

HEATING VENTILATING AIR CONDITIONING GUIDE 1941

TABLE 8. PROPERTIES OF SATURATED STEAM: PRESSURE TABLE^a

ABS. PRESS. IN. HG. p	TEMP F t	SPECIFIC VOLUME		ENTHALPY			ENTROPY			ABS. PRESS. IN. HG. p
		Sat. Liquid v_f	Sat. Vapor v_g	Sat. Liquid h_f	Evap. h_{fg}	Sat. Vapor h_g	Sat. Liquid s_f	Evap. s_{fg}	Sat. Vapor s_g	
0.25	40.23	0.01602	2423.7	8.28	1071.1	1079.4	0.0166	2.1423	2.1589	0.25
0.50	58.80	0.01604	1256.4	26.86	1060.6	1087.5	0.0532	2.0453	2.0985	0.50
0.75	70.43	0.01606	856.1	38.47	1054.0	1092.5	0.0754	1.9881	2.0635	0.75
1.00	79.03	0.01608	652.3	47.05	1049.2	1096.3	0.0914	1.9473	2.0387	1.00
1.5	91.72	0.01611	444.9	59.71	1042.0	1101.7	0.1147	1.8894	2.0041	1.5
2	101.14	0.01614	339.2	69.10	1036.6	1105.7	0.1316	1.8481	1.9797	2
4	125.43	0.01622	176.7	93.34	1022.7	1116.0	0.1738	1.7476	1.9214	4
6	140.78	0.01630	120.72	108.67	1013.6	1122.3	0.1996	1.6881	1.8877	6
8	152.24	0.01635	92.16	120.13	1006.9	1127.0	0.2186	1.6454	1.8640	8
10	161.49	0.01640	74.76	129.38	1001.4	1130.8	0.2335	1.6121	1.8456	10
12	169.28	0.01644	63.03	137.18	996.7	1133.9	0.2460	1.5847	1.8307	12
14	175.05	0.01648	54.55	143.96	992.6	1136.6	0.2568	1.5613	1.8181	14
16	180.05	0.01652	48.14	149.98	988.9	1138.9	0.2662	1.5410	1.8072	16
18	184.45	0.01655	43.11	155.39	985.7	1141.1	0.2746	1.5231	1.7977	18
20	192.37	0.01658	39.07	160.33	982.7	1143.0	0.2822	1.5069	1.7891	20
22	196.90	0.01661	35.73	164.87	979.8	1144.7	0.2891	1.4923	1.7814	22
24	201.09	0.01664	32.94	169.09	977.2	1146.3	0.2955	1.4789	1.7744	24
26	205.00	0.01667	30.56	173.02	974.8	1147.8	0.3014	1.4665	1.7679	26
28	208.67	0.01669	28.52	176.72	972.5	1149.2	0.3069	1.4550	1.7619	28
30	212.13	0.01672	26.74	180.19	970.3	1150.5	0.3122	1.4442	1.7564	30
Lb/Sq In. 14.696	212.00	0.01672	26.80	180.07	970.3	1150.4	0.3120	1.4446	1.7566	Lb/Sq In. 14.696
32	216.32	0.01674	24.75	184.42	967.6	1152.0	0.3184	1.4313	1.7497	32
34	220.41	0.01679	22.17	189.56	963.6	1154.2	0.3275	1.4128	1.7403	34
36	224.07	0.01682	20.089	194.18	960.1	1156.3	0.3356	1.3962	1.7310	36
38	227.06	0.01687	18.375	198.33	956.8	1158.1	0.3431	1.3811	1.7242	38
40	230.41	0.01691	16.938	202.14	953.7	1159.8	0.3500	1.3672	1.7172	40
42	233.07	0.01694	15.715	205.62	950.7	1161.3	0.3564	1.3544	1.7108	42
44	235.82	0.01698	14.663	208.83	947.9	1162.7	0.3623	1.3425	1.7048	44
46	238.65	0.01701	13.746	211.82	945.3	1164.1	0.3680	1.3313	1.6993	46
48	241.55	0.01704	12.940	214.59	942.8	1165.4	0.3733	1.3209	1.6941	48
