



Pressure (psia)	Temp. (°F)	Volume (ft <sup>3</sup> /lbm)		Density (lbm/ft <sup>3</sup> )		Enthalpy (Btu/lbm)			Entropy (Btu/lbm-°R)		Int. Energy (Btu/lbm)		Cp/Cv		Sound Speed (ft/s)	
		Liquid	Vapor	Liquid	Vapor	Liquid	Latent	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor
5	-83.12	0.02646	18.0140	37.80	0.0555	-22.75	192.49	169.74	-0.0570	0.4542	-22.77	153.06	1.5427	1.1814	4279.8	696.0
6	-77.07	0.02662	15.2150	37.57	0.0657	-19.62	191.10	171.48	-0.0488	0.4507	-19.65	154.58	1.5442	1.1812	4206.9	699.7
7	-71.78	0.02677	13.1900	37.36	0.0758	-16.87	189.87	173.00	-0.0417	0.4478	-16.90	155.91	1.5456	1.1811	4143.3	702.8
8	-67.06	0.02690	11.6550	37.18	0.0858	-14.40	188.76	174.36	-0.0354	0.4454	-14.44	157.10	1.5468	1.1812	4086.6	705.4
9	-62.79	0.02702	10.4500	37.01	0.0957	-12.15	187.74	175.59	-0.0297	0.4434	-12.20	158.18	1.5478	1.1814	4035.4	707.7
10	-58.88	0.02713	9.4776	36.86	0.1055	-10.09	186.81	176.72	-0.0245	0.4416	-10.14	159.17	1.5489	1.1816	3988.5	709.7
11	-55.26	0.02723	8.6758	36.72	0.1153	-8.17	185.93	177.76	-0.0198	0.4400	-8.23	160.08	1.5498	1.1819	3945.3	711.5
12	-51.89	0.02733	8.0028	36.59	0.1250	-6.38	185.10	178.72	-0.0154	0.4386	-6.44	160.94	1.5507	1.1823	3905.1	713.0
13	-48.74	0.02743	7.4297	36.46	0.1346	-4.70	184.33	179.63	-0.0113	0.4373	-4.76	161.74	1.5516	1.1826	3867.5	714.5
14	-45.77	0.02752	6.9355	36.34	0.1442	-3.11	183.59	180.48	-0.0074	0.4361	-3.18	162.50	1.5524	1.1830	3832.0	715.7
15	-42.97	0.02760	6.5048	36.23	0.1537	-1.60	182.88	181.28	-0.0038	0.4351	-1.68	163.22	1.5532	1.1835	3798.6	716.9
16	-40.30	0.02768	6.1259	36.12	0.1632	-0.16	182.21	182.05	-0.0004	0.4341	-0.25	163.90	1.5540	1.1839	3766.8	717.9
17	-37.76	0.02776	5.7899	36.02	0.1727	1.21	181.56	182.77	0.0029	0.4332	1.12	164.54	1.5548	1.1844	3736.6	718.9
18	-35.34	0.02784	5.4899	35.92	0.1822	2.52	180.94	183.46	0.0060	0.4324	2.43	165.16	1.5555	1.1849	3707.7	719.7
19	-33.02	0.02791	5.2202	35.83	0.1916	3.79	180.34	184.13	0.0089	0.4316	3.69	165.76	1.5562	1.1854	3680.1	720.5
20	-30.79	0.02798	4.9765	35.74	0.2009	5.00	179.76	184.76	0.0117	0.4309	4.90	166.33	1.5569	1.1859	3653.5	721.2
21	-28.64	0.02805	4.7551	35.65	0.2103	6.18	179.19	185.37	0.0145	0.4302	6.07	166.88	1.5576	1.1864	3628.0	721.9
22	-26.57	0.02812	4.5531	35.56	0.2196	7.31	178.65	185.96	0.0171	0.4296	7.20	167.41	1.5583	1.1869	3603.4	722.5
23	-24.58	0.02818	4.3680	35.48	0.2289	8.41	178.11	186.52	0.0196	0.4290	8.29	167.92	1.5590	1.1875	3579.7	723.1
24	-22.65	0.02825	4.1976	35.40	0.2382	9.47	177.60	187.07	0.0220	0.4284	9.35	168.42	1.5597	1.1880	3556.7	723.6
25	-20.78	0.02831	4.0404	35.32	0.2475	10.51	177.09	187.60	0.0244	0.4279	10.38	168.90	1.5603	1.1886	3534.5	724.1
26	-18.96	0.02837	3.8948	35.25	0.2568	11.51	176.60	188.11	0.0266	0.4274	11.38	169.36	1.5610	1.1892	3512.9	724.5
27	-17.20	0.02843	3.7596	35.17	0.2660	12.49	176.12	188.61	0.0288	0.4269	12.35	169.81	1.5616	1.1898	3492.0	724.9
28	-15.49	0.02849	3.6336	35.10	0.2752	13.44	175.65	189.09	0.0310	0.4264	13.29	170.25	1.5622	1.1903	3471.6	725.3
29	-13.82	0.02855	3.5160	35.03	0.2844	14.37	175.19	189.56	0.0331	0.4260	14.22	170.68	1.5629	1.1909	3451.8	725.6
30	-12.20	0.02860	3.4059	34.96	0.2936	15.28	174.74	190.02	0.0351	0.4256	15.12	171.09	1.5635	1.1915	3432.5	725.9
31	-10.62	0.02866	3.3026	34.90	0.3028	16.16	174.30	190.46	0.0370	0.4252	16.00	171.50	1.5641	1.1921	3413.7	726.2
32	-9.08	0.02871	3.2056	34.83	0.3120	17.03	173.86	190.89	0.0390	0.4248	16.86	171.90	1.5647	1.1928	3395.3	726.4
33	-7.57	0.02876	3.1142	34.77	0.3211	17.88	173.43	191.31	0.0408	0.4244	17.70	172.28	1.5653	1.1934	3377.4	726.7
34	-6.10	0.02882	3.0279	34.70	0.3303	18.71	173.01	191.72	0.0426	0.4241	18.53	172.66	1.5659	1.1940	3359.9	726.9
35	-4.66	0.02887	2.9464	34.64	0.3394	19.52	172.60	192.12	0.0444	0.4238	19.33	173.03	1.5665	1.1946	3342.8	727.1
36	-3.25	0.02892	2.8692	34.58	0.3485	20.32	172.20	192.52	0.0462	0.4234	20.13	173.39	1.5671	1.1953	3326.0	727.2
37	-1.87	0.02897	2.7960	34.52	0.3577	21.10	171.80	192.90	0.0479	0.4231	20.90	173.74	1.5677	1.1959	3309.6	727.4
38	-0.52	0.02902	2.7265	34.46	0.3668	21.87	171.41	193.28	0.0495	0.4228	21.66	174.09	1.5683	1.1965	3293.5	727.5
39	0.81	0.02907	2.6604	34.41	0.3759	22.62	171.02	193.64	0.0511	0.4226	22.41	174.43	1.5689	1.1972	3277.7	727.6
40	2.11	0.02911	2.5975	34.35	0.3850	23.36	170.64	194.00	0.0527	0.4223	23.15	174.76	1.5695	1.1978	3262.2	727.7
41	3.38	0.02916	2.5376	34.29	0.3941	24.09	170.26	194.35	0.0543	0.4220	23.87	175.09	1.5701	1.1985	3247.1	727.8
42	4.63	0.02921	2.4804	34.24	0.4032	24.81	169.89	194.70	0.0558	0.4218	24.58	175.41	1.5707	1.1991	3232.1	727.9
