

TABLE 6. THERMODYNAMIC PROPERTIES OF MOIST AIR^a, 29.921 IN. HG (CONTINUED)

TEMP DEG F	SATURATION HUMIDITY RATIO W _s WEIGHT OF WATER PER LB OF DRY AIR		VOLUME CU FT PER LB DRY AIR		ENTHALPY BTU PER LB DRY AIR		SPECIFIC ENTHALPY OF LIQUID WATER BTU PER LB h _f	SATURATION PRESSURE p _s		TEMP DEG F
	Pounds	Grains	Dry Air v _a	Saturated Mixture v _g	Dry Air h _a	Saturated Mixture h _g		In. of Hg	Lb per Sq In.	
140	0.1521	1064.7	15.10	29.43	33.61	204.30	107.9	5.8770	2.887	140
141	0.1521	1069.0	15.13	29.46	33.81	204.30	108.0	5.8770	2.887	141
142	0.1521	1073.4	15.16	29.49	34.01	204.30	108.1	5.8770	2.887	142
143	0.1521	1077.8	15.19	29.52	34.21	204.30	108.2	5.8770	2.887	143
144	0.1521	1082.2	15.22	29.55	34.41	204.30	108.3	5.8770	2.887	144
145	0.1521	1086.6	15.25	29.58	34.61	204.30	108.4	5.8770	2.887	145
146	0.1521	1091.0	15.28	29.61	34.81	204.30	108.5	5.8770	2.887	146
147	0.1521	1095.4	15.31	29.64	35.01	204.30	108.6	5.8770	2.887	147
148	0.1521	1100.0	15.34	29.67	35.21	204.30	108.7	5.8770	2.887	148
149	0.1521	1104.6	15.37	29.70	35.41	204.30	108.8	5.8770	2.887	149
150	0.1521	1109.2	15.40	29.73	35.61	204.30	108.9	5.8770	2.887	150
151	0.1521	1113.8	15.43	29.76	35.81	204.30	109.0	5.8770	2.887	151
152	0.1521	1118.4	15.46	29.79	36.01	204.30	109.1	5.8770	2.887	152
153	0.1521	1123.0	15.49	29.82	36.21	204.30	109.2	5.8770	2.887	153
154	0.1521	1127.6	15.52	29.85	36.41	204.30	109.3	5.8770	2.887	154
155	0.1521	1132.2	15.55	29.88	36.61	204.30	109.4	5.8770	2.887	155
156	0.1521	1136.8	15.58	29.91	36.81	204.30	109.5	5.8770	2.887	156
157	0.1521	1141.4	15.61	29.94	37.01	204.30	109.6	5.8770	2.887	157
158	0.1521	1146.0	15.64	29.97	37.21	204.30	109.7	5.8770	2.887	158
159	0.1521	1150.6	15.67	30.00	37.41	204.30	109.8	5.8770	2.887	159
160	0.1521	1155.2	15.70	30.03	37.61	204.30	109.9	5.8770	2.887	160
161	0.1521	1159.8	15.73	30.06	37.81	204.30	110.0	5.8770	2.887	161
162	0.1521	1164.4	15.76	30.09	38.01	204.30	110.1	5.8770	2.887	162
163	0.1521	1169.0	15.79	30.12	38.21	204.30	110.2	5.8770	2.887	163
164	0.1521	1173.6	15.82	30.15	38.41	204.30	110.3	5.8770	2.887	164
165	0.1521	1178.2	15.85	30.18	38.61	204.30	110.4	5.8770	2.887	165
166	0.1521	1182.8	15.88	30.21	38.81	204.30	110.5	5.8770	2.887	166
167	0.1521	1187.4	15.91	30.24	39.01	204.30	110.6	5.8770	2.887	167
168	0.1521	1192.0	15.94	30.27	39.21	204.30	110.7	5.8770	2.887	168
169	0.1521	1196.6	15.97	30.30	39.41	204.30	110.8	5.8770	2.887	169
170	0.1521	1201.2	16.00	30.33	39.61	204.30	110.9	5.8770	2.887	170
171	0.1521	1205.8	16.03	30.36	39.81	204.30	111.0	5.8770	2.887	171
172	0.1521	1210.4	16.06	30.39	40.01	204.30	111.1	5.8770	2.887	172
173	0.1521	1215.0	16.09	30.42	40.21	204.30	111.2	5.8770	2.887	173
174	0.1521	1219.6	16.12	30.45	40.41	204.30	111.3	5.8770	2.887	174

