



## LIQUID CHILLER

### Features

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- Available in 36 different models with cooling capacities from 5 to 240 tons of refrigeration
- Scroll/Reciprocating compressors
- Possibility to using shell & tube or plate type evaporator or condenser
- Power and control panel with full protection
- Safety controls including high and low pressure switches, oil pressure safety cut-out, motor overload protection, flow switch and anti freeze control
- HCFC refrigerants and environmental friendly refrigerants (R22, R134a, R407C...)
- PLC control ability
- Easy maintenance and disassemble
- Suitable for air conditioning and industrial applications



## Physical and Performance Data (Water Cooled)

Model	Capacity (MBH)	Evaporator			Condenser			Compressor		Electrical Data		Dimensions			Weight (Kg)
		GPM	PD(ft.wg)	Connection (Inch)	GPM	PD(ft.wg)	Connection (Inch)	Type	No.	MAX Amp	MAX KW	L (cm)	W(cm)	H(cm)	
1SRLC-5W	6.8	13.5	0.2	2x1 1/2	15.4	0.9	2x1 1/4	Recip/Scro	1	8.6	4.7	130	100	115	360
1SRLC-7.5W	11.8	2.5	0.8	2x1 1/2	26.4	1.7	2x1 1/4	Recip/Scro	1	14.9	8	135	100	122	410
1SRLC-10W	13.9	27.7	0.8	2x2	31.1	2.1	2x2	Recip/Scro	1	17.4	9.5	135	100	125	460
1SRLC-15W	18.1	36.2	1.1	2x2	40.6	1.9	2x2	Recip/Scro	1	23.3	12.9	140	100	135	670
1SRLC-20W	19.8	39.6	1.3	2x2 1/2	44.9	2.2	2x2 1/2	Recip/Scro	1	26.6	14.9	145	100	135	770
1SRLC-25W	25.1	50.3	1.5	2x3	57.3	2.7	2x2 1/2	Recip/Scro	1	33.2	19.2	145	100	135	820
1SRLC-30W	30.2	60.5	2.0	2x3	68.2	2.9	2x2 1/2	Recip/Scro	1	39.9	23.3	195	100	140	970
1SRLC-35W	36.5	73.0	2.4	2x3	82.9	4.4	2x2 1/2	Recip	1	52.6	29.7	195	100	140	1050
1SRLC-40W	43.8	87.7	3.3	2x3	99.6	5.9	2x2 1/2	Recip	1	60.7	35.3	195	100	145	1220
1SRLC-50W	53.5	107.1	5.4	2x3	120.7	4.6	2x3	Recip	1	72.2	40.9	245	100	150	1380
1SRLC-60W	64.0	127.9	6.9	2x3	144.7	5.4	2x3	Recip	1	83.9	49.8	245	100	161	1585
2SRLC-10w	13.6	27.0	1.2	2x2 1/2	30.8	0.9	4x1 1/4	Recip/Scro	2	17.2	9.4	192	105	115	710
2SRLC-15w	23.6	47.0	1.2	2x2 1/2	52.8	1.7	4x1 1/4	Recip/Scro	2	29.8	16	192	105	122	920