43	5.86	0.02925	2.4257	34.18	0.4123	25.51	169.53	195.04	0.0573	0.4215	25.28	175.72	1.5713	1.1998	3217.5	727.9
44	7.07	0.02930	2.3734	34.13	0.4213	26.21	169.16	195.37	0.0588	0.4213	25.97	176.03	1.5718	1.2005	3203.1	728.0



Pressure (psia)	Temp. (°F)	Volume (ft <sup>3</sup> /lbm)		Density (lbm/ft <sup>3</sup> )		Enthalpy (Btu/lbm)			Entropy (Btu/lbm-°R)		Int. Energy (Btu/lbm)		Cp/Cv		Sound Speed (ft/s)	
		Liquid	Vapor	Liquid	Vapor	Liquid	Latent	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor
45	8.26	0.02934	2.3234	34.08	0.4304	26.89	168.81	195.70	0.0603	0.4210	26.65	176.34	1.5724	1.2011	3188.9	728.0
46	9.43	0.02939	2.2754	34.03	0.4395	27.56	168.46	196.02	0.0617	0.4208	27.31	176.63	1.5730	1.2018	3175.0	728.0
47	10.58	0.02943	2.2294	33.98	0.4486	28.23	168.10	196.33	0.0631	0.4206	27.97	176.93	1.5736	1.2025	3161.3	728.0
48	11.71	0.02948	2.1852	33.93	0.4576	28.88	167.76	196.64	0.0645	0.4204	28.62	177.22	1.5741	1.2032	3147.8	728.0
49	12.82	0.02952	2.1428	33.88	0.4667	29.53	167.41	196.94	0.0658	0.4202	29.26	177.50	1.5747	1.2038	3134.5	728.0
50	13.92	0.02956	2.1020	33.83	0.4757	30.16	167.08	197.24	0.0672	0.4200	29.89	177.78	1.5753	1.2045	3121.5	728.0
51	14.99	0.02960	2.0627	33.78	0.4848	30.79	166.74	197.53	0.0685	0.4198	30.51	178.05	1.5759	1.2052	3108.6	728.0
52	16.06	0.02965	2.0249	33.73	0.4939	31.41	166.41	197.82	0.0698	0.4196	31.12	178.33	1.5765	1.2059	3095.9	727.9
53	17.11	0.02969	1.9884	33.68	0.5029	32.02	166.09	198.11	0.0710	0.4194	31.73	178.59	1.5770	1.2066	3083.3	727.9
54	18.14	0.02973	1.9532	33.64	0.5120	32.63	165.77	198.39	0.0723	0.4192	32.33	178.86	1.5776	1.2073	3071.0	727.8
55	19.16	0.02977	1.9193	33.59	0.5210	33.22	165.44	198.66	0.0735	0.4190	32.92	179.12	1.5782	1.2080	3058.8	727.7
56	20.17	0.02981	1.8865	33.55	0.5301	33.81	165.12	198.93	0.0748	0.4189	33.50	179.37	1.5788	1.2087	3046.8	727.7
57	21.16	0.02985	1.8548	33.50	0.5391	34.39	164.81	199.20	0.0760	0.4187	34.08	179.62	1.5793	1.2094	3034.9	727.6
58	22.14	0.02989	1.8242	33.46	0.5482	34.97	164.49	199.46	0.0771	0.4186	34.65	179.87	1.5799	1.2102	3023.2	727.5
59	23.11	0.02993	1.7945	33.41	0.5572	35.54	164.18	199.72	0.0783	0.4184	35.21	180.12	1.5805	1.2109	3011.6	727.4
60	24.06	0.02997	1.7659	33.37	0.5663	36.10	163.88	199.98	0.0795	0.4182	35.77	180.36	1.5811	1.2116	3000.2	727.3
61	25.00	0.03001	1.7381	33.32	0.5754	36.66	163.57	200.23	0.0806	0.4181	36.32	180.60	1.5816	1.2123	2988.9	727.1
62	25.93	0.03005	1.7111	33.28	0.5844	37.21	163.27	200.48	0.0817	0.4179	36.86	180.83	1.5822	1.2130	2977.8	727.0
63	26.86	0.03009	1.6850	33.24	0.5935	37.75	162.98	200.73	0.0828	0.4178	37.40	181.07	1.5828	1.2138	2966.8	726.9
64	27.76	0.03012	1.6597	33.20	0.6025	38.29	162.68	200.97	0.0839	0.4177	37.94	181.30	1.5834	1.2145	2955.9	726.8
65	28.66	0.03016	1.6351	33.16	0.6116	38.83	162.38	201.21	0.0850	0.4175	38.47	181.53	1.5839	1.2152	2945.1	726.6
66	29.55	0.03020	1.6112	33.11	0.6207	39.36	162.08	201.44	0.0861	0.4174	38.99	181.75	1.5845	1.2160	2934.4	726.5
67	30.43	0.03024	1.5880	33.07	0.6297	39.88	161.79	201.67	0.0871	0.4173	39.51	181.97	1.5851	1.2167	2923.9	726.3
68	31.30	0.03027	1.5655	33.03	0.6388	40.40	161.50	201.90	0.0882	0.4171	40.02	182.19	1.5857	1.2175	2913.5	726.2
69	32.16	0.03031	1.5436	32.99	0.6479	40.91	161.22	202.13	0.0892	0.4170	40.53	182.41	1.5863	1.2182	2903.2	726.0
70	33.01	0.03035	1.5223	32.95	0.6569	41.42	160.93	202.35	0.0902	0.4169	41.03	182.62	1.5868	1.2190	2893.0	725.8
71	33.85	0.03038	1.5015	32.91	0.6660	41.93	160.66	202.58	0.0913	0.4168	41.53	182.83	1.5874	1.2197	2882.9	725.7
72	34.68	0.03042	1.4813	32.87	0.6751	42.42	160.37	202.79	0.0923	0.4167	42.02	183.04	1.5880	1.2205	2872.9	725.5
73	35.51	0.03046	1.4617	32.83	0.6842	42.92	160.09	203.01	0.0932	0.4165	42.51	183.25	1.5886	1.2213	2863.0	725.3
74	36.32	0.03049	1.4425	32.80	0.6932	43.41	159.81	203.22	0.0942	0.4164	42.99	183.46	1.5892	1.2220	2853.2	725.1
75	37.13	0.03053	1.4239	32.76	0.7023	43.90	159.53	203.43	0.0952	0.4163	43.47	183.66	1.5898	1.2228	2843.5	724.9
76	37.93	0.03056	1.4057	32.72	0.7114	44.38	159.26	203.64	0.0961	0.4162	43.95	183.86	1.5904	1.2236	2833.9	724.7
77	38.72	0.03060	1.3879	32.68	0.7205	44.86	158.99	203.85	0.0971	0.4161	44.42	184.06	1.5910	1.2243	2824.4	724.5
78	39.51	0.03063	1.3706	32.64	0.7296	45.33	158.72	204.05	0.0980	0.4160	44.89	184.25	1.5916	1.2251	2814.9	724.3
79	40.28	0.03067	1.3538	32.61	0.7387	45.80	158.45	204.25	0.0990	0.4159	45.35	184.45	1.5922	1.2259	2805.6	724.1
80	41.05	0.03070	1.3373	32.57	0.7478	46.27	158.18	204.45	0.0999	0.4158	45.81	184.64	1.5927	1.2267	2796.3	723.9
81	41.81	0.03074	1.3212	32.53	0.7569	46.73	157.92	204.65	0.1008	0.4157	46.27	184.83	1.5933	1.2275	2787.2	723.7
