

ANYDA REFRIGERATION



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COMPANY PROFILE



Shen Zhen Anyda Refrigeration Equipment Co., Ltd. is a high-tech private enterprise which was established in 2013, with the registered capital of 5 million yuan, covers an area of 8900 square meters, Anyda gradually grow up step by step.

Anyda is specialized in the research, production and trading of industrial refrigeration technology and facilities. We have gradually produced Industrial Chiller, Water Chiller, Air Cooler, Oil Chiller, Low Temperature Chillers, Hot Water Chiller, Heat Pumps and Central Air Conditioner which are widely applied to plastic & rubber machinery, daily-use chemical, textile, general machinery, laser machinery, LCD and PCB industry, electroplating, equipments of laboratory, food, pharmacy, etc.

Now we own almost one hundred staff and about five of them are engineers with 15 years of chiller R & D and production management manufacturing experience which provide the best technical support to our customer.

We gained the certification of ISO9001:2008 and CE international quality management systems. We have exported to Russia, Uzbekistan, Kazakhstan, Saudi Arabia, Africa, Indonesia, Malaysia, Romania, Bulgaria, Australia, Palestine, Sri Lanka, Mexico, America, Lebanon, Lithuania and so on, which covered about USD2 millions. We are looking forward to your suggestion, and are confident of becoming your choice!

QUALIFICATION



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Air Cooled Scroll Water Chiller

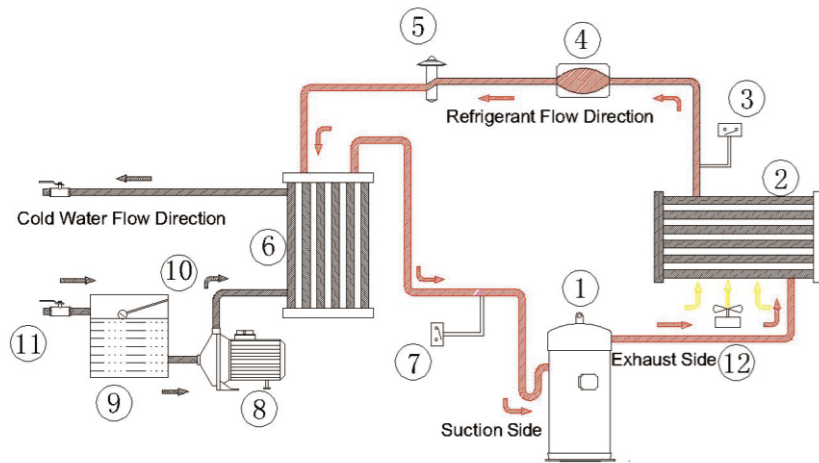


Description:

1. Easy to install and clean, flexible, which help the customers to save time and improve the working efficiency.
2. Imported the compressor with a famous brand. Having a built-in large flow pump, equipped with 304 stainless expansion tank and installed automatic watering device. Having excellent throttling technology combined copper-fin condenser with shell-tube evaporator. So the unit is extraordinary perfection.
3. Having a metal burning painted frame work, which is rustproof, anti-vibration, low noise, high effective heat exchange materials and EER.
4. Adopted operation interface with the humanized touch, which is intelligent control, flexible and safety.
5. Field of application: Laser, Chemical, Plating and oxidation, Precision Instruments, Printing, Ink, Paper, Metal, Casting, Blowing, Injection Plastic Industry, Food Processing, Pharmaceutical Industry, Electronic Circuit Board, Wave Soldering Reflow, Interlayer Cooling, Space Purification Treatment, Ultrasonic Cleaning, Bath temperature control, Cutting and Welding, Surface Treatment, Aluminum, Glass Crafts, Jewelry Processing, Leather and Aquaculture .
6. A full intelligent control system and non-stop running within 24 hours.



Working Principle Diagram



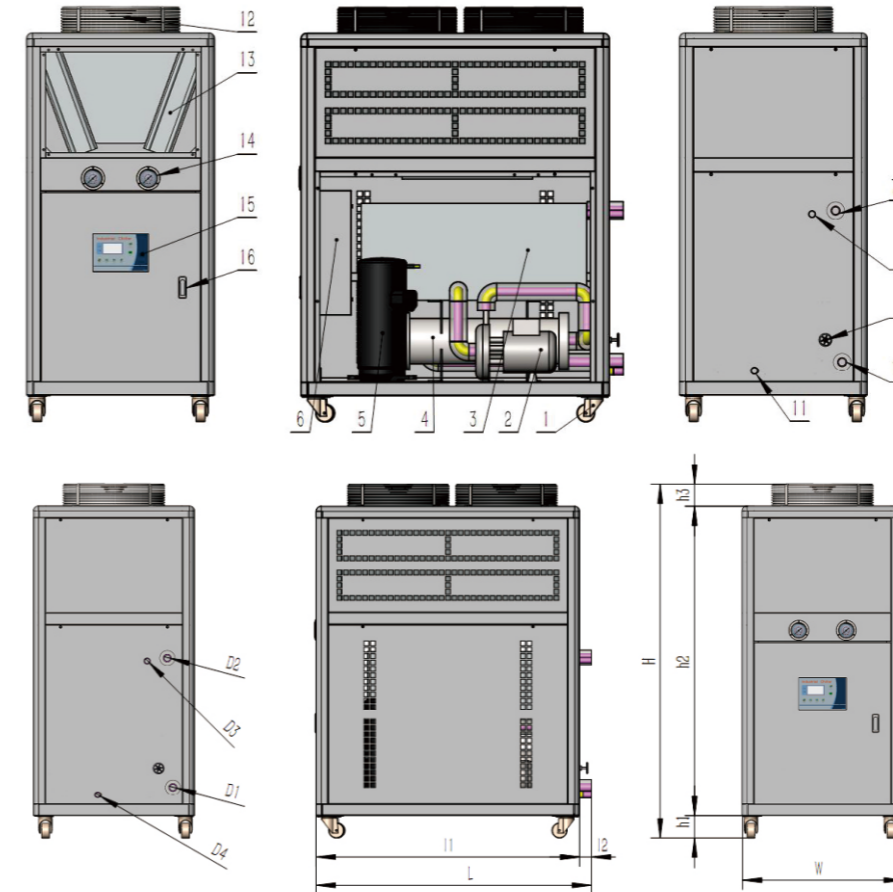
1. Compressor
2. Condenser
3. High Pressure Switch
4. Drying Filter
5. Expansion Valve
6. Evaporator
7. Low Pressure Switch
8. Pump
9. Water Tank
10. Level Sensor
11. Ball Valve
12. Fan

Technic Parameter Sheet

Parameter	Model	AYD-1/2A	AYD-01A	AYD-02A	AYD-03A	AYD-04A	AYD-05A	AYD-06A	AYD-08A	AYD-10A	AYD-12A	AYD-15A	AYD-20A	AYD-25A	AYD-30A	AYD-40A	AYD-50A
Cooling Capacity	KW 50HZ/60HZ	1.53	2.94	5.67	8.39	10.90	13.95	16.90	21.80	28.01	33.79	44.15	59.08	71.72	87.20	113.58	135.49
	Kcal/h 50HZ/60HZ	1316	2528	4872	7216	9374	11990	14530	18748	24089	29059	37965	50805	61683	74992	97675	116521
PowerSupply	Volt	1P-220V-50HZ/60HZ						3N-380V/415V-50HZ/60HZ									
Refrigerant	Name	R22/R404a/R407c															
	Fill kg	0.6	0.8	1.8	2.7	3.5	4.3	5	3.5x2	4.3x2	5x2	6.5x2	4.3x4	10.5x2	8x3	8x4	10.5x4
Compressor	controltype	Capillary tube						Expansion Valve									
	Type	Scroll or Piston															
Air Flow	Motor KW	0.55	0.75	1.5	2.25	3	3.75	4.5	3x2	3.75x2	4.5x2	5.5x2	3.75x4	9.4x2	7.5x3	7.5x4	9.4x4
	m ³ /h	800	1200	2200	3200	4300	5300	6400	8500	10600	12600	15800	21000	26000	32000	42000	52800
Cold Water	Flow m ³ /h	0.26	0.51	0.97	1.44	1.87	2.4	2.91	3.75	4.82	5.81	7.6	10.16	12.34	15.1	19.53	23.3
	Tank L	20	20	30	30	40	40	40	60	80	80	100	200	200	250	400	400
	In/out pipesize	3/4"	3/4"	3/4"	3/4"	3/4"	1"	1"	1-1/2"	1-1/2"	1-1/2"	2"	2"	2-1/2"	2-1/2"	3"	3"
pump	Motor kw	0.2	0.37	0.37	0.37	0.37	0.75	0.75	1.5	1.5	1.5	1.5	2.2	2.2	3.75	3.75	3.75
	Raise kpa	180	180	200	200	200	200	200	200	205	205	205	220	220	240	240	240
Dimension	Length mm	740	910	910	1070	1070	1165	1165	1370	1540	1600	1780	2030	2030	2180	2580	2580
	Width mm	540	540	540	600	600	680	680	710	780	820	830	910	910	910	1800	2000
	Height mm	800	990	990	1370	1370	1540	1540	1590	1690	1770	1750	1925	2020	2020	2050	2100
Weight	kg	60	120	130	160	170	250	270	350	370	520	590	790	880	1100	1280	1420

Design condition: At standard atmospheric pressure, evaporating temp. 2°C, water outlet temp. 7°C, condensing temp. 45°C, superheating temp. 5°C, supercooling temp. 5°C.

Structures:



NO.	Description
1	wheel
2	Water Pump
3	Water Tank
4	Shell and Tubes Evaporator
5	Compressor
6	Electrical Box
7	Water Return Pipe
8	Water Supply Pipe
9	Drain Valve
10	Water Outlet
11	Outfall
12	Fan
13	Finned Condenser
14	Pressure Gauge
15	Control Panel
16	Lock of Electrical Box

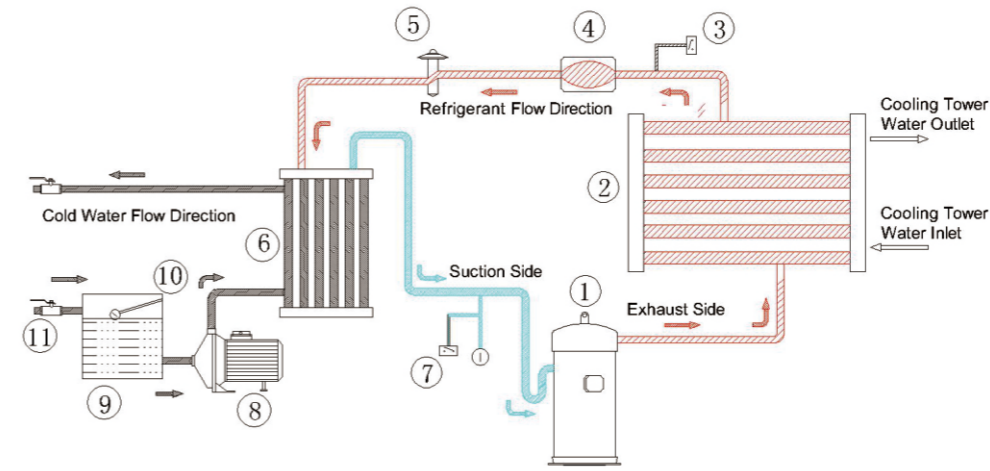
Dimension:

Model	L	W	H	I1	I2	h1	h2	h3	D1/D2	D5	D6
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	Cold Water Pipe	Water Supply Pipe	Outfall Pipe
AYD-0.5A	740	540	800	690	50	90	650	60	3/4"	1/2"	1/2"
AYD-1A	910	540	990	860	50	90	790	110	3/4"	1/2"	1/2"
AYD-2A	910	540	990	860	50	90	790	110	3/4"	1/2"	1/2"
AYD-3A	1070	600	1370	1020	50	90	1170	110	3/4"	1/2"	1/2"
AYD-4A	1070	600	1370	1020	50	90	1170	110	3/4"	1/2"	1/2"
AYD-5A	1165	680	1540	1115	50	110	1310	120	1"	1/2"	1/2"
AYD-6A	1165	680	1540	1115	50	110	1310	120	1"	1/2"	1/2"
AYD-8A	1370	710	1590	1320	50	110	1360	120	1-1/2"	1/2"	1/2"
AYD-10A	1540	780	1690	1490	50	110	1460	120	1-1/2"	1/2"	3/4"
AYD-12A	1600	820	1770	1550	50	110	1530	130	1-1/2"	1/2"	3/4"
AYD-15A	1780	830	1750	1700	80	110	1510	130	2"	1/2"	3/4"
AYD-20A	2030	910	1925	1950	80	130	1665	130	2"	1/2"	1"
AYD-25A	2030	910	2020	2500	80	130	1760	130	2"	1/2"	1"
AYD-30A	2180	910	2020	2500	80	130	1760	130	2-1/2"	1/2"	1"
AYD-40A	2580	1800	2050	1950	80	130	1740	130	3"	1/2"	1"
AYD-50A	2580	2000	2100	2100	80	130	1840	130	3"	1/2"	1"

Water Cooled Scroll Water Chiller



Working Principle Diagram



- 1.Compressor
- 2.Condenser
- 3.High Pressure Switch
- 4.Drying Filter
- 5.Expansin Valve
- 6.Evaporator
- 7.Low Pressure Switch
- 8.Pump
- 9.Water Tank
- 10.Level Sensor
- 11.Ball Valve

Technic Parameter Sheet

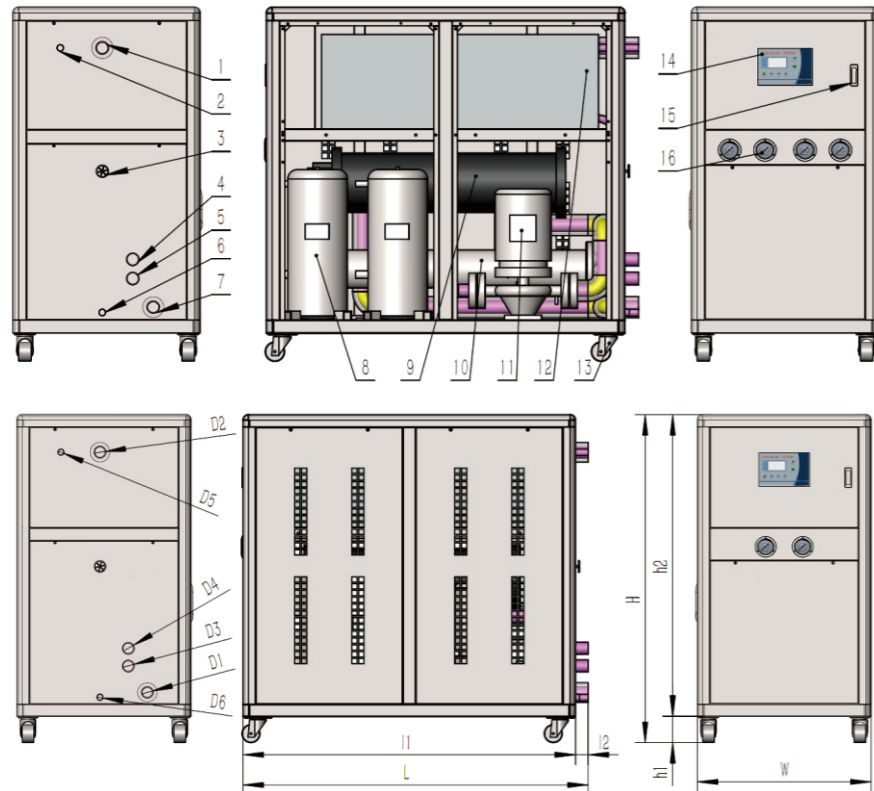
Parameter	Model	AYD-03W	AYD-04W	AYD-05W	AYD-06W	AYD-08W	AYD-10W	AYD-12W	AYD-15W	AYD-20W	AYD-25W	AYD-30W	AYD-36W	AYD-40W	AYD-45W	AYD-50W	AYD-60W
Cooling Capacity	KW	9.5	12.43	15.91	19.18	24.85	31.83	38.37	50.14	67.14	81.53	99.91	118.8	129.06	148.5	165	196
	50HZ/60HZ	11.22	14.54	18.62	22.45	29.08	37.24	44.89	58.66	78.56	95.39	116.05	140.5	151.00	175.2	195	230
Input power	Kcal/h	8251	10682	13690	16503	21375	27370	32994	43120	57748	70720	85303	102168	110984	127710	141900	168560
	50HZ/60HZ	9654	12498	16018	19308	25009	32023	38603	50451	67565	82040	99805	121088	129851	150672	167700	191800
Running current	KW	2.8	3.55	4.3	5.2	6.8	8.4	10.1	13.1	17.3	21.3	25.6	29.75	33.1	38.95	43.23	51.75
	A	6.7	8.4	10.5	12.6	16.5	20.4	24.6	31.8	42.1	48.5	58.3	64	75.4	82.3	90.5	110
Power supply	Volt	3P-380/415V- 50/60HZ															
Refrigerant	Name	R22															
	kg	1.7	2.2	2.8	3.4	2.2x2	2.8x2	3.4x2	4.2x2	2.8x4	6.3x2	5.6x3	7.2x3	5.6x4	9x3	7.5x4	7.2x5
	controlltype	Capillary tube/Expansion valve															
Compressor	Type	Hermetic scroll															
	kw	2.25	3	3.75	4.5	3x2	3.75x2	4.5x2	5.5x2	3.75x4	9.4x2	7.5x3	9x3	7.5x4	11.25x3	9.37x4	9x5
Cooling Tower Water	Flow m3/h	2.06	2.6	3.42	4.13	5.34	6.85	8.24	10.78	14.44	17.54	21.32	24.12	27.74	30.15	33.5	40.2
	Caliber	3/4"	3/4"	1"	1"	1-1/2"	1-1/2"	1-1/2"	2"	2"	2"	2-1/2"	2-1/2"	2-1/2"	3"	3"	3"
Cold Water	Flow m3/h	1.65	2.14	2.74	3.3	4.27	5.47	6.59	8.62	11.55	14.03	17.06	19.5	22.19	24.75	27.5	33
	Tank L	50	50	50	50	100	100	100	150	180	180	300	300	400	400	500	500
	Caliber	3/4"	3/4"	1"	1"	1"	1-1/2"	1-1/2"	2"	2"	2"	2-1/2"	2-1/2"	3"	3"	3"	3"
Pump	Motor kw	0.37	0.37	0.75	0.75	0.75	1.5	1.5	1.5	2.2	2.2	3.75	3.75	3.75	3.75	3.75	3.75
	Pressure Mpa	0.2	0.2	0.2	0.2	0.2	0.21	0.21	0.21	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
Dimension	L	950	950	950	950	1370	1370	1370	1500	1600	1640	1700	1720	1780	1900	2080	2180
	W	570	570	570	570	690	690	690	800	800	830	830	880	880	880	950	950
	H	1240	1240	1260	1240	1310	1310	1310	1360	1460	1460	1460	1460	1460	1500	1500	1500
Weight	kg	120	140	150	200	210	290	310	400	440	620	690	740	850	1100	1450	1880

