

TABLE 3. THERMODYNAMIC PROPERTIES OF WATER AT SATURATION* (Continued)

FAHR. TEMP. t (°F)	ABSOLUTE PRESSURE p _s		SPECIFIC VOLUME, CU FT PER LB			ENTHALPY, BTU PER LB			ENTROPY, BTU PER (LB) (°F)		
	Lb/Sq In.	In. Hg	Sat. Liquid v _f	Evap. v _{fg}	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
122	1.7987	3.6439	0.01931	192.85	192.87	99.98	1024.12	1114.10	0.16803	1.7608	1.9288
123	1.8286	3.7468	0.01932	187.95	187.95	99.98	1023.64	1114.62	0.16807	1.7566	1.9284
124	1.8607	3.8496	0.01932	183.15	183.17	99.98	1023.16	1115.14	0.16811	1.7528	1.9281
125	1.8930	3.9521	0.01932	178.51	178.53	99.98	1022.68	1115.66	0.16815	1.7486	1.9278
126	1.9266	4.0551	0.01933	174.00	174.02	99.98	1022.20	1116.18	0.16819	1.7448	1.9275
127	2.0514	4.1768	0.01933	169.43	169.45	99.97	1021.72	1116.70	0.16823	1.7407	1.9272
128	2.1075	4.2910	0.01934	165.38	165.40	99.97	1021.24	1117.22	0.16827	1.7367	1.9269
129	2.1649	4.4078	0.01934	161.26	161.28	99.97	1020.76	1117.74	0.16831	1.7328	1.9266
130	2.2237	4.5274	0.01935	157.25	157.27	99.97	1020.28	1118.26	0.16835	1.7289	1.9263
131	2.2838	4.6498	0.01935	153.36	153.38	99.97	1019.80	1118.78	0.16839	1.7250	1.9260
132	2.3452	4.7750	0.01936	149.58	149.60	99.97	1019.32	1119.30	0.16843	1.7211	1.9257
133	2.4081	4.9030	0.01936	145.91	145.93	100.97	1018.84	1119.82	0.16847	1.7172	1.9254
134	2.4725	5.0340	0.01937	142.34	142.36	100.97	1018.36	1120.34	0.16851	1.7133	1.9251
135	2.5383	5.1679	0.01937	138.87	138.89	100.97	1017.88	1120.86	0.16855	1.7094	1.9248
136	2.6055	5.3046	0.01937	135.50	135.52	100.97	1017.40	1121.38	0.16859	1.7055	1.9245
137	2.6743	5.4450	0.01938	132.22	132.24	100.97	1016.92	1121.90	0.16863	1.7016	1.9242
138	2.7446	5.5881	0.01938	129.04	129.06	100.97	1016.44	1122.42	0.16867	1.6977	1.9239
139	2.8165	5.7345	0.01939	125.94	125.96	100.97	1015.96	1122.94	0.16871	1.6938	1.9236
140	2.8900	5.8842	0.01939	122.94	122.96	100.97	1015.48	1123.46	0.16875	1.6899	1.9233
141	2.9651	6.0371	0.01940	120.01	120.03	100.96	1015.00	1123.98	0.16879	1.6860	1.9230
142	3.0419	6.1934	0.01940	117.16	117.18	100.96	1014.52	1124.50	0.16883	1.6821	1.9227
143	3.1204	6.3532	0.01941	114.40	114.42	100.96	1014.04	1125.02	0.16887	1.6782	1.9224
144	3.2006	6.5164	0.01941	111.70	111.72	100.96	1013.56	1125.54	0.16891	1.6743	1.9221
145	3.2825	6.6832	0.01942	109.09	109.11	100.96	1013.08	1126.06	0.16895	1.6704	1.9218
146	3.3662	6.8536	0.01942	106.54	106.56	100.96	1012.60	1126.58	0.16899	1.6665	1.9215
147	3.4517	7.0277	0.01943	104.06	104.08	100.96	1012.12	1127.10	0.16903	1.6626	1.9212
148	3.5390	7.2056	0.01943	101.65	101.67	100.96	1011.64	1127.62	0.16907	1.6587	1.9209
149	3.6282	7.3872	0.01944	99.306	99.322	100.96	1011.16	1128.14	0.16911	1.6548	1.9206
150	3.7194	7.5727	0.01944	97.022	97.038	100.96	1010.68	1128.66	0.16915	1.6509	1.9203
151	3.8124	7.7622	0.01945	94.799	94.815	100.96	1010.20	1129.18	0.16919	1.6470	1.9199

