

Honeywell Solstice® L40X (R-455A)

Liquid Temperature	Liquid Pressure	Vapor Pressure	Liquid Density	Vapor Density	Liquid Volume	Vapor Volume	Liquid Enthalpy	Vapor Enthalpy
°C	kPa	kPa	kg/m ³	kg/m ³	m ³ /kg	m ³ /kg	kJ/kg	kJ/kg
-50	89.9	51.0	1,285.3	2.47	0.0008	0.4045	132.82	348.96
-49	94.2	53.8	1,282.6	2.60	0.0008	0.3850	134.07	349.53
-48	98.6	56.7	1,279.9	2.73	0.0008	0.3667	135.32	350.10
-47	103.2	59.7	1,277.1	2.86	0.0008	0.3494	136.58	350.67
-46	108.0	62.8	1,274.4	3.00	0.0008	0.3330	137.83	351.24
-45	113.0	66.1	1,271.7	3.15	0.0008	0.3176	139.09	351.81
-44	118.1	69.5	1,268.9	3.30	0.0008	0.3030	140.36	352.38
-43	123.4	73.1	1,266.1	3.46	0.0008	0.2893	141.62	352.95
-42	128.9	76.7	1,263.4	3.62	0.0008	0.2762	142.89	353.52
-41	134.6	80.6	1,260.6	3.79	0.0008	0.2639	144.16	354.09
-40	140.5	84.6	1,257.8	3.96	0.0008	0.2523	145.44	354.66
-39	146.6	88.7	1,255.0	4.15	0.0008	0.2412	146.71	355.24
-38	152.9	93.0	1,252.2	4.33	0.0008	0.2307	147.99	355.81
-37	159.3	97.5	1,249.4	4.53	0.0008	0.2208	149.28	356.38
-36	166.0	102.1	1,246.6	4.73	0.0008	0.2114	150.56	356.95
-35	173.0	106.9	1,243.8	4.94	0.0008	0.2025	151.85	357.52
-34	180.1	111.9	1,240.9	5.15	0.0008	0.1940	153.14	358.09
-33	187.5	117.0	1,238.1	5.38	0.0008	0.1860	154.43	358.66
-32	195.0	122.4	1,235.2	5.61	0.0008	0.1783	155.73	359.23
-31	202.9	127.9	1,232.3	5.85	0.0008	0.1710	157.02	359.80
-30	210.9	133.6	1,229.5	6.09	0.0008	0.1641	158.32	360.37
-29	219.2	139.6	1,226.6	6.35	0.0008	0.1575	159.63	360.94
-28	227.8	145.7	1,223.7	6.61	0.0008	0.1513	160.93	361.51
-27	236.6	152.0	1,220.8	6.88	0.0008	0.1453	162.24	362.08
-26	245.7	158.6	1,217.8	7.16	0.0008	0.1396	163.56	362.65
-25	255.0	165.4	1,214.9	7.45	0.0008	0.1342	164.87	363.22
-24	264.6	172.4	1,211.9	7.75	0.0008	0.1291	166.19	363.78
-23	274.5	179.6	1,209.0	8.06	0.0008	0.1241	167.51	364.35
-22	284.6	187.1	1,206.0	8.37	0.0008	0.1194	168.83	364.92
-21	295.1	194.8	1,203.0	8.70	0.0008	0.1150	170.16	365.48
-20	305.8	202.8	1,200.0	9.04	0.0008	0.1107	171.49	366.05
-19	316.8	211.0	1,197.0	9.38	0.0008	0.1066	172.82	366.61
-18	328.1	219.4	1,194.0	9.74	0.0008	0.1027	174.16	367.18
-17	339.8	228.2	1,191.0	10.11	0.0008	0.0989	175.50	367.74
-16	351.7	237.1	1,188.0	10.49	0.0008	0.0954	176.84	368.30
-15	363.9	246.4	1,184.9	10.88	0.0008	0.0919	178.19	368.86
-14	376.5	255.9	1,181.8	11.28	0.0008	0.0887	179.53	369.43
-13	389.4	265.8	1,178.7	11.69	0.0008	0.0855	180.88	369.99
-12	402.6	275.9	1,175.6	12.12	0.0009	0.0825	182.24	370.54
-11	416.2	286.3	1,172.5	12.55	0.0009	0.0796	183.60	371.10
-10	430.1	297.0	1,169.4	13.00	0.0009	0.0769	184.96	371.66

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-9	444.3	308.0	1,166.3	13.47	0.0009	0.0743	186.32	372.22