82	42.57	0.03077	1.3055	32.50	0.7660	47.19	157.65	204.84	0.1017	0.4156	46.72	185.02	1.5939	1.2283	2778.1	723.5
83	43.32	0.03081	1.2901	32.46	0.7751	47.65	157.38	205.03	0.1026	0.4155	47.17	185.21	1.5945	1.2291	2769.1	723.3
84	44.06	0.03084	1.2751	32.42	0.7843	48.10	157.13	205.23	0.1035	0.4154	47.62	185.39	1.5951	1.2299	2760.1	723.0



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		Liquid	Vapor	Liquid	Vapor	Liquid	Latent	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor
85	44.80	0.03088	1.2604	32.39	0.7934	48.55	156.86	205.41	0.1044	0.4153	48.06	185.57	1.5957	1.2307	2751.3	722.8
86	45.52	0.03091	1.2461	32.35	0.8025	48.99	156.61	205.60	0.1052	0.4152	48.50	185.76	1.5964	1.2315	2742.5	722.6
87	46.25	0.03094	1.2321	32.32	0.8116	49.44	156.34	205.78	0.1061	0.4151	48.94	185.94	1.5970	1.2323	2733.8	722.3
88	46.96	0.03098	1.2184	32.28	0.8208	49.88	156.09	205.97	0.1070	0.4151	49.37	186.11	1.5976	1.2331	2725.1	722.1
89	47.67	0.03101	1.2049	32.25	0.8299	50.31	155.84	206.15	0.1078	0.4150	49.80	186.29	1.5982	1.2339	2716.5	721.9
90	48.38	0.03104	1.1918	32.21	0.8391	50.75	155.59	206.33	0.1087	0.4149	50.23	186.47	1.5988	1.2347	2708.0	721.6
91	49.08	0.03108	1.1789	32.18	0.8482	51.18	155.33	206.50	0.1095	0.4148	50.65	186.64	1.5994	1.2356	2699.6	721.4
92	49.77	0.03111	1.1663	32.15	0.8574	51.60	155.08	206.68	0.1103	0.4147	51.07	186.81	1.6000	1.2364	2691.2	721.1
93	50.46	0.03114	1.1540	32.11	0.8666	52.03	154.82	206.85	0.1111	0.4146	51.49	186.98	1.6006	1.2372	2682.9	720.9
94	51.14	0.03118	1.1419	32.08	0.8757	52.45	154.58	207.03	0.1120	0.4146	51.91	187.15	1.6013	1.2380	2674.7	720.6
95	51.82	0.03121	1.1301	32.04	0.8849	52.87	154.33	207.20	0.1128	0.4145	52.32	187.32	1.6019	1.2389	2666.5	720.3
96	52.49	0.03124	1.1185	32.01	0.8941	53.28	154.08	207.36	0.1136	0.4144	52.73	187.48	1.6025	1.2397	2658.4	720.1
97	53.16	0.03127	1.1071	31.98	0.9033	53.70	153.83	207.53	0.1144	0.4143	53.13	187.65	1.6031	1.2406	2650.3	719.8
98	53.82	0.03131	1.0959	31.94	0.9125	54.11	153.59	207.70	0.1151	0.4143	53.54	187.81	1.6038	1.2414	2642.3	719.6
99	54.48	0.03134	1.0850	31.91	0.9217	54.51	153.35	207.86	0.1159	0.4142	53.94	187.97	1.6044	1.2423	2634.3	719.3
100	55.13	0.03137	1.0742	31.88	0.9309	54.92	153.10	208.02	0.1167	0.4141	54.34	188.13	1.6050	1.2431	2626.4	719.0
101	55.77	0.03140	1.0637	31.85	0.9401	55.32	152.86	208.18	0.1175	0.4140	54.74	188.29	1.6057	1.2440	2618.6	718.7
102	56.42	0.03143	1.0534	31.81	0.9493	55.72	152.62	208.34	0.1182	0.4140	55.13	188.45	1.6063	1.2448	2610.8	718.5
103	57.05	0.03147	1.0432	31.78	0.9586	56.12	152.38	208.50	0.1190	0.4139	55.52	188.60	1.6069	1.2457	2603.1	718.2
104	57.69	0.03150	1.0333	31.75	0.9678	56.52	152.14	208.66	0.1198	0.4138	55.91	188.76	1.6076	1.2466	2595.4	717.9
105	58.32	0.03153	1.0235	31.72	0.9770	56.91	151.90	208.81	0.1205	0.4138	56.30	188.91	1.6082	1.2474	2587.8	717.6
106	58.94	0.03156	1.0139	31.69	0.9863	57.30	151.67	208.97	0.1212	0.4137	56.68	189.06	1.6089	1.2483	2580.2	717.3
107	59.56	0.03159	1.0045	31.65	0.9955	57.69	151.43	209.12	0.1220	0.4136	57.06	189.22	1.6095	1.2492	2572.7	717.0
108	60.18	0.03162	0.9952	31.62	1.0048	58.08	151.19	209.27	0.1227	0.4136	57.44	189.37	1.6102	1.2501	2565.2	716.7
109	60.79	0.03165	0.9861	31.59	1.0141	58.46	150.96	209.42	0.1234	0.4135	57.82	189.51	1.6108	1.2510	2557.8	716.4
110	61.39	0.03169	0.9772	31.56	1.0233	58.84	150.73	209.57	0.1242	0.4134	58.20	189.66	1.6115	1.2519	2550.4	716.1
111	62.00	0.03172	0.9684	31.53	1.0326	59.22	150.49	209.71	0.1249	0.4134	58.57	189.81	1.6121	1.2527	2543.1	715.8
112	62.60	0.03175	0.9598	31.50	1.0419	59.60	150.26	209.86	0.1256	0.4133	58.94	189.95	1.6128	1.2536	2535.8	715.5
113	63.19	0.03178	0.9513	31.47	1.0512	59.98	150.02	210.00	0.1263	0.4132	59.31	190.10	1.6135	1.2545	2528.6	715.2
114	63.78	0.03181	0.9430	31.44	1.0605	60.35	149.80	210.15	0.1270	0.4132	59.68	190.24	1.6141	1.2555	2521.4	714.9
115	64.37	0.03184	0.9347	31.41	1.0698	60.72	149.57	210.29	0.1277	0.4131	60.05	190.38	1.6148	1.2564	2514.2	714.6
116	64.96	0.03187	0.9267	31.38	1.0791	61.09	149.34	210.43	0.1284	0.4131	60.41	190.52	1.6155	1.2573	2507.1	714.3
117	65.54	0.03190	0.9187	31.35	1.0885	61.46	149.11	210.57	0.1291	0.4130	60.77	190.66	1.6161	1.2582	2500.0	714.0
118	66.11	0.03193	0.9109	31.32	1.0978	61.83	148.88	210.71	0.1298	0.4129	61.13	190.80	1.6168	1.2591	2493.0	713.7
119	66.69	0.03196	0.9032	31.29	1.1071	62.19	148.65	210.84	0.1305	0.4129	61.49	190.94	1.6175	1.2600	2486.0	713.4
120	67.25	0.03199	0.8957	31.26	1.1165	62.56	148.42	210.98	0.1311	0.4128	61.85	191.08	1.6182	1.2610	2479.1	713.1
121	67.82	0.03202	0.8882	31.23	1.1259	62.92	148.20	211.12	0.1318	0.4128	62.20	191.21	1.6188	1.2619	2472.2	712.8