2SRLC-20w	27.8	55.4	1.8	2x3	62.2	2.1	4x2	Recip/Scro	2	34.8	19	192	105	125	1100
2SRLC-30w	36.2	72.4	3.4	2x3	81.2	1.9	4x2	Recip/Scro	2	46.6	25.8	192	105	135	1210
2SRLC-40w	39.6	79.2	2.9	2x3	89.8	2.2	4x2 1/2	Recip/Scro	2	53.2	29.8	192	110	135	1370
2SRLC-50w	50.2	100.6	4.3	2x3	114.5	2.7	4x2 1/2	Recip/Scro	2	66.4	38.4	192	110	135	1450
2SRLC-60w	60.4	121.0	6.8	2x3	136.3	2.9	4x2 1/2	Recip/Scro	2	79.8	46.6	192	110	140	1690
2SRLC-70w	73.0	146.0	8.3	2x4	165.8	5.4	4x2 1/2	Recip	2	105.2	59.4	243	120	140	1910
2SRLC-80w	87.6	175.4	11.9	2x4	199.3	5.9	4x2 1/2	Recip	2	121.4	70.6	245	120	145	2140
2SRLC-100w	107.1	214.2	12.4	2x5	241.4	4.6	4x3	Recip	2	144.4	81.4	250	125	150	1750
2SRLC-120w	127.9	255.8	17.9	2x5	289.3	5.4	4x3	Recip	2	167.2	99.6	250	125	161	2350
3SRLC-60w	59.4	118.8	6.9	2x3	134.7	4.5	4x2 1/2	Recip/Scro	3	79.8	44.7	250	118	160	1890
3SRLC-75w	75.3	150.9	9.4	2x4	171.8	4.1	2x2 1/2,2x3	Recip/Scro	3	99.6	57.6	250	118	165	2160
3SRLC-90w	90.6	181.5	11.7	2x4	204.5	5.0	2x2 1/2,2x3	Recip/Scro	3	119.7	69.9	250	118	165	2500
3SRLC-105w	109.5	219.0	14.6	2x5	248.7	8.8	2x2 1/2,2x3	Recip	3	157.8	89.1	258	118	165	2880
3SRLC-120w	131.4	263.1	18.0	2x5	298.9	9.6	4x3	Recip	3	182.1	105.9	360	118	170	2980
3SRLC-150w	160.6	321.3	22.4	2x5	362.2	8.3	2x3,2x4	Recip	3	216.7	122.7	365	135	180	3100
3SRLC-180w	191.9	383.7	27.2	2x6	434.0	7.9	2x3,2x4	Recip		251.7	149.4	365	135	185	3280
4SRLC-80w	79.2	158.4	6.0	2x4	249.0	4.5	4x2 1/2	Recip/Scro	4	106.4	59.6	254	135	170	2570
4SRLC-100w	100.4	201.2	9.6	2x5	324.8	4.1	4x3	Recip/Scro	4	132.8	76.8	364	135	162	3000
4SRLC-120w	120.8	242.0	12.3	2x5	359.2	4.6	4x3	Recip/Scro	4	159.6	93.2	364	135	168	3200
4SRLC-140w	146.0	292.0	16.5	2x5	458.0	8.8	4x3	Recip	4	210.4	118.8	364	135	170	3680
4SRLC-160w	175.2	350.8	23.9	2x5	545.4	9.6	4x4	Recip	4	242.8	141.2	364	135	180	3880
4SRLC-200w	214.2	428.4	36.2	2x6	663.3	8.3	4x4	Recip	4	288.8	163.6	467	135	190	4100
4SRLC-240w	255.9	511.6	41.0	2x6	797.0	7.9	4x4	Recip	4	335.6	199.2	467	143	195	4350

