ISCEON®79

Saturated Properties

Standard state of liquid at 0°C, Enthalpy = 200 kJ/kg, Entropy = 1.0 kJ/kg.K.

Temp	Bub Pt. Pressure	Dew Pt. Pressure	Volume (l / kg)		Density (kg/m³)		Enthalpy (kJ/kg)			Entropy (kJ/kg.K)		Temp
°C	Bar	Bar	Liquid	Vapour	Liquid	Vapour	Liquid	Latent	Vapour	Liquid	Vapour	K
-80	0.191	0.163	0.654	1236.20	1529.3	0.8089	104.4	193.7	298.2	0.5897	1.6044	193
-79	0.203	0.173	0.655	1152.40	1526.2	0.8678	105.6	193.2	298.8	0.5954	1.6020	194
-78	0.216	0.184	0.657	1075.30	1523.1	0.9300	106.7	192.7	299.4	0.6012	1.5998	195
-77	0.229	0.196	0.658	1004.20	1520.0	0.9958	107.8	192.2	300.0	0.6069	1.5976	196
-76	0.243	0.209	0.659	938.66	1516.8	1.065	108.9	191.7	300.6	0.6126	1.5954	197
-75	0.258	0.222	0.661	878.16	1513.7	1.139	110.0	191.2	301.2	0.6183	1.5933	198
-74	0.274	0.235	0.662	822.27	1510.6	1.216	111.2	190.6	301.8	0.6239	1.5913	199
-73	0.290	0.250	0.663	770.59	1507.5	1.298	112.3	190.1	302.4	0.6296	1.5893	200
-72	0.307	0.265	0.665	722.74	1504.4	1.384	113.4	189.6	303.0	0.6352	1.5874	201
-71	0.325	0.281	0.666	678.42	1501.2	1.474	114.5	189.1	303.6	0.6408	1.5855	202
-70	0.344	0.298	0.668	637.31	1498.1	1.569	115.7	188.6	304.2	0.6464	1.5837	203
-69	0.363	0.315	0.669	599.16	1494.9	1.669	116.8	188.0	304.8	0.6519	1.5819	204
-68	0.384	0.334	0.670	563.72	1491.8	1.774	117.9	187.5	305.4	0.6574	1.5801	205
-67	0.406	0.353	0.672	530.78	1488.6	1.884	119.1	187.0	306.0	0.6629	1.5785	206
-66	0.428	0.373	0.673	500.12	1485.5	2.000	120.2	186.4	306.7	0.6684	1.5768	207
-65	0.452	0.394	0.675	471.57	1482.3	2.121	121.4	185.9	307.3	0.6739	1.5752	208
-64	0.476	0.417	0.676	444.97	1479.1	2.247	122.5	185.4	307.9	0.6794	1.5737	209
-63	0.502	0.440	0.678	420.15	1475.9	2.380	123.6	184.8	308.5	0.6848	1.5722	210
-62	0.529	0.464	0.679	396.98	1472.7	2.519	124.8	184.3	309.1	0.6902	1.5707	211
-61	0.557	0.489	0.680	375.35	1469.5	2.664	125.9	183.8	309.7	0.6956	1.5693	212
-60	0.586	0.516	0.682	355.12	1466.3	2.816	127.1	183.2	310.3	0.7010	1.5679	213
-59	0.616	0.543	0.683	336.19	1463.1	2.975	128.2	182.7	310.9	0.7063	1.5666	214
-58	0.648	0.572	0.685	318.48	1459.9	3.140	129.4	182.1	311.5	0.7117	1.5653	215
-57	0.681	0.602	0.687	301.88	1456.7	3.313	130.5	181.6	312.1	0.7170	1.5640	216
-56	0.715	0.633	0.688	286.31	1453.4	3.493	131.7	181.1	312.7	0.7223	1.5628	217
-55	0.751	0.666	0.690	271.72	1450.2	3.680	132.8	180.5	313.3	0.7276	1.5616	218
-54	0.788	0.700	0.691	258.01	1446.9	3.876	134.0	180.0	313.9	0.7329	1.5604	219
-53	0.826	0.735	0.693	245.13	1443.6	4.079	135.1	179.4	314.5	0.7382	1.5593	220
-52	0.867	0.772	0.694	233.03	1440.4	4.291	136.3	178.8	315.1	0.7434	1.5582	221
-51	0.908	0.810	0.696	221.65	1437.1	4.512	137.5	178.3	315.7	0.7486	1.5572	222
-50	0.952	0.844	0.697	210.93	1433.8	4.741	138.6	177.7	316.3	0.7539	1.5561	223
-49	0.997	0.885	0.699	200.84	1430.5	4.979	139.8	177.2	316.9	0.7591	1.5552	224
-48	1.043	0.929	0.701	191.33	1427.2	5.227	141.0	176.6	317.5	0.7643	1.5542	225
-47	1.092	0.974	0.702	182.36	1423.8	5.484	142.1	176.0	318.2	0.7694	1.5533	226
-46	1.142	1.020	0.704	173.90	1420.5	5.751	143.3	175.5	318.8	0.7746	1.5524	227
-45	1.194	1.069	0.706	165.91	1417.2	6.027	144.5	174.9	319.4	0.7797	1.5515	228
-44	1.247	1.119	0.707	158.36	1413.8	6.315	145.7	174.3	320.0	0.7849	1.5506	229
-43	1.303	1.171	0.709	151.23	1410.4	6.612	146.8	173.7	320.5	0.7900	1.5498	230
-42	1.361	1.226	0.711	144.49	1407.0	6.921	148.0	173.1	321.1	0.7951	1.5490	231
-41	1.421	1.282	0.712	138.10	1403.7	7.241	149.2	172.6	321.7	0.8002	1.5482	232
-40	1.483	1.340	0.714	132.06	1400.2	7.572	150.4	172.0	322.3	0.8052	1.5475	233
-39	1.547	1.400	0.716	126.34	1396.8	7.915	151.6	171.4	322.9	0.8103	1.5468	234
-38	1.613	1.462	0.718	120.92	1393.4	8.270	152.8	170.8	323.5	0.8154	1.5461	235
-37	1.681	1.527	0.719	115.78	1390.0	8.637	154.0	170.2	324.1	0.8204	1.5454	236
-36	1.752	1.594	0.721	110.90	1386.5	9.017	155.1	169.6	324.7	0.8254	1.5448	237
-35	1.825	1.663	0.723	106.27	1383.0	9.410	156.3	169.0	325.3	0.8304	1.5441	238
-34	1.901	1.734	0.725	101.87	1379.5	9.816	157.5	168.4	325.9	0.8355	1.5435	239
-33	1.978	1.808	0.727	97.70	1376.1	10.236	158.7	167.7	326.5	0.8404	1.5430	240
-32	2.059	1.884	0.729	93.73	1372.5	10.669	159.9	167.1	327.1	0.8454	1.5424	241
-31	2.142	1.963	0.730	89.95	1369.0	11.117	161.2	166.5	327.7	0.8504	1.5418	242
-30	2.227	2.044	0.732	86.36	1365.5	11.579	162.4	165.9	328.2	0.8554	1.5413	243
-29	2.316	2.128	0.734	82.94	1361.9	12.057	163.6	165.2	328.8	0.8603	1.5408	244
-28	2.407	2.215	0.736	79.69	1358.3	12.549	164.8	164.6	329.4	0.8652	1.5403	245
-27	2.501	2.304	0.738	76.59	1354.8	13.057	166.0	164.0	330.0	0.8702	1.5399	246
-26	2.597	2.396	0.740	73.63	1351.2	13.581	167.2	163.3	330.6	0.8751	1.5394	247
-25	2.697	2.491	0.742	70.81	1347.5	14.122	168.5	162.7	331.1	0.8800	1.5390	248
-24	2.799	2.589	0.744	68.12	1343.9	14.679	169.7	162.0	331.7	0.8849	1.5386	249
-23	2.905	2.690	0.746	65.56	1340.2	15.254	170.9	161.4	332.3	0.8898	1.5382	250
-22	3.014	2.794	0.748	63.11	1336.6	15.846	172.1	160.7	332.8	0.8947	1.5378	251
-21	3.125	2.901	0.750	60.77	1332.9	16.456	173.4	160.0	333.4	0.8995	1.5374	252
-20	3.240	3.012	0.752	58.53	1329.2	17.084	174.6	159.4	334.0	0.9044	1.5370	253
-19	3.359	3.125	0.754	56.40	1325.4	17.731	175.8	158.7	334.6	0.9092	1.5367	254