122	68.38	0.03205	0.8809	31.20	1.1352	63.28	147.97	211.25	0.1325	0.4127	62.55	191.35	1.6195	1.2628	2465.3	712.4
123	68.94	0.03208	0.8737	31.17	1.1446	63.63	147.75	211.38	0.1331	0.4127	62.90	191.48	1.6202	1.2638	2458.5	712.1
124	69.50	0.03211	0.8666	31.14	1.1540	63.99	147.52	211.51	0.1338	0.4126	63.25	191.62	1.6209	1.2647	2451.7	711.8



Pressure (psia)	Temp. (°F)	Volume (ft <sup>3</sup> /lbm)		Density (lbm/ft <sup>3</sup> )		Enthalpy (Btu/lbm)			Entropy (Btu/lbm-°R)		Int. Energy (Btu/lbm)		Cp/Cv		Sound Speed (ft/s)	
		Liquid	Vapor	Liquid	Vapor	Liquid	Latent	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor
125	70.05	0.03215	0.8596	31.11	1.1634	64.34	147.31	211.65	0.1345	0.4125	63.60	191.75	1.6216	1.2657	2445.0	711.5
126	70.60	0.03218	0.8527	31.08	1.1728	64.69	147.08	211.77	0.1351	0.4125	63.94	191.88	1.6223	1.2666	2438.3	711.2
127	71.15	0.03221	0.8459	31.05	1.1822	65.05	146.86	211.90	0.1358	0.4124	64.29	192.01	1.6230	1.2676	2431.6	710.8
128	71.69	0.03224	0.8392	31.02	1.1916	65.39	146.64	212.03	0.1364	0.4124	64.63	192.14	1.6237	1.2686	2424.9	710.5
129	72.23	0.03226	0.8326	30.99	1.2010	65.74	146.42	212.16	0.1371	0.4123	64.97	192.27	1.6244	1.2695	2418.3	710.2
130	72.77	0.03229	0.8261	30.97	1.2105	66.09	146.19	212.28	0.1377	0.4123	65.31	192.40	1.6251	1.2705	2411.8	709.8
131	73.30	0.03232	0.8197	30.94	1.2199	66.43	145.98	212.41	0.1383	0.4122	65.65	192.52	1.6258	1.2715	2405.2	709.5
132	73.83	0.03235	0.8134	30.91	1.2294	66.77	145.76	212.53	0.1390	0.4122	65.98	192.65	1.6265	1.2724	2398.7	709.2
133	74.36	0.03238	0.8072	30.88	1.2388	67.11	145.54	212.65	0.1396	0.4121	66.32	192.77	1.6272	1.2734	2392.3	708.8
134	74.88	0.03241	0.8011	30.85	1.2483	67.45	145.33	212.78	0.1402	0.4121	66.65	192.90	1.6279	1.2744	2385.8	708.5
135	75.41	0.03244	0.7950	30.82	1.2578	67.79	145.11	212.90	0.1408	0.4120	66.98	193.02	1.6287	1.2754	2379.4	708.2
136	75.93	0.03247	0.7891	30.80	1.2673	68.13	144.89	213.02	0.1414	0.4120	67.31	193.14	1.6294	1.2764	2373.0	707.8
137	76.44	0.03250	0.7832	30.77	1.2768	68.46	144.67	213.13	0.1421	0.4119	67.64	193.27	1.6301	1.2774	2366.7	707.5
138	76.96	0.03253	0.7774	30.74	1.2863	68.80	144.45	213.25	0.1427	0.4119	67.97	193.39	1.6308	1.2784	2360.4	707.1
139	77.47	0.03256	0.7717	30.71	1.2958	69.13	144.24	213.37	0.1433	0.4118	68.29	193.51	1.6316	1.2794	2354.1	706.8
140	77.98	0.03259	0.7661	30.68	1.3054	69.46	144.03	213.49	0.1439	0.4118	68.62	193.63	1.6323	1.2804	2347.9	706.4
141	78.48	0.03262	0.7605	30.66	1.3149	69.79	143.81	213.60	0.1445	0.4117	68.94	193.74	1.6331	1.2814	2341.7	706.1
142	78.98	0.03265	0.7550	30.63	1.3244	70.12	143.60	213.72	0.1451	0.4117	69.26	193.86	1.6338	1.2825	2335.5	705.8
143	79.48	0.03268	0.7496	30.60	1.3340	70.45	143.39	213.83	0.1457	0.4116	69.58	193.98	1.6345	1.2835	2329.3	705.4
144	79.98	0.03271	0.7443	30.57	1.3436	70.77	143.17	213.94	0.1463	0.4116	69.90	194.10	1.6353	1.2845	2323.2	705.1
145	80.48	0.03274	0.7390	30.55	1.3531	71.09	142.96	214.05	0.1469	0.4115	70.22	194.21	1.6360	1.2856	2317.1	704.7
146	80.97	0.03277	0.7338	30.52	1.3627	71.42	142.75	214.17	0.1474	0.4115	70.53	194.33	1.6368	1.2866	2311.0	704.3
147	81.46	0.03280	0.7287	30.49	1.3723	71.74	142.54	214.28	0.1480	0.4114	70.85	194.44	1.6376	1.2877	2305.0	704.0
148	81.95	0.03282	0.7236	30.47	1.3819	72.06	142.33	214.39	0.1486	0.4114	71.16	194.55	1.6383	1.2887	2299.0	703.6
149	82.43	0.03285	0.7186	30.44	1.3916	72.38	142.11	214.49	0.1492	0.4113	71.47	194.67	1.6391	1.2898	2293.0	703.3
150	82.92	0.03288	0.7137	30.41	1.4012	72.70	141.90	214.60	0.1498	0.4113	71.78	194.78	1.6398	1.2908	2287.0	702.9
151	83.40	0.03291	0.7088	30.39	1.4108	73.01	141.70	214.71	0.1503	0.4113	72.09	194.89	1.6406	1.2919	2281.1	702.6
152	83.88	0.03294	0.7040	30.36	1.4205	73.33	141.48	214.81	0.1509	0.4112	72.40	195.00	1.6414	1.2930	2275.2	702.2
153	84.35	0.03297	0.6992	30.33	1.4301	73.64	141.28	214.92	0.1515	0.4112	72.71	195.11	1.6422	1.2940	2269.3	701.8
154	84.83	0.03300	0.6945	30.31	1.4398	73.96	141.07	215.03	0.1520	0.4111	73.02	195.22	1.6429	1.2951	2263.4	701.5
155	85.30	0.03303	0.6899	30.28	1.4495	74.27	140.86	215.13	0.1526	0.4111	73.32	195.33	1.6437	1.2962	2257.6	701.1
156	85.77	0.03306	0.6853	30.25	1.4592	74.58	140.65	215.23	0.1532	0.4110	73.62	195.44	1.6445	1.2973	2251.8	700.8
157	86.24	0.03308	0.6808	30.23	1.4689	74.89	140.44	215.33	0.1537	0.4110	73.93	195.54	1.6453	1.2984	2246.0	700.4
158	86.70	0.03311	0.6763	30.20	1.4786	75.20	140.24	215.44	0.1543	0.4109	74.23	195.65	1.6461	1.2995	2240.3	700.0
159	87.16	0.03314	0.6719	30.17	1.4883	75.50	140.04	215.54	0.1548	0.4109	74.53	195.76	1.6469	1.3006	2234.5	699.7
