Full English operation interface, menu-type prompt, can set the operation state of the unit and the home electrified operation environment at will

Air-cooled screw chiller

Product figure

Product introduction:

HRS - A air-cooled screw refrigerating machine adopt international famous brand screw compressor, form A complete set of high quality and efficient production to copper tube condenser, evaporator, and control component of world famous brand. The unit has small volume, low noise, big power, long life, the advantages of simple operation, its beautiful exquisite appearance design and reliable and stable highly effective quality excellence in the similar products!

Unit features and functions:

◆W type aluminum fin condenser can reduce the space occupied by the fuselage and ensure large heat transfer area

◆High efficiency shell and tube evaporator with internal thread

◆Large air volume metal blade axial flow fan, motor and net cover separation, by the metal bracket fixed in the outlet, safe and efficient

◆PLC control, LED touch screen operation interface

◆R22 refrigerant, environmental refrigerant alternative R407C

◆380v-415v /50HZ 3PH standard design, also can be customized according to different requirements

Technical parameters

Model		HRSA-							
		40A	50A	60A	75A	85A	100A	120A	150A
Nominal cooling capacity	44℉ kcal/h	96148	126248	135622	181460	213796	251464	294550	373742
	44℉ HP	111.8	146.8	157.7	211	248.6	292.4	342.5	434.7
	54℉ kcal/h	115412	151532	162798	217752	256624	301860	353460	448748
	54℉ HP	134.2	176.2	189.3	253.2	298.4	351	411	521.8
Inputl power	HP	36.1	44.3	51.2	67	76.3	88.3	105.5	131.6
supply voltage		3PH 230V-460V 60HZ							
refrigerant	type	R22							
	fill LBS	61.6	77	92.4	114	132	154	184	230
	control mode	Expandsion valve							
Compressor	type	Semi-closed screw							
	starting mode	Y-△							
	capacity regulator	0-25-50-75-100							
	power(KW)	33.7	41.9	46.4	60.6	69.9	80.3	95.9	118.8
Evaporator	type	Dry shell and tube type (stainless steel heat exchanger)							
	Water(m³/h)	18	23.6	25.7	34.4	40.5	46.4	55	69.5	
	inch waterpipe	3	3	3	3	3	4	4	5
	Water pressure	32	35	38	42	45	43	43.3	41
Condenser	type	Air-cooled high efficiency inner thread copper tube with aluminum fins							
fan	type	Large air volume and low noise external rotor fan							
	power(HP)	0.6*4	0.6*4	0.8*6	0.8*8	0.8*8	0.8*10	0.8*12	0.8*16
	air volume m³/h	40000	50000	60000	80000	90000	100000	116000	135000

safety guard		Compressor overheat protection, overcurrent protection, high and low pressure protection, overtemperature protection, flow protection, phase sequence/lack phase protection, exhaust overprotection, anti-freeze protection.							
boundary dimension	Length inch	4796	5170	2650	3310	3470	4090	4870	6450
	Width inch	3960	3960	3960	3960	3960	3960	3960	3960
	Hdight inch	2510	2050	2050	2243	2243	2243	2243	2243
The unit weight	LBS	1300	1600	1900	2350	2550	2800	2950	3200
operating weight	LBS	1450	1750	2100	2550	2800	3050	3250	3500

Data are obtained according to the following design conditions:

1, chilled water in/out temperature of 54℉ / 44℉

2, cooling air in/out temperature 86℉ / 100℉

(Specifications are subject to change without prior notice)