ISCEON®79

Saturated Properties

Standard state of liquid at 0°C, Enthalpy = 200 kJ/kg, Entropy = 1.0 kJ/kg.K.

Temp	Bub Pt. Pressure	Dew Pt. Pressure	Volume (l / kg)		Density (kg/m³)		Enthalpy (kJ/kg)			Entropy (kJ/kg.K)		Temp
°C	Bar	Bar	Liquid	Vapour	Liquid	Vapour	Liquid	Latent	Vapour	Liquid	Vapour	K
-18	3.480	3.242	0.757	54.36	1321.7	18.398	177.1	158.0	335.1	0.9141	1.5364	255
-17	3.605	3.362	0.759	52.40	1317.9	19.084	178.3	157.3	335.7	0.9189	1.5360	256
-16	3.734	3.486	0.761	50.53	1314.1	19.790	179.6	156.7	336.2	0.9237	1.5357	257
-15	3.866	3.613	0.763	48.74	1310.3	20.517	180.8	156.0	336.8	0.9286	1.5355	258
-14	4.002	3.744	0.765	47.03	1306.5	21.265	182.1	155.3	337.3	0.9334	1.5352	259
-13	4.141	3.878	0.768	45.38	1302.7	22.034	183.3	154.6	337.9	0.9382	1.5349	260
-12	4.284	4.016	0.770	43.81	1298.8	22.826	184.6	153.8	338.4	0.9430	1.5346	261
-11	4.431	4.158	0.772	42.30	1294.9	23.641	185.9	153.1	339.0	0.9478	1.5344	262
-10	4.582	4.303	0.775	40.85	1291.0	24.478	187.1	152.4	339.5	0.9525	1.5342	263
-9	4.736	4.453	0.777	39.46	1287.0	25.339	188.4	151.7	340.1	0.9573	1.5339	264
-8	4.895	4.606	0.779	38.13	1283.1	26.225	189.7	150.9	340.6	0.9621	1.5337	265
-7	5.058	4.764	0.782	36.85	1279.1	27.136	191.0	150.2	341.2	0.9668	1.5335	266
-6	5.224	4.926	0.784	35.62	1275.1	28.072	192.2	149.4	341.7	0.9716	1.5333	267
-5	5.395	5.091	0.787	34.44	1271.0	29.034	193.5	148.7	342.2	0.9763	1.5331	268
-4	5.571	5.262	0.789	33.31	1267.0	30.023	194.8	147.9	342.7	0.9811	1.5329	269
-3	5.750	5.436	0.792	32.22	1262.9	31.039	196.1	147.2	343.3	0.9858	1.5327	270
-2	5.934	5.615	0.794	31.17	1258.7	32.084	197.4	146.4	343.8	0.9906	1.5325	271
-1	6.123	5.798	0.797	30.16	1254.6	33.157	198.7	145.6	344.3	0.9953	1.5324	272
0	6.316	5.986	0.800	29.19	1250.4	34.260	200.0	144.8	344.8	1.0000	1.5322	273
1	6.513	6.178	0.802	28.25	1246.2	35.393	201.3	144.0	345.3	1.0047	1.5320	274
2	6.716	6.376	0.805	27.35	1242.0	36.557	202.6	143.2	345.8	1.0094	1.5319	275
3	6.923	6.577	0.808	26.49	1237.7	37.753	203.9	142.4	346.3	1.0141	1.5317	276
4	7.135	6.784	0.811	25.65	1233.4	38.982	205.3	141.6	346.8	1.0189	1.5315	277
5	7.351	6.996	0.814	24.85	1229.1	40.245	206.6	140.7	347.3	1.0236	1.5314	278
6	7.573	7.213	0.817	24.07	1224.7	41.542	207.9	139.9	347.8	1.0283	1.5312	279
7	7.800	7.434	0.819	23.32	1220.3	42.874	209.2	139.1	348.3	1.0330	1.5311	280
8	8.032	7.661	0.822	22.60	1215.8	44.243	210.6	138.2	348.8	1.0376	1.5309	281
9	8.269	7.893	0.826	21.91	1211.4	45.649	211.9	137.3	349.3	1.0423	1.5308	282
10	8.511	8.131	0.829	21.23	1206.8	47.094	213.3	136.5	349.7	1.0470	1.5306	283
11	8.759	8.373	0.832	20.59	1202.3	48.578	214.6	135.6	350.2	1.0517	1.5304	284
12	9.012	8.622	0.835	19.96	1197.7	50.103	216.0	134.7	350.7	1.0564	1.5303	285
13	9.270	8.875	0.838	19.35	1193.1	51.670	217.3	133.8	351.1	1.0611	1.5301	286
14	9.534	9.135	0.841	18.77	1188.4	53.280	218.7	132.9	351.6	1.0658	1.5300	287
15	9.804	9.400	0.845	18.20	1183.7	54.935	220.1	131.9	352.0	1.0705	1.5298	288
16	10.079	9.670	0.848	17.66	1178.9	56.635	221.4	131.0	352.4	1.0751	1.5296	289
17	10.360	9.947	0.852	17.13	1174.1	58.382	222.8	130.0	352.9	1.0798	1.5294	290
18	10.647	10.230	0.855	16.62	1169.2	60.177	224.2	129.1	353.3	1.0845	1.5292	291
19	10.940	10.518	0.859	16.12	1164.3	62.023	225.6	128.1	353.7	1.0892	1.5290	292
20	11.239	10.813	0.863	15.64	1159.3	63.921	227.0	127.1	354.1	1.0939	1.5288	293
21	11.543	11.113	0.866	15.18	1154.3	65.872	228.4	126.1	354.5	1.0986	1.5286	294
22	11.854	11.420	0.870	14.73	1149.3	67.878	229.8	125.1	354.9	1.1033	1.5284	295
23	12.171	11.734	0.874	14.30	1144.1	69.941	231.2	124.1	355.3	1.1080	1.5282	296
24	12.495	12.053	0.878	13.88	1138.9	72.064	232.7	123.0	355.7	1.1127	1.5279	297
25	12.824	12.380	0.882	13.47	1133.7	74.247	234.1	122.0	356.1	1.1174	1.5277	298
26	13.160	12.712	0.886	13.07	1128.4	76.493	235.5	120.9	356.4	1.1221	1.5274	299
27	13.503	13.052	0.890	12.69	1123.0	78.805	237.0	119.8	356.8	1.1268	1.5271	300
28	13.852	13.398	0.895	12.32	1117.6	81.185	238.4	118.7	357.1	1.1315	1.5268	301
29	14.208	13.751	0.899	11.96	1112.1	83.636	239.9	117.6	357.5	1.1362	1.5265	302
30	14.570	14.111	0.904	11.61	1106.5	86.159	241.3	116.5	357.8	1.1410	1.5262	303
31	14.939	14.477	0.908	11.27	1100.8	88.759	242.8	115.3	358.1	1.1457	1.5258	304
32	15.315	14.851	0.913	10.94	1095.1	91.439	244.3	114.1	358.4	1.1504	1.5255	305
33	15.698	15.232	0.918	10.62	1089.2	94.200	245.8	113.0	358.7	1.1552	1.5251	306
34	16.088	15.620	0.923	10.30	1083.3	97.048	247.3	111.7	359.0	1.1600	1.5247	307
35	16.485	16.016	0.928	10.00	1077.3	99.986	248.8	110.5	359.3	1.1647	1.5243	308
36	16.890	16.418	0.934	9.71	1071.2	103.02	250.3	109.3	359.5	1.1695	1.5238	309
37	17.301	16.829	0.939	9.42	1065.0	106.15	251.8	108.0	359.8	1.1743	1.5233	310
38	17.719	17.247	0.945	9.14	1058.7	109.38	253.4	106.7	360.0	1.1791	1.5228	311
39	18.145	17.672	0.950	8.87	1052.3	112.72	254.9	105.4	360.3	1.1840	1.5223	312
40	18.579	18.105	0.956	8.61	1045.8	116.17	256.5	104.0	360.5	1.1888	1.5218	313
41	19.02	18.55	0.962	8.35	1039.2	119.75	258.0	102.6	360.7	1.1937	1.5212	314
42	19.47	19.00	0.969	8.10	1032.4	123.45	259.6	101.2	360.8	1.1986	1.5205	315
43	19.92	19.45	0.975	7.86	1025.5	127.28	261.2	99.8	361.0	1.2035	1.5199	316