160	87.63	0.03317	0.6675	30.15	1.4981	75.81	139.83	215.64	0.1554	0.4109	74.83	195.86	1.6477	1.3017	2228.8	699.3
161	88.08	0.03320	0.6632	30.12	1.5078	76.12	139.62	215.74	0.1559	0.4108	75.13	195.96	1.6485	1.3028	2223.1	698.9
162	88.54	0.03323	0.6590	30.10	1.5176	76.42	139.42	215.84	0.1565	0.4108	75.42	196.07	1.6493	1.3039	2217.5	698.5
163	89.00	0.03326	0.6547	30.07	1.5273	76.72	139.21	215.93	0.1570	0.4107	75.72	196.17	1.6501	1.3051	2211.8	698.2
164	89.45	0.03329	0.6506	30.04	1.5371	77.03	139.01	216.03	0.1575	0.4107	76.01	196.27	1.6509	1.3062	2206.2	697.8



Pressure (psia)	Temp. (°F)	Volume (ft <sup>3</sup> /lbm)		Density (lbm/ft <sup>3</sup> )		Enthalpy (Btu/lbm)			Entropy (Btu/lbm-°R)		Int. Energy (Btu/lbm)		Cp/Cv		Sound Speed (ft/s)	
		Liquid	Vapor	Liquid	Vapor	Liquid	Latent	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor
165	89.90	0.03331	0.6465	30.02	1.5469	77.33	138.80	216.13	0.1581	0.4106	76.31	196.38	1.6518	1.3073	2200.6	697.4
166	90.35	0.03334	0.6424	29.99	1.5567	77.63	138.59	216.22	0.1586	0.4106	76.60	196.48	1.6526	1.3085	2195.1	697.0
167	90.79	0.03337	0.6384	29.97	1.5665	77.93	138.40	216.32	0.1591	0.4106	76.89	196.58	1.6534	1.3096	2189.5	696.7
168	91.24	0.03340	0.6344	29.94	1.5763	78.22	138.19	216.41	0.1597	0.4105	77.18	196.68	1.6542	1.3108	2184.0	696.3
169	91.68	0.03343	0.6305	29.92	1.5862	78.52	137.99	216.51	0.1602	0.4105	77.47	196.78	1.6551	1.3119	2178.5	695.9
170	92.12	0.03346	0.6266	29.89	1.5960	78.82	137.78	216.60	0.1607	0.4104	77.76	196.88	1.6559	1.3131	2173.0	695.5
171	92.56	0.03348	0.6227	29.87	1.6059	79.11	137.59	216.70	0.1612	0.4104	78.05	196.98	1.6567	1.3142	2167.5	695.2
172	93.00	0.03351	0.6189	29.84	1.6158	79.41	137.39	216.79	0.1618	0.4103	78.34	197.08	1.6576	1.3154	2162.1	694.8
173	93.43	0.03354	0.6151	29.81	1.6256	79.70	137.18	216.88	0.1623	0.4103	78.62	197.17	1.6584	1.3166	2156.7	694.4
174	93.87	0.03357	0.6114	29.79	1.6355	79.99	136.98	216.97	0.1628	0.4103	78.91	197.27	1.6593	1.3178	2151.3	694.0
175	94.30	0.03360	0.6077	29.76	1.6454	80.28	136.78	217.06	0.1633	0.4102	79.19	197.37	1.6601	1.3190	2145.9	693.6
176	94.73	0.03363	0.6041	29.74	1.6554	80.57	136.58	217.15	0.1638	0.4102	79.48	197.46	1.6610	1.3202	2140.5	693.2
177	95.15	0.03366	0.6005	29.71	1.6653	80.86	136.38	217.24	0.1643	0.4101	79.76	197.56	1.6619	1.3214	2135.2	692.9
178	95.58	0.03368	0.5969	29.69	1.6752	81.15	136.18	217.33	0.1649	0.4101	80.04	197.65	1.6627	1.3226	2129.9	692.5
179	96.01	0.03371	0.5934	29.66	1.6852	81.44	135.97	217.41	0.1654	0.4101	80.32	197.75	1.6636	1.3238	2124.6	692.1
180	96.43	0.03374	0.5899	29.64	1.6952	81.73	135.78	217.50	0.1659	0.4100	80.60	197.84	1.6645	1.3250	2119.3	691.7
181	96.85	0.03377	0.5865	29.61	1.7051	82.01	135.58	217.59	0.1664	0.4100	80.88	197.93	1.6654	1.3262	2114.0	691.3
182	97.27	0.03380	0.5830	29.59	1.7151	82.30	135.37	217.67	0.1669	0.4099	81.16	198.02	1.6662	1.3275	2108.8	690.9
183	97.69	0.03383	0.5797	29.56	1.7252	82.58	135.18	217.76	0.1674	0.4099	81.43	198.12	1.6671	1.3287	2103.5	690.5
184	98.10	0.03385	0.5763	29.54	1.7352	82.86	134.98	217.84	0.1679	0.4099	81.71	198.21	1.6680	1.3299	2098.3	690.1
185	98.52	0.03388	0.5730	29.51	1.7452	83.15	134.78	217.93	0.1684	0.4098	81.99	198.30	1.6689	1.3312	2093.1	689.7
186	98.93	0.03391	0.5697	29.49	1.7552	83.43	134.58	218.01	0.1688	0.4098	82.26	198.39	1.6698	1.3324	2088.0	689.3
187	99.34	0.03394	0.5665	29.47	1.7653	83.71	134.38	218.09	0.1693	0.4097	82.53	198.48	1.6707	1.3337	2082.8	688.9
188	99.75	0.03397	0.5633	29.44	1.7754	83.99	134.19	218.18	0.1698	0.4097	82.81	198.57	1.6716	1.3350	2077.7	688.6
189	100.16	0.03400	0.5601	29.42	1.7855	84.27	133.99	218.26	0.1703	0.4097	83.08	198.66	1.6725	1.3362	2072.5	688.2
190	100.56	0.03402	0.5569	29.39	1.7956	84.55	133.79	218.34	0.1708	0.4096	83.35	198.74	1.6735	1.3375	2067.4	687.8
191	100.97	0.03405	0.5538	29.37	1.8057	84.82	133.60	218.42	0.1713	0.4096	83.62	198.83	1.6744	1.3388	2062.4	687.4
192	101.37	0.03408	0.5507	29.34	1.8158	85.10	133.40	218.50	0.1718	0.4095	83.89	198.92	1.6753	1.3401	2057.3	687.0
193	101.77	0.03411	0.5477	29.32	1.8259	85.38	133.20	218.58	0.1723	0.4095	84.16	199.01	1.6762	1.3414	2052.2	686.6
194	102.17	0.03414	0.5446	29.29	1.8361	85.65	133.01	218.66	0.1727	0.4095	84.43	199.09	1.6772	1.3427	2047.2	686.2
195	102.57	0.03417	0.5416	29.27	1.8462	85.93	132.81	218.74	0.1732	0.4094	84.69	199.18	1.6781	1.3440	2042.2	685.8
196	102.97	0.03419	0.5387	29.25	1.8564	86.20	132.61	218.81	0.1737	0.4094	84.96	199.26	1.6790	1.3453	2037.2	685.4
197	103.36	0.03422	0.5357	29.22	1.8666	86.47	132.42	218.89	0.1742	0.4093	85.23	199.35	1.6800	1.3467	2032.2	685.0
