

TABLE 6. THERMODYNAMIC PROPERTIES OF MOIST AIR, 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 _w	SATURATION PRESSURE p _s		TEMP DEG F		
	Pounds	Grains	Dry Air v _a	v _{as} (v _a - v _s)	Saturated Mixture v _s	Dry Air h _a		h _{as} (h _a - h _s)	Saturated Mixture h _s		In. of Hg	Lb per Sq in.
70	0.01574	110.2	13.34	0.34	13.68	16.79	17.17	33.96	0.73866	0.3628	70	
71	0.01631	114.2	13.37	0.34	13.71	17.03	17.80	34.83	0.76431	0.3908	71	
72	0.01688	118.2	13.40	0.35	13.75	17.27	18.43	35.70	0.79058	0.4166	72	
73	0.01748	122.4	13.42	0.37	13.79	17.51	19.09	36.60	0.81766	0.4418	73	
74	0.01809	126.6	13.44	0.39	13.83	17.75	19.76	37.51	0.84555	0.4683	74	
75	0.01873	131.1	13.47	0.40	13.87	17.99	20.47	38.46	0.87448	0.4959	75	
76	0.01938	135.7	13.49	0.42	13.91	18.23	21.19	39.42	0.90398	0.5246	76	
77	0.02005	140.4	13.52	0.43	13.95	18.47	21.93	40.40	0.93452	0.5544	77	
78	0.02075	145.3	13.54	0.45	13.99	18.71	22.67	41.42	0.96538	0.5852	78	
79	0.02147	150.3	13.57	0.46	14.03	18.95	23.51	42.46	0.99625	0.6170	79	
80	0.02221	155.5	13.59	0.49	14.08	19.19	24.32	43.51	1.02816	0.6507	80	
81	0.02298	160.9	13.62	0.50	14.12	19.43	25.18	44.61	1.0611	0.6861	81	
82	0.02377	166.4	13.64	0.52	14.16	19.67	26.05	45.72	1.0951	0.7230	82	
83	0.02459	172.1	13.67	0.54	14.21	19.91	26.97	46.88	1.1302	0.7615	83	
84	0.02543	178.0	13.69	0.57	14.26	20.15	27.90	48.05	1.1672	0.8017	84	
85	0.02629	184.0	13.72	0.58	14.30	20.39	28.85	49.24	1.2055	0.8436	85	
86	0.02718	190.3	13.74	0.60	14.34	20.63	29.84	50.47	1.2452	0.8872	86	
87	0.02810	196.7	13.77	0.62	14.39	20.87	30.87	51.74	1.2865	0.9325	87	
88	0.02904	203.3	13.79	0.65	14.44	21.11	31.91	53.02	1.3294	0.9796	88	
89	0.03002	210.1	13.82	0.66	14.48	21.35	33.00	54.35	1.3737	0.1028	89	
90	0.03102	217.1	13.84	0.69	14.53	21.59	34.11	55.70	1.4211	0.0980	90	
91	0.03205	224.4	13.87	0.71	14.58	21.83	35.26	57.09	1.4691	0.7201	91	
92	0.03312	231.8	13.89	0.74	14.63	22.07	36.45	58.52	1.5175	0.7429	92	
93	0.03421	239.5	13.92	0.77	14.69	22.32	37.67	59.99	1.5660	0.7682	93	
94	0.03535	247.5	13.94	0.79	14.73	22.56	38.94	61.50	1.6158	0.7902	94	
95	0.03652	255.6	13.97	0.82	14.79	22.80	40.25	63.05	1.6659	0.8149	95	
96	0.03772	263.9	13.99	0.85	14.84	23.04	41.58	64.62	1.7168	0.8403	96	
97	0.03896	272.7	14.02	0.88	14.90	23.28	42.97	66.25	1.7698	0.8673	97	
98	0.04024	281.7	14.04	0.91	14.95	23.52	44.40	67.92	1.8181	0.8930	98	
99	0.04156	290.9	14.07	0.94	15.01	23.76	45.87	69.63	1.8741	0.9205	99	
100	0.04293	300.5	14.10	0.97	15.07	24.00	47.40	71.40	1.9316	0.9487	100	
101	0.04433	310.3	14.12	1.00	15.12	24.24	48.97	73.21	1.9904	0.9776	101	
102	0.04577	320.4	14.15	1.03	15.18	24.48	50.58	75.07	2.0504	1.0072	102	
103	0.04726	330.8	14.17	1.08	15.25	24.72	52.25	76.97	2.1128	1.0377	103	
104	0.04879	341.5	14.20	1.11	15.31	24.96	53.96	78.92	2.1763	1.0689	104	