ISCEON®79

Saturated Properties

Standard state of liquid at 0°C, Enthalpy = 200 kJ/kg, Entropy = 1.0 kJ/kg.K.

Temp	Bub Pt. Pressure	Dew Pt. Pressure	Volume (l / kg)		Density (kg/m³)		Enthalpy (kJ/kg)			Entropy (kJ/kg.K)		Temp
°C	Bar	Bar	Liquid	Vapour	Liquid	Vapour	Liquid	Latent	Vapour	Liquid	Vapour	K
44	20.39	19.92	0.982	7.62	1018.5	131.25	262.8	98.3	361.1	1.2084	1.5192	317
45	20.86	20.39	0.989	7.39	1011.3	135.37	264.4	96.9	361.3	1.2133	1.5184	318
46	21.34	20.87	0.996	7.16	1003.9	139.65	266.1	95.3	361.4	1.2183	1.5176	319
47	21.83	21.36	1.004	6.94	996.4	144.10	267.7	93.8	361.5	1.2233	1.5168	320
48	22.32	21.86	1.012	6.72	988.6	148.72	269.4	92.1	361.5	1.2284	1.5159	321
49	22.83	22.36	1.020	6.51	980.7	153.55	271.1	90.5	361.6	1.2335	1.5150	322
50	23.34	22.88	1.028	6.31	972.6	158.57	272.8	88.8	361.6	1.2386	1.5140	323
51	23.855	23.483	1.037	6.10	964.2	163.82	274.5	87.1	361.6	1.2437	1.5129	324
52	24.383	24.019	1.046	5.91	955.6	169.32	276.2	85.3	361.5	1.2489	1.5117	325
53	24.919	24.563	1.056	5.71	946.8	175.07	278.0	83.4	361.4	1.2542	1.5105	326
54	25.464	25.117	1.067	5.52	937.6	181.12	279.8	81.5	361.3	1.2595	1.5092	327
55	26.017	25.679	1.078	5.33	928.1	187.48	281.6	79.5	361.2	1.2649	1.5077	328
56	26.579	26.250	1.089	5.15	918.2	194.19	283.5	77.5	361.0	1.2703	1.5062	329
57	27.149	26.831	1.101	4.97	908.0	201.28	285.4	75.4	360.7	1.2759	1.5045	330
58	27.729	27.420	1.115	4.79	897.3	208.81	287.3	73.1	360.4	1.2815	1.5027	331
59	28.316	28.019	1.129	4.61	886.1	216.83	289.3	70.8	360.1	1.2872	1.5008	332
60	28.913	28.628	1.144	4.44	874.3	225.41	291.3	68.4	359.6	1.2930	1.4986	333
61	29.519	29.246	1.160	4.26	861.8	234.64	293.4	65.8	359.1	1.2990	1.4962	334
62	30.133	29.873	1.178	4.09	848.6	244.63	295.5	63.1	358.5	1.3052	1.4936	335
63	30.756	30.510	1.199	3.91	834.4	255.53	297.7	60.1	357.8	1.3115	1.4907	336
64	31.389	31.156	1.221	3.74	819.1	267.53	300.0	57.0	357.0	1.3181	1.4874	337
65	32.031	31.813	1.246	3.56	802.3	280.93	302.4	53.5	356.0	1.3251	1.4837	338
66	32.682	32.479	1.276	3.38	783.6	296.14	305.0	49.7	354.7	1.3324	1.4793	339
67	33.342	33.155	1.312	3.19	762.2	313.85	307.8	45.4	353.2	1.3403	1.4741	340
68	34.012	33.841	1.357	2.98	736.8	335.30	310.9	40.4	351.3	1.3492	1.4677	341
69	34.691	34.538	1.420	2.75	704.2	363.16	314.6	34.0	348.6	1.3597	1.4591	342
70	35.379	35.244	1.529	2.46	653.9	405.96	319.8	24.4	344.2	1.3745	1.4458	343

ISCEON®79

Superheated Vapour Properties

Standard state of liquid at 0°C, Enthalpy = 200 kJ/kg, Entropy = 1.0 kJ/kg.K. Dew point pressures quoted