Design condition: At standard atmospheric pressure, evaporating temp. 2°C , water outlet temp. 7°C , condensing temp. 40°C , superheating temp. 5°C, supercooling temp. 5°C.

Description:

1. Adopt shell-tube condenser and evaporator, low vibration and low noise, high efficiency heat exchange materials and EER.
2. Using the compressor coupling technique, independent refrigeration loop, starting in time-sharing and dislocation, which reduce the interference of power grid, stabilize the maximum performance of the compressor, save the electrical energy. It can satisfy non-stop operation in 24 hours with automatic temperature control.
3. Location design for evaporator and condenser are very reasonable and oil returns smoothly, ensuring the compressor has a longest life and highest efficiency.
4. Imported main components with a famous brand such as compressor, which are high configuration and EER, full metal frame, all paint anti-rust treatment, perfect refrigeration performance and beautiful in design.
5. Field of application: Workpiece Cooling, Tunnel Cooling, Laser, Chemical, Plating and Oxidation, Precision Instruments, Ink, Paper, Metal, Casting, Inject Plastic Industry, Food Cooling, Pharmaceutical Industry, Electronic Circuit Board, Wave Soldering Reflow, Space Treatment, Cutting and Welding, Surface Treatment, Glass Crafts, Jewelry Processing, Leather and Aquaculture(All kinds of low temperature cooling condition)
6. A full intelligent control system and non-stop running within 24 hours.

Structures:

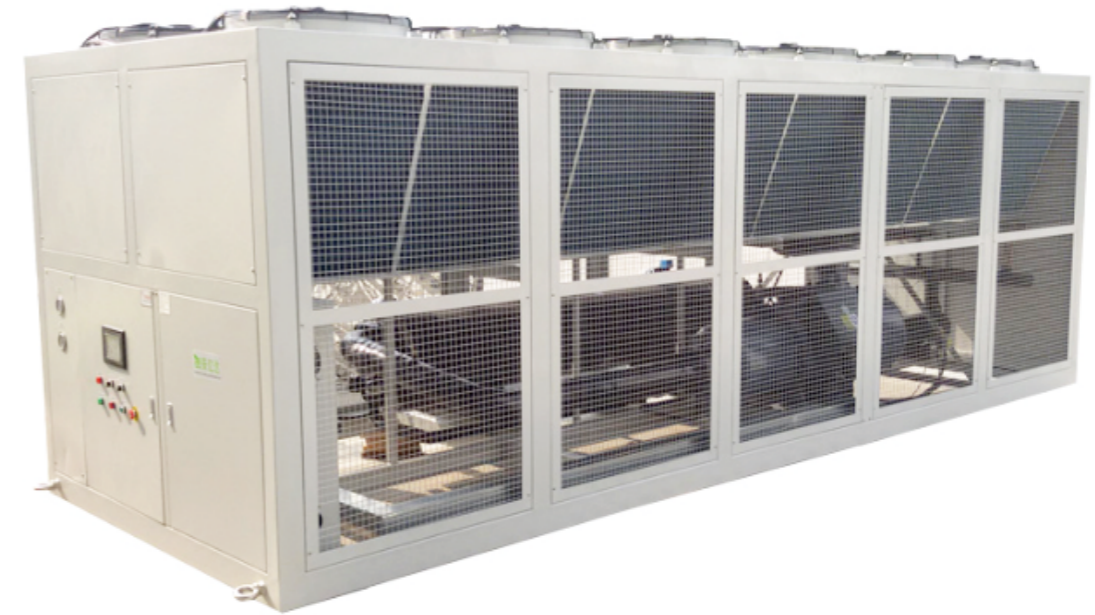


NO.	Description
1	Water Return Pipe
2	Water Supply Pipe
3	Drain Valve
4	Cooling Tower Water Outlet
5	Cooling Tower Water Return
6	Outfall
7	Cold Water Outlet
8	Compressor
9	Shell and Tubes Evaporator
10	Shell and Tubes Condenser
11	Water Pump
12	Water Tank
13	Wheel
14	Control Panel
15	Lock of Electrical Box
16	Pressure Gauge

Dimension:

Model	L	W	H	I1	I2	h1	h2	D1/D2	D3/D4	D5	D6
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	Cold Water Pipe	Cooling Tower Water Pipe	Water Supply Pipe	Outfall Pipe
AYD-3W	950	570	1240	900	50	90	1150	3/4"	3/4"	1/2"	1/2"
AYD-4W	950	570	1240	900	50	90	1150	3/4"	3/4"	1/2"	1/2"
AYD-5W	950	570	1260	900	50	110	1150	1"	1-1/2"	1/2"	1/2"
AYD-6W	950	570	1240	900	50	110	1130	1"	1-1/2"	1/2"	1/2"
AYD-8W	1370	690	1310	1320	50	110	1200	1-1/2"	1-1/2"	1/2"	1/2"
AYD-10W	1370	690	1310	1320	50	110	1200	1-1/2"	1-1/2"	1/2"	3/4"
AYD-12W	1370	690	1310	1320	50	110	1200	1-1/2"	1-1/2"	1/2"	3/4"
AYD-15W	1500	800	1360	1650	80	110	1250	2"	2"	1/2"	3/4"
AYD-20W	1600	800	1460	2000	80	130	1330	2"	2"	1/2"	1"
AYD-25W	1640	830	1460	2000	80	130	1330	2"	2-1/2"	1/2"	1"
AYD-30W	1700	830	1500	2000	80	130	1370	2-1/2"	2-1/2"	1/2"	1"
AYD-40W	1780	880	1500	2100	80	130	1370	3"	3"	1/2"	1"

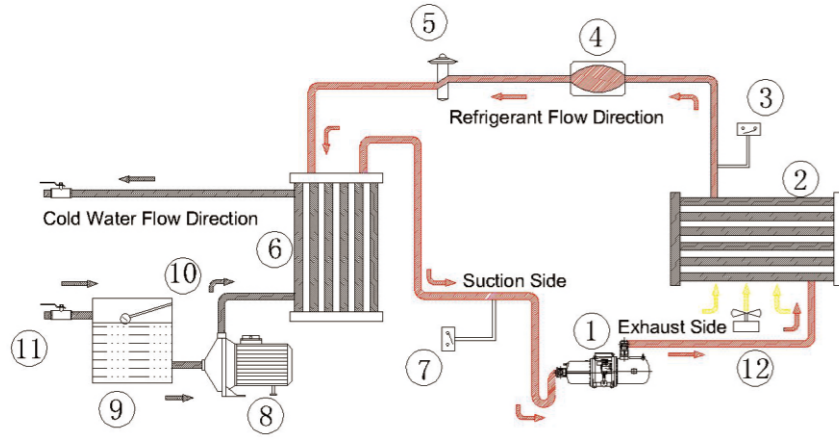
Air Cooled Screw Water Chiller



Description:

1. Adopt low-rotational radiating fan, which discharge the heat smoothly, so the noise level is obviously reduced. The unit control system adopts small vibration, easy to install. It is favorable for where is water shortage, and water-cooled tower is not installed.
2. According to load requirements, unit can realize automatic programmer control and saved the energy consumption. The human machine interface configures a full touch screen, which is accurate monitoring. Applies step and stepless capacity control to reach the maximum energy efficient ratio.
3. Imported special air-cooled (semi-hermetic) screw compressor with a famous brand, which is reliable operation, high efficiency, easy maintenance, exact volume control, and has a wide range of application. The system adopts the latest asymmetric rotor profile, build-in pressure drop lubricant to system with low vibration, low in noise, high performance.
4. Complete protection device: to prevent compressor starting frequently, over-current protection, overheat of motor protection, prevent freezing, sight glass in liquid, oil heating protection, phase protection. HV/LV protection, discharge high-temperature protection, safety value, soluble chock, water shut-off protection.
5. Field of application: Laser, Chemical, Plating and oxidation, Precision Instruments, Printing, Ink, Paper, Metal, Casting, Blowing, Injection Plastic Industry, Food Processing, Pharmaceutical Industry, Electronic Circuit Board, Wave Soldering Reflow, Interlayer Cooling, Space Purification Treatment, Ultrasonic Cleaning, Bath temperature control, Cutting and Welding, Surface Treatment, Aluminum, Glass Crafts, Jewelry Processing, Leather and Aquaculture .
6. A full intelligent control system and non-stop running within 24 hours.

Working Principle Diagram



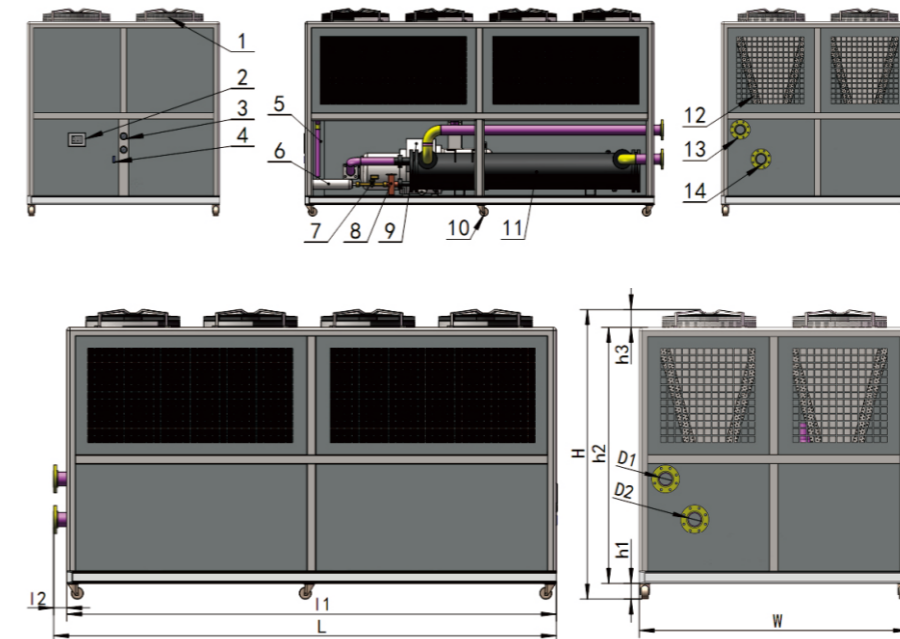
- 1.Screw Compressor
- 2.Condenser
- 3.High Pressure Switch
- 4.Drying Filter
- 5.Expansin Valve
- 6.Evaporator
- 7.Low Pressure Switch
- 8.Pump
- 9.Water Tank
- 10.Level Sensor
- 11.Ball Valve
- 12.Fan

Technic Parameter Sheet

Item	Model	AYD-110AS	AYD-150AS	AYD-170AS	AYD-200AS	AYD-220AS	AYD-250AS	AYD-270AS	AYD-300AS	AYD-320AS	AYD-350AS	AYD-420AS	AYD-440AS	AYD-480AS	AYD-540AS	
Cooling Capacity	KW	112.7	147.8	168	196.2	215.3	253.7	268.1	293.3	317.5	349.6	416	439.2	480.9	540.8	
	50hz/60hz	135.5	177.8	193.6	207	259.1	305.2	322.5	352.9	382	420.6	500.4	528.4	578.5	650.6	
Running Current	A	76	100	114	130	142	155	165	185	199	218	247	260	280	295	
		86	112	125	148	162	178	192	216	231	255	290	305	330	355	
Capacity Control		100%-75%-50%-25% or stepless														
Compressor	Type	Screw Semi-hermetic														
	Motor	Kw	33.4	42	46	56	61	68.7	72.2	79.5	86.8	96.5	112.1	118.3	128.2	142.4
Refrigerant	Name	R22/R134a/R404a/R507c														
	control	hermostatic Expansion Valve														
Evaporator	Type	Shell and Tubes														
	Flow	m3/h	21	26	31	35	40	45	50	55	60	65	70	75	80	99
	Resistance	Kpa	33	38	38	43	47	42	45	50	53	45	47	50	52	52
	Pipe Size	Inch	2-1/2"	2-1/2"	3"	3"	3"	4"	4"	4"	4"	5"	5"	5"	5"	6"
Condenser		Brass forge lower typealuminum plate-fin														
Fan	Type	Low Noise Aluminum Blade Axial Fan														
	Air Volume	m3/h	42000	52000	64000	75000	88000	92000	110000	120000	130000	150000	162000	172000	186000	210000
Safety Device		Compressor anti-frequent start protection, over current relay protection, compressor motor overheat protection, anti freezing protection, oil heating protection, Phase protection, high / low voltage protection, high temperature protection, exhaust valve, cut-off protection etc.														
Size	L	mm	2150	2450	3180	3180	3180	3180	3180	3180	4080	4100	4100	4100	5800	8000
	W	mm	1800	1800	1800	1800	1900	2000	2000	2000	2000	2000	2000	2000	2200	2200
	H	mm	1900	1900	2060	2060	2060	2060	2100	2100	2100	2100	2100	2100	2200	2300
Net Weight	kg	1200	1290	1500	1800	1850	2350	2500	3100	3350	3660	3850	4000	4250	5250	
Operating Weight	kg	1280	1380	1600	1910	1970	2480	2640	3250	3510	3830	4030	4200	4450	5800	

Design condition: At standard atmospheric pressure, evaporating temp. 2℃ , water temp outlet 7℃, condensing temp. 45℃ , superheating temp. 5℃, supercooling temp. 5℃.