**Note:**

- MBH = 10000 Btu/hr
- Capacities are base on evaporator Entering / Leaving chilled water temperature of 56 °F / 46 °F and Entering / Leaving cooling tower temperature of 95°F / 85 °F - Refrigerant R22
- For information about capacities in other condition, please refer to Liquid Chiller Catalogue



## Physical and Performance Data (Air Cooled)

Model	Capacity (MBH)	Evaporator			Compressor		Electrical Data		Dimensions			Weight (Kg)
		GPM	PD (ft.wg)	Connection (Inch)	Type	No.	MAX Amp	MAX KW	L (cm)	W(cm)	H(cm)	
1SRLC-5A	5.8	11.6	0.1	2×1 1/2	Recip./Scroll	1	9.8	5.6	130	100	93	310
1SRLC-7.5A	10.3	20.6	0.3	2×1 1/2	Recip./Scroll	1	17.3	9.6	135	100	100	390
1SRLC-10A	12.4	24.8	0.5	2×2	Recip./Scroll	1	20.3	11.4	135	100	100	410
1SRLC-15A	16.1	32.2	0.9	2×2	Recip./Scroll	1	27.4	15.4	140	100	105	570
1SRLC-20A	17.6	35.2	1.1	2×2 1/2	Recip./Scroll	1	30.3	17.5	145	100	105	660
1SRLC-25A	22.6	45.2	1.2	2×2 1/2	Recip./Scroll	1	37.3	22.3	145	100	105	700
1SRLC-30A	26.6	53.2	1.6	2×3	Recip./Scroll	1	45.1	26.8	195	100	111	810
1SRLC-35A	32.2	64.4	1.9	2×3	Recip	1	60	34.6	195	100	111	840
1SRLC-40A	39.2	78.4	2.8	2×3	Recip	1	68.9	41.9	195	100	120	1110
1SRLC-50A	47.7	95.4	4.1	2×3	Recip	1	80.9	46.9	245	100	123	1180
1SRLC-60A	57.3	114.6	5.8	2×3	Recip	1	96	58.2	245	100	130	1230
2SRLC-10A	11.6	23.2	0.9	2×2 1/2	Recip./Scroll	2	19.6	11.2	192	105	93	610
2SRLC-15A	20.4	40.8	1.0	2×2 1/2	Recip./Scroll	2	34.6	19.2	192	105	100	780
2SRLC-20A	24.0	48.0	1.4	2×3	Recip./Scroll	2	40.6	22.8	192	105	100	910
2SRLC-30A	31.5	63.0	2.7	2×3	Recip./Scroll	2	54.8	30.8	192	105	105	1010
2SRLC-40A	33.9	67.8	2.2	2×3	Recip./Scroll	2	60.6	35	192	105	105	1150
2SRLC-50A	43.8	87.6	3.3	2×3	Recip./Scroll	2	75.4	44.6	192	105	105	1200
2SRLC-60A	52.4	104.8	5.5	2×3	Recip./Scroll	2	90.2	53.6	192	105	111	1380
2SRLC-70A	63.2	126.4	6.5	2×4	Recip	2	120	69.2	243	120	111	1500
2SRLC-80A	76.0	152.0	9.8	2×4	Recip	2	137.8	82.2	245	120	120	1690
2SRLC-100A	93.0	186.0	10.0	2×5	Recip	2	161.8	93.8	250	125	123	1750
2SRLC-120A	111.4	222.8	14.5	2×5	Recip	2	192	116.4	250	125	130	1810
3SRLC-60A	50.9	101.8	6.90	2×3	Recip./Scroll	3	90.9	52.5	250	105	150	1550
3SRLC-75A	65.7	131.4	9.40	2×4	Recip./Scroll	3	113.1	66.9	250	105	150	1750
3SRLC-90A	78.6	157.2	11.70	2×4	Recip./Scroll	3	135.3	80.4	250	105	150	2000
3SRLC-105A	94.8	189.6	14.60	2×5	Recip	3	180	103.8	258	105	150	2250
3SRLC-120A	114.1	228.2	18.00	2×5	Recip	3	206.7	125.7	360	105	150	2350
3SRLC-150A	139.5	279.0	22.40	2×5	Recip	3	242.7	140.7	365	135	180	2470
3SRLC-180A	167.0	334.0	27.20	2×6	Recip	3	288	174.6	365	135	180	2630
4SRLC-80A	70.0	140.0	4.7	2×4	Recip./Scroll	4	121.2	70	254	135	140	2150
4SRLC-100A	89.9	179.8	7.5	2×5	Recip./Scroll	4	150.8	89.2	364	135	140	2450
4SRLC-120A	105.8	211.6	10.2	2×5	Recip./Scroll	4	180.4	107.2	364	135	140	2600
4SRLC-140A	128.0	256.0	13.0	2×5	Recip	4	240	138.4	364	135	145	2900
4SRLC-160A	155.9	311.8	18.6	2×5	Recip	4	275.6	164.4	364	135	150	3100
4SRLC-200A	186	372.0	28.4	2×6	Recip	4	323.6	187.6	467	135	160	3300
4SRLC-240A	222.8	445.6	32.7	2×6	Recip	4	384	232.8	472	143	160	3550

### Note:

■ MBH = 10000 Btu/hr

■ Capacities are base on evaporator Entering / Leaving chilled water temperature of 56 °F / 46 °F and ambient temperature of 100 °F - Refrigerant R22

■ For information about capacities in other condition, please refer to Liquid Chiller Catalogue