-80°C (0.163 bar)				-70°C (0.298 bar)				-60°C (0.516 bar)				-50°C (0.823 bar)			
Temp. °C	Density (kg/m³)	Enthalpy (kJ/kg)	Entropy (kJ/kg.K)	Temp. °C	Density (kg/m³)	Enthalpy (kJ/kg)	Entropy (kJ/kg.K)	Temp. °C	Density (kg/m³)	Enthalpy (kJ/kg)	Entropy (kJ/kg.K)	Temp. °C	Density (kg/m³)	Enthalpy (kJ/kg)	Entropy (kJ/kg.K)
-80	0.809	298.2	1.6044	-70	1.569	304.2	1.5837	-60	2.816	310.29	1.5679	-50	4.7409	316.3	1.5561
-78	0.800	299.5	1.611	-68	1.553	305.6	1.5902	-58	2.787	311.67	1.5744	-48	4.6931	317.8	1.5626
-76	0.792	300.8	1.6175	-66	1.537	306.9	1.5967	-56	2.760	313.06	1.5808	-46	4.6464	319.2	1.5689
-74	0.784	302.1	1.6241	-64	1.522	308.2	1.6031	-54	2.732	314.45	1.5872	-44	4.6008	320.7	1.5753
-72	0.776	303.4	1.6306	-62	1.506	309.6	1.6095	-52	2.706	315.85	1.5935	-42	4.5562	322.1	1.5816
-70	0.768	304.7	1.6371	-60	1.492	310.9	1.6159	-50	2.679	317.26	1.5999	-40	4.5126	323.6	1.5879
-68	0.760	306.0	1.6435	-58	1.477	312.3	1.6223	-48	2.654	318.67	1.6062	-38	4.4699	325.1	1.5942
-66	0.753	307.3	1.6499	-56	1.463	313.7	1.6286	-46	2.629	320.09	1.6124	-36	4.4282	326.5	1.6004
-64	0.745	308.6	1.6563	-54	1.449	315.0	1.6349	-44	2.604	321.51	1.6187	-34	4.3873	328.0	1.6066
-62	0.738	310.0	1.6627	-52	1.435	316.4	1.6412	-42	2.580	322.94	1.6249	-32	4.3473	329.5	1.6127
-60	0.731	311.3	1.669	-50	1.422	317.8	1.6475	-40	2.557	324.38	1.6311	-30	4.3081	331.0	1.6189
-58	0.724	312.7	1.6753	-48	1.409	319.2	1.6537	-38	2.534	325.82	1.6372	-28	4.2696	332.5	1.6250
-56	0.717	314.0	1.6816	-46	1.396	320.6	1.6599	-36	2.511	327.27	1.6434	-26	4.2320	334.0	1.6311
-54	0.710	315.4	1.6879	-44	1.383	322.0	1.6661	-34	2.489	328.73	1.6495	-24	4.1950	335.5	1.6371
-52	0.704	316.8	1.6941	-42	1.371	323.4	1.6722	-32	2.467	330.19	1.6556	-22	4.1588	337.0	1.6432
-50	0.697	318.1	1.7003	-40	1.359	324.9	1.6783	-30	2.446	331.66	1.6616	-20	4.1233	338.5	1.6492
-48	0.691	319.5	1.7065	-38	1.347	326.3	1.6845	-28	2.425	333.13	1.6677	-18	4.0884	340.0	1.6552
-46	0.685	320.9	1.7127	-36	1.335	327.7	1.6905	-26	2.404	334.61	1.6737	-16	4.0542	341.5	1.6611
-44	0.679	322.3	1.7188	-34	1.324	329.2	1.6966	-24	2.384	336.1	1.6797	-14	4.0206	343.1	1.6671
-42	0.673	323.7	1.7249	-32	1.312	330.6	1.7026	-22	2.364	337.6	1.6857	-12	3.9876	344.6	1.6730
-40	0.667	325.1	1.731	-30	1.301	332.1	1.7087	-20	2.345	339.1	1.6916	-10	3.9552	346.2	1.6789
-38	0.661	326.6	1.7371	-28	1.290	333.6	1.7147	-18	2.325	340.61	1.6976	-8	3.9233	347.7	1.6848
-36	0.656	328.0	1.7432	-26	1.280	335.0	1.7206	-16	2.306	342.12	1.7035	-6	3.8920	349.3	1.6907
-34	0.650	329.4	1.7492	-24	1.269	336.5	1.7266	-14	2.288	343.64	1.7094	-4	3.8613	350.8	1.6965
-32	0.645	330.9	1.7552	-22	1.259	338.0	1.7325	-12	2.270	345.17	1.7153	-2	3.8310	352.4	1.7023
-30	0.639	332.3	1.7612	-20	1.249	339.5	1.7385	-10	2.252	346.7	1.7211	0	3.8013	354.0	1.7081
-28	0.634	333.8	1.7672	-18	1.239	341.0	1.7444	-8	2.234	348.25	1.7269	2	3.7721	355.6	1.7139
-26	0.629	335.3	1.7731	-16	1.229	342.5	1.7502	-6	2.217	349.79	1.7328	4	3.7433	357.2	1.7197
-24	0.624	336.7	1.7791	-14	1.219	344.0	1.7561	-4	2.200	351.35	1.7386	6	3.7150	358.8	1.7254
-22	0.619	338.2	1.785	-12	1.210	345.5	1.7620	-2	2.183	352.91	1.7443	8	3.6872	360.4	1.7311
-20	0.614	339.7	1.7909	-10	1.200	347.0	1.7678	0	2.166	354.48	1.7501	10	3.6598	362.0	1.7368
-18	0.609	341.2	1.7968	-8	1.191	348.6	1.7736	2	2.150	356.05	1.7558	12	3.6328	363.6	1.7425
-16	0.604	342.7	1.8026	-6	1.182	350.1	1.7794	4	2.134	357.63	1.7616	14	3.6062	365.2	1.7482
-14	0.599	344.2	1.8085	-4	1.173	351.7	1.7852	6	2.118	359.22	1.7673	16	3.5801	366.8	1.7538
-12	0.595	345.7	1.8143	-2	1.164	353.2	1.7909	8	2.103	360.82	1.773	18	3.5543	368.5	1.7595
-10	0.590	347.2	1.8201	0	1.155	354.8	1.7966	10	2.088	362.42	1.7786	20	3.5290	370.1	1.7651
-8	0.586	348.8	1.8259	2	1.147	356.4	1.8024	12	2.073	364.03	1.7843	22	3.5040	371.8	1.7707
-6	0.581	350.3	1.8317	4	1.138	357.9	1.8081	14	2.058	365.64	1.79	24	3.4794	373.4	1.7763
-4	0.577	351.9	1.8374	6	1.130	359.5	1.8138	16	2.043	367.26	1.7956	26	3.4552	375.1	1.7819
-2	0.573	353.4	1.8432	8	1.122	361.1	1.8194	18	2.029	368.89	1.8012	28	3.4313	376.8	1.7874
0	0.568	355.0	1.8489	10	1.114	362.7	1.8251	20	2.014	370.53	1.8068	30	3.4077	378.4	1.7930
2	0.564	356.5	1.8546	12	1.106	364.3	1.8307	22	2.000	372.17	1.8124	32	3.3845	380.1	1.7985
4	0.560	358.1	1.8603	14	1.098	365.9	1.8364	24	1.987	373.82	1.8179	34	3.3616	381.8	1.8040
6	0.556	359.7	1.866	16	1.090	367.5	1.8420	26	1.973	375.47	1.8235	36	3.3391	383.5	1.8095
8	0.552	361.3	1.8717	18	1.083	369.2	1.8476	28	1.960	377.13	1.829	38	3.3168	385.2	1.8150
10	0.548	362.9	1.8773	20	1.075	370.8	1.8531	30	1.946	378.8	1.8345	40	3.2949	386.9	1.8205
12	0.544	364.5	1.8829	22	1.068	372.4	1.8587	32	1.933	380.47	1.84	42	3.2732	388.6	1.8259
14	0.540	366.1	1.8885	24	1.061	374.1	1.8643	34	1.921	382.16	1.8455	44	3.2519	390.3	1.8314
16	0.537	367.7	1.8941	26	1.054	375.7	1.8698	36	1.908	383.84	1.851	46	3.2308	392.1	1.8368
18	0.533	369.3	1.8997	28	1.046	377.4	1.8753	38	1.895	385.54	1.8565	48	3.2101	393.8	1.8422
20	0.529	370.9	1.9053	30	1.039	379.0	1.8808	40	1.883	387.24	1.8619	50	3.1896	395.5	1.8476

ISCEON®79

Superheated Vapour Properties

Standard state of liquid at 0°C, Enthalpy = 200 kJ/kg, Entropy = 1.0 kJ/kg.K. Dew point pressures quoted