Air Cooled Screw Water Chiller Structures:



NO.	Description
1	Fan
2	Control Panel
3	Pressure Gauge
4	Lock of Electrical Box
5	Electrical Box
6	Filter Dryer
7	Solenoid Valve
8	Expansion Valve
9	Screw Compressor
10	Wheels
11	Shell and Tubes Evaporator
12	Finned Condenser
13	Cold Water Outlet
14	Cold Water Inlet

Dimension:

Model	L	W	H	l1	l2	h1	h2	h3	D1/D2
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	Cold Water Pipe
AYD-110AS	2150	1800	1900	2100	50	130	1640	130	2-1/2"
AYD-150AS	2450	1800	1900	2400	50	130	1640	130	2-1/2"
AYD-170AS	3180	1800	2060	3100	80	130	1800	130	3"
AYD-200AS	3180	1800	2060	3100	80	130	1800	130	3"
AYD-220AS	3180	1900	2060	3100	80	130	1800	130	3"
AYD-250AS	3180	2000	2060	3100	80	130	1800	130	4"
AYD-270AS	3180	2000	2100	3100	80	130	1840	130	4"
AYD-300AS	3180	2000	2100	3100	80	130	1840	130	4"
AYD-320AS	4080	2000	2100	4000	80	130	1840	130	4"
AYD-350AS	4100	2000	2100	4000	100	130	1840	130	5"
AYD-420AS	4100	2000	2100	4000	100	130	1840	130	5"
AYD-440AS	4100	2000	2100	4000	100	130	1840	130	6"
AYD-480AS	5800	2000	2200	5700	100	130	1940	130	6"

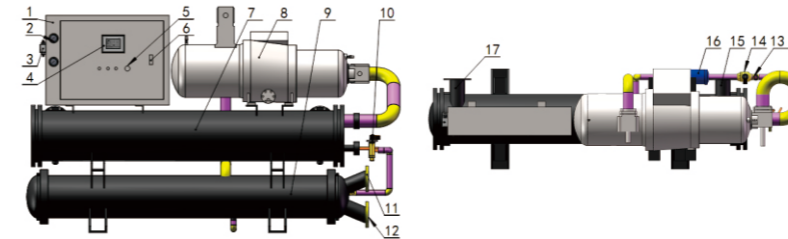
Water Cooled Screw Water Chiller



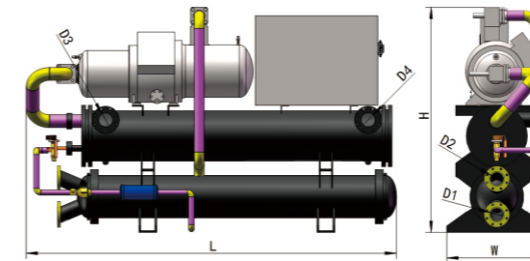
Description:

1. Adopt the best (semi-hermetic) screw compressor from abroad, and operate credibility, high efficiency, easy to maintain, exact volume control, a wide range of application. The system adopts the latest asymmetric rotor profile. Build-in pressure drop lubricant to system with low vibrations, sound emissions, high sealing performance.
2. The human machine interface configures a full touch screen, which enables automatic control and accurate monitoring. the advantages of unit: waterproof, dust-proof, corrosion resistant, long life. Step or stepless capacity control, the unit ensure that it bring into the most energy-saving effective in any load conditions.
3. Due to use heat copper tube and high efficiency compressor with high effective thermal expansion current-saving device, the unit will operate in stability, longer and effectively.
4. Chiller unit adopts a reliable safety protection device: to prevent compressor starting frequently, over-current protection, overheat of motor protection, prevent freezing, sight glass in liquid, oil heating protection, phase protection, HV/LV protection, discharge high-temperature protection, safety value, soluble clock, water shut-off protection, and so on.
5. Field of application: Laser, Chemical, Plating and oxidation, Precision Instruments, Printing, Ink, Paper, Metal, Casting, Blowing, Injection Plastic Industry, Food Processing, Pharmaceutical Industry, Electronic Circuit Board, Reflow Soldering, Interlayer Cooling, Space Purification Treatment, Ultrasonic Cleaning, Bath temperature control, Cutting and Welding, Surface Treatment, Aluminum, Glass Crafts, Jewelry Processing, Leather and Aquaculture.
6. A full intelligent control system and non-stop running within 24 hours.

Structures:



Dimension(mm):



NO.	Description
1	Electrical Box
2	Pressure Gauge
3	Pressure Controller
4	Control Panel
5	Emergency stop switch
6	Lock of Electrical Box
7	Shell and Tube Evaporator
8	Compressor
9	Shell and Tubes Condenser
10	Expansion Valve
11	Cooling Tower Water Outlet
12	Cooling Tower Water Inlet
13	Liquid lens
14	solenoid valve
15	Cold Water Outlet
16	Filter Dryer
17	Cold Water Inlet

Technic Parameter Sheet

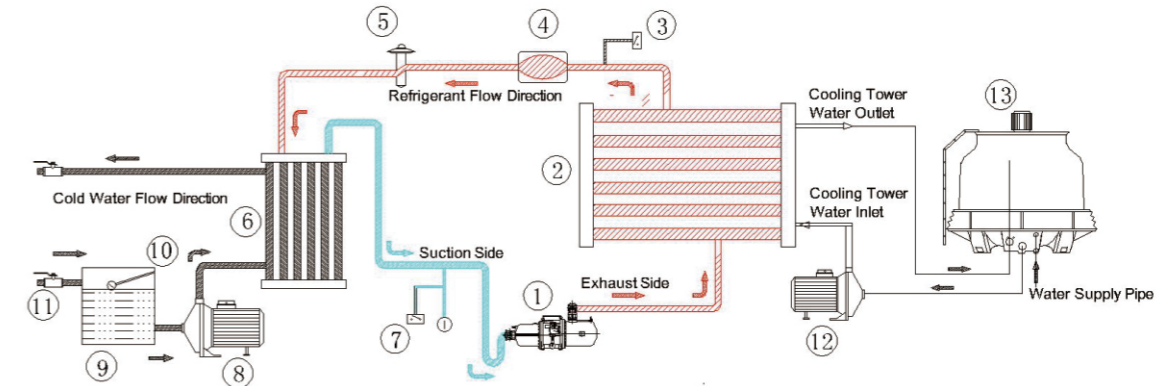
Item	Model	AYD	AYD	AYD	AYD	AYD	AYD	AYD	AYD	AYD	AYD	
		-120WS	-160WS	-180WS	-210WS	-240WS	-280WS	-300WS	-320WS	-350WS	-380WS	
Cooling Capacity	KW	123	161.8	176.2	214.7	235.7	277.7	293.4	321.1	347.5	382.6	
	50HZ/60HZ	148	194.6	211.9	258.3	283.5	334.1	353.0	386.2	418.1	460.3	
Running Current	A	51.6	64.5	71.6	85.5	92.9	105	111	122	135	152	
		62	76.2	84.5	102.4	112.6	128	135	148.6	165	180	
Capacity Control	100%-75%-50%-25% or stepless											
Power Supply	3Φ-380V/415V-50Hz/60Hz											
Refrigerant	Type	R22/R134a/R404a/R407c										
	Control Type	Thermostatic Expansion Valve										
Compressor	Type	Screw Semi-hermetic										
	Motor Power	KW	29.7	37.5	40.8	49.6	54.1	60.9	64.1	70.5	76.9	85.6
Evaporator	Type	Shell and Tubes										
	Flow	m3/h	21	26	29	33	38.7	47.3	51.5	55	60	66
	Resistance	Kpa	33	38	38	39	45	42	42	42	44	44
Condenser	Pipe	inch	2-1/2 "	3 "	3 "	3 "	3 "	4 "	4 "	4 "	4 "	
	Type	Shell and Tubes										
	Flow	m3/h	27	33.5	38	42.5	50	61.5	70.3	76.8	83.9	90.9
Safety Device	Resistance	Kpa	38	43	43	43	44	45	45	45	45	
	Pipe	inch	2-1/2 "	3 "	3 "	3 "	3 "	4 "	4 "	5 "	5 "	
Size	Compressor anti-frequent start protection, over current relay protection, compressor motor overheat protection, anti freezing protection, oil heating protection, Phase protection, high / low voltage protection, high temperature protection, exhaust valve, cut-off											
	L	mm	2350	2700	2700	2850	3000	3000	3000	3100	3100	3200
	W	mm	800	900	900	900	1000	1000	1000	1100	1100	1100
Net Weight	H	mm	1600	1650	1650	1700	1700	1750	1800	1800	1800	
	kg		880	980	1000	1140	1500	1800	1900	2000	2290	2490
Operating Weight	kg		1000	1110	1200	1250	1650	1960	2050	2180	2500	2650

Design condition: At standard atmospheric pressure, evaporating temp. 2°C, water temp outlet 7°C, condensing temp. 40°C, superheating temp. 5°C, supercooling temp. 5°C.

Technic Parameter Sheet

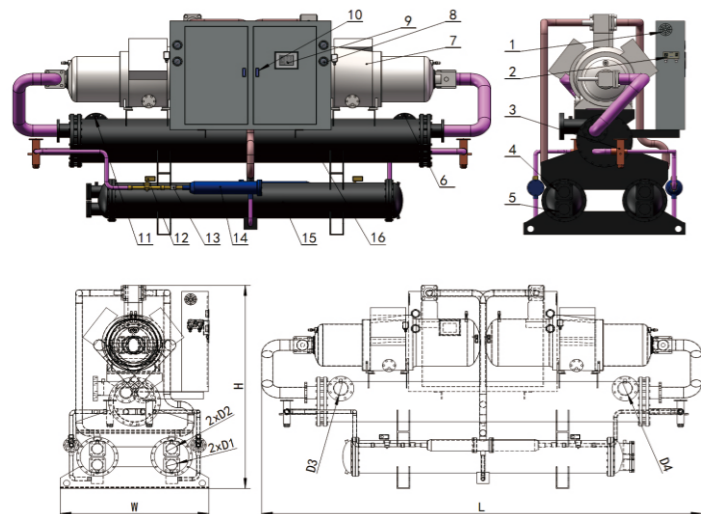
Item	Model	AYD-450WS	AYD-480WS	AYD-530WS	AYD-570WS	AYD-590WS	AYD-690WS	AYD-760WS	AYD-910WS	AYD-960WS	AYD-1060WS	AYD-1140WS	AYD-1200WS	
Cooling Capacity	KW 50HZ/60HZ	455.3	480.7	526.4	570	591.9	689.4	765.2	910.6	961.4	1052.8	1140	1200	
	Kcal/h 50HZ/60HZ	391730	413402	452704	490200	509034	592884	658072	783116	826804	905400	980400	1032000	
Running Current	A	176	186	201	216	213	256	304	352	372	402	432	446	
Capacity Control	100%-75%-50%-25% or stepless													
Power Supply	3Φ-380V/415V-50Hz/60Hz													
Refrigerant	Type	R22/R134a/R404a/R407c												
	Control Type	Thermostatic Expansion Valve												
Compressor	Type	Screw Semi-hermetic												
	Motor Power KW	99.3	104.9	113.7	122.3	126.2	145.5	85.6*2	99.3*2	104.9*2	113.7*2	122.3*2	126.2*2	
Evaporator	Type	Shell and Tubes												
	Flow m3/h	71.5	79.8	83	93.5	99	112	125	143	160	168	187	198	
	Resistance Kpa	44	44	46	46	46	46	48	48	48	48	50	50	
Condenser	Type	Shell and Tubes												
	Flow m3/h	96.6	102	107.2	116.8	125	138.5	160	175.9	195	206	228	243	
	Resistance Kpa	47	47	47	47	49	49	49	49	49	49	51	51	
Safety Device	Compressor anti-frequent start protection, over current relay protection, compressor motor overheat protection, anti freezing protection, oil heating protection, Phase protection, high / low voltage protection, high temperature protection, exhaust valve, cut-off protection etc.													
	Size	L mm	3200	3200	3200	3300	3400	3400	4000	4050	4050	4100	4100	4200
		W mm	1100	1100	1350	1350	1450	1450	1500	1500	1500	1600	1700	1700
H mm		1850	1850	1850	1850	1900	2000	2120	2150	2150	2300	2350	2350	
Net Weight	kg	2650	2840	3010	3200	3380	3600	3860	4080	4300	4520	4750	4970	
Operating Weight	kg	2800	3050	3200	3400	3600	3820	4050	4360	4600	4830	4980	5190	

Working Principle Diagram



1. Screw Compressor
2. Condenser
3. High Pressure Switch
4. Drying Filter
5. Expansin Valve
6. Evaporator
7. Low Pressure Switch
8. Pump
9. Water Tank
10. Level Sensor
11. Ball Valve
12. Cooling Water Pump
13. Cooling Tower

Double-Compressor Screw Chiller Structures:



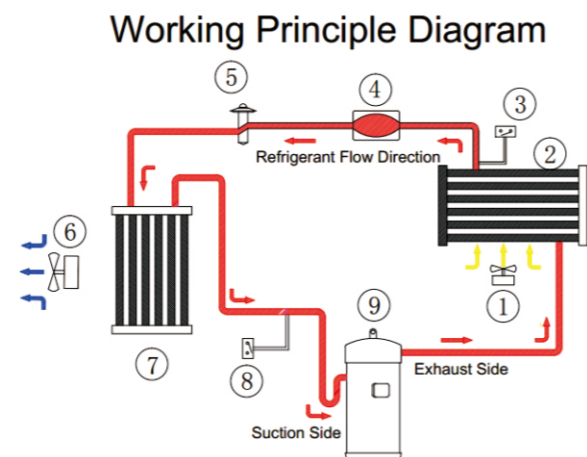
NO.	Description
1	Fan of Ele Box
2	Pressure Controller
3	Expansion Valve
4	Cooling Tower Water Outlet
5	Cooling Tower Water Inlet
6	Cold Water Inlet
7	Compressor
8	Pressure Gauge
9	Control Panle
10	Lock of Elec Box
11	Cold Water Outlet
12	Solenoid Valve
13	Liquid Lens
14	Filter Dryer
15	Shell and Tubes Condenser
16	Shell and Tubes Evaporator

Dimension:

Model	L			D	
	(mm)	(mm)	(mm)	D1/2	D3/4
AYD-120WS	2350	800	1600	Cooling Tower Water Pipe 2-1/2"	Cold Water Pipe 2-1/2"
AYD-160WS	2700	900	1650	3"	3"
AYD-180WS	2700	900	1650	3"	3"
AYD-210WS	2850	900	1700	3"	3"
AYD-240WS	3000	1000	1700	3"	3"
AYD-280WS	3000	1000	1750	4"	4"
AYD-300WS	3000	1000	1800	4"	4"
AYD-320WS	3100	1100	1800	4"	4"
AYD-350WS	3100	1100	1800	5"	4"
AYD-380WS	3200	1100	1800	5"	4"
AYD-450WS	3200	1100	1850	5"	5"
AYD-480WS	3200	1100	1850	5"	5"
AYD-530WS	3200	1350	1850	6"	5"
AYD-570WS	3300	1350	1850	6"	5"
AYD-590WS	3400	1450	1900	6"	5"
AYD-690WS	3400	1450	2000	6"	6"
AYD-760WS	4000	1500	2120	6"	6"
AYD-910WS	4050	1500	2150	8"	6"
AYD-960WS	4050	1500	2150	8"	8"
AYD-1060WS	4100	1600	2300	8"	8"
AYD-1140WS	4100	1700	2350	8"	8"
AYD-1200WS	4200	1700	2350	8"	8"

Design condition: At standard atmospheric pressure, evaporating temp. 2°C , water temp outlet 7°C, condensing temp. 40 °C , superheating temp. 5°C, supercooling temp. 5°C.