-8	458.9	319.3	1,163.1	13.94	0.0009	0.0717	187.69	372.77
-7	473.8	331.0	1,159.9	14.43	0.0009	0.0693	189.06	373.32
-6	489.1	343.0	1,156.7	14.94	0.0009	0.0670	190.43	373.88
-5	504.8	355.3	1,153.5	15.45	0.0009	0.0647	191.81	374.43
-4	520.9	367.9	1,150.3	15.98	0.0009	0.0626	193.19	374.98
-3	537.3	380.9	1,147.1	16.53	0.0009	0.0605	194.57	375.53
-2	554.1	394.2	1,143.8	17.09	0.0009	0.0585	195.96	376.07
-1	571.3	407.9	1,140.5	17.67	0.0009	0.0566	197.35	376.62
0	588.9	421.9	1,137.2	18.26	0.0009	0.0548	198.74	377.16
1	606.9	436.4	1,133.9	18.86	0.0009	0.0530	200.14	377.70
2	625.3	451.2	1,130.6	19.49	0.0009	0.0513	201.54	378.25
3	644.1	466.3	1,127.3	20.13	0.0009	0.0497	202.95	378.78
4	663.3	481.9	1,123.9	20.79	0.0009	0.0481	204.36	379.32
5	683.0	497.8	1,120.5	21.46	0.0009	0.0466	205.77	379.86
6	703.1	514.2	1,117.1	22.15	0.0009	0.0451	207.18	380.39
7	723.6	530.9	1,113.7	22.86	0.0009	0.0437	208.60	380.92
8	744.5	548.1	1,110.2	23.59	0.0009	0.0424	210.02	381.45
9	765.9	565.7	1,106.8	24.34	0.0009	0.0411	211.45	381.98
10	787.8	583.7	1,103.3	25.11	0.0009	0.0398	212.88	382.50
11	810.1	602.2	1,099.8	25.90	0.0009	0.0386	214.32	383.02
12	832.8	621.1	1,096.2	26.71	0.0009	0.0374	215.75	383.54
13	856.1	640.4	1,092.7	27.54	0.0009	0.0363	217.20	384.06
14	879.8	660.2	1,089.1	28.39	0.0009	0.0352	218.64	384.57
15	904.0	680.5	1,085.5	29.26	0.0009	0.0342	220.09	385.09
16	928.6	701.2	1,081.9	30.16	0.0009	0.0332	221.55	385.59
17	953.8	722.5	1,078.2	31.08	0.0009	0.0322	223.00	386.10
18	979.5	744.2	1,074.5	32.02	0.0009	0.0312	224.47	386.60
19	1,005.6	766.4	1,070.8	32.99	0.0009	0.0303	225.93	387.10
20	1,032.3	789.0	1,067.1	33.98	0.0009	0.0294	227.40	387.60
21	1,059.5	812.3	1,063.3	35.00	0.0009	0.0286	228.88	388.09
22	1,087.2	836.0	1,059.5	36.04	0.0009	0.0277	230.36	388.58
23	1,115.4	860.2	1,055.7	37.12	0.0009	0.0269	231.84	389.07
24	1,144.2	885.0	1,051.9	38.21	0.0010	0.0262	233.33	389.55
25	1,173.5	910.3	1,048.0	39.34	0.0010	0.0254	234.82	390.03
26	1,203.3	936.2	1,044.1	40.50	0.0010	0.0247	236.32	390.50
27	1,233.7	962.6	1,040.1	41.68	0.0010	0.0240	237.82	390.97
28	1,264.7	989.6	1,036.2	42.90	0.0010	0.0233	239.33	391.44
29	1,296.2	1,017.2	1,032.2	44.15	0.0010	0.0226	240.84	391.90
30	1,328.2	1,045.3	1,028.1	45.43	0.0010	0.0220	242.36	392.36
31	1,360.9	1,074.1	1,024.0	46.75	0.0010	0.0214	243.88	392.81
32	1,394.1	1,103.4	1,019.9	48.09	0.0010	0.0208	245.41	393.26
33	1,427.9	1,133.3	1,015.8	49.48	0.0010	0.0202	246.94	393.70
34	1,462.3	1,163.9	1,011.6	50.90	0.0010	0.0196	248.48	394.14
35	1,497.3	1,195.1	1,007.4	52.36	0.0010	0.0191	250.02	394.57