-40°C (1.340 bar)				-30°C (2.044 bar)				-20°C (3.012 bar)				-10°C (4.303 bar)			
Temp. °C	Density (kg/m³)	Enthalpy (kJ/kg)	Entropy (kJ/kg.K)	Temp. °C	Density (kg/m³)	Enthalpy (kJ/kg)	Entropy (kJ/kg.K)	Temp. °C	Density (kg/m³)	Enthalpy (kJ/kg)	Entropy (kJ/kg.K)	Temp. °C	Density (kg/m³)	Enthalpy (kJ/kg)	Entropy (kJ/kg.K)
-40	7.5721	322.3	1.5475	-30	11.579	328.2	1.5413	-20	17.084	334.0	1.5370	-10	24.48	339.5	1.5342
-38	7.4950	323.8	1.5539	-28	11.459	329.8	1.5477	-18	16.899	335.6	1.5435	-8	24.20	341.3	1.5407
-36	7.4199	325.3	1.5603	-26	11.341	331.4	1.5541	-16	16.720	337.3	1.5499	-6	23.93	343.0	1.5472
-34	7.3466	326.9	1.5666	-24	11.227	332.9	1.5605	-14	16.546	338.9	1.5563	-4	23.67	344.7	1.5536
-32	7.2751	328.4	1.5729	-22	11.116	334.5	1.5668	-12	16.377	340.6	1.5626	-2	23.41	346.4	1.5600
-30	7.2052	329.9	1.5792	-20	11.007	336.1	1.5730	-10	16.212	342.2	1.5689	0	23.17	348.2	1.5663
-28	7.1370	331.4	1.5854	-18	10.902	337.7	1.5792	-8	16.051	343.9	1.5751	2	22.93	349.9	1.5726
-26	7.0702	332.9	1.5916	-16	10.798	339.3	1.5854	-6	15.895	345.5	1.5813	4	22.69	351.6	1.5788
-24	7.0049	334.5	1.5978	-14	10.697	340.9	1.5916	-4	15.743	347.2	1.5875	6	22.47	353.3	1.5850
-22	6.9410	336.0	1.6039	-12	10.599	342.4	1.5977	-2	15.594	348.8	1.5936	8	22.25	355.0	1.5912
-20	6.8785	337.5	1.6100	-10	10.502	344.0	1.6038	0	15.449	350.5	1.5997	10	22.03	356.8	1.5973
-18	6.8173	339.1	1.6161	-8	10.408	345.6	1.6099	2	15.307	352.1	1.6058	12	21.82	358.5	1.6034
-16	6.7573	340.6	1.6221	-6	10.316	347.3	1.6159	4	15.169	353.8	1.6118	14	21.62	360.2	1.6094
-14	6.6986	342.2	1.6282	-4	10.2250	348.9	1.6219	6	15.034	355.5	1.6178	16	21.42	362.0	1.6154
-12	6.6410	343.7	1.6342	-2	10.1370	350.5	1.6279	8	14.901	357.1	1.6238	18	21.23	363.7	1.6214
-10	6.5845	345.3	1.6401	0	10.0500	352.1	1.6338	10	14.772	358.8	1.6297	20	21.04	365.4	1.6274
-8	6.5291	346.9	1.6461	2	9.9652	353.7	1.6398	12	14.645	360.5	1.6357	22	20.85	367.2	1.6333
-6	6.4748	348.5	1.6520	4	9.8819	355.4	1.6457	14	14.521	362.2	1.6416	24	20.67	368.9	1.6392
-4	6.4215	350.0	1.6579	6	9.8003	357.0	1.6516	16	14.399	363.9	1.6474	26	20.49	370.7	1.6451
-2	6.3691	351.6	1.6638	8	9.7202	358.6	1.6574	18	14.280	365.6	1.6533	28	20.32	372.4	1.6509
0	6.3177	353.2	1.6697	10	9.6417	360.3	1.6632	20	14.164	367.3	1.6591	30	20.15	374.2	1.6567
2	6.2673	354.8	1.6755	12	9.5646	361.9	1.6691	22	14.049	369.0	1.6649	32	19.98	376.0	1.6625
4	6.2177	356.4	1.6813	14	9.4889	363.6	1.6748	24	13.937	370.7	1.6706	34	19.82	377.7	1.6683
6	6.1690	358.0	1.6871	16	9.4146	365.2	1.6806	26	13.827	372.4	1.6764	36	19.66	379.5	1.6740
8	6.1211	359.7	1.6929	18	9.3417	366.9	1.6864	28	13.719	374.1	1.6821	38	19.51	381.3	1.6797
10	6.0741	361.3	1.6987	20	9.2700	368.6	1.6921	30	13.613	375.8	1.6878	40	19.35	383.0	1.6854
12	6.0278	362.9	1.7044	22	9.1995	370.3	1.6978	32	13.509	377.6	1.6935	42	19.20	384.8	1.6911
14	5.9823	364.6	1.7101	24	9.1303	371.9	1.7035	34	13.406	379.3	1.6992	44	19.05	386.6	1.6968
16	5.9376	366.2	1.7158	26	9.0622	373.6	1.7091	36	13.306	381.0	1.7048	46	18.91	388.4	1.7024
18	5.8936	367.8	1.7215	28	8.9953	375.3	1.7148	38	13.207	382.8	1.7104	48	18.77	390.2	1.7080
20	5.8503	369.5	1.7272	30	8.9294	377.0	1.7204	40	13.110	384.5	1.7160	50	18.63	392.0	1.7136
22	5.8077	371.2	1.7328	32	8.8647	378.7	1.7260	42	13.015	386.3	1.7216	52	18.49	393.8	1.7191
24	5.7657	372.8	1.7384	34	8.8010	380.4	1.7316	44	12.921	388.1	1.7272	54	18.36	395.6	1.7247
26	5.7244	374.5	1.7440	36	8.7383	382.2	1.7372	46	12.829	389.8	1.7327	56	18.22	397.4	1.7302
28	5.6838	376.2	1.7496	38	8.6766	383.9	1.7427	48	12.738	391.6	1.7383	58	18.09	399.2	1.7357
30	5.6438	377.9	1.7552	40	8.6158	385.6	1.7483	50	12.649	393.4	1.7438	60	17.97	401.1	1.7412
32	5.6043	379.6	1.7608	42	8.5560	387.4	1.7538	52	12.561	395.1	1.7493	62	17.84	402.9	1.7467
34	5.5655	381.3	1.7663	44	8.4971	389.1	1.7593	54	12.474	396.9	1.7547	64	17.72	404.7	1.7521
36	5.5272	383.0	1.7718	46	8.4391	390.8	1.7648	56	12.389	398.7	1.7602	66	17.59	406.6	1.7576
38	5.4895	384.7	1.7774	48	8.3819	392.6	1.7703	58	12.305	400.5	1.7656	68	17.47	408.4	1.7630
40	5.4524	386.4	1.7828	50	8.3256	394.4	1.7757	60	12.223	402.3	1.7711	70	17.36	410.3	1.7684
42	5.4157	388.1	1.7883	52	8.2702	396.1	1.7812	62	12.141	404.1	1.7765	72	17.24	412.1	1.7738
44	5.3796	389.8	1.7938	54	8.2155	397.9	1.7866	64	12.061	405.9	1.7819	74	17.13	414.0	1.7792
46	5.3441	391.6	1.7992	56	8.1616	399.7	1.7920	66	11.982	407.8	1.7872	76	17.01	415.8	1.7845
48	5.3090	393.3	1.8047	58	8.1085	401.4	1.7974	68	11.904	409.6	1.7926	78	16.90	417.7	1.7898
50	5.2744	395.1	1.8101	60	8.0561	403.2	1.8028	70	11.828	411.4	1.7980	80	16.79	419.6	1.7952
52	5.2402	396.8	1.8155	62	8.0044	405.0	1.8081	72	11.752	413.2	1.8033	82	16.69	421.5	1.8005
54	5.2066	398.6	1.8209	64	7.9535	406.8	1.8135	74	11.678	415.1	1.8086	84	16.58	423.3	1.8058
56	5.1734	400.3	1.8263	66	7.9032	408.6	1.8188	76	11.604	416.9	1.8139	86	16.47	425.2	1.8110
58	5.1406	402.1	1.8316	68	7.8537	410.4	1.8242	78	11.532	418.8	1.8192	88	16.37	427.1	1.8163
60	5.1083	403.9	1.8370	70	7.8048	412.3	1.8295	80	11.460	420.6	1.8245	90	16.27	429.0	1.8215