Air Cooler

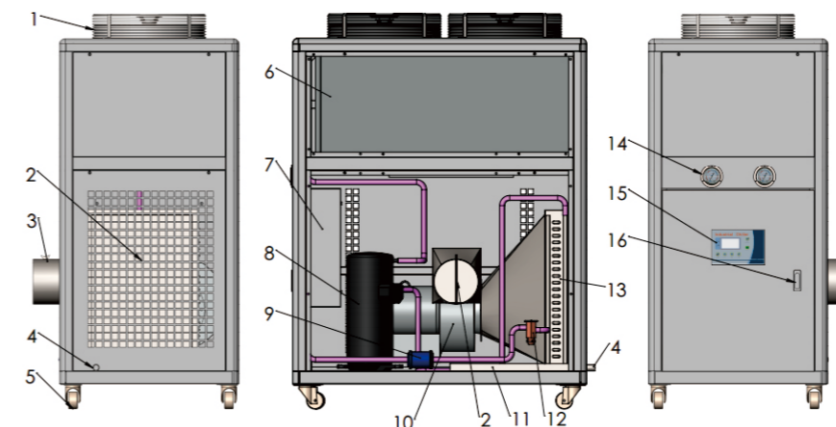


- 1.Cooling Fan
- 2.Condenser
- 3.High Pressure Switch
- 4.Drying Filter
- 5.Expansin Valve
- 6.Chilled Fan
- 7.Evaporator
- 8.Low Pressure Switch
- 9.Compressor

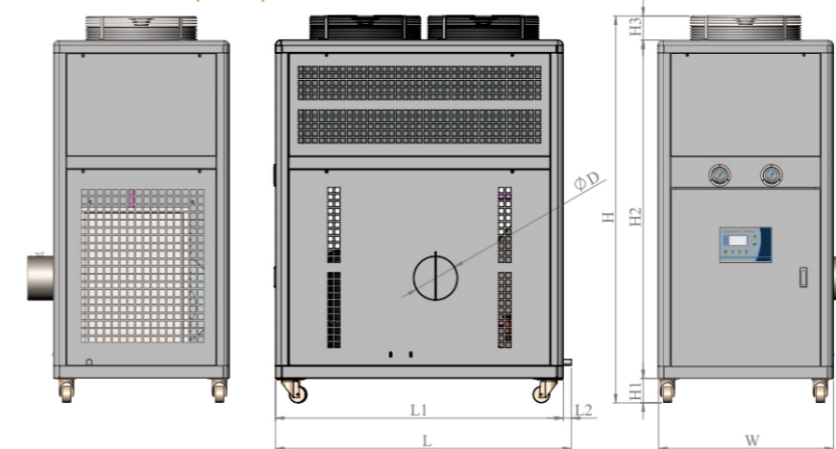
Description:

- 1.The system is perfectly designed for high energy ratio, farther blowing patent design, and lower energy than others.
- 2.A variety of defrosting is alternative: shorter-time, good efficiency, and adopt electrical heating defrosting type with double overheating protection, the temperature rise is due to reduce the frosting and energy-saving consumption.
- 3.Designed for full waterproof and anti-corrosion casing with anti-oxidation gas protection and welding process, cleaning highly in internal system, the heating exchange professional arrangement, in order to reduce wind resistance, contact with thermal resistance, high heating efficiency.
- 4.Thanks for specialized fan motor with moisture proof, low temperature resistance, air volume, low in noise, stable and reliable operation, air temperature at -25 °C+10 °C, and have a wide range of application.
- 5.Application areas include: the work piece cooling tunnel cooling, laser, chemical, electroplating oxidation, precision instruments, ink, printing, paper, metal, casting, injection molding plastic industry, food cooling, the pharmaceutical industry, electronic circuit board, wave soldering reflow welding, spatial processing, welding and cutting, surface treatment, glass craft, jewelry processing, leather, aquaculture
- 6.The full-intelligent temperature control system, the design of unit 24 hours non-stop operation.

Structures:



Dimension(mm):

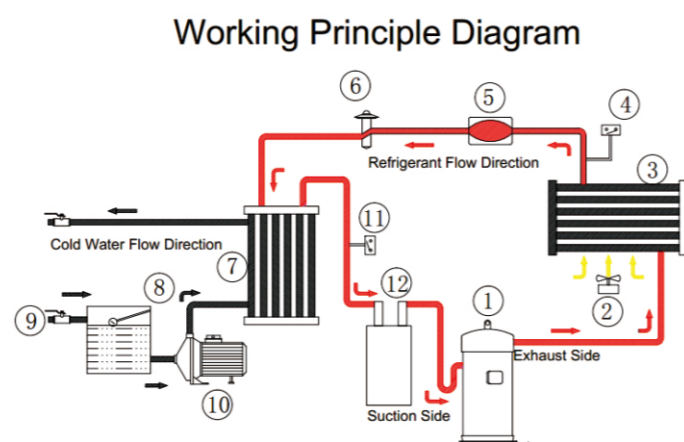


NO.	Description
1	Condensing Fan
2	Air Inlet
3	Air Outlet
4	Condensing Water Outlet
5	Wheel
6	Finned Condenser
7	Electrical Box
8	Compressor
9	Dry Filter
10	Blower
11	Wet Pan
12	Expansion Valve
13	Finned Evaporator
14	Pressure Gauge
15	Control Panel
16	Lock of Electrical Box

Technic Parameter Sheet

Item	Model	AYD-02AR	AYD-03AR	AYD-05AR	AYD-08AR	AYD-10AR	AYD-12AR	AYD-15AR	AYD-20AR	AYD-25AR	AYD-30AR	AYD-40AR
Cooling Capacity	KW	5.66	8.4	13.9	21.8	28.0	33.8	44.1	59.1	73.2	87.0	116.1
	50HZ/60HZ	6.51	9.65	16.1	25.1	32.2	38.9	51.2	69.2	86.5	103.8	139.8
Power supply	Kcal/h	4872	7216	11990	18748	24089	29059	37965	50805	62952	74820	99846
	50HZ/60HZ	5603	8298	13800	21560	27700	33500	44000	59800	74390	89268	120228
Refrigerant	R	R22										
Compressor Power	Kw	1.5	2.2	3.75	3×2	3.75×2	4.5×2	5.5×2	7.5×2	9.375×2	7.5×3	7.5×4
Outlet Pipe Inner Diam	mm	100/150	100/150	100/150	100/150	100/150	150/200	150/200	200/250	200/250	250/300	250/300
Control Temperature Range	°C	0-5	0-5	0-5	0-5	0-5	0-5	0-5	0-5	0-5	0-5	0-5
		5-10	5-10	5-10	5-10	5-10	5-10	5-10	5-10	5-10	5-10	5-10
Air Volume	M ³ /h	200-400	300-550	550-1000	800-2000	1100-2400	1500-2800	1800-3200	2200-3800	2700-4500	3100-5500	3600-6800
Air Speed	M/s	8-12	8-12	8-14	8-14	8-14	8-14	8-14	8-14	8-14	8-14	8-14
Dimension (mm)	L	910	1070	1165	1370	1540	1600	1780	2030	2030	2580	2580
	W	540	600	680	710	780	820	830	910	910	910	1800
	H	990	1370	1540	1590	1690	1770	1750	1925	2020	2020	2000
Weight	Kg	120	133	169	275	350	378	520	600	780	880	1260

Low Temp Chiller - Air Cooled

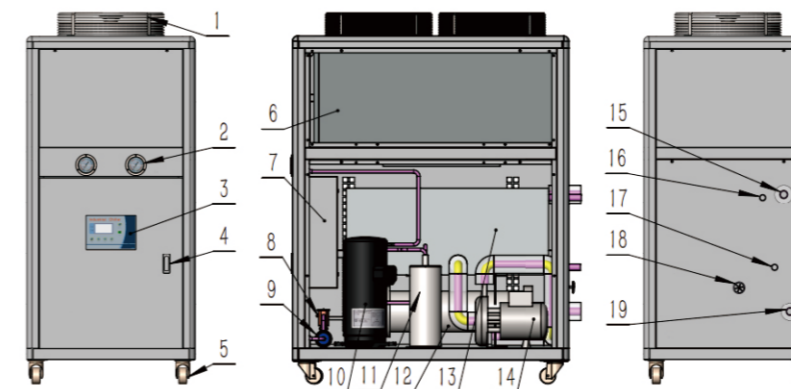


- | | |
|------------------------|-------------------------|
| 1.Compressor | 7.Evaporator |
| 2.Cooling Fan | 8.Water Tank |
| 3.Condenser | 9.Ball Valve |
| 4.High Pressure Switch | 10.Water Pump |
| 5.Drying Filter | 11.Low Pressure Switch |
| 6.Expansin Valve | 12.Gas-Liquid separator |

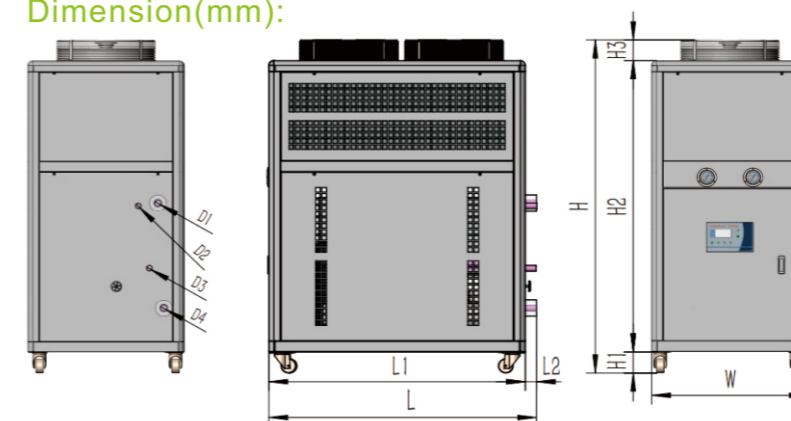
Description:

- The heat medium can be ethylene glycol antifreeze and brine, adopting special material and crafts to protect the evaporator from corrosion and oxidation. Extending the life cycle of the equipment.
- Imported the compressor with a famous brand which has low temperature performance, reliable and durable, high refrigeration efficiency. Equipped with high precision microcomputer controller, automatic operation and without any people on duty.
- The unit is compact in structure, scientific and beautiful in design, all paint anti-rust and corrosion resistant. Having a variety of protection function such as lacking phase.
- According to customer's different requirement, the low temperature chiller can achieve outlet-40 degrees, the lowest temperature chiller can reach -70 degrees, using low-temperature linkage throttling technology and low temperature performance is out of your imagination.
- Field of application: Laser, Chemical, Plating and oxidation, Precision Instruments, Printing, Ink, Paper, Metal, Casting, Blowing, Injection Plastic Industry, Food Processing, Pharmaceutical Industry, Electronic Circuit Board, Wave Soldering Reflow, Interlayer Cooling, Space Purification Treatment, Ultrasonic Cleaning, Bath temperature control, Cutting and Welding, Surface Treatment, Aluminum, Glass Crafts, Jewelry Processing, Leather and Aquaculture .
- A full intelligent control system and non-stop running within 24 hours.

Structures:



Dimension(mm):



No.	Description
1	Condensing Fan
2	Pressure Gauge
3	Control Panel
4	Lock of Electrical Box
5	Wheel
6	Finned Condenser
7	Electrical Box
8	Expansion Valve
9	Dry Filter
10	Compressor
11	Gas Separation
12	Shell and Tubes Evaporator
13	Water Tank
14	Water Pump
15	Water Return
16	Water Supply
17	Outfall
18	Relief Valve
19	Water Outlet

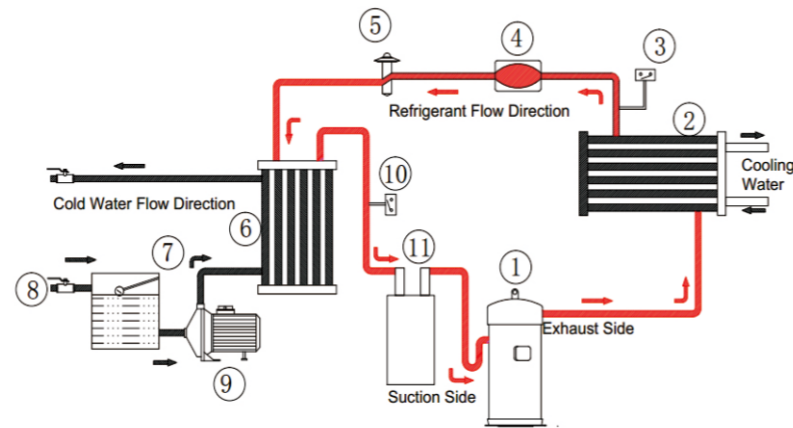
Technic Parameter Sheet

Model/Temp Outlet	AYD-3A -LT	AYD-4A -LT	AYD-5A -LT	AYD-8A -LT	AYD-10A -LT	AYD-15A -LT	AYD-20A -LT	AYD-25A -LT	AYD-30A -LT	AYD-40A -LT	
Cooling Capacity (Kw)	0	6.1	8.3	10.6	17	20.8	27.3	43.2	52.5	64.8	86
	-5	5.05	6.95	8.55	13.9	17.2	22.1	36.3	40.6	54.5	70.2
	-10	4.25	5.7	7.2	11.4	14.25	17.6	28.6	31.8	43.2	57.9
	-15	3.5	4.65	5.9	9.2	10.8	14.3	22.2	24.4	34.3	45.2
	-20	4.64	5.89	7.03	8.39	10.28	16.70	19.88	24.9	29.3	32.8
	-25	3.59	4.54	5.42	6.43	7.76	12.74	15.32	19.02	22.6	25.2
	-30	2.71	3.42	4.09	4.8	5.68	9.41	11.47	14.09	16.91	18.83
	-35	1.99	2.5	2.99	3.47	3.99	6.62	8.26	10	12.18	13.46
-40	1.41	1.76	2.1	2.39	2.62	4.33	5.62	6.65	8.27	8.99	
Air Volume	m ³ /h	3400	4500	5600	8800	11000	16000	21000	26000	32000	43000
In/Out pipe size		3/4"	3/4"	1"	1-1/4"	1-1/2"	2"	2"	2-1/2"	2-1/2"	3"
Cold water volume	m ³ /h	1.5	2	2.5	4	5	7.5	10	12.5	15	21.2
Dimension mm	L	1070	1070	1165	1370	1540	1780	2030	2030	2580	2580
	W	600	600	680	710	780	830	910	910	910	1800
	H	1370	1370	1540	1590	1690	1750	1925	2020	2020	2000
Weight(kg)		170	250	270	370	520	790	880	1100	1280	1420

Low Temp Chiller - Water Cooled



Working Principle Diagram

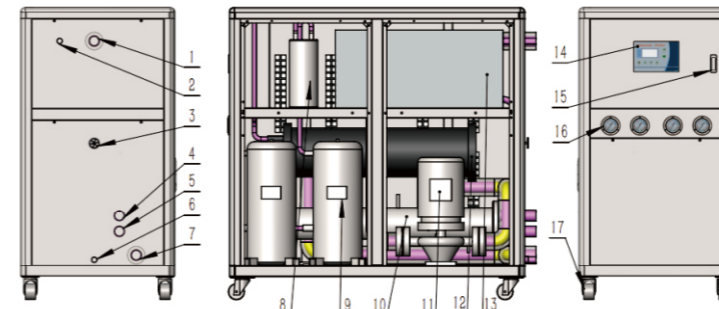


- | | |
|-------------------------|--------------------------|
| 1. Compressor | 7. Water Tank |
| 2. Condenser | 8. Ball Valve |
| 3. High Pressure Switch | 9. Water Pump |
| 4. Drying Filter | 10. Low Pressure Switch |
| 5. Expansion Valve | 11. Gas-Liquid separator |
| 6. Evaporator | |

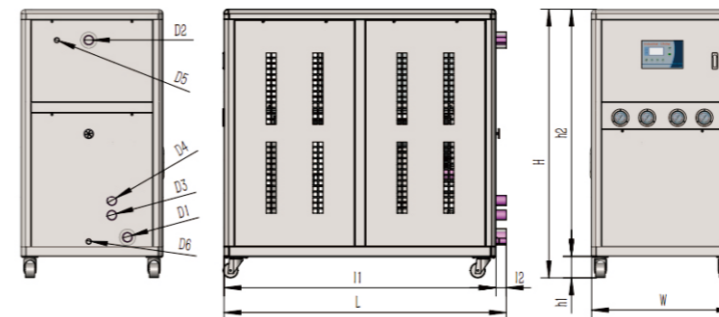
Description:

- The heat medium can be ethylene glycol antifreeze and brine, adopting special material and crafts to protect the evaporator from corrosion and oxidation. Extending the life cycle of the equipment.
- Imported the compressor with a famous brand which has low temperature performance, reliable and durable, high refrigeration efficiency. Equipped with high precision microcomputer controller, automatic operation and without any people on duty.
- The unit is compact in structure, scientific and beautiful in design, all paint anti-rust and corrosion resistant. Having a variety of protection function such as lacking phase.
- According to customer's different requirement, the low temperature chiller can achieve outlet -40 degrees, the lowest temperature chiller can reach -70 degrees, using low-temperature linkage throttling technology and low temperature performance is out of your imagination.
- Field of application: Laser, Chemical, Plating and oxidation, Precision Instruments, Printing, Ink, Paper, Metal, Casting, Blowing, Injection Plastic Industry, Food Processing, Pharmaceutical Industry, Electronic Circuit Board, Wave Soldering Reflow, Interlayer Cooling, Space Purification Treatment, Ultrasonic Cleaning, Bath temperature control, Cutting and Welding, Surface Treatment, Aluminum, Glass Crafts, Jewelry Processing, Leather and Aquaculture .
- A full intelligent control system and non-stop running within 24 hours.