Technical parameters

Model		HRSA-							
		80AD	100AD	120AD	150AD	170AD	200AD	240AD	300AD
Nominal cooling capacity	44℉ kcal/h	192296	252496	271244	362920	427592	502928	589100	747684
	44℉ HP	223.6	293.6	315.4	422	497.2	584.8	685	869.4
	54℉ kcal/h	230824	303064	325596	135504	513248	603720	705920	897496
	54℉ HP	268.4	352.4	378.6	506.4	596.8	702	822	1043.6
Inputl power	HP	73.8	93.4	102.4	134	152.6	176.6	211	263.2
supply voltage		3PH 230V-460V 60HZ							
refrigerant	type	R22							
	fill LBS	61*2	77*2	92.4*2	114*2	132*2	154*2	184*2	231*2
	control mode	Expandsion valve							
Compressor	type	Semi-closed screw							
	starting mode	Y-△							
	capacity regulator	0-25-50-75-100							
	power(HP)	33.7*2	41.9*2	46.4*2	60.6*2	69.9*2	80.3*2	95.9*2	118.8*2
Evaporator	type	Dry shell and tube type (stainless steel heat exchanger)							
	Water(m^3/h)	35.6	46.8	50.8	68	80	92.8	110.6	139
	inch waterpipe	3	4	4	5	6	6	8	8
	Water pressure	45	43	43	41	42	45	42	46
Condenser	type	Air-cooled high efficiency inner thread copper tube with aluminum fins							
fan	type	Large air volume and low noise external rotor fan							
	power(HP)	0.8*8	0.8*12	0.8*12	0.8*16	0.8*16	0.8*20	0.8*24	0.8*32
	m^3/h air volume	80000	100000	116000	135000	165000	200000	236000	276000
safety guard		Compressor overheat protection, overcurrent protection, high and low pressure protection, overtemperature protection, flow protection, phase sequence/lack phase protection, exhaust overprotection, anti-freeze protection.							
boundary dimension	Length inch	4796	5170	2650	3310	3470	4090	4870	6450
	Width inch	3960	3960	3960	3960	3960	3960	3960	3960
	Hdight inch	2510	2050	2050	2243	2243	2243	2243	2243

The unit weight	LBS	1300	1600	1900	2350	2550	2800	2950	3200
operating weight	LBS	1450	1750	2100	2550	2800	3050	3250	3500

The above data are obtained according to the following design conditions:

1, chilled water in/out temperature of 12 ℃ / 7 ℃

2, cooling air in/out temperature 30 ℃ / 38 ℃

(Specifications are subject to change without prior notice)

Water cooled screw chiller

Product figure

Product introduction:

HRS - W series screw refrigerating machine adopt international famous brand compressor, form a complete set of high quality and efficient production to copper tube condenser, evaporator, and control component of world famous brand. The unit has small volume, low noise, big power, long life, the advantages of simple operation, its beautiful exquisite appearance design and reliable and stable highly effective quality excellence in the similar products! It is mainly used in medium and large scale industrial refrigeration, cold storage, constant greenhouse, central air conditioning system, chemical industry, chemical fiber equipment, concrete mixing, etc

Unit features and functions:

◆Shell and tube evaporator and condenser, high-efficiency threaded copper tube (material can be customized according to requirements)

◆PLC control, LED touch screen interface, intuitive operation, simple man-machine communication

◆R22 refrigerant, environmental refrigerant alternative R407C

◆380v-415v /50HZ 3PH standard design, also can be customized according to different requirements

