

Liquid Chiller

Liquid Chillers are manufactured in 5 to 320 tons of refrigeration. Chillers are generally in two major type :

- 1- Water Cooled
- 2- Air Cooled

Chillers are fabricated from compressors , condensers , evaporaters , expansion valves and other control elements . all are provided from main famous producers from U.S.A. and Europe.

Chillers are made of single to eight compressors and sequence of controls are given in it,s cataloge .

Features:

- Compressors are hermetic , semihermtic reciprocating , scroll and screw types.
- Evaporators are brazed plate heat exchanger or shell and tube types.
- Condensers are brazed plate heat exchanger or shell and tube types.
- Optional digital controller for interfacing with EMS systems .



Tech. spec.

RECIPROCATING LIQUID CHILLER

IRLC		COMPRESSOR				Cap. MBH	Refrigerant Charge kg.		Oil charge lit.	Weight kg.	
		CIRCUIT 1		CIRCUIT 2			Circ 2	Circ 1		Shipping.	oper.
		NO.	HP	NO.	HP						
5 – 1	W	1	5	---	---	60	4.7	---	2.2	400	360
	A	1	5	---	---	54					
7.5 – 1	W	1	7.5	---	---	88	6	---	2.8	510	400
	A	1	7.5	---	---	78					
10 – 1	W	1	10	---	---	116	7.5	---	3.4	600	460
	A	1	10	---	---	104.4					
15 – 1	W	1	15	---	---	157.2	12	---	3.4	720	540
	A	1	15	---	---	143					
20 – 1	W	1	20	---	---	188.4	17	---	3.6	800	600
	A	1	20	---	---	171.6					
25 – 1	W	1	25	---	---	234	17.5	---	4.0	840	620
	A	1	25	---	---	211.2					
30 – 1	W	1	30	---	---	288	19	---	4.0	980	745
	A	1	30	---	---	264					
40 – 1	W	1	40	---	---	395	23	---	7.4	1100	890
	A	1	40	---	---	352.8					
20 – 2	W	1	10	1	10	226	13	13	6.8	1150	930
	A	1	10	1	10	194					
30 – 2	W	1	15	1	15	306	14	14	6.8	1300	1020
	A	1	15	1	15	267					
40 – 2	W	1	20	1	20	372	15	15	7.2	1450	1100
	A	1	20	1	20	340.8					
50 – 2	W	1	25	1	25	465.6	16	16	8.0	1500	1140
	A	1	25	1	25	418.8					
60 – 2	W	1	30	1	30	556.8	17	17	8.0	1700	1300
	A	1	30	1	30	506.4					
80 – 2	W	1	40	1	40	795.6	19	19	14.8	1900	1530
	A	1	40	1	40	717.6					
30 - 3	W	2	10	1	10	310.8	21	13	10.2	1650	1170
	A	2	10	1	10	272					
45 – 3	W	2	15	1	15	437	22	14	10.2	1750	1300
	A	2	15	1	15	382					
60 – 3	W	2	20	1	20	564	25	15	11.0	2130	1620
	A	2	20	1	20	495.6					
75 – 3	W	2	25	1	25	699.6	28	17	12.0	2260	1780
	A	2	25	1	25	614.4					
90 – 3	W	2	30	1	30	835.2	35	17.5	12.0	2550	2050
	A	2	30	1	30	732					
120 – 3	W	2	40	1	40	1178.4	39	23	22.2	2900	2300
	A	2	40	1	40	1045.2					
80 – 4	W	2	20	2	20	745.2	25	25	14.4	2600	2100
	A	2	20	2	20	662.4					
100 – 4	W	2	25	2	25	940.8	28	28	16.0	3000	2400
	A	2	25	2	25	835.2					
120 – 4	W	2	30	2	30	1105.2	31	31	16.0	3300	2800
	A	2	30	2	30	976.8					
160 – 4	W	2	40	2	40	1572	39	39	29.6	3850	3100
	A	2	40	2	40	1395.6					
200 – 5	W	3	40	2	40	1994.4	63	40	37.0	4500	3550
	A	3	40	2	40	1764					
240 – 6	W	3	40	3	40	2350.8	63	63	44.4	4800	3800
	A	3	40	3	40	2064					
280 – 7	W	4	40	3	40	2743.2	80	58	51.8	5550	4450
	A	4	40	3	40	2304					
320 – 8	W	4	40	4	40	3048	80	80	59.2	5950	4700
	A	4	40	4	40	2652					