Structures:



Dimension(mm):



NO.	Description
1	Water Return
2	Water Supply
3	Drain Valve
4	Chilled Water Outlet
5	Chilled Water Inlet
6	Outfall
7	Cold Water Outlet
8	Gas-liquid Separator
9	Compressor
10	Shell and Tubes Condenser
11	Water Pump
12	Shell and Tubes Evaporator
13	Water Tank
14	Control Panel
15	Lock of Electrical Box
16	Pressure Gauge
17	Wheel

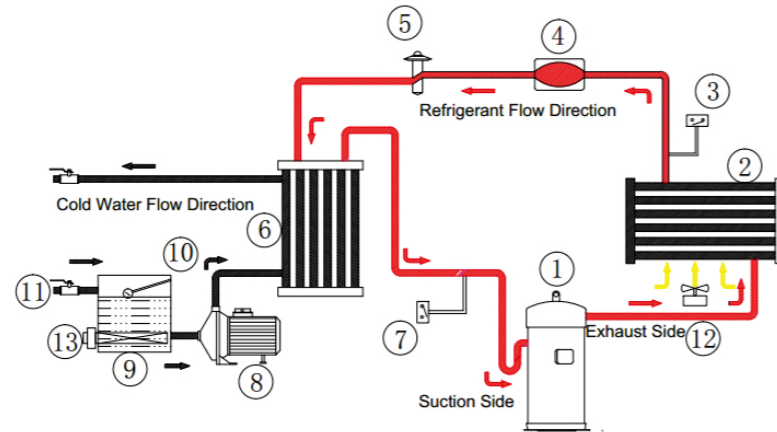
Technic Parameter Sheet

Model/Temp Outlet	AYD-3W -LT	AYD-4W -LT	AYD-5W -LT	AYD-8W -LT	AYD-10W -LT	AYD-15W -LT	AYD-20W -LT	AYD-25W -LT	AYD-30W -LT	AYD-40W -LT	
Cooling Capacity (Kw)	0	6.6	8.95	11.3	17.9	22.5	29	46.5	59.4	70.4	93.8
	-5	5.5	7.45	9.4	14.9	18.8	24.31	39.6	48.29	57.2	76.2
	-10	4.55	6.15	7.75	12.32	15.15	20.2	31.46	38.94	47.8	63.2
	-15	3.7	5.05	6.35	10.1	12.7	16.5	25.9	30.25	35.31	51.5
	-20	5.14	6.52	7.79	9.28	11.5	18.6	22	25.9	30.9	36.4
	-25	3.99	5.06	6.03	6.99	8.76	14.3	17.08	20.2	24.2	28.2
	-30	3.03	3.83	4.58	5.08	6.48	10.68	12.89	15.42	18.46	21.2
	-35	2.25	2.83	3.37	3.53	4.61	7.65	9.39	11.43	13.62	15.41
	-40	1.61	2.01	2.4	2.27	3.11	5.14	6.49	8.12	9.56	10.56
Power Supply	Volt	3N-380V/415V-50HZ/60HZ									
Refrigerant	Name	R22/R404a									
	Control type	Expansion valve									
Compressor	Type	Scroll									
	Motor(kw)	2.25	3	3.75	5	3.75*2	5.625*2	7.5*2	9.375*2	7.5*3	7.5*4
Water Flow	m ³ /h	2.06	2.67	3.42	5.34	6.85	10.78	14.45	17.54	21.32	28.4
In/Out pipe size		1"	1"	1"	1-1/2"	1-1/2"	2"	2"	2-1/2"	2-1/2"	2-1/2"
Cold Water Volume (m3/h)		1.5	2	2.5	4	5	7.5	10	12.5	15	21
Dimension (mm)	L	950	950	950	1370	1370	1730	2080	2080	2080	2180
	W	570	570	570	690	690	800	800	830	830	880
	H	1240	1240	1260	1310	1310	1360	1460	1460	1500	1500
Weight(kg)		150	170	270	350	520	590	790	880	980	1100

Water Chiller for Cooling and Heating



Working Principle Diagram



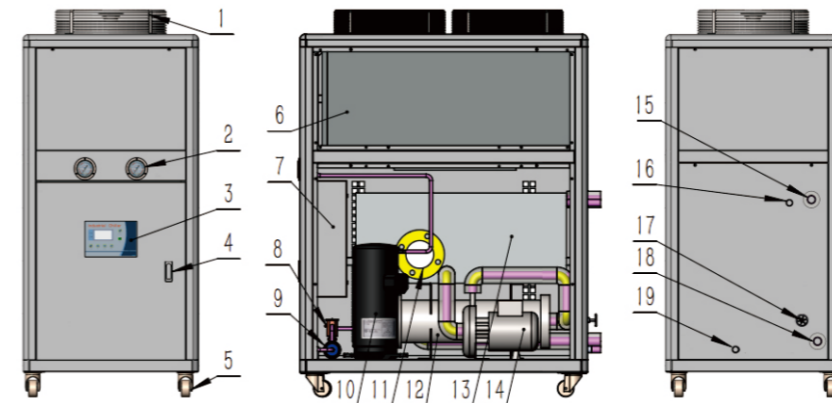
- | | |
|------------------------|-----------------------|
| 1.Compressor | 7.Low Pressure Switch |
| 2.Condenser | 8.Pump |
| 3.High Pressure Switch | 9.Water Tank |
| 4.Drying Filter | 10.Level Sensor |
| 5.Expansin Valve | 11.Ball Valve |
| 6.Evaporator | 12.Fan |
| | 13.Electrical Heater |

Description:

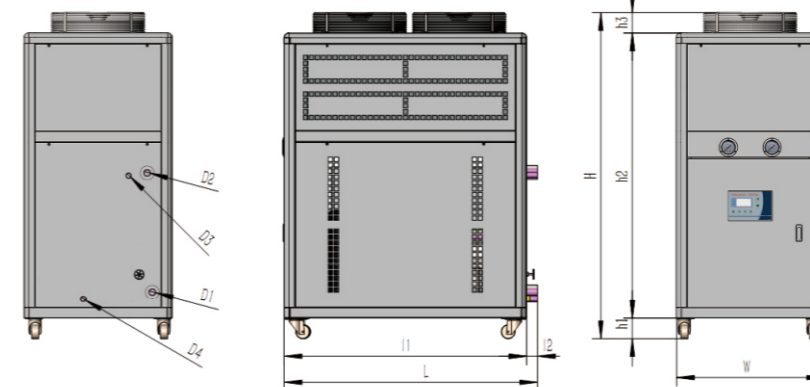
- 1.3 °C -40 °C controlled, cooling and heating function, and meets the different needs of temperature requirements. Adopt compressor associated with the refrigeration circuit is independent each other, time-sharing dislocation starts, to reduce the interference on the grid, stability of the maximum performance of the compressor, to effectively save energy, full-automatic temperature control, to meet the continuous operation in 24 hours a day.
- 2.Adopts compressor cooling and high pressure linkage heating technology, or direct heating wire to heating, real-time control through state-of-the-art control system to meet the requirements to use cold water or hot water, maintain the water temperature in the set state, low vibration, low noise, high efficiency heat exchanger materials, high energy efficiency.
- 3.Long life, evaporator, condenser design is very reasonable position, smooth oil return, ensure the longest life of the compressor, the highest efficiency.
- 4.Compressor and major components with new imported brands, high-profile, cost-effective, all-metal cover frame, excellent design modeling, full-paint anti-rust treatment, perfect cooling performance.
- 5.Applications include: laser, chemical, electroplating, oxidation, precision instruments, ink, printing, paper, metal, molding, blow molding, injection molding plastic industry, food and cleaning frozen, the pharmaceutical industry, electronic circuit boards, wave soldering, reflow soldering, roller sandwich cooling, space purification treatment, ultrasonic cleaning bath heating and cooling, welding and cutting, surface treatment, aluminum, glass, jewelry processing, leather, aquaculture.
- 6.Full-intelligent temperature control system, unit design is not stop to running in 24-hour.

Remarks: The cooling capacity specs data please refer to air cooled water chiller, meanwhile, pls tell us the heating capacity and highest temp you need.

Structures:



Dimension(mm):



NO.	Description
1	Cooling Fan
2	Pressure Gauge
3	Control Panel
4	Lock of Electrical Box
5	Wheel
6	Finned Condenser
7	Electrical Box
8	Expansion Valve
9	Dry Filter
10	Compressor
11	Electrical Heater
12	Shell and Tubes Evaporator
13	Water Tank
14	Water Pump
15	Water Return
16	Water Supply
17	Relief Valves
18	Water Outlet
19	Outfall

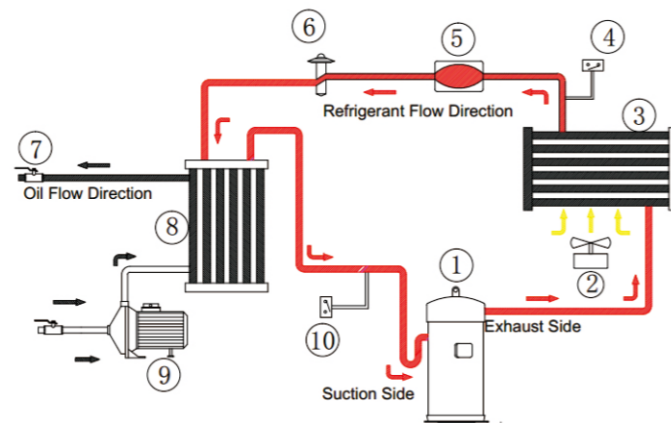
	L	W	H	I1	I2	h1	h2	h3	D1/D2	D3/D4
0.5A	740	540	800	690	50	90	650	60	DN20	DN20
1A	910	540	990	860	50	90	790	110	DN20	DN20
2A	910	540	990	860	50	90	790	110	DN20	DN20
3A	1070	600	1370	1020	50	90	1170	110	DN20	DN20
4A	1070	600	1370	1020	50	90	1170	110	DN20	DN20
5A	1165	680	1540	1115	50	110	1310	120	DN25	DN20
6A	1165	680	1540	1115	50	110	1310	120	DN25	DN20
8A	1370	710	1590	1320	50	110	1360	120	DN32	DN20
10A	1540	780	1690	1490	50	110	1460	120	DN40	DN20
12A	1600	820	1770	1550	50	110	1530	130	DN40	DN20
15A	1780	830	1750	1700	80	110	1510	130	DN50	DN20
20A	2030	910	1925	1950	80	130	1665	130	DN50	DN20
25A	2030	910	2020	1950	80	130	1760	130	DN65	DN20
30A	2180	910	2020	2100	80	130	1760	130	DN65	DN20
40A	2580	1800	2050	2500	80	130	1740	130	DN80	DN20
50A	2580	2000	2100	2500	80	130	1840	130	DN80	DN20



Oil Chiller



Working Principle Diagram

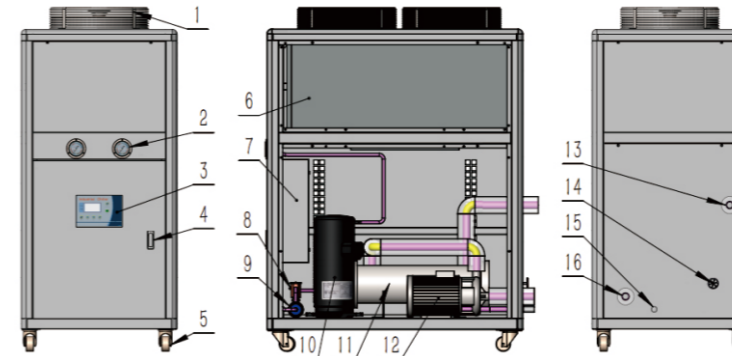


- 1.Compressor
- 2.Cooling Fan
- 3.Condenser
- 4.High Pressure Switch
- 5.Drying Filter
- 6.Expansin Valve
- 7.Ball Valve
- 8.Evaporator
- 9.Oil Pump
- 10.Low Pressure Switch

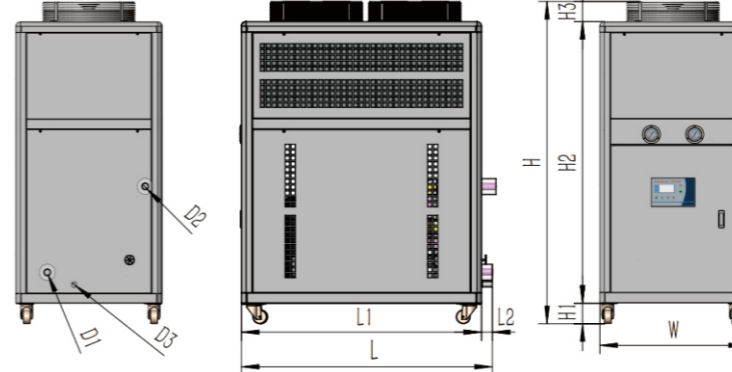
Description:

- The main machine adopts the latest imported compressor with credibility, high-effective, low noise, Specialized for various oil cooling fluid and material design.
- Imported special oil-pump with high pressure, stability, long-lasting and durable.
- Equipped with imported digitally controller as well as widely use, high precision. In order to ensure the normal running of unit. we have a perfect electrical protection system with lack of phase, reversed phase protection, current overload protection, high-low pressure protection, lack of oil protection, lower oil temperature protection.
- Water-cooled condenser consists of a double-tube or shell-tube, internal thread copper tubes, reasonable design, stable heat exchange. The plate fin typed air-cooled applies second-flanging plate-fin mechanical expending pipe profile and advantaged heat exchanger production line. Thanks for the high quality and effective, the loss of cooling capacity is minimized, it is easy for oil drain and the heating pipe is prevented from frost crack.
- Field of application Lathe, High speed lathe, inside and outside diameter grinding machine, EDM machine, hydraulic machine, grinding machine, broaching machine, milling machine, machining center, woodworking engraving machine, cutting machine etc.
- Unit design has a full intelligent control system and non-stop running within 24 hours.

Structures:



Dimension(mm):



NO.	Description
1	Fan
2	Pressure Gauge
3	Control Panel
4	Lock of Electrical Box
5	Wheel
6	Finned Condenser
7	Electrical Box
8	Expansion Valve
9	Dry Filter
10	Compressor
11	Shell and Tubes Evaporator
12	Oil Pump
13	Water Outlet
14	Drain Valve
15	Oil Outfall
16	Oil Return

Technic Parameter Sheet

Parameter	Model	AYD-02AO	AYD-03AO	AYD-04AO	AYD-5AO	AYD-08AO	AYD-10AO	AYD-12AO	AYD-15AO	AYD-20AO	AYD-25AO	AYD-30AO	AYD-40AO	AYD-50AO
Cooling Capacity	KW 50HZ/60HZ	5.10	7.55	9.81	12.56	19.62	25.21	30.41	38.73	50.47	64.55	78.48	102.22	121.94
	Kcal/h 50HZ/60HZ	4385	6494	8437	10791	16873	24089	26153	34168	45725	55515	67493	87907	104868
PowerSupply	Volt	3N-380V/415V-50HZ/60HZ												
Refrigerant	Name	R22												
	Fill kg	1.8	2.7	3.5	4.3	3.5x2	4.3x2	5x2	4.3x3	4.3x4	10x2	8.6x3	8.6x4	10x4
	Control Type	Capillary/Expansion Valve												
Compressor	Type	Scroll												
	Motor kW	1.5	2.25	3	3.75	3x2	3.75x2	4.5x2	3.75x3	5x4	11.3x2	7.5x3	7.5x4	9.4x4
Air Volume	m ³ /h	2200	3200	4300	5300	8500	10600	12600	15800	21000	26000	32000	42000	52800
Cold Oil	Oil Flow m ³ /h	0.97	1.44	1.87	2.4	3.75	4.82	5.81	7.6	10.16	12.34	15	19.53	23.3
	In/out Pipe size	3/4"	3/4"	3/4"	1"	1"	1-1/2"	1-1/2"	2"	2"	2-1/2"	2-1/2"	3"	3"
Oil Pump	Motor kw	0.37	0.37	0.37	0.75	1.5	1.5	1.5	1.5	2.2	2.2	3.75	3.75	3.75
	Raise Mpa	0.2	0.2	0.2	0.2	0.2	0.21	0.21	0.21	0.23	0.23	0.23	0.23	0.23
Dimension	Length mm	910	1070	1070	1165	1370	1540	1600	1780	2030	2030	2180	2580	2580
	Width mm	540	600	600	680	710	780	820	830	910	910	910	1800	2000
	Height mm	990	1370	1370	1540	1590	1690	1770	1750	1925	2020	2020	2000	2100
Weight	kg	120	130	160	170	270	350	370	520	590	790	880	1100	1280

Design condition: At standard atmospheric pressure, evaporating temp. 2°C , oil temp outlet . 7°C , condensing temp. 45°C , superheating temp. 5°C , supercooling temp. 5°C.