198	103.76	0.03425	0.5328	29.20	1.8768	86.75	132.23	218.97	0.1746	0.4093	85.49	199.43	1.6809	1.3480	2027.2	684.6
199	104.15	0.03428	0.5299	29.17	1.8870	87.02	132.03	219.05	0.1751	0.4093	85.75	199.52	1.6819	1.3493	2022.3	684.2
200	104.54	0.03431	0.5271	29.15	1.8973	87.29	131.83	219.12	0.1756	0.4092	86.02	199.60	1.6829	1.3507	2017.3	683.7
201	104.93	0.03433	0.5243	29.13	1.9075	87.56	131.64	219.20	0.1760	0.4092	86.28	199.68	1.6838	1.3520	2012.4	683.3
202	105.32	0.03436	0.5214	29.10	1.9178	87.83	131.44	219.27	0.1765	0.4091	86.54	199.77	1.6848	1.3534	2007.5	682.9
203	105.71	0.03439	0.5187	29.08	1.9280	88.10	131.25	219.35	0.1770	0.4091	86.80	199.85	1.6858	1.3547	2002.6	682.5
204	106.09	0.03442	0.5159	29.05	1.9383	88.36	131.06	219.42	0.1774	0.4091	87.06	199.93	1.6868	1.3561	1997.7	682.1

Pressure (psia)	Temp. (°F)	Volume (ft <sup>3</sup> /lbm)		Density (lbm/ft <sup>3</sup> )		Enthalpy (Btu/lbm)			Entropy (Btu/lbm-°R)		Int. Energy (Btu/lbm)		Cp/Cv		Sound Speed (ft/s)	
		Liquid	Vapor	Liquid	Vapor	Liquid	Latent	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor
205	106.48	0.03445	0.5132	29.03	1.9486	88.63	130.86	219.49	0.1779	0.4090	87.32	200.01	1.6877	1.3575	1992.9	681.7
206	106.86	0.03448	0.5105	29.01	1.9589	88.90	130.66	219.56	0.1783	0.4090	87.58	200.09	1.6887	1.3589	1988.0	681.3
207	107.24	0.03450	0.5078	28.98	1.9693	89.16	130.48	219.64	0.1788	0.4090	87.84	200.17	1.6897	1.3603	1983.2	680.9
208	107.62	0.03453	0.5052	28.96	1.9796	89.43	130.28	219.71	0.1793	0.4089	88.10	200.25	1.6907	1.3617	1978.4	680.5
209	108.00	0.03456	0.5025	28.94	1.9900	89.69	130.09	219.78	0.1797	0.4089	88.36	200.33	1.6917	1.3631	1973.5	680.1
210	108.38	0.03459	0.4999	28.91	2.0004	89.96	129.89	219.85	0.1802	0.4088	88.61	200.41	1.6927	1.3645	1968.8	679.7
211	108.75	0.03462	0.4973	28.89	2.0107	90.22	129.70	219.92	0.1806	0.4088	88.87	200.49	1.6937	1.3659	1964.0	679.2
212	109.13	0.03465	0.4948	28.86	2.0211	90.48	129.51	219.99	0.1811	0.4088	89.12	200.57	1.6948	1.3673	1959.2	678.8
213	109.50	0.03467	0.4922	28.84	2.0316	90.75	129.31	220.06	0.1815	0.4087	89.38	200.64	1.6958	1.3688	1954.5	678.4
214	109.87	0.03470	0.4897	28.82	2.0420	91.01	129.12	220.13	0.1820	0.4087	89.63	200.72	1.6968	1.3702	1949.7	678.0
215	110.24	0.03473	0.4872	28.79	2.0524	91.27	128.93	220.20	0.1824	0.4086	89.89	200.80	1.6979	1.3717	1945.0	677.6
216	110.61	0.03476	0.4848	28.77	2.0629	91.53	128.73	220.26	0.1829	0.4086	90.14	200.88	1.6989	1.3731	1940.3	677.2
217	110.98	0.03479	0.4823	28.75	2.0734	91.79	128.54	220.33	0.1833	0.4086	90.39	200.95	1.6999	1.3746	1935.6	676.8
218	111.35	0.03482	0.4799	28.72	2.0839	92.05	128.35	220.40	0.1837	0.4085	90.64	201.03	1.7010	1.3761	1930.9	676.3
219	111.72	0.03484	0.4775	28.70	2.0944	92.30	128.16	220.46	0.1842	0.4085	90.89	201.10	1.7020	1.3776	1926.3	675.9
220	112.08	0.03487	0.4751	28.68	2.1049	92.56	127.97	220.53	0.1846	0.4084	91.14	201.18	1.7031	1.3790	1921.6	675.5
221	112.44	0.03490	0.4727	28.65	2.1154	92.82	127.78	220.60	0.1851	0.4084	91.39	201.25	1.7042	1.3805	1917.0	675.1
222	112.81	0.03493	0.4704	28.63	2.1260	93.08	127.58	220.66	0.1855	0.4084	91.64	201.32	1.7052	1.3820	1912.3	674.7
223	113.17	0.03496	0.4680	28.61	2.1366	93.33	127.40	220.73	0.1859	0.4083	91.89	201.40	1.7063	1.3836	1907.7	674.2
224	113.53	0.03499	0.4657	28.58	2.1472	93.59	127.20	220.79	0.1864	0.4083	92.14	201.47	1.7074	1.3851	1903.1	673.8
225	113.89	0.03501	0.4634	28.56	2.1578	93.84	127.01	220.85	0.1868	0.4083	92.38	201.54	1.7085	1.3866	1898.5	673.4
226	114.24	0.03504	0.4612	28.54	2.1684	94.10	126.82	220.92	0.1872	0.4082	92.63	201.62	1.7096	1.3881	1893.9	673.0
227	114.60	0.03507	0.4589	28.51	2.1790	94.35	126.63	220.98	0.1877	0.4082	92.88	201.69	1.7107	1.3897	1889.4	672.5
228	114.96	0.03510	0.4567	28.49	2.1897	94.60	126.44	221.04	0.1881	0.4081	93.12	201.76	1.7118	1.3912	1884.8	672.1
229	115.31	0.03513	0.4545	28.47	2.2003	94.86	126.25	221.10	0.1885	0.4081	93.37	201.83	1.7129	1.3928	1880.3	671.7
230	115.66	0.03516	0.4523	28.44	2.2110	95.11	126.05	221.16	0.1890	0.4081	93.61	201.90	1.7140	1.3944	1875.7	671.3
231	116.02	0.03519	0.4501	28.42	2.2217	95.36	125.86	221.22	0.1894	0.4080	93.85	201.97	1.7151	1.3960	1871.2	670.8
232	116.37	0.03521	0.4479	28.40	2.2324	95.61	125.68	221.29	0.1898	0.4080	94.10	202.04	1.7163	1.3975	1866.7	670.4
233	116.72	0.03524	0.4458	28.38	2.2432	95.86	125.49	221.35	0.1902	0.4079	94.34	202.11	1.7174	1.3991	1862.2	670.0
234	117.07	0.03527	0.4437	28.35	2.2539	96.11	125.29	221.40	0.1906	0.4079	94.58	202.18	1.7185	1.4007	1857.7	669.6
235	117.41	0.03530	0.4416	28.33	2.2647	96.36	125.10	221.46	0.1911	0.4079	94.82	202.25	1.7197	1.4024	1853.3	669.1
