

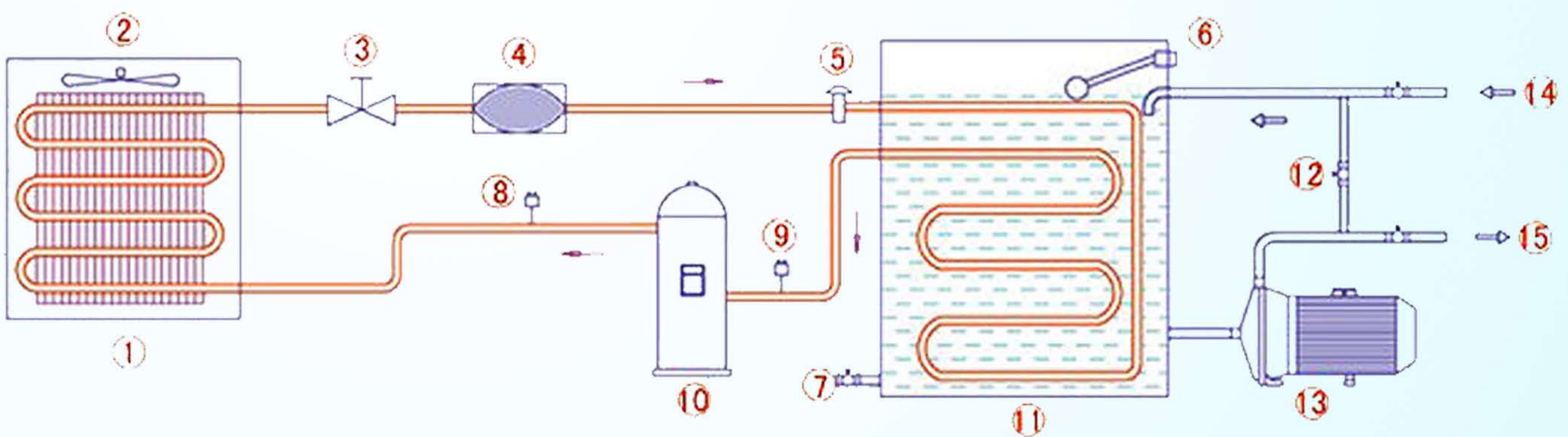


Air Cooled Chiller

- Constant water temperature control
- LCD digital touch screen display



Diagram of air cooled chiller :



1) Condenser	6) Automatic water makeup nozzle	11) Evaporator
2) Cooling fan	7) Drain Valve	12) Bypass valve(regulating)
3) Angle valve	8) High pressure switch	13) Pump
4) Drying filter	9) Low pressure switch	14) Cooling water return
5) Expansion valve	10) Compressor	15) Cooling water outlet

Specifications of Air cooled industrial chillers :

WE Series Air cooled industrial chiller																		
Mode Item		WE-0.6	WE-1	WE-2	WE-3	WE-4	WE-5	WE-6	WE-8(D)	WE-10(D)	WE-12	WE-15	WE-20(D)	WE-25(D)	WE-40(F)	WE-50(F)	WE-60(F)	
Nominal cooling capacity	TON	0.43	0.81	1.47	2.25	2.91	3.71	4.34	5.83	7.42	8.46	11.89	15.72	16.92	31.45	33.89	44.98	
	50HZ/60HZ	0.51	0.97	1.76	2.70	3.50	4.45	5.20	6.99	8.90	10.15	14.26	18.87	20.30	37.73	40.67	53.98	
	Kcal/h	1290	2451	4446	6803	8815	11223	13115	17630	22446	25585	35948	47558	51170	95116	102512	136086	
Total input power	50HZ/60HZ	1548	2941	5332	8163	10578	13468	15738	21156	26935	30702	43138	57070	61404	114139	123015	163296	
	KW	1.5	2.85	5.17	7.91	10.25	13.05	15.25	20.5	26.1	29.75	41.8	55.3	59.5	110.6	119.2	158.2	
Total input power	50HZ/60HZ	1.8	3.42	6.2	9.5	12.3	15.66	18.3	24.6	31.3	35.7	50.16	66.36	71.4	132.7	143.04	189.84	
	KW	0.98	1.46	2.25	3.27	4.57	5.54	6.33	8.29	10.47	11.82	16.42	20.41	23.45	41.1	47.9	66.54	
Power supply voltage		1PH~220V 50HZ/60HZ (110V 50HZ/60HZ)			3PH 380V 50HZ(200V/220V/415V 50HZ/60HZ)													
Refrigerant	Type	R22(R134a/R407C)																
	Control mode	Capillary							Expansion valve									
Compressor	Type	Hermetic rotating type				Hermetic scroll type (Piston)												
	Power(KW)	0.45	0.95	1.73	2.7	3.52	4.41	5.2	3.52x2	4.41x2	9.82	13.72	8.3x2	9.82x2	8.3x4	9.82x4	13.72x4	
Condenser	Type	High efficient finned copper tube + low noise outer rotor fan																
	Cooling Air volume(m ³ /h)	750	1000	2000	3000	4000	5000	6000	8000	10000	12000	15000	20000	25000	30000	40000	50000	
Evaporator	Type	Water tank with coil (Shell and tube)																
	Chilled fluid flow(m ³ /h)	0.258	0.49	0.89	1.36	1.76	2.24	2.63	3.52	4.47	5.12	7.2	9.52	10.25	19.05	20.5	27.2	
		0.31	0.589	1.068	1.63	2.11	2.68	3.15	4.22	5.37	6.15	8.63	11.42	12.29	22.86	24.6	32.64	
	Tank volume(L)	16	20	25	50	60	70	70	120	200	200	270	350	350	580	620	750	
Water pump	Inlet/outlet pipe caliber	1/2"	1/2"	1/2"	1"	1"	1"	1"	1"-1/2"	1"-1/2"	2"	2"	2"	2"-1/2"	3"	3"	3"	
	Power(kw)	0.37	0.37	0.37	0.37	0.75	0.75	0.75	0.75	0.75	1.5	1.5	2.25	2.25	5.5	5.5	7.5	
Water pump	Pump head(m)	20	20	20	20	20	20	20	22	20	20	20	20	20	30	30	30	
	Safety protection	over current, high and low pressure, over temperature, flow switch, phase sequence, phase-missing, exhaust overheating. anti-freezing.																
Dimension	L (mm)	580	580	650	930	1000	1140	1140	1300	1530	1530	1850	2000	2000	2100	2350	2900	
	W (mm)	440	440	500	520	560	560	560	720	780	780	990	1130	1130	1660	1760	2000	
	H (mm)	750	750	850	975	1070	1040	1040	1310	1430	1430	1680	1720	1924	1950	1950	1900	
Weight	Kg	50	75	100	135	150	175	180	310	450	530	750	835	920	1250	1450	1650	

Note :

- nominal cooling capacity calculated according to:
Inlet/outlet chilled fluid temperature : 12°C/7°C. Inlet/outlet cooling air temperature : 30°C/35°C
- Working condition :
The temperature range of chilled fluid is from 5°C to 35°C. Temperature difference between inlet and outlet chilled fluid is from 3°C to 8°C. It is better to run the chiller while the ambient temperature at or below 35°C.

We reserve the right to modify the above information without further notice.