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	Pounds	Grains	Dry Air v _a	p _{as} (v _a - v _s)	Saturated Mixture v _s	Dry Air h _a	h _{as} (h _a - h _s)		Saturated Mixture h _s	In. of Hg		Lb per Sq in.
105	0.05037	352.6	14.22	1.15	15.37	25.20	55.73	80.93	2.2414	1.1009	105	
106	0.05200	364.0	14.25	1.19	15.44	25.44	57.58	83.00	2.3084	1.1338	106	
107	0.05368	375.8	14.27	1.23	15.50	25.68	59.45	85.13	2.3770	1.1675	107	
108	0.05541	387.9	14.30	1.27	15.57	25.92	61.38	87.30	2.4473	1.2020	108	
109	0.05719	400.3	14.32	1.32	15.64	26.16	63.38	89.54	2.5196	1.2375	109	
110	0.05904	413.3	14.35	1.36	15.71	26.40	65.46	91.86	2.5939	1.274	110	
111	0.06092	426.4	14.37	1.41	15.78	26.64	67.63	94.21	2.6706	1.311	111	
112	0.06292	440.4	14.39	1.46	15.85	26.88	69.87	96.59	2.7496	1.350	112	
113	0.06493	454.5	14.42	1.51	15.93	27.12	72.08	99.20	2.8300	1.389	113	
114	0.06700	469.0	14.45	1.55	16.00	27.36	74.40	101.76	2.9094	1.429	114	
115	0.06913	483.9	14.47	1.61	16.08	27.60	76.80	104.40	2.9929	1.470	115	
116	0.07134	499.4	14.50	1.66	16.16	27.84	79.29	107.13	3.0784	1.512	116	
117	0.07361	515.3	14.52	1.72	16.24	28.08	81.84	109.92	3.1660	1.555	117	
118	0.07590	532.0	14.55	1.77	16.32	28.32	84.53	112.85	3.2576	1.600	118	
119	0.07840	548.8	14.57	1.84	16.41	28.56	87.24	115.80	3.3492	1.645	119	
120	0.08093	566.5	14.60	1.90	16.50	28.80	90.09	118.89	3.4440	1.692	120	
121	0.08348	584.4	14.62	1.96	16.58	29.04	92.87	122.01	3.5409	1.739	121	
122	0.08616	603.1	14.65	2.03	16.68	29.28	95.69	125.27	3.6404	1.788	122	
123	0.08892	622.4	14.67	2.10	16.77	29.52	98.11	128.63	3.7422	1.838	123	
124	0.09175	642.3	14.70	2.17	16.87	29.76	102.30	132.06	3.8460	1.889	124	
125	0.09466	662.6	14.72	2.24	16.96	30.00	105.59	135.59	3.9519	1.941	125	
126	0.09770	683.3	14.75	2.31	17.06	30.24	109.02	139.26	4.0518	1.995	126	
127	0.1008	704.6	14.77	2.40	17.17	30.48	112.53	143.01	4.1548	2.049	127	
128	0.1040	728.0	14.80	2.47	17.27	30.72	116.13	146.81	4.2608	2.103	128	
129	0.1074	751.8	14.83	2.55	17.38	30.96	120.00	150.96	4.3699	2.163	129	
130	0.1107	774.9	14.85	2.64	17.49	31.20	123.73	154.93	4.5220	2.221	130	
131	0.1143	800.1	14.88	2.73	17.61	31.45	128.81	159.26	4.6441	2.281	131	
132	0.1180	826.0	14.90	2.83	17.73	31.69	133.99	163.88	4.7703	2.343	132	
133	0.1218	852.6	14.93	2.92	17.85	31.93	138.31	168.24	4.8986	2.406	133	
134	0.1257	879.9	14.95	3.02	17.97	32.17	140.72	172.89	5.0289	2.470	134	
135	0.1297	907.9	14.98	3.12	18.10	32.41	145.26	177.67	5.1633	2.536	135	
136	0.1339	937.3	15.00	3.23	18.23	32.65	149.91	182.50	5.3027	2.603	136	
137	0.1382	967.4	15.03	3.33	18.36	32.89	154.62	187.34	5.4492	2.673	137	
138	0.1427	998.9	15.05	3.45	18.50	33.13	160.01	193.14	5.5927	2.742	138	
139	0.1473	1031.1	15.08	3.57	18.65	33.37	165.24	198.61	5.7293	2.814	139	

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