ISCEON®79

Superheated Vapour Properties

Standard state of liquid at 0°C, Enthalpy = 200 kJ/kg, Entropy = 1.0 kJ/kg.K. Dew point pressures quoted

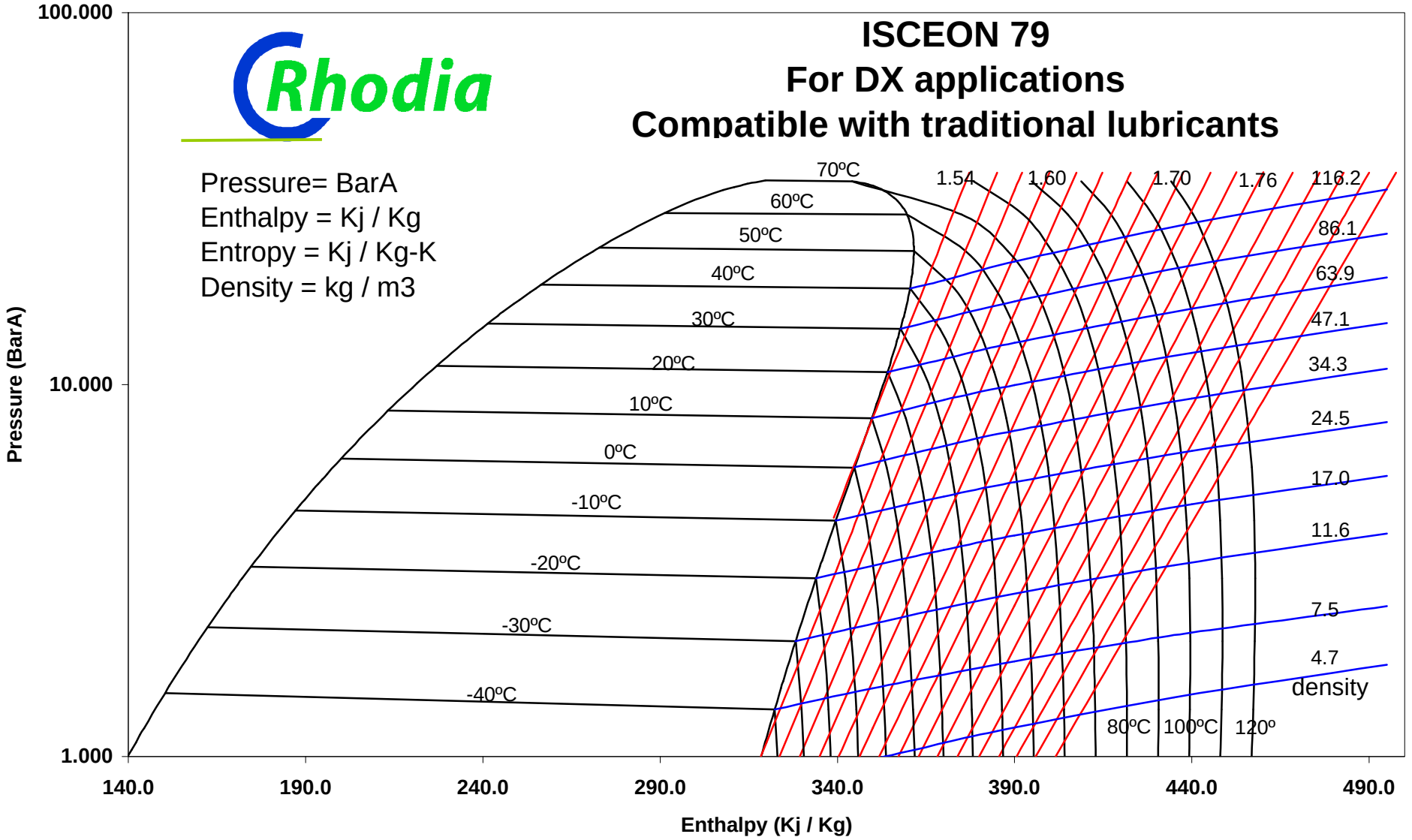
0°C (5.986 bar)				10°C (8.131 bar)				20°C (10.813 bar)				30°C (14.111 bar)			
Temp. °C	Density (kg/m³)	Enthalpy (kJ/kg)	Entropy (kJ/kg.K)	Temp. °C	Density (kg/m³)	Enthalpy (kJ/kg)	Entropy (kJ/kg.K)	Temp. °C	Density (kg/m³)	Enthalpy (kJ/kg)	Entropy (kJ/kg.K)	Temp. °C	Density (kg/m³)	Enthalpy (kJ/kg)	Entropy (kJ/kg.K)
0	34.26	344.8	1.5322	10	47.09	349.7	1.5306	20	63.92	354.1	1.5288	30	86.16	357.8	1.5262
2	33.84	346.6	1.5388	12	46.45	351.7	1.5374	22	62.92	356.2	1.5359	32	84.54	360.1	1.5337
4	33.43	348.5	1.5454	14	45.84	353.6	1.5441	24	61.97	358.3	1.5429	34	83.03	362.4	1.5411
6	33.04	350.3	1.5519	16	45.25	355.5	1.5508	26	61.07	360.3	1.5498	36	81.62	364.6	1.5483
8	32.66	352.1	1.5584	18	44.68	357.4	1.5574	28	60.21	362.4	1.5565	38	80.29	366.8	1.5555
10	32.29	353.9	1.5648	20	44.13	359.3	1.5639	30	59.39	364.4	1.5633	40	79.03	369.0	1.5625
12	31.94	355.7	1.5711	22	43.61	361.2	1.5703	32	58.61	366.4	1.5699	42	77.85	371.1	1.5694
14	31.60	357.5	1.5774	24	43.10	363.1	1.5768	34	57.86	368.4	1.5765	44	76.72	373.3	1.5762
16	31.26	359.3	1.5837	26	42.61	365.0	1.5831	36	57.14	370.4	1.5830	46	75.65	375.4	1.5829
18	30.94	361.1	1.5899	28	42.14	366.9	1.5894	38	56.44	372.4	1.5894	48	74.63	377.5	1.5895
20	30.63	362.9	1.5960	30	41.68	368.8	1.5957	40	55.78	374.4	1.5958	50	73.65	379.7	1.5960
22	30.32	364.7	1.6022	32	41.24	370.7	1.6019	42	55.14	376.4	1.6021	52	72.71	381.8	1.6025
24	30.02	366.5	1.6083	34	40.81	372.6	1.6080	44	54.52	378.4	1.6083	54	71.81	383.8	1.6089
26	29.74	368.3	1.6143	36	40.40	374.4	1.6141	46	53.92	380.3	1.6145	56	70.95	385.9	1.6153
28	29.45	370.1	1.6203	38	39.99	376.3	1.6202	48	53.34	382.3	1.6207	58	70.12	388.0	1.6215
30	29.18	371.9	1.6263	40	39.60	378.2	1.6262	50	52.78	384.3	1.6268	60	69.32	390.1	1.6278
32	28.91	373.7	1.6323	42	39.22	380.1	1.6322	52	52.24	386.2	1.6329	62	68.55	392.1	1.6339
34	28.65	375.5	1.6382	44	38.85	382.0	1.6382	54	51.71	388.2	1.6389	64	67.80	394.2	1.6401
36	28.40	377.4	1.6441	46	38.48	383.9	1.6441	56	51.20	390.2	1.6449	66	67.08	396.2	1.6461
38	28.15	379.2	1.6499	48	38.13	385.8	1.6500	58	50.70	392.1	1.6509	68	66.38	398.3	1.6522
40	27.91	381.0	1.6558	50	37.79	387.6	1.6559	60	50.22	394.1	1.6568	70	65.70	400.3	1.6581
42	27.67	382.8	1.6616	52	37.45	389.5	1.6617	62	49.75	396.1	1.6626	72	65.05	402.4	1.6641
44	27.44	384.6	1.6673	54	37.13	391.4	1.6675	64	49.29	398.0	1.6685	74	64.41	404.4	1.6700