50	244.51	0.01707	12.226	217.16	940.3	1166.5	0.3783	1.3110	1.6893	50
52	247.53	0.01709	11.588	219.58	938.0	1167.6	0.3831	1.3017	1.6848	52
54	250.60	0.01712	11.015	221.89	935.8	1168.7	0.3876	1.2929	1.6805	54
56	253.72	0.01715	10.498	224.03	933.7	1169.7	0.3919	1.2844	1.6763	56
58	256.89	0.01717	10.029	226.04	931.6	1170.7	0.3959	1.2764	1.6724	58
60	259.99	0.01720	9.601	227.95	929.6	1171.6	0.4000	1.2687	1.6687	60
62	262.95	0.01722	9.209	229.75	927.7	1172.4	0.4038	1.2613	1.6652	62
64	265.80	0.01725	8.848	231.47	925.8	1173.3	0.4075	1.2542	1.6617	64
66	268.55	0.01727	8.515	233.09	924.0	1174.1	0.4110	1.2474	1.6585	66
68	271.21	0.01729	8.208	234.63	922.2	1174.8	0.4144	1.2409	1.6553	68
70	273.79	0.01731	7.922	236.09	920.5	1175.6	0.4177	1.2346	1.6523	70
72	276.28	0.01733	7.656	237.50	918.8	1176.3	0.4209	1.2285	1.6494	72
74	278.69	0.01736	7.407	238.82	917.1	1176.9	0.4240	1.2226	1.6466	74
76	281.02	0.01738	7.175	240.09	915.5	1177.6	0.4270	1.2168	1.6438	76
78	283.28	0.01740	6.957	241.30	913.9	1178.2	0.4300	1.2112	1.6412	78
80	285.47	0.01742	6.732	242.45	912.3	1178.8	0.4328	1.2059	1.6387	80
82	287.59	0.01744	6.500	243.55	910.8	1179.4	0.4356	1.2006	1.6362	82
84	289.66	0.01746	6.278	244.60	909.4	1180.0	0.4383	1.1955	1.6338	84
86	291.68	0.01748	6.064	245.61	907.9	1180.6	0.4409	1.1906	1.6315	86
88	293.65	0.01750	5.850	246.58	906.5	1181.2	0.4435	1.1857	1.6292	88
90	295.58	0.01752	5.644	247.51	905.1	1181.8	0.4460	1.1810	1.6270	90
92	297.47	0.01754	5.437	248.39	903.7	1182.4	0.4484	1.1764	1.6248	92
94	299.32	0.01755	5.230	249.22	902.4	1183.0	0.4508	1.1720	1.6228	94
96	301.13	0.01757	5.022	250.01	901.1	1183.6	0.4531	1.1676	1.6207	96
98	302.90	0.01759	4.814	250.76	899.7	1184.2	0.4554	1.1633	1.6187	98
100	304.63	0.01761	4.606	251.48	898.3	1184.8	0.4576	1.1592	1.6168	100
102	306.32	0.01762	4.398	252.16	896.9	1185.4	0.4598	1.1551	1.6149	102
104	307.98	0.01764	4.190	252.81	895.5	1186.0	0.4620	1.1510	1.6130	104
106	309.60	0.01766	3.982	253.43	894.1	1186.6	0.4641	1.1471	1.6112	106
108	311.19	0.01768	3.774	254.02	892.7	1187.2	0.4661	1.1433	1.6094	108
110	312.74	0.01769	3.566	254.58	891.3	1187.8	0.4682	1.1394	1.6076	110
112	314.27	0.01771	3.358	255.11	889.9	1188.4	0.4702	1.1358	1.6060	112
114	315.78	0.01772	3.150	255.61	888.5	1189.0	0.4721	1.1322	1.6043	114
116	317.26	0.01774	2.942	256.09	887.1	1189.6	0.4740	1.1286	1.6026	116
118	318.72	0.01775	2.734	256.55	885.7	1190.2	0.4758	1.1250	1.6010	118
120	320.16	0.01776	2.526	257.00	884.3	1190.8	0.4776	1.1215	1.5994	120