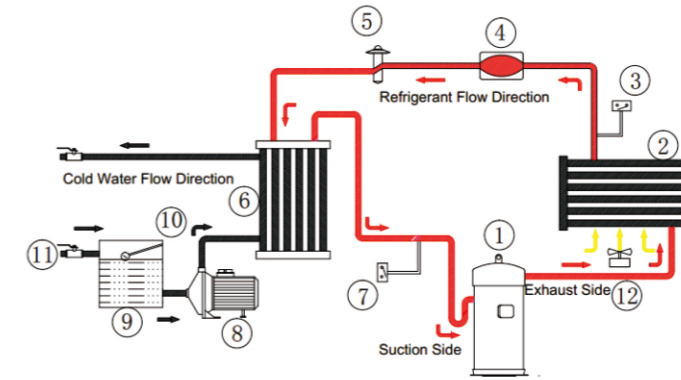
Explosion-proof Water Chiller



Description:

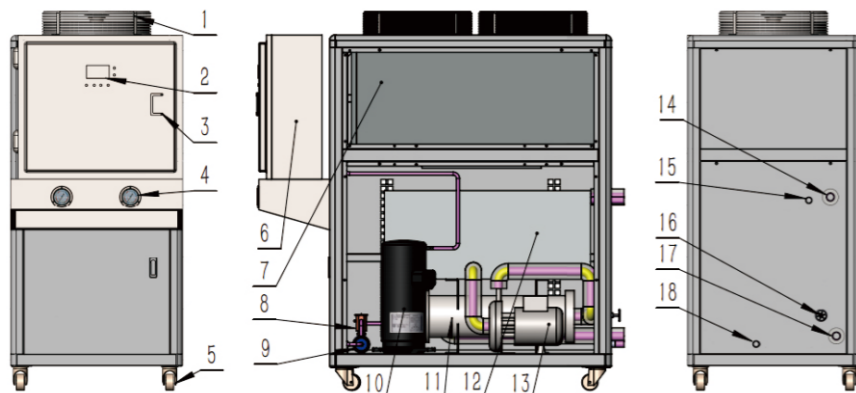
1. Adopt new imported brand explosion-proof compressor, explosion-proof low noise flow pump, special explosion-proof electrical control box, according to special area requirements, Explosion levels over Exib BT4.
2. The unit installation is convenient, easy to clean, mobile and flexible, all-metal face paint box, anti-rust and anti-vibration handle, low noise, high efficiency heat exchanger materials, high energy efficiency rate.
3. User-friendly interface, high-tech, intelligent control, flexibility, arbitrary, security and peace of mind, excellent cooling performance to meet the special conditions.
4. Specialized for chemical and other inflammable and explosive places, provide safe and efficient operations support and design.
5. Full- intelligent temperature control system, the design of unit 24 hours non-stop operation.

Working Principle Diagram



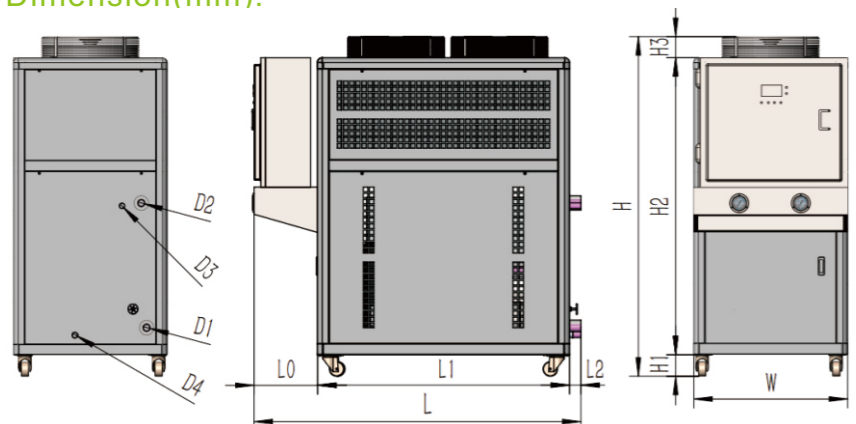
- | | |
|------------------------|-------------------------|
| 1.Compressor | 7.Low Pressure Switch |
| 2.Condenser | 8.Explosion-proof Pump |
| 3.High Pressure Switch | 9.Water Tank |
| 4.Drying Filter | 10.Level Sensor |
| 5.Expansin Valve | 11.Ball Valve |
| 6.Evaporator | 12..Explosion-proof Fan |

Structures:



NO.	Description
1	Explosion-proof Fan
2	Control Panel
3	Lock of Electrical Box
4	Pressure Gauge
5	Wheel
6	Explosion-proof Electrical Box
7	Finned Condenser
8	Expansion Valve
9	Dry Filter
10	Compressor
11	Shell and Tubes Evaporator
12	Water Tank
13	Explosion-proof Water Pump
14	Water Return Pipe
15	Water Supply Pipe
16	Drain Valve
17	Water Outlet
18	Outfall

Dimension(mm):



Technic Parameter Sheet

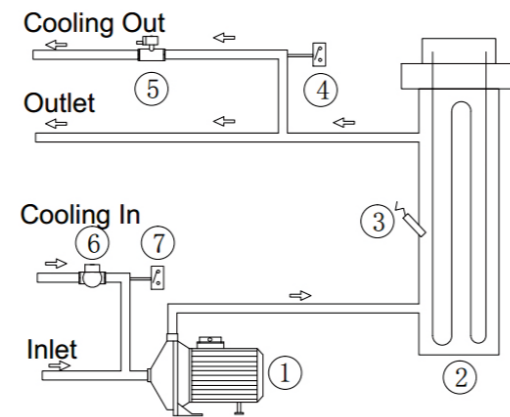
Parameter	型号 Model	AYD-03A-EP	AYD-05A-EP	AYD-06A-EP	AYD-08A-EP	AYD-10A-EP	AYD-12A-EP	AYD-15A-EP	AYD-20A-EP	AYD-25A-EP	AYD-30A-EP	AYD-40A-EP
Cooling Capacity	Kw	8.39	13.95	16.90	21.80	28.01	33.79	44.15	59.08	71.72	87.20	113.58
	50HZ/60HZ	9.82	16.32	19.77	25.51	32.78	39.53	51.65	69.12	83.91	102.02	132.89
	Kcal/h	7216	11990	14530	18748	24089	29059	37965	50805	61683	74992	97675
	5oHZ/60HZ	8442	14028	17000	21935	28184	33999	44419	59442	72169	87741	11428
PowerSupply	Volt	3N-380V/415V-50HZ/60HZ										
Refrigerant	Name	R22										
	Fill kg	2.7	4.3	5	3.5x2	4.3x2	5x2	6.5x2	4.3x4	10.5x2	8x3	8x4
	Control Type	Expasion Valve										
Compressor	Type	Explosion-proof										
	Motor kw	2.25	3.75	4.5	3x2	3.75x2	4.5x2	5.5x2	3.75x4	9.4x2	7.5x3	7.5x4
Air Flow	m ³ /h	3200	5300	6400	8500	10600	12600	15800	21000	26000	32000	42000
Cold Water	Flow m ³ /h	1.44	2.4	2.91	3.75	4.82	5.81	7.6	10.16	12.34	15.1	19.53
	Tank L	30	40	40	60	80	80	100	200	200	250	400
	In/outpipesize	3/4"	1"	1"	1-1/2"	1-1/2"	1-1/2"	2"	2"	2-1/2"	2-1/2"	3"
Pump	Motor kw	0.37	0.75	0.75	1.5	1.5	1.5	1.5	2.2	2.2	3.75	3.75
	Raise kpa	200	200	200	200	205	205	205	220	220	240	240
	Length mm	1070	1165	1165	1370	1540	1600	1780	2030	2030	2580	2580
Dimension	Width mm	600	680	680	710	780	820	830	910	910	910	1800
	Height mm	1670	1840	1840	1890	1990	2070	2150	2225	2320	2320	2400
	Weight kg	160	250	270	350	370	520	590	790	880	1100	1280

Design condition: At standard atmospheric pressure, evaporating temp. 2℃ , water outlet temp. 7℃ , condensing temp. 45℃ , superheating temp. 5℃ , supercooling temp. 5℃.

Mold Temperature Controller

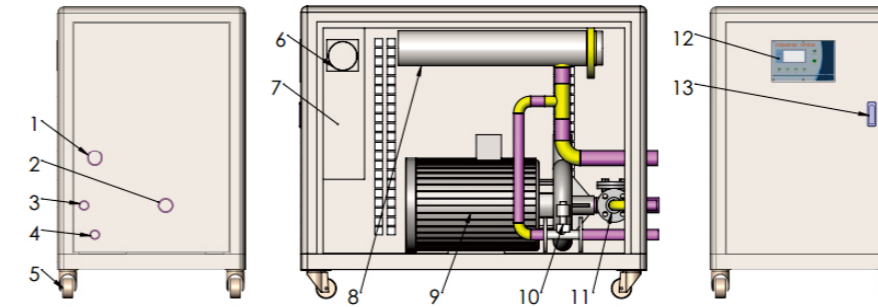


Working Principle Diagram

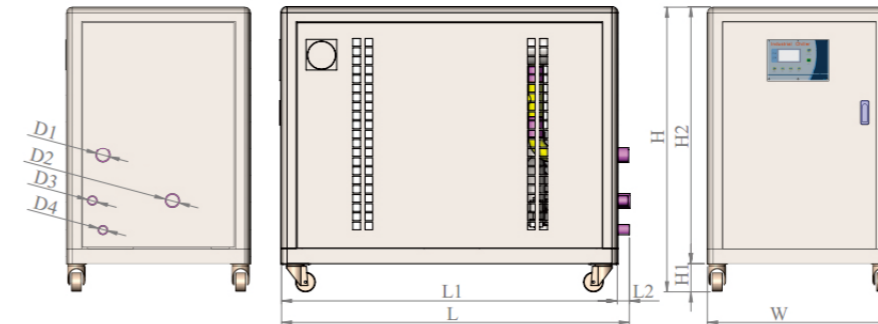


- 1. Water Pump
- 2. Electric Heater
- 3. Thermal Switch
- 4. Outlet Pressure Switch
- 5. Solenoid Valve
- 6. Check valve
- 7. Supplement pressure Switch

Structures:



Dimension(mm):



NO.	Description
1	Hot Water Outlet
2	Hot Water Inlet
3	Chilled Water Inlet
4	Chilled Water Outlet
5	Wheel
6	Cooling Fan For Electrical Box
7	Electrical Box
8	Electrical Heater
9	Water Pump
10	Magnetic Valve for Cooling
11	One-way Valve
12	Control Panel
13	Lock of Electrical Box

a. Water Circulation Mold Temperature Controller

1. Adopt temperature control unit, with automatic calculates and control, water temperature control precision in 1°C, PIC programming control, which enables easy and visual operation.
2. Branded key features, low energy pump, enduring, low in noise, little vibration, temp. control range in 40-180°C.
3. Heating and cooling fast, accurate temperature stability, dual-heating design suitable for different case.
4. Medium circulation pipe with uniform heating, antiseptic treatment and used in long processing.
5. Automatic exhaust function, mold water recovery temperature checklist, safety protection and perfect indication system in faulty.
6. This series of products are widely used in Plastic Molding, Light Guide casting, Rubber tire, Wheel, Chemical Reactors, Adhesive, mixer and other industries, which can improve the molding efficiency of the products, reduced production of defective goods, improve product appearance, control flawed products, speed up the production schedule, reduce energy consumption and save energy.
7. A full intelligent control system and non-stop running within 24 hours.

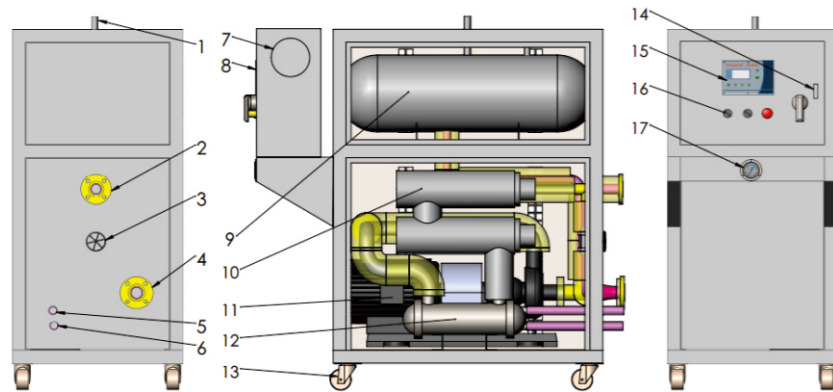
Technic Parameter Sheet

Item	Model	Unit	Standard Type				High Temperature Type				
			AYD-6KW	AYD-9KW	AYD-12KW	AYD-24KW	AYD-9KWH	AYD-18KWH	AYD-24KWH	AYD-36KWH	AYD-48KWH
Power Supply		Volt	3P-380V-50HZ								
Heating Medium			Water								
Temperature range		°C	40-100°C				40-120°C/40-180°C				
Heating Capacity		KW	6	9	12	24	9	18	24	36	48
Pump	Power	KW	0.37	0.75	0.75	1.5	0.75	1.5	2.25	3	3.75
	Pressure	Mpa	0.2-0.3				0.6-0.8				
	Flow	m³/h	1.5-3.3	2.1-4.3	2.1-4.3	3.5-5.5	1.5-3.3	2.1-4.3	5.5-7.8	7.5-10.2	11-18.8
Cooling Way			Indirect Cooling								
Pipe	in/outlet	Inch	1"	1"	1.5"	1.5"	1.5"	1.5"	1.5"	1.5"	1.5"
	Cold Water	Inch	3/4"	3/4"	1"	1"	1"	1"	1"	1"	1"
Dimension		mm	880	880	900	1200	880	1100	1200	1500	1600
		mm	550	580	600	650	580	650	650	800	800
		mm	1100	1100	1200	1300	1100	1300	1300	1500	1600
Weight		KG	46	52	64	80	56	76	83	95	120

b. Oil Circulation Mold Temperature Controller

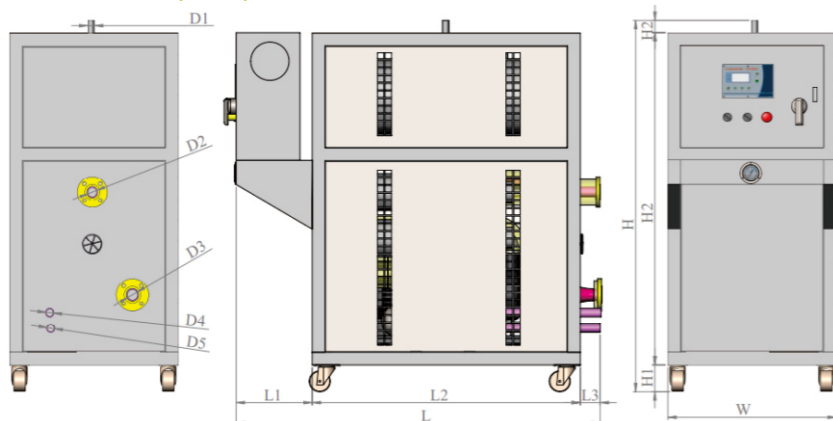
1. Adopt high temperature oil pump, temperature range up to 360 ° C, the special design of the large flow to meet the special molding needs.
2. Imported temperature control devices, precise control ± 1 , simple operation, at a glance, real-time monitoring to ensure machine stability
3. Imported high-performance heating wire, to ensure that the temperature is smooth, safe and durable
4. Simple and stable structure of the machine, easy to use, easy maintenance
5. A variety of automatic protection, and ensure the safety of the machine, optional high-performance temperature tubing.
6. This series of products are widely used in plastic molding, light guide plate die casting, rubber tires, wheel, chemical reactor, adhesive, mixing and other industries, improve the molding efficiency and reduce the production of defective products to improve the appearance of the product, inhibition of product defects, to speed up the production schedule, reduce energy consumption, save energy.
7. Full-intelligent temperature control system, unit design not to stop running in 24 hours.