46	27.21	386.5	1.6731	56	36.81	393.3	1.6733	66	48.84	400.0	1.6743	76	63.79	406.5	1.6759
48	26.99	388.3	1.6788	58	36.49	395.2	1.6790	68	48.41	402.0	1.6801	78	63.19	408.5	1.6817
50	26.77	390.1	1.6845	60	36.19	397.1	1.6847	70	47.98	403.9	1.6858	80	62.60	410.6	1.6875
52	26.56	392.0	1.6902	62	35.89	399.0	1.6904	72	47.57	405.9	1.6915	82	62.03	412.6	1.6932
54	26.35	393.8	1.6958	64	35.60	400.9	1.6961	74	47.17	407.9	1.6972	84	61.48	414.6	1.6990
56	26.14	395.7	1.7015	66	35.31	402.8	1.7017	76	46.77	409.8	1.7029	86	60.94	416.7	1.7047
58	25.94	397.5	1.7071	68	35.03	404.7	1.7073	78	46.39	411.8	1.7085	88	60.41	418.7	1.7103
60	25.74	399.4	1.7127	70	34.76	406.6	1.7129	80	46.01	413.8	1.7141	90	59.89	420.8	1.7160
62	25.55	401.2	1.7182	72	34.49	408.6	1.7185	82	45.64	415.8	1.7197	92	59.39	422.8	1.7216
64	25.36	403.1	1.7238	74	34.23	410.5	1.7240	84	45.28	417.7	1.7253	94	58.90	424.8	1.7272
66	25.18	405.0	1.7293	76	33.97	412.4	1.7296	86	44.92	419.7	1.7308	96	58.42	426.9	1.7327
68	24.99	406.8	1.7348	78	33.71	414.3	1.7351	88	44.58	421.7	1.7363	98	57.95	428.9	1.7382
70	24.81	408.7	1.7402	80	33.47	416.2	1.7405	90	44.24	423.7	1.7418	100	57.49	431.0	1.7437
72	24.64	410.6	1.7457	82	33.22	418.2	1.7460	92	43.91	425.7	1.7472	102	57.04	433.0	1.7492
74	24.46	412.5	1.7511	84	32.98	420.1	1.7514	94	43.58	427.7	1.7527	104	56.60	435.1	1.7547
76	24.29	414.4	1.7566	86	32.75	422.1	1.7568	96	43.26	429.7	1.7581	106	56.17	437.1	1.7601
78	24.12	416.2	1.7620	88	32.52	424.0	1.7622	98	42.94	431.7	1.7635	108	55.74	439.2	1.7655
80	23.96	418.1	1.7674	90	32.29	425.9	1.7676	100	42.64	433.7	1.7689	110	55.33	441.2	1.7709
82	23.80	420.0	1.7727	92	32.07	427.9	1.7730	102	42.33	435.7	1.7742	112	54.92	443.3	1.7763
84	23.64	421.9	1.7781	94	31.85	429.9	1.7783	104	42.04	437.7	1.7796	114	54.52	445.4	1.7816
86	23.48	423.9	1.7834	96	31.63	431.8	1.7836	106	41.75	439.7	1.7849	116	54.13	447.4	1.7869
88	23.33	425.8	1.7887	98	31.42	433.8	1.7889	108	41.46	441.7	1.7902	118	53.75	449.5	1.7922
90	23.17	427.7	1.7940	100	31.21	435.7	1.7942	110	41.18	443.7	1.7955	120	53.37	451.6	1.7975
92	23.02	429.6	1.7993	102	31.01	437.7	1.7995	112	40.90	445.7	1.8007	122	53.00	453.7	1.8028
94	22.88	431.5	1.8046	104	30.80	439.7	1.8047	114	40.63	447.8	1.8060	124	52.64	455.7	1.8080
96	22.73	433.5	1.8098	106	30.60	441.7	1.8100	116	40.36	449.8	1.8112	126	52.28	457.8	1.8133
98	22.59	435.4	1.8151	108	30.41	443.7	1.8152	118	40.10	451.8	1.8164	128	51.93	459.9	1.8185
100	22.44	437.4	1.8203	110	30.22	445.7	1.8204	120	39.84	453.9	1.8216	130	51.59	462.0	1.8237