122	321.58	0.01777	2.318	257.43	882.9	1191.4	0.4794	1.1180	1.5978	122
124	322.99	0.01778	2.110	257.84	881.5	1192.0	0.4811	1.1145	1.5962	124
126	324.38	0.01779	1.902	258.24	880.1	1192.6	0.4828	1.1110	1.5946	126
128	325.75	0.01780	1.694	258.62	878.7	1193.2	0.4844	1.1075	1.5930	128
130	327.10	0.01781	1.486	258.99	877.3	1193.8	0.4860	1.1040	1.5914	130
132	328.43	0.01782	1.278	259.34	875.9	1194.4	0.4875	1.1005	1.5898	132
134	329.74	0.01783	1.070	259.68	874.5	1195.0	0.4890	1.0970	1.5882	134
136	331.04	0.01784	0.862	259.99	873.1	1195.6	0.4905	1.0935	1.5866	136
138	332.32	0.01785	0.654	260.29	871.7	1196.2	0.4919	1.0900	1.5850	138
140	333.59	0.01786	0.446	260.58	870.3	1196.8	0.4933	1.0865	1.5834	140
142	334.84	0.01787	0.238	260.86	868.9	1197.4	0.4947	1.0830	1.5818	142
144	336.08	0.01788	0.030	261.13	867.5	1198.0	0.4960	1.0795	1.5802	144
146	337.30	0.01789		261.39	866.1	1198.6	0.4974	1.0760	1.5786	146
148	338.51	0.01790		261.64	864.7	1199.2	0.4987	1.0725	1.5770	148
150	339.71	0.01791		261.89	863.3	1199.8	0.4999	1.0690	1.5754	150
152	340.89	0.01792		262.13	861.9	1200.4	0.5012	1.0655	1.5738	152
154	342.06	0.01793		262.37	860.5	1201.0	0.5024	1.0620	1.5722	154
156	343.22	0.01794		262.60	859.1	1201.6	0.5036	1.0585	1.5706	156
158	344.37	0.01795		262.83	857.7	1202.2	0.5048	1.0550	1.5690	158
160	345.51	0.01796		263.06	856.3	1202.8	0.5060	1.0515	1.5674	160
162	346.64	0.01797		263.29	854.9	1203.4	0.5072	1.0480	1.5658	162
164	347.77	0.01798		263.51	853.5	1204.0	0.5084	1.0445	1.5642	164
166	348.89	0.01799		263.74	852.1	1204.6	0.5096	1.0410	1.5626	166
168	349.99	0.01800		263.96	850.7	1205.2	0.5108	1.0375	1.5610	168
170	351.09	0.01801		264.19	849.3	1205.8	0.5120	1.0340	1.5594	170
172	352.18	0.01802		264.41	847.9	1206.4	0.5132	1.0305	1.5578	172
174	353.26	0.01803		264.63	846.5	1207.0	0.5144	1.0270	1.5562	174
176	354.34	0.01804		264.85	845.1	1207.6	0.5156	1.0235	1.5546	176
178	355.41	0.01805		265.07	843.7	1208.2	0.5168	1.0200	1.5530	178
180	356.48	0.01806		265.29	842.3	1208.8	0.5180	1.0165	1.5514	180
182	357.54	0.01807		265.51	840.9	1209.4	0.5192	1.0130	1.5498	182
184	358.59	0.01808		265.73	839.5	1210.0	0.5204	1.0095	1.5482	184
186	359.64	0.01809		265.95	838.1	1210.6	0.5216	1.0060	1.5466	186
188	360.68	0.01810		266.17	836.7	1211.2	0.5228	1.0025	1.5450	188
190	361.72	0.01811		266.39	835.3	1211.8	0.5240	0.9990	1.5434	190
192	362.75	0.01812		266.61	833.9	1212.4	0.5252	0.9955	1.5418	