236	117.76	0.03533	0.4395	28.31	2.2754	96.61	124.91	221.52	0.1915	0.4078	95.06	202.32	1.7208	1.4040	1848.8	668.7
237	118.10	0.03536	0.4374	28.28	2.2862	96.85	124.73	221.58	0.1919	0.4078	95.30	202.38	1.7220	1.4056	1844.3	668.3
238	118.45	0.03539	0.4353	28.26	2.2971	97.10	124.54	221.64	0.1923	0.4077	95.54	202.45	1.7231	1.4073	1839.9	667.8
239	118.79	0.03541	0.4333	28.24	2.3079	97.35	124.35	221.70	0.1927	0.4077	95.78	202.52	1.7243	1.4089	1835.5	667.4
240	119.13	0.03544	0.4313	28.22	2.3187	97.60	124.15	221.75	0.1932	0.4077	96.02	202.59	1.7255	1.4106	1831.1	667.0
241	119.48	0.03547	0.4293	28.19	2.3296	97.84	123.97	221.81	0.1936	0.4076	96.26	202.65	1.7267	1.4122	1826.6	666.5
242	119.82	0.03550	0.4273	28.17	2.3405	98.09	123.78	221.87	0.1940	0.4076	96.50	202.72	1.7279	1.4139	1822.3	666.1
243	120.16	0.03553	0.4253	28.15	2.3514	98.33	123.59	221.92	0.1944	0.4075	96.73	202.78	1.7290	1.4156	1817.9	665.7
244	120.49	0.03556	0.4233	28.12	2.3623	98.58	123.40	221.98	0.1948	0.4075	96.97	202.85	1.7303	1.4173	1813.5	665.2



Pressure (psia)	Temp. (°F)	Volume (ft <sup>3</sup> /lbm)		Density (lbm/ft <sup>3</sup> )		Enthalpy (Btu/lbm)			Entropy (Btu/lbm-°R)		Int. Energy (Btu/lbm)		Cp/Cv		Sound Speed (ft/s)	
		Liquid	Vapor	Liquid	Vapor	Liquid	Latent	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor
245	120.83	0.03559	0.4214	28.10	2.3732	98.82	123.21	222.03	0.1952	0.4075	97.21	202.91	1.7315	1.4190	1809.1	664.8
246	121.17	0.03561	0.4194	28.08	2.3842	99.07	123.03	222.09	0.1956	0.4074	97.44	202.98	1.7327	1.4207	1804.8	664.4
247	121.50	0.03564	0.4175	28.06	2.3952	99.31	122.83	222.14	0.1960	0.4074	97.68	203.04	1.7339	1.4224	1800.4	663.9
248	121.84	0.03567	0.4156	28.03	2.4061	99.55	122.64	222.19	0.1964	0.4073	97.91	203.11	1.7351	1.4242	1796.1	663.5
249	122.17	0.03570	0.4137	28.01	2.4172	99.79	122.46	222.25	0.1968	0.4073	98.15	203.17	1.7364	1.4259	1791.8	663.1
250	122.50	0.03573	0.4118	27.99	2.4282	100.03	122.27	222.30	0.1972	0.4073	98.38	203.23	1.7376	1.4277	1787.5	662.6
251	122.83	0.03576	0.4100	27.97	2.4392	100.28	122.07	222.35	0.1976	0.4072	98.61	203.30	1.7388	1.4294	1783.2	662.2
252	123.16	0.03579	0.4081	27.94	2.4503	100.52	121.88	222.40	0.1980	0.4072	98.85	203.36	1.7401	1.4312	1778.9	661.7
253	123.49	0.03582	0.4063	27.92	2.4614	100.76	121.70	222.46	0.1984	0.4071	99.08	203.42	1.7414	1.4330	1774.6	661.3
254	123.82	0.03585	0.4045	27.90	2.4725	101.00	121.51	222.51	0.1988	0.4071	99.31	203.48	1.7426	1.4348	1770.3	660.9
255	124.15	0.03588	0.4027	27.88	2.4836	101.24	121.32	222.56	0.1992	0.4071	99.54	203.54	1.7439	1.4366	1766.0	660.4
256	124.47	0.03590	0.4009	27.85	2.4947	101.48	121.13	222.61	0.1996	0.4070	99.77	203.61	1.7452	1.4384	1761.8	660.0
257	124.80	0.03593	0.3991	27.83	2.5059	101.71	120.95	222.66	0.2000	0.4070	100.00	203.67	1.7465	1.4402	1757.5	659.5
258	125.12	0.03596	0.3973	27.81	2.5170	101.95	120.76	222.71	0.2004	0.4069	100.23	203.73	1.7478	1.4421	1753.3	659.1
259	125.45	0.03599	0.3955	27.79	2.5282	102.19	120.57	222.76	0.2008	0.4069	100.46	203.79	1.7491	1.4439	1749.1	658.6
260	125.77	0.03602	0.3938	27.76	2.5394	102.43	120.37	222.80	0.2012	0.4068	100.69	203.85	1.7504	1.4458	1744.9	658.2
261	126.09	0.03605	0.3921	27.74	2.5507	102.66	120.19	222.85	0.2016	0.4068	100.92	203.91	1.7517	1.4476	1740.7	657.8
262	126.41	0.03608	0.3903	27.72	2.5619	102.90	120.00	222.90	0.2020	0.4068	101.15	203.96	1.7530	1.4495	1736.5	657.3
263	126.73	0.03611	0.3886	27.70	2.5732	103.14	119.81	222.95	0.2024	0.4067	101.38	204.02	1.7544	1.4514	1732.3	656.9
264	127.05	0.03614	0.3869	27.67	2.5845	103.37	119.63	223.00	0.2028	0.4067	101.60	204.08	1.7557	1.4533	1728.1	656.4
265	127.37	0.03617	0.3852	27.65	2.5958	103.61	119.43	223.04	0.2032	0.4066	101.83	204.14	1.7570	1.4552	1723.9	656.0
266	127.69	0.03620	0.3836	27.63	2.6071	103.84	119.25	223.09	0.2036	0.4066	102.06	204.20	1.7584	1.4572	1719.7	655.5
267	128.00	0.03623	0.3819	27.61	2.6184	104.08	119.06	223.14	0.2040	0.4066	102.28	204.25	1.7598	1.4591	1715.6	655.1
268	128.32	0.03625	0.3803	27.58	2.6298	104.31	118.87	223.18	0.2043	0.4065	102.51	204.31	1.7611	1.4611	1711.4	654.6
269	128.63	0.03628	0.3786	27.56	2.6412	104.54	118.69	223.23	0.2047	0.4065	102.74	204.37	1.7625	1.4630	1707.3	654.2
270	128.95	0.03631	0.3770	27.54	2.6526	104.78	118.49	223.27	0.2051	0.4064	102.96	204.42	1.7639	1.4650	1703.2	653.7
271	129.26	0.03634	0.3754	27.52	2.6640	105.01	118.31	223.32	0.2055	0.4064	103.19	204.48	1.7653	1.4670	1699.1	653.3
272	129.57	0.03637	0.3738	27.49	2.6754	105.24	118.12	223.36	0.2059	0.4063	103.41	204.53	1.7667	1.4690	1694.9	652.8
273	129.88	0.03640	0.3722	27.47	2.6869	105.47	117.93	223.40	0.2063	0.4063	103.63	204.59	1.7681	1.4710	1690.8	652.4