Structures:

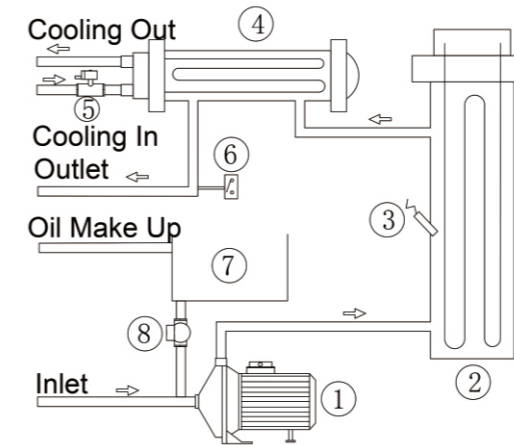


NO.	Description
1	Oil Supply
2	Oil Outlet
3	Pressure regulating valve
4	Oil Return
5	Chilled Water Outlet
6	Chilled Water Inlet
7	Cooling Fan for Electrical Box
8	Electrical Box
9	Oil Tank
10	Electrical Heater
11	Oil Pump
12	Oil Cooler
13	Wheel
14	Lock of Electrical Box
15	Control Panel
16	Switch
17	Pressure Gauge

Dimension(mm):



Working Principle Diagram



1. Oil Pump
2. Electric Heater
3. Thermal Switch
4. Oil Cooler
5. Solenoid Valve
6. Oil Outlet pressure Switch
7. Oil Tank
8. Check valve

SHEN ZHEN ANYDA
REFRIGERATION

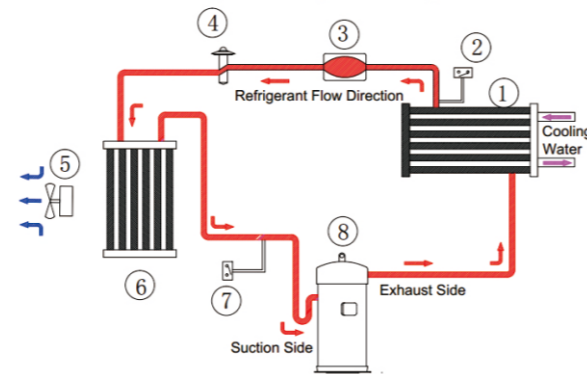
Technic Parameter Sheet

Item	Model	Unit	Standard Type				High Temperature Type				
			AYD-6KO	AYD-9KO	AYD-12KO	AYD-24KO	AYD-9KOH	AYD-18KOH	AYD-24KOH	AYD-36KOH	AYD-48KOH
Power Supply		Volt	3N-380V-50HZ								
Heating Medium			Oil								
Temperature range		°C	40-180°C				40-250°C/40-350°C				
Heating Capacity		KW	6	9	12	24	9	18	24	36	48
	Power	KW	0.37	0.75	0.75	1.5	0.75	1.5	2.25	3	3.75
	Pressure	Mpa	0.2-0.3								
Pump	Flow	m³/h	1.5-3.3	2.1-4.3	2.1-4.3	3.5-5.5	1.5-3.3	2.1-4.3	5.5-7.8	7.5-10.2	11-18.8
	Cooling Way		Indirect Cooling								
Pipe	in/outlet	Inch	1"	1"	1.5"	1.5"	1.5"	1.5"	1.5"	2"	2"
	Cold Water	Inch	3/4"	3/4"	1"	1"	1"	1"	1"	1"	1"
Tank Volume		L	10	10	10	12	10	10	12	16	16
Dimension		mm	880	880	900	1200	880	1100	1200	1500	1600
		mm	550	580	600	650	580	650	650	800	800
		mm	1100	1100	1200	1300	1100	1300	1300	1500	1600
Weight		KG	46	52	64	80	56	76	83	95	120

Water Cooled Cabinet Type Air Conditioner



Working Principle Diagram

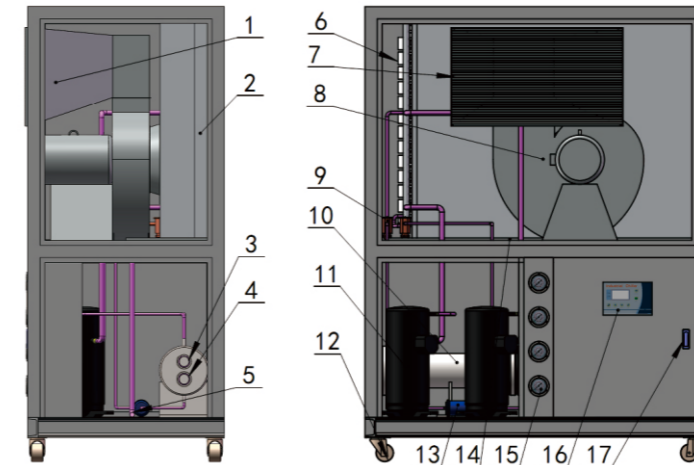


- | | |
|-------------------------|------------------------|
| 1. Condenser | 5. Chilled Fan |
| 2. High Pressure Switch | 6. Evaporator |
| 3. Drying Filter | 7. Low Pressure Switch |
| 4. Expansion Valve | 8. Compressor |

Water-cooled air conditioner is a new type central air conditioning units, it is a essence of domestic and foreign products, the use of modern and science manufacturing, high quality control, beautiful appearance, the current products have two major categories (blowing straight-style and wind tube type), cooling capacity is from 25000W to 199400W, it can be widely used in electronics, food, theater, restaurants, other industrial and comfort spaces. Water-cooled chiller based on cooling water as cold source, Central air conditioning unit is taken from refrigerant and cooling capacity in the structure on the compressor, evaporator, condenser, throttling components set as direct output air-cooling for outside. Water-cooled chiller with water as refrigerant of condenser, shell and tube heat exchanger effectively improve the efficiency of water and refrigerant heat exchanger, a substantial increase in energy efficiency, the outstanding characteristic of cooling effect. Water-cooled chiller usually applied in the summer, the space requirements for air volume places; Water-cooled chiller according to customer needs to choose the way of separate control or more centralized control. Water-cooled chiller with a wide range of application, suitable for shopping malls, hotels, factories, villas, commercial housing, offices, shops, hospitals and other places. Specifications: 8HP - 70HP.

1. Adopt multi-layer coaxial heat exchanger, high energy efficiency. Stable and durable enough cooling capacity, low noise, less power consumption.
2. Flexible installation, water-cooled chiller with microcomputer control, it can remote control, and also manual operation. The grade of the central air-conditioning, but water-cooled chiller is more convenient and save money.
3. Evaporator with water can be directly friction cleaning, and it doesn't need medicine to prevent copper pipe corrosion.
4. Using two layers of filtration, cleaner air and feel more fun
5. Full-digital electronic control, easy to operate, reliable, and a remote control interface can be configured, so management personnel can open and stop under remote control.
6. Standard and built-in circulating pump, cooling tower to control contact with interlock.
7. Most models adopt a multi-refrigeration circuit system can be up to six energy regulation, more energy-efficient at partial load.

Structures:



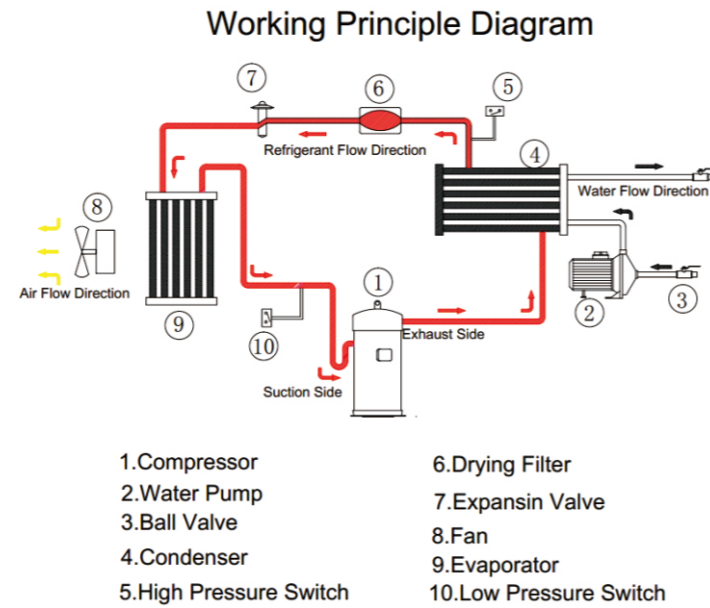
NO.	Description
1	Air Outlet
2	Finned Evaporator
3	Chilled Water Outlet
4	Chilled Water Inlet
5	Condensing Water Outfall
6	Air Returned
7	Air Outlet Louver
8	Blower
9	Expansion Valve
10	Shell and Tubes Condenser
11	Compressor
12	Wheel
13	Dryer Filter
14	Wet Pan
15	Pressure Gauge
16	Control Panel
17	Lock of Electrical Box

Technic Parameter Sheet

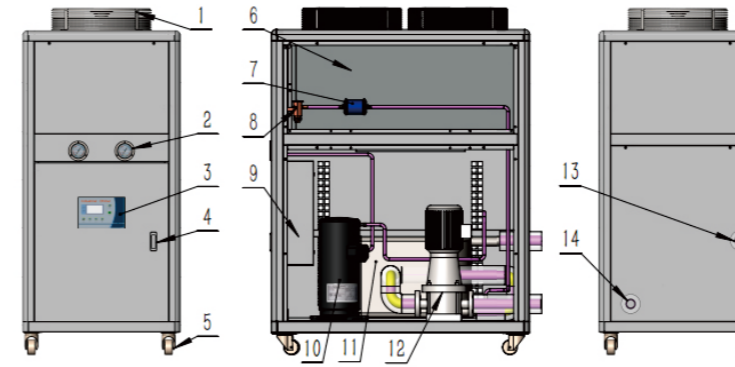
Model		AYD-10 WA	AYD-15 WA	AYD-20 WA	AYD-25 WA	AYD-30 WA	AYD-40 WA	AYD-50 WA	AYD-60 WA
Cooling Capacity	KW	33	50	66	81	101	135	162	198
Power Supply		3N-380V/415V-50HZ/60HZ							
Power	KW	9	13.45	18	22.75	28	37.5	48.5	56
Compressor Type		scroll							
Compressor Quantity		2	2	2	2	3	4	4	5
Refrigerant		R22							
Control type		capillary/expansion valve							
Evaporator		Copper coils tubes with Aluminum fins							
Condenser		Shell and tubes							
Flow	m³/h	6.9	10.5	14.5	16.8	21	28	34.7	42
Pressure	kpa	34	32	33	30	30	35	30	30
Fan Power	KW	1.5	2.2	3	4	5.5	7.5	7.5	11
Fan		centrifugal							
Driven Way		directly/belt							
Air Volume	CMH	5400	7800	10000	12500	15000	21500	25000	32000
External Pressure	Pa	250	300	300	350	350	400	450	450
Motor Power	KW	1.5	2.2	3	4	5.5	7.5	11	11
Noise	Db(A)	≤67	≤69	≤71	≤72	≤74	≤76	≤78	≤81
L	mm	1360	1650	1850	1920	2130	2140	2240	2660
W	mm	560	660	750	1085	1200	1380	1380	1385
H	mm	1700	1815	1815	1815	1870	1870	1900	1960
Unit Weight	kg	290	500	580	870	980	1600	1700	1800
Water Pipe	inch	1.5"	2"	2"	2.5"	2.5"	2.5"	3"	3"
Condensing pipe	inch	1"	1"	1"	1.5"	1.5"	1.5"	1.5"	1.5"



Air Source Heat Pump

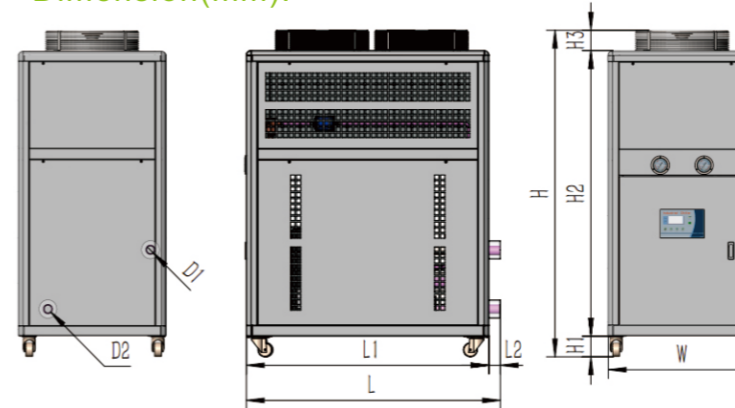


Structures:



NO.	Description
1	Cooling Fan
2	Pressure Gauge
3	Control Panel
4	Lock of Electrical Box
5	Wheel
6	Finned Evaporator
7	Dry Filter
8	Expansion Valve
9	Electrical Box
10	Compressor
11	Heat Exchanger
12	Water Pump
13	Water Outlet
14	Water Inlet

Dimension(mm):



Technic Parameter Sheet

Model	Unit	AYD-9RA	AYD-16RA	AYD-22RA	AYD-32RA	AYD-38RA	AYD-54RA	AYD-64RA	AYD-88RA	AYD-130RA
Heating Capacity	Kw	9.7	16.4	22	32	38	54	64.8	88	130
Input Power	Kw	2.8	4.5	5.6	8.5	9.3	11.6	18	23.3	36
Hot Water Volume	L/H	208	400	470	630	750	1100	1540	1980	3100
Hot Water Outlet Temp	℃	55 (set at texting) 30-60 controlled								
Power Supply	V/Hz	380V/3PH/50HZ								
Refrigerant	Name	R22/R407c/R134a								
	Charge(Kg)	1.8	3.3	4.8	7.5	9.6	11.2	15.6	18	24.3
Compressor	Type	Scroll								
	Quantity (set)	1	1	1	2	2	2	2	3	4
Motor fan	Power(Kw)	0.25	0.25	0.32	0.5	0.5	0.5	1	1.45	1.98
	Type	Low noise axial flow fan								
Water System	Flow (m³/h)	1.65	3.1	3.6	5.4	6.9	8.2	11.2	15.8	21
	ressure (Mpa)	0.16	0.16	0.18	0.18	0.2	0.2	0.2	0.2	0.2
	ipe Size (mm)	DN25	DN25	DN25	DN40	DN40	DN40	DN50	DN65	DN65
Flow control		Expansion valve								
Defrost way		four way valve turned,using expansion valve defrost								
Working temperature	℃	-5~40 (the lowest we could do at -25℃)								
Unit weight	Kg	110	210	320	350	440	530	630	980	1120
	L	720	820	820	1440	1440	1440	2000	2000	2000
	W	720	720	720	700	700	700	980	980	1800
Dimension	H	770	1020	1020	1020	1020	1385	1960	1960	1750

- 1.Safety: Using the air to boil water, separating water and electricity completely. There is no danger happen because of the multiple protection .
- 2.Energy saving: Using small amount of electrical energy move the thermal energy into the water and then boil the water. Energy consumption is 1/5 of electric water heater, 1/6 of gas water heater, 1/4 of oil heater, 2/3 of ordinary solar and it can reach to more energy-saving effect by off-peak electricity.
1. Environmental protection: It was recognized "green energy-saving products" by the National Energy Conservation Association, it has no environmental pollution, low noise operation. Adopting humanized design of ours and the most advanced control system in Taiwan, it has no memory function and recover automatically after power failure, full-automatic temperature control.
2. Automatic cleaning: Air heat pump is out of the ordinary, it can clean automatically, ensure the air heat pump tank cleaning, keep thermal efficiency and extend the service life.
3. Free from the influence of temperature: It is a kind of hot water supply system of all-weather. No matter what weather, which season, day and night, as long as there the air exist, it can produce hot water, furthermore, the hot water can turn heat energy of low temperature - 10℃ ~ 30℃ to temperature of 60 through the Air heat pump unit.
4. Longer life: Air heat pump used advanced the scroll or screw compressor in the world and double grooved hydrophilic aluminum radiator that can prevent corrosion of acid rain on the mainframe effectively .
5. Multiple functions: "air source heat pump " has multiple functions of hot water, air conditioning, heating, so it is energy-saving hot water refrigeration equipment with high energy saving and EER can reach as high as 8.0, It make full use of energy.