^aCompiled by W. M. Sawdon and extended by John A. Goff.TABLE 6. THERMODYNAMIC PROPERTIES OF MOIST AIR^a, 29.921 IN. HG (CONCLUDED)

TEMP DEG F	SATURATION HUMIDITY RATIO W _s WEIGHT OF WATER PER LB OF DRY AIR		VOLUME CU FT PER LB DRY AIR		ENTHALPY BTU PER LB DRY AIR		SPECIFIC ENTHALPY OF LIQUID WATER BTU PER LB h _f	SATURATION PRESSURE p _s		TEMP DEG F
	Pounds	Grains	Dry Air v _a	Saturated Mixture v _g	Dry Air h _a	Saturated Mixture h _g		In. of Hg	Lb per Sq In.	
175	0.5235	3664.5	16.98	29.43	42.04	637.78	142.9	13.674	6.716	175
176	0.5469	3821.3	16.91	14.04	42.28	637.78	143.0	13.674	6.716	176
177	0.5697	3987.9	16.83	14.08	42.52	637.78	143.1	13.674	6.716	177
178	0.5924	4164.3	16.76	14.12	42.76	637.78	143.2	13.674	6.716	178
179	0.6151	4350.5	16.69	14.16	43.00	637.78	143.3	13.674	6.716	179
180	0.6378	4546.7	16.62	14.20	43.24	637.78	143.4	13.674	6.716	180
181	0.6605	4753.1	16.55	14.24	43.48	637.78	143.5	13.674	6.716	181
182	0.6832	4969.5	16.48	14.28	43.72	637.78	143.6	13.674	6.716	182
183	0.7059	5195.9	16.41	14.32	43.96	637.78	143.7	13.674	6.716	183
184	0.7286	5432.3	16.34	14.36	44.20	637.78	143.8	13.674	6.716	184
185	0.7513	5678.7	16.27	14.40	44.44	637.78	143.9	13.674	6.716	185
186	0.7740	5935.1	16.20	14.44	44.68	637.78	144.0	13.674	6.716	186
187	0.7967	6201.5	16.13	14.48	44.92	637.78	144.1	13.674	6.716	187
188	0.8194	6477.9	16.06	14.52	45.16	637.78	144.2	13.674	6.716	188
189	0.8421	6764.3	16.00	14.56	45.40	637.78	144.3	13.674	6.716	189
190	0.8648	7060.7	15.93	14.60	45.64	637.78	144.4	13.674	6.716	190
191	0.8875	7367.1	15.86	14.64	45.88	637.78	144.5	13.674	6.716	191
192	0.9102	7683.5	15.79	14.68	46.12	637.78	144.6	13.674	6.716	192
193	0.9329	8009.9	15.72	14.72	46.36	637.78	144.7	13.674	6.716	193
194	0.9556	8346.3	15.65	14.76	46.60	637.78	144.8	13.674	6.716	194
195	0.9783	8692.7	15.58	14.80	46.84	637.78	144.9	13.674	6.716	195
196	1.0010	9049.1	15.51	14.84	47.08	637.78	145.0	13.674	6.716	196
197	1.0237	9415.5	15.44	14.88	47.32	637.78	145.1	13.674	6.716	197
198	1.0464	9791.9	15.37	14.92	47.56	637.78	145.2	13.674	6.716	198
199	1.0691	10178.3	15.30	14.96	47.80	637.78	145.3	13.674	6.716	199
200	1.0918	10574.7	15.23	15.00	48.04	637.78	145.4	13.674	6.716	200

^aCompiled by W. M. Sawdon and extended by John A. Goff.