274	130.19	0.03643	0.3706	27.45	2.6984	105.70	117.75	223.45	0.2066	0.4063	103.86	204.64	1.7695	1.4730	1686.8	651.9
275	130.50	0.03646	0.3690	27.43	2.7099	105.94	117.55	223.49	0.2070	0.4062	104.08	204.70	1.7710	1.4750	1682.7	651.5
276	130.81	0.03649	0.3675	27.41	2.7214	106.17	117.36	223.53	0.2074	0.4062	104.30	204.75	1.7724	1.4771	1678.6	651.0
277	131.12	0.03652	0.3659	27.38	2.7330	106.40	117.18	223.58	0.2078	0.4061	104.52	204.81	1.7738	1.4792	1674.5	650.6
278	131.43	0.03655	0.3644	27.36	2.7445	106.63	116.99	223.62	0.2082	0.4061	104.75	204.86	1.7753	1.4812	1670.5	650.1
279	131.73	0.03658	0.3628	27.34	2.7561	106.86	116.80	223.66	0.2085	0.4060	104.97	204.91	1.7767	1.4833	1666.4	649.7
280	132.04	0.03661	0.3613	27.32	2.7677	107.09	116.61	223.70	0.2089	0.4060	105.19	204.97	1.7782	1.4854	1662.4	649.2
281	132.34	0.03664	0.3598	27.29	2.7794	107.31	116.43	223.74	0.2093	0.4059	105.41	205.02	1.7797	1.4875	1658.3	648.7
282	132.65	0.03667	0.3583	27.27	2.7910	107.54	116.24	223.78	0.2097	0.4059	105.63	205.07	1.7812	1.4897	1654.3	648.3
283	132.95	0.03670	0.3568	27.25	2.8027	107.77	116.05	223.82	0.2100	0.4059	105.85	205.12	1.7827	1.4918	1650.3	647.8
284	133.25	0.03673	0.3553	27.23	2.8144	108.00	115.86	223.86	0.2104	0.4058	106.07	205.17	1.7842	1.4940	1646.2	647.4



Pressure (psia)	Temp. (°F)	Volume (ft <sup>3</sup> /lbm)		Density (lbm/ft <sup>3</sup> )		Enthalpy (Btu/lbm)			Entropy (Btu/lbm-°R)		Int. Energy (Btu/lbm)		Cp/Cv		Sound Speed (ft/s)	
		Liquid	Vapor	Liquid	Vapor	Liquid	Latent	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor
285	133.55	0.03676	0.3538	27.21	2.8261	108.23	115.67	223.90	0.2108	0.4058	106.29	205.23	1.7857	1.4961	1642.2	646.9
286	133.85	0.03679	0.3524	27.18	2.8378	108.45	115.49	223.94	0.2112	0.4057	106.51	205.28	1.7872	1.4983	1638.2	646.5
287	134.15	0.03682	0.3509	27.16	2.8496	108.68	115.30	223.98	0.2115	0.4057	106.72	205.33	1.7888	1.5005	1634.2	646.0
288	134.45	0.03685	0.3495	27.14	2.8614	108.91	115.11	224.02	0.2119	0.4056	106.94	205.38	1.7903	1.5027	1630.3	645.5
289	134.75	0.03688	0.3480	27.12	2.8732	109.13	114.92	224.05	0.2123	0.4056	107.16	205.43	1.7918	1.5049	1626.3	645.1
290	135.05	0.03691	0.3466	27.09	2.8850	109.36	114.73	224.09	0.2126	0.4055	107.38	205.48	1.7934	1.5072	1622.3	644.6
291	135.35	0.03694	0.3452	27.07	2.8969	109.58	114.55	224.13	0.2130	0.4055	107.59	205.53	1.7950	1.5094	1618.3	644.2
292	135.64	0.03697	0.3438	27.05	2.9087	109.81	114.35	224.16	0.2134	0.4055	107.81	205.58	1.7966	1.5117	1614.4	643.7
293	135.94	0.03700	0.3424	27.03	2.9206	110.03	114.17	224.20	0.2137	0.4054	108.03	205.62	1.7982	1.5140	1610.4	643.2
294	136.23	0.03703	0.3410	27.01	2.9326	110.26	113.98	224.24	0.2141	0.4054	108.24	205.67	1.7998	1.5163	1606.5	642.8
295	136.53	0.03706	0.3396	26.98	2.9445	110.48	113.79	224.27	0.2145	0.4053	108.46	205.72	1.8014	1.5186	1602.6	642.3
296	136.82	0.03709	0.3382	26.96	2.9565	110.71	113.60	224.31	0.2148	0.4053	108.67	205.77	1.8030	1.5209	1598.6	641.9
297	137.11	0.03712	0.3369	26.94	2.9684	110.93	113.41	224.34	0.2152	0.4052	108.89	205.82	1.8046	1.5233	1594.7	641.4
298	137.40	0.03715	0.3355	26.92	2.9805	111.15	113.23	224.38	0.2155	0.4052	109.10	205.86	1.8063	1.5257	1590.8	640.9
299	137.70	0.03718	0.3342	26.90	2.9925	111.38	113.03	224.41	0.2159	0.4051	109.32	205.91	1.8079	1.5280	1586.9	640.5
300	137.99	0.03721	0.3328	26.87	3.0045	111.60	112.85	224.45	0.2163	0.4051	109.53	205.96	1.8096	1.5304	1583.0	640.0
301	138.27	0.03724	0.3315	26.85	3.0166	111.82	112.66	224.48	0.2166	0.4050	109.75	206.00	1.8112	1.5328	1579.1	639.5
302	138.56	0.03727	0.3302	26.83	3.0287	112.04	112.47	224.51	0.2170	0.4050	109.96	206.05	1.8129	1.5353	1575.2	639.1
303	138.85	0.03731	0.3289	26.81	3.0409	112.27	112.27	224.54	0.2173	0.4049	110.17	206.09	1.8146	1.5377	1571.3	638.6
304	139.14	0.03734	0.3275	26.78	3.0530	112.49	112.09	224.58	0.2177	0.4049	110.38	206.14	1.8163	1.5402	1567.4	638.1
305	139.43	0.03737	0.3262	26.76	3.0652	112.71	111.90	224.61	0.2181	0.4048	110.60	206.18	1.8180	1.5427	1563.6	637.7
306	139.71	0.03740	0.3250	26.74	3.0774	112.93	111.71	224.64	0.2184	0.4048	110.81	206.23	1.8198	1.5452	1559.7	637.2
307	140.00	0.03743	0.3237	26.72	3.0896	113.15	111.52	224.67	0.2188	0.4048	111.02	206.27	1.8215	1.5477	1555.9	636.7
308	140.28	0.03746	0.3224	26.70	3.1019	113.37	111.33	224.70	0.2191	0.4047	111.23	206.32	1.8232	1.5502	1552.0	636.3
309	140.57	0.03749	0.3211	26.67	3.1141	113.59	111.14	224.73	0.2195	0.4047	111.44	206.36	1.8250	1.5528	1548.2	635.8
310	140.85	0.03752	0.3199	26.65	3.1264	113.81	110.95	224.76	0.2198	0.4046	111.65	206.40	1.8268	1.5553	1544.3	635.3