ISCEON®79

Superheated Vapour Properties

Standard state of liquid at 0°C, Enthalpy = 200 kJ/kg, Entropy = 1.0 kJ/kg.K. Dew point pressures quoted

40°C (18.105 bar)				50°C (22.880 bar)				60°C (28.628 bar)				70°C (35.244 bar)			
Temp. °C	Density (kg/m³)	Enthalpy (kJ/kg)	Entropy (kJ/kg.K)	Temp. °C	Density (kg/m³)	Enthalpy (kJ/kg)	Entropy (kJ/kg.K)	Temp. °C	Density (kg/m³)	Enthalpy (kJ/kg)	Entropy (kJ/kg.K)	Temp. °C	Density (kg/m³)	Enthalpy (kJ/kg)	Entropy (kJ/kg.K)
40	116.17	360.5	1.5218	50	158.57	361.6	1.5140	60	225.41	359.6	1.4986	70	405.89	344.2	1.4458
42	113.39	363.1	1.5301	52	153.22	364.8	1.5238	62	212.36	364.2	1.5123	72	318.50	358.5	1.4875
44	110.86	365.6	1.5382	54	148.63	367.8	1.5331	64	202.63	368.2	1.5241	74	289.65	365.1	1.5065
46	108.55	368.1	1.5460	56	144.60	370.7	1.5419	66	194.81	371.7	1.5346	76	271.20	370.2	1.5211
48	106.43	370.6	1.5536	58	141.01	373.4	1.5503	68	188.24	375.1	1.5444	78	257.51	374.6	1.5336
50	104.45	373.0	1.5610	60	137.77	376.1	1.5584	70	182.57	378.2	1.5536	80	246.59	378.5	1.5446
52	102.61	375.3	1.5683	62	134.82	378.8	1.5662	72	177.58	381.2	1.5623	82	237.50	382.1	1.5548
54	100.89	377.6	1.5754	64	132.10	381.3	1.5738	74	173.12	384.1	1.5707	84	229.72	385.5	1.5644
56	99.26	379.9	1.5824	66	129.58	383.8	1.5813	76	169.08	386.9	1.5788	86	222.90	388.7	1.5734
58	97.73	382.2	1.5893	68	127.24	386.3	1.5886	78	165.40	389.6	1.5866	88	216.85	391.8	1.5820
60	96.28	384.5	1.5961	70	125.05	388.8	1.5957	80	162.00	392.3	1.5942	90	211.40	394.8	1.5903
62	94.90	386.7	1.6028	72	122.99	391.2	1.6027	82	158.86	394.9	1.6016	92	206.45	397.7	1.5983
64	93.59	388.9	1.6094	74	121.04	393.5	1.6095	84	155.94	397.5	1.6088	94	201.92	400.6	1.6061
66	92.34	391.1	1.6160	76	119.21	395.9	1.6163	86	153.21	400.1	1.6159	96	197.74	403.4	1.6136
68	91.14	393.3	1.6224	78	117.46	398.2	1.6230	88	150.64	402.6	1.6229	98	193.87	406.1	1.6210
70	89.99	395.5	1.6288	80	115.81	400.5	1.6296	90	148.22	405.1	1.6297	100	190.26	408.8	1.6282
72	88.89	397.7	1.6351	82	114.23	402.8	1.6361	92	145.93	407.5	1.6365	102	186.88	411.4	1.6353
74	87.83	399.8	1.6413	84	112.72	405.1	1.6425	94	143.76	409.9	1.6431	104	183.70	414.0	1.6423
76	86.81	402.0	1.6475	86	111.27	407.4	1.6488	96	141.70	412.4	1.6497	106	180.71	416.6	1.6491
78	85.83	404.2	1.6537	88	109.89	409.7	1.6551	98	139.74	414.7	1.6561	108	177.88	419.2	1.6558
80	84.88	406.3	1.6597	90	108.56	411.9	1.6613	100	137.86	417.1	1.6625	110	175.19	421.7	1.6624
82	83.97	408.4	1.6658	92	107.28	414.2	1.6675	102	136.07	419.5	1.6688	112	172.64	424.2	1.6690
84	83.08	410.6	1.6718	94	106.04	416.4	1.6736	104	134.35	421.8	1.6751	114	170.22	426.7	1.6754
86	82.22	412.7	1.6777	96	104.86	418.6	1.6796	106	132.70	424.2	1.6813	116	167.90	429.2	1.6818
88	81.39	414.8	1.6836	98	103.71	420.8	1.6856	108	131.11	426.5	1.6874	118	165.68	431.6	1.6881
90	80.58	416.9	1.6895	100	102.60	423.1	1.6916	110	129.58	428.8	1.6935	120	163.56	434.1	1.6943
92	79.802	419.1	1.6953	102	101.53	425.3	1.6975	112	128.11	431.1	1.6995	122	161.52	436.5	1.7005
94	79.041	421.2	1.7011	104	100.49	427.5	1.7033	114	126.69	433.4	1.7054	124	159.56	438.9	1.7066
96	78.302	423.3	1.7068	106	99.48	429.7	1.7092	116	125.32	435.7	1.7114	126	157.68	441.3	1.7126
98	77.582	425.4	1.7126	108	98.50	431.9	1.7150	118	124.00	438.0	1.7172	128	155.87	443.7	1.7186
100	76.882	427.5	1.7182	110	97.56	434.1	1.7207	120	122.71	440.3	1.7231	130	154.12	446.1	1.7246
102	76.199	429.6	1.7239	112	96.63	436.3	1.7264	122	121.47	442.6	1.7289	132	152.43	448.5	1.7305
104	75.534	431.8	1.7295	114	95.74	438.5	1.7321	124	120.27	444.9	1.7346	134	150.8	450.9	1.7363
106	74.886	433.9	1.7351	116	94.87	440.6	1.7377	126	119.10	447.1	1.7403	136	149.22	453.2	1.7421
108	74.252	436.0	1.7407	118	94.02	442.8	1.7433	128	117.96	449.4	1.7460	138	147.69	455.6	1.7479
110	73.634	438.1	1.7462	120	93.19	445.0	1.7489	130	116.86	451.7	1.7516	140	146.21	458.0	1.7536
112	73.031	440.2	1.7517	122	92.38	447.2	1.7545	132	115.78	453.9	1.7572	142	144.78	460.3	1.7593
114	72.44	442.3	1.7572	124	91.60	449.4	1.7600	134	114.74	456.2	1.7628	144	143.38	462.7	1.7649
116	71.864	444.4	1.7626	126	90.83	451.6	1.7655	136	113.72	458.5	1.7683	146	142.03	465.0	1.7705
118	71.299	446.6	1.7681	128	90.08	453.8	1.7709	138	112.73	460.7	1.7738	148	140.71	467.3	1.7761
120	70.75	448.7	1.7735	130	89.35	455.9	1.7764	140	111.77	463.0	1.7793	150	139.43	469.7	1.7816
122	70.21	450.8	1.7788	132	88.63	458.1	1.7818	142	110.82	465.2	1.7848	152	138.19	472.0	1.7871
124	69.68	452.9	1.7842	134	87.93	460.3	1.7872	144	109.90	467.5	1.7902	154	136.97	474.3	1.7926
126	69.16	455.1	1.7895	136	87.25	462.5	1.7925	146	109.01	469.8	1.7956	156	135.79	476.7	1.7980
128	68.65	457.2	1.7949	138	86.58	464.7	1.7978	148	108.13	472.0	1.8009	158	134.64	479.0	1.8034
130	68.15	459.3	1.8002	140	85.93	466.9	1.8032	150	107.27	474.3	1.8063	160	133.51	481.3	1.8088
132	67.66	461.4	1.8054	142	85.28	469.1	1.8084	152	106.43	476.5	1.8116	162	132.41	483.6	1.8142
134	67.183	463.6	1.8107	144	84.66	471.3	1.8137	154	105.61	478.8	1.8169	164	131.34	486.0	1.8195
136	66.712	465.7	1.8159	146	84.04	473.5	1.8190	156	104.81	481.0	1.8222	166	130.29	488.3	1.8248
138	66.25	467.8	1.8211	148	83.44	475.7	1.8242	158	104.03	483.3	1.8274	168	129.27	490.6	1.8301
140	65.797	470.0	1.8263	150	82.84	477.9	1.8294	160	103.26	485.5	1.8326	170	128.27	492.9	1.8353


ISCEON 79
For DX applications
Compatible with traditional lubricants
Rhodia
Pressure= BarA
Enthalpy = Kj / Kg
Entropy = Kj / Kg-K
Density = kg / m3
100.000
10.000
1.000
Pressure (BarA)
140.0
190.0
240.0
290.0
340.0
390.0
440.0
490.0
Enthalpy (Kj / Kg)
70ºC
60ºC
50ºC
40ºC
30ºC
20ºC
10ºC
0ºC
-10ºC
-20ºC
-30ºC
-40ºC
1.54
1.60
1.70
1.76
116.2
86.1
63.9
47.1
34.3
24.5
17.0
11.6
7.5
4.7
density
80ºC
100ºC
120º