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FAHR. TEMP. t (°F)	ABSOLUTE PRESSURE p _s		SPECIFIC VOLUME, CU FT PER LB			ENTHALPY, BTU PER LB			ENTROPY, BTU PER (LB) (°F)		
	Lb/Sq In.	In. Hg	Sat. Liquid v _f	Evap. v _{fg}	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
152	3.9074	7.9556	0.01945	92.635	92.651	119.96	1006.88	1129.62	0.21830	1.6427	1.9184
153	4.0044	8.1532	0.01946	90.328	90.344	120.97	1006.40	1130.37	0.21834	1.6421	1.9181
154	4.1035	8.3545	0.01946	88.477	88.493	121.97	1005.92	1131.11	0.21838	1.6415	1.9178
155	4.2046	8.5597	0.01947	86.701	86.717	122.97	1005.44	1131.86	0.21842	1.6409	1.9175
156	4.3078	8.7708	0.01947	84.988	84.999	123.97	1004.96	1132.60	0.21846	1.6403	1.9172
157	4.4132	8.9883	0.01948	83.342	83.353	124.97	1004.48	1133.35	0.21850	1.6397	1.9169
158	4.5207	9.2124	0.01948	81.768	81.779	125.97	1004.00	1134.09	0.21854	1.6391	1.9166
159	4.6304	9.4434	0.01949	80.260	80.271	126.97	1003.52	1134.84	0.21858	1.6385	1.9163
160	4.7424	9.6814	0.01949	78.816	78.827	127.97	1003.04	1135.58	0.21862	1.6379	1.9160
161	4.8566	9.9262	0.01950	77.436	77.447	128.97	1002.56	1136.33	0.21866	1.6373	1.9157
162	4.9732	10.178	0.01950	76.110	76.121	129.97	1002.08	1137.07	0.21870	1.6367	1.9154
163	5.0921	10.438	0.01951	74.836	74.847	130.97	1001.60	1137.82	0.21874	1.6361	1.9151
164	5.2134	10.705	0.01951	73.612	73.623	131.97	1001.12	1138.56	0.21878	1.6355	1.9148
165	5.3369	10.979	0.01952	72.438	72.449	132.97	1000.64	1139.31	0.21882	1.6349	1.9145
166	5.4634	11.259	0.01952	71.314	71.325	133.97	1000.16	1140.05	0.21886	1.6343	1.9142
167	5.5921	11.545	0.01953	70.240	70.251	134.97	999.68	1140.80	0.21890	1.6337	1.9139
168	5.7233	11.837	0.01953	69.216	69.227	135.97	999.20	1141.54	0.21894	1.6331	1.9136
169	5.8569	12.135	0.01954	68.242	68.253	136.97	998.72	1142.29	0.21898	1.6325	1.9133
170	5.9934	12.438	0.01954	67.318	67.329	137.97	998.24	1143.03	0.21902	1.6319	1.9130
171	6.1328	12.746	0.01955	66.444	66.455	138.97	997.76	1143.78	0.21906	1.6313	1.9127
172	6.2746	13.059	0.01955	65.610	65.621	139.97	997.28	1144.52	0.21910	1.6307	1.9124
173	6.4189	13.377	0.01956	64.816	64.827	140.97	996.80	1145.27	0.21914	1.6301	1.9121
174	6.5658	13.699	0.01956	64.062	64.073	141.97	996.32	1146.01	0.21918	1.6295	1.9118
175	6.7152	14.026	0.01957	63.348	63.359	142.97	995.84	1146.76	0.21922	1.6289	1.9115
176	6.8680	14.358	0.01957	62.674	62.685	143.97	995.36	1147.50	0.21926	1.6283	1.9112
177	7.0252	14.695	0.01958	62.040	62.051	144.97	994.88	1148.25	0.21930	1.6277	1.9109
178	7.1869	15.037	0.01958	61.446	61.457	145.97	994.40	1149.00	0.21934	1.6271	1.9106
179	7.3524	15.384	0.01959	60.892	60.903	146.97	993.92	1149.74	0.21938	1.6265	1.9103
180	7.5219	15.736	0.01959	60.378	60.389	147.97	993.44	1150.49	0.21942	1.6259	1.9100
181	7.6954	16.093	0.01960	59.904	59.915	148.97	992.96	1151.23	0.21946	1.6253	1.9097

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