Technical parameters

Model		HRSW-									
		40W	50W	60W	75W	85W	100W	120W	150W	180W	200W
Nominal cooling capacity	44℉ kcal/h	108962	143018	153682	205540	242176	284918	333680	423550	510926	605526
	44℉ HP	126.7	166.3	178.7	239	281.6	331.3	388	492.5	594.1	704.1
	54℉ kcal/h	130118	170796	183524	245444	289218	340302	398438	505852	610170	723174
	54℉ HP	151.3	198.6	213.4	285.4	336.3	395.7	463.3	588.2	709.5	840.9
Inputl power	HP	28	34.8	38.5	50.3	56.7	66.6	79.6	98.6	120.4	140.1
supply voltage		3PH 230V-460V 60HZ									
refrigerant	type	R22									
	fill LBS	48	59	72.6	92.4	105.6	121	150	193.6	242	266
	control mode	Expandsion valve									
Compressor	type	Semi-closed screw									
	starting mode	Y-△									
	capacity regulator	0-25-50-75-100									
	power(HP)	28	34.8	38.5	50.3	56.7	66.6	79.6	98.6	120.4	140.1
Evaporator	type	Dry shell and tube type (stainless steel heat exchanger)									
	Water(m³/h)	20.5	26.1	29.5	39.5	45.6	49.7	62.4	81	98	115
	inch waterpipe joint	3	3	3	3	3	4	4	5	6	6
	Water pressure	32	35	38	42	42	45	40	43	45	45
Condenser	type	Shell and tube type									
	Water(m³/h)	25	32.3	36.6	49.2	56	61.7	77	101	125	125
	inch waterpipe joint	3	3	3	3	3	4	4	3*2	3*2	4*2
	Water pressure	42	42	43	43	43	45	48	46	48	48
safety guard		Compressor overheat protection, overcurrent protection, high and low pressure protection, overtemperature protection, flow protection, phase sequence/lack phase protection, exhaust overprotection, anti-freeze protection.									
boundary dimension	Length inch	98.4	100.4	102	110	110	114	118	130	150	153
	Width inch	30.7	30.7	30.7	37.4	37.4	37.4	47.2	54.3	54.3	54.3
	Hdight inch	64.9	64.9	64.9	70.8	76.7	76.7	62.2	64.1	68.9	69
The unit weight	LBS	1980	2310	2310	3960	4180	4444	5500	5830	6930	7370
operating weight	LBS	2310	2640	2970	4356	4730	4950	5940	6556	7480	8030

Data are obtained according to the following design conditions:

1, chilled water in/out temperature of 54℉ / 44℉

2, cooling air in/out temperature 86℉ / 100℉

(Specifications are subject to change without prior notice)

Technical parameters

Model	HRSW-							
	100WD	120WD	150WD	180WD	200WD	240WD	280WD	300WD

Nominal cooling capacity	44℉ kcal/h	286036	307364	411080	511872	569836	667360	794468		847100	
	44℉ HP	332.6	357.4	478	595.2	662.6	776	923.8		958	
	54℉ kcal/h	341592	367048	490888	611288	680604	796976	948924		1011704	
	54℉ HP	397.2	426.8	570.8	710.8	791.4	926.6	1103.4		1176.4	
Inputl power	HP	69.6	77	100.6	123.4	133.2	159.2	183.8		197.2	
supply voltage		3PH 380V-415V 50HZ/60HZ									
refrigerant	type	R22									
	fill LBS	59.4*2	72.6*2	92.6*2	105.6*2	121*2	150*2	170*2		193.6*2	
	control mode	Expandsion valve									
Compressor	type	Semi-closed screw									
	starting mode	Y-△									
	capacity regulator	0-25-50-75-100									
	power(HP)	34.8*2	38.5*2	50.3*2	61.7*2	66.6*2	79.6*2	91.9*2		98.6*2	
Evaporator	type	shell and tube									
	Water(m³/h)	52.2	59	79	91.2	99.4	124.8	151.6		162	
	inch waterpipe joint	4	4	5	6	6	6	6		8	
	Water pressure	42	42	46	43	45	45	43		48	
Condenser	type	Shell and tube type									
	Water(m³/h)	64.6	73.2	98.4	112	123.4	154	191		202	
	inch waterpipe joint	4	4	3*2	3*2	4*2	4*2	4*2		5*2	
	Water pressure	41	42	42	45	48	46	48		48	
safety guard		Compressor overheat protection, overcurrent protection, high and low pressure protection, overtemperature protection, flow protection, phase sequence/lack phase protection, exhaust overprotection, anti-freeze protection.									
boundary dimension	Length inch	98.4	100.4	102	110	110	114	118	130	150	153
	Width inch	30.7	30.7	30.7	37.4	37.4	37.4	47.2	54.3	54.3	54.3
	Hdight inch	64.9	64.9	64.9	70.8	76.7	76.7	62.2	64.1	68.9	69
The unit weight	LBS	1850	2200	2650	2800	3450	3950	4100		4450	
operating weight	LBS	2150	2500	2970	3400	4160	4350	4700		5050	

Data are obtained according to the following design conditions:

1, chilled water in/out temperature of 54℉ / 44℉

2, cooling air in/out temperature 86℉ / 100℉

(Specifications are subject to change without prior notice)