Cooling Tower



1. AYD-series cooling tower adopts high-quality PVC film and its honeycombed fan-pattern quietly increases the cold-and-hot alternative capability, stands the high temperature to 56°C, guarantee that the water tower can reach the best standard. Besides, the tower have in store green film and heat-resisting film(100 centigrade) to be chosen from.
2. The fan is axial-flow one and it's made of high-quality plastic or aluminum alloy. Each fan had been positioned and balance-tested strictly by professional before it came out of the factory.
3. All the metal main accessories are made of thickened steel by the original factory, have been handled hot-dip galvanizing by ISO and provide with stainless-steel accessories.
4. The casing of the water towers is wholly acid-proof and alkali-resistant advanced glass fiber. All the carrying pipes and sprinklers are made of advanced plastic, need not lubricant and durable.

Design Parameter

1. Standard Working Condition: atmospheric pressure P=99400Pa, water inlet temperature t1=37°C, water outlet temperature t2=32°C design wet-bulb temperature τ=28°C, and the real-time temperature difference Δt=5°C.
2. Medium temperature Working Condition: water inlet temperature t1=43°C, water outlet temperature t2=33°C, design wet-bulb temperature τ=28°C, the real-time temperature difference Δt=10°C.
3. High temperature Working Condition: water inlet temperature t1=60°C, water outlet temperature t2=35°C, design wet-bulb temperature τ=28°C, the real-time temperature difference Δt=25°C.

Instructions

A. environment choosing

1. To avoid being installed in water-proof gallery or high wall easy to reflect sound and to install it on the roof or open-to-air place.
2. When two or more cooling towers are put to use, pay attention to the interval of the tower bodies.
3. To avoid being installed in place surrounded by walls on all sides or airtight and pay attention to the interval of the tower bodies and the external walls.
4. To avoid being installed where there is soot or much dust so as to prevent the blocking of the film.
5. Keep it away from the warmer places such as the kitchens and boiler rooms.

B. Installment Key Point

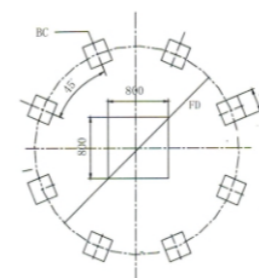
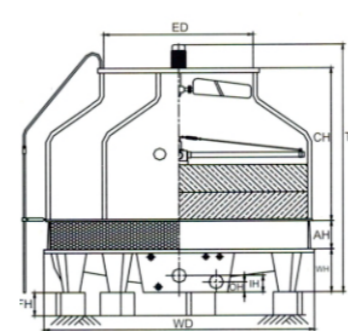
1. The foundation should be placed level and the centre line of the cooling tower should be vertical. Otherwise, it will influence the water distribution and the working of the dynamos.
2. For the towers heavier than 175 tons, of which the in-and-out water pipes should be set with supports.
3. When two or more towers share the water pump, a balance water pipe should be added between the basins.
4. The connection of cycling out-and-in water ought to be suspension one.
5. The fan wings of the cooling water should accord with tower wall gaps. In no case will it be allowed that the interval is big. When noticing the condition, people should solve it in time.
6. Motors and reducers need checking at regular intervals. The oil level of reducers should be checked often.

C. Starting Check-up

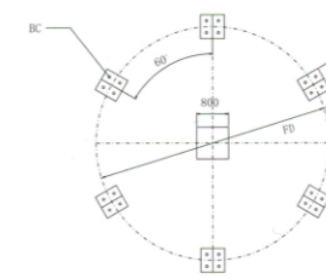
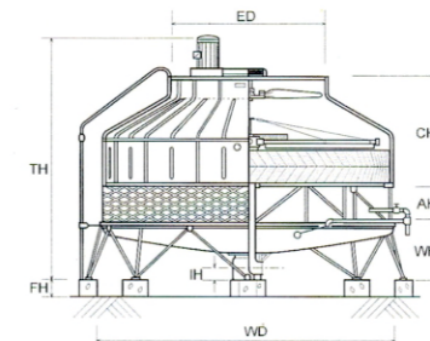
1. Whether all the screws are frapped and there is sundries inside the tower.
2. Whether the turning of fans and dripping system is smooth.
3. Whether the power voltage is consistent with the motor voltage.
4. Whether the installment of belt combination is right.
5. Open the water inlet valve and fill the basins and water pipes. The water level should be 25mm below the full water.
6. When starting up, open the pump first and then the fan, check the wind direction and air quantity, adjust it immediately until the command is met.
7. When ceasing, cease the fan and then the pump.

D. Running Check-up

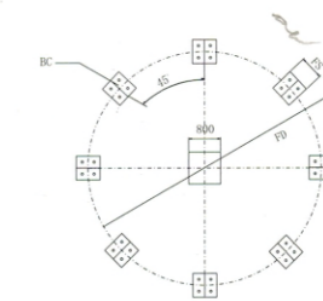
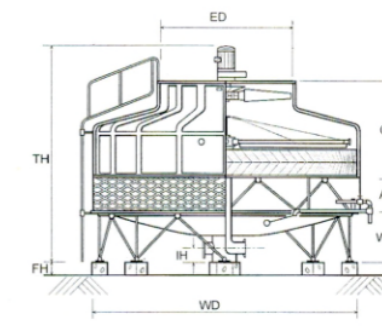
1. Keep it clean inside the water tower and conduct the water-conditioning regularly.
2. After running for about 60 hours, it needs checking belt tension to ensure the normal condition.
3. The oil level of the gear reducer should be checked and the lubricant oil needs changing after 150 hours.
4. When the cooling tower is running, people should be in charge of it. Pay constant attention to the change of the electricity and water temperature and conduct regular check-ups for the dynamos, reducers, water distributors and the like.



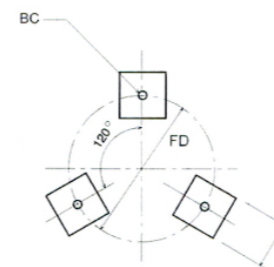
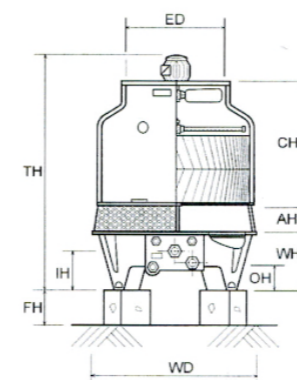
CT 175-200



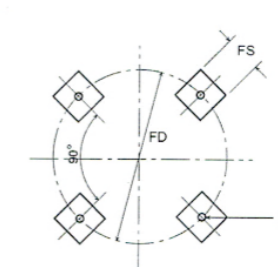
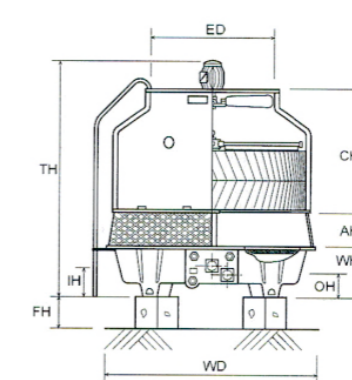
CT 225-350



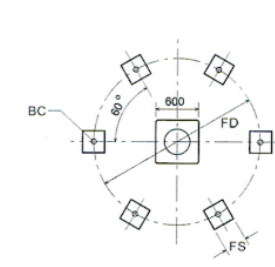
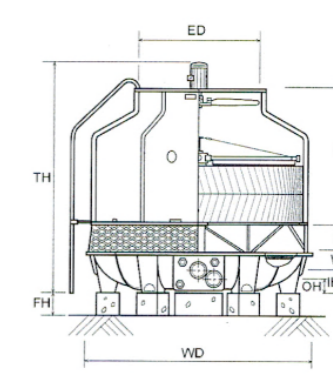
CT 400-1000



CT 8-20



CT 25-80



CT 100-150

Technic Parameter Sheet

MODEL	AYD	20T	30T	40T	50T	60T	80T	100T	125T	150T	200T	250T	300T	350T	400T	
Data	Water flow	m3/h	15.62	23.4	31.21	39.24	46.8	62.64	78.12	97.56	117	156.2	195.1	234	273.2	312.1
	Air Volume	m3/h	9600	13800	16800	19800	25200	27000	42000	49800	57000	75000	1E+05	1E+05	1E+05	2E+05
	Motor	KW	0.56	0.75	1.5	1.5	1.5	1.5	2.25	2.25	2.25	4	5.5	7.5	7.5	11
	Sound Volume(16M)	dbA	50	51	56.5	57.5	57	59	60	60	60	62	62	62	65	65
	Net Weight	kg	67	116	130	190	240	260	500	540	580	880	1080	1760	1800	2840
	Running weight	kg	300	530	550	975	1250	1280	1600	1640	1680	1980	2800	3930	3970	5740
Piping	Water Inlet	W1	50	80	80	80	100	100	125	125	150	150	200	200	200	200
	Water outlet	W0	50	80	80	80	100	100	125	125	150	150	200	200	200	200
	Overflow	OF	25	25	25	25	25	25	25	25	25	40	50	50	50	80
	Drain	DR	25	25	25	25	25	25	25	25	25	40	50	50	50	80
	Flow Valve	FV	15	15	15	15	20	20	25	25	25	25	25	25	25	32
Height	Tower	TH	1925	2080	2150	2180	2405	2505	2785	2785	3045	3205	4410	4540	4540	4555
	Casing	CH	1180	1275	1325	1335	1350	1450	1620	1620	1880	1970	2300	2400	2400	2255
	Air Inlet	AH	175	225	225	225	325	325	325	325	325	365	560	560	560	690
	Water Basin	WH	400	400	400	420	460	460	520	520	520	520	900	900	900	900
	Water Inlet	IH	205	260	260	235	260	260	325	325	325	315	280	280	280	280
	Water outlet	OH	135	180	180	150	165	165	180	180	180	160	280	280	280	280
	Foundation	FH	250	300	300	300	300	300	300	300	300	300	300	300	300	400
Dia	Exhaust Fan	ED	770	770	930	930	1180	1180	1470	1470	1470	1780	2135	2440	2440	2745
	Water Basin	WD	1180	1665	1665	1895	2110	2110	2920	2920	2920	3320	4200	4730	4730	5600
	Foundation	FD	780	1200	1200	1370	1670	1670	2360	2360	2360	2720	4330	4990	4990	5860
	Anchor Bolt	BD														
Size	Foundation	FS	250	300	300	300	300	300	300	300	300	300	300	300	300	400
	Bolt Center	BC	M10	M10	M12	M12	M12	M12	M12	M12	M12	M14	M14	M14	M14	M16
Material	Drive type		Direct													
	Fan		Ep01 Polycarbonate													
	Motor		T.E.F.C.380V/50Hz													
	Motor stand		Galvanized Steel													
	Casing		Fibreglass Reinforced Polyester													
	Water Basin		Fibreglass Reinforced Polyester													
	Filet system		Polycarbonate & P.V.C.pipe													
	Eliminator		Fibreglass Reinforced Polyester													
	Air inlet stand		Polycarbonate & P.V.C.Mash													
	Tower stand		Fibreglass Reinforced Polyester													
	Ladder		Galvanized Steel													
	Pipng		P.V.C.pipe													
	Film stand		Poly. & G.I.Steel													
In-Fill		P.V.C.Film														

FAQ:

- How does a chiller system work?
Chiller has two circulation, one is process water circulation, the other is refrigerant gas circulation. Heat picked up from the process. Heat transfers to refrigerant circulation. Heat is remove to air or water.
- How to calculate cooling capacity for chillers
Cooling Capacity(kw)= Flow Rate(m3/h)*Temp Change(T1-t2)/0.86
Heat Load= C(specific heat)* M(quantity output per hour)*Temp Change(T1-T2)
- Types of chiller system?
Air Cooled Chiller and Water Cooled Chiller. Water cooled chiller needs a separated cooling tower and has a higher efficiency, but less easier than air cooled.
- What type of the chiller should I use ?
It depend on the local environment temperature and water source. If lack of water and low ambient temp , we advise you use the air cooled chiller, if not , air cooled chiller is ok. But for installation, air cooled is more convenient than water cooled.
- How to select the model of the chiller ?
It is better to tell us some parameter, such as : Cooling Capacity, Outlet Temperature, Power Supply, Environment Temperature, Application Field, Anti-rust Or Anti-corrosion, and so on. Meanwhile, we could do customized chiller according to your end user consumption.
- Cooling capacity unit conversion?
1 kcal / h = 1.163W, 1 W = 0.8598 kcal / h ;
1 Btu / h = 0.2931W, 1 W = 3.412 Btu / h ;
1 USRT = 3.517 kW, 1 kW = 0.28434 USRT ;
1 Kcal / h = 3.968 Btu / h, 1 Btu / h = 0.252 kcal / h ;
1 USRT = 3024 kcal / h, 10000 kcal / h = 3.3069 USRT ;
- The chiller can heat?
Yes, by the electrical heating wire. Please kindly inform us the hot water temp or heating capacity.
- What is production period ?
Generally speaking, it is 15-30 days, some standard model there are some stocks, but it all depend on the model , quantity.
- What is your company after-sales service ?
Our warranty period is one year. If there is any problem in this year, we will send you the new parts (not including freight)for replacement. Meanwhile, welcome to consult the technical matters.
- Chiller maintenance?
Step 1: Keep Tubes Clean
Step 2: Ensure a Leak-free Unit
Step 3: Sustain Proper Water Treatment(prevent scale, corrosion)
Step 4: Analyze Oil and Refrigerant

Guarantee:

One Year. During this time, if some parts broken, we could send a new one to you for replacement inside china (not including the international express fee) and technical support forever.

Some Customers Mentioned:

- Export to : Outer Mongolia
Description: 5units of 36HP air cooled chiller, 3units of 50HP air cooled chiller, 0-2C glycol outlet temp required, for milk cooling.
- Export to : Palestine
Description: 2sets of water cooled glycol chiller, with circulating pump and cooling tower. For sprite cooling, from 25C to 2C.
- Export to : Uzbekistan
Description: Air cooled glycol chiller, -20C outlet, 24hrs running.
- Export to : Thailand
Description: Air Cooled Brine Chiller, -34C brine outlet, for ice cream.
- Export to : Saudi Arabia
Description: 4nits of air cooled glycol chiller, 2-4C outlet, for a sweet manufactures.

some customized product :

Air Cooled Explosion-proof Chiller, simple specs:
 1.cooling capacity:13.95kw
 2.outlet temp control range:7-30C
 3.compressor power:3.75kw
 4.evaporator: stainless steel heat exchanger



Water Cooled Low Temperature Reciprocating Chiller
 1.Cooling Capacity:14kw
 2.Outlet Temp: -45 ±1 degrees
 3.Compressor Input Power:12.55kw, Bitzer reciprocating compressor



Split Type Air Cooled Propylene Glycol Chiller, For rapid milk cooling
 1.Cooling capacity:40kw
 2.Input power: 15kw
 3.Outlet temp: 0-2 degrees
 4.Tank volume: 1000L



Low Temp Freezing Dehumidifier
 1.Cooling Capacity: 63kw
 2.Compressor Power:3.75+4.5+7.5kw
 3.Dryer dehumidifying Air Volume: 13m3/min
 4.Chilling Air Volume:10m3/min
 5.Cold Water Flow: 14m3/min
 6.Temp Control Range: -25 ~ -35 degrees
 7.Refrigerant:R404A
 8.1st finned evaporator area: 2.5m²
 9.2st finned evaporator area: 2m²
 10.3st 304# plate heat exchanger+finned evaporator area:1.5+3m²
 11.Energy Control: 33%-66%-100%



Air Cooled Explosion-proof Heat pump, for bathing in shipments, all materials adopted 316L
 1.Heating Capacity: 12kw
 2.Input Power: 2.2kw
 3.Hot Water Volume: 240L/Hr
 4.Hot Water Temp: 45C
 5.Tank: 500L+1000L