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36	1,533.0	1,226.9	1,003.1	53.86	0.0010	0.0186	251.57	395.00
37	1,569.2	1,259.4	998.8	55.39	0.0010	0.0181	253.13	395.42
38	1,606.0	1,292.6	994.4	56.97	0.0010	0.0176	254.69	395.84
39	1,643.5	1,326.4	990.0	58.59	0.0010	0.0171	256.26	396.24
40	1,681.6	1,360.8	985.6	60.26	0.0010	0.0166	257.83	396.65
41	1,720.3	1,396.0	981.1	61.97	0.0010	0.0161	259.41	397.04
42	1,759.6	1,431.9	976.5	63.73	0.0010	0.0157	261.00	397.43
43	1,799.6	1,468.4	971.9	65.53	0.0010	0.0153	262.59	397.81
44	1,840.3	1,505.7	967.3	67.39	0.0010	0.0148	264.19	398.19
45	1,881.6	1,543.7	962.6	69.30	0.0010	0.0144	265.80	398.55
46	1,923.6	1,582.5	957.8	71.26	0.0010	0.0140	267.41	398.91
47	1,966.3	1,622.0	953.0	73.28	0.0010	0.0136	269.04	399.26
48	2,009.6	1,662.3	948.1	75.36	0.0011	0.0133	270.67	399.60
49	2,053.6	1,703.4	943.1	77.50	0.0011	0.0129	272.31	399.93
50	2,098.3	1,745.2	938.1	79.70	0.0011	0.0125	273.95	400.26
51	2,143.7	1,787.8	933.0	81.97	0.0011	0.0122	275.61	400.57
52	2,189.8	1,831.3	927.8	84.30	0.0011	0.0119	277.28	400.87
53	2,236.6	1,875.6	922.5	86.71	0.0011	0.0115	278.95	401.16
54	2,284.1	1,920.7	917.2	89.19	0.0011	0.0112	280.64	401.44
55	2,332.3	1,966.7	911.7	91.75	0.0011	0.0109	282.33	401.71
56	2,381.3	2,013.6	906.2	94.39	0.0011	0.0106	284.04	401.97
57	2,431.0	2,061.3	900.6	97.11	0.0011	0.0103	285.76	402.21
58	2,481.4	2,110.0	894.8	99.93	0.0011	0.0100	287.49	402.44
59	2,532.6	2,159.5	889.0	102.83	0.0011	0.0097	289.23	402.66
60	2,584.5	2,210.0	883.0	105.84	0.0011	0.0094	290.98	402.86
61	2,637.1	2,261.5	876.9	108.95	0.0011	0.0092	292.75	403.04
62	2,690.5	2,313.9	870.7	112.18	0.0011	0.0089	294.53	403.21
63	2,744.7	2,367.3	864.4	115.52	0.0012	0.0087	296.33	403.36
64	2,799.6	2,421.8	857.9	118.98	0.0012	0.0084	298.14	403.49
65	2,855.4	2,477.2	851.3	122.57	0.0012	0.0082	299.97	403.60
66	2,911.8	2,533.7	844.5	126.31	0.0012	0.0079	301.82	403.68
67	2,969.1	2,591.3	837.5	130.19	0.0012	0.0077	303.68	403.75
68	3,524.0	2,650.0	846.6	134.23	0.0012	0.0074	303.56	403.79
69	3,085.9	2,709.8	823.0	138.45	0.0012	0.0072	307.48	403.80
70	3,145.6	2,770.8	815.4	142.84	0.0012	0.0070	309.41	403.79
71	3,205.9	2,833.0	807.6	147.44	0.0012	0.0068	311.36	403.75
72	3,267.1	2,896.4	799.5	152.26	0.0013	0.0066	313.34	403.67
73	3,329.1	2,961.1	791.2	157.31	0.0013	0.0064	315.35	403.55
74	3,391.8	3,027.0	782.5	162.62	0.0013	0.0061	317.40	403.40
75	3,455.3	3,094.3	773.6	168.22	0.0013	0.0059	319.48	403.20
76	3,519.6	3,163.1	764.2	174.14	0.0013	0.0057	321.59	402.96
77	3,584.6	3,233.2	754.5	180.41	0.0013	0.0055	323.75	402.66
78	3,650.4	3,304.9	744.3	187.08	0.0013	0.0053	325.97	402.30
79	3,716.9	3,378.2	733.5	194.20	0.0014	0.0051	328.23	401.87