

TABLE 2. THERMODYNAMIC PROPERTIES OF MOIST AIR* (STANDARD ATMOSPHERIC PRESSURE, 29.921 IN. Hg) (Continued)

FAHR. TEMP. t (°F)	HUMIDITY RATIO W x 10 ³	VOLUME CU FT/LB DRY AIR			ENTHALPY BTU/LB DRY AIR			ENTROPY BTU PER (°F) (LB DRY AIR)			CONDENSED WATER		
		v _g	v _g		h _g	h _g		s _g	s _g		h _w	Entropy Btu/(lb) s _w	Vap. Press in. Hg p _g
			v _{as}	v _a		h _{as}	h _a		s _{as}	s _a			
70	1.632	13.348	0.339	13.687	16.816	17.27	34.09	0.03405	0.03437	0.08842	38.11	0.0746	0.73916
71	1.639	13.373	0.341	13.702	16.841	17.30	34.98	0.03406	0.03438	0.08843	38.11	0.0746	0.73916
72	1.646	13.398	0.343	13.717	16.866	17.33	35.87	0.03407	0.03439	0.08844	38.11	0.0746	0.73916
73	1.653	13.423	0.345	13.732	16.891	17.36	36.76	0.03408	0.03440	0.08845	38.11	0.0746	0.73916
74	1.660	13.448	0.347	13.747	16.916	17.39	37.65	0.03409	0.03441	0.08846	38.11	0.0746	0.73916
75	1.667	13.473	0.349	13.762	16.941	17.42	38.54	0.03410	0.03442	0.08847	38.11	0.0746	0.73916
76	1.674	13.498	0.351	13.777	16.966	17.45	39.43	0.03411	0.03443	0.08848	38.11	0.0746	0.73916
77	1.681	13.523	0.353	13.792	16.991	17.48	40.32	0.03412	0.03444	0.08849	38.11	0.0746	0.73916
78	1.688	13.548	0.355	13.807	17.016	17.51	41.21	0.03413	0.03445	0.08850	38.11	0.0746	0.73916
79	1.695	13.573	0.357	13.822	17.041	17.54	42.10	0.03414	0.03446	0.08851	38.11	0.0746	0.73916
80	1.702	13.598	0.359	13.837	17.066	17.57	42.99	0.03415	0.03447	0.08852	38.11	0.0746	0.73916
81	1.709	13.623	0.361	13.852	17.091	17.60	43.88	0.03416	0.03448	0.08853	38.11	0.0746	0.73916
82	1.716	13.648	0.363	13.867	17.116	17.63	44.77	0.03417	0.03449	0.08854	38.11	0.0746	0.73916
83	1.723	13.673	0.365	13.882	17.141	17.66	45.66	0.03418	0.03450	0.08855	38.11	0.0746	0.73916
84	1.730	13.698	0.367	13.897	17.166	17.69	46.55	0.03419	0.03451	0.08856	38.11	0.0746	0.73916
85	1.737	13.723	0.369	13.912	17.191	17.72	47.44	0.03420	0.03452	0.08857	38.11	0.0746	0.73916
86	1.744	13.748	0.371	13.927	17.216	17.75	48.33	0.03421	0.03453	0.08858	38.11	0.0746	0.73916
87	1.751	13.773	0.373	13.942	17.241	17.78	49.22	0.03422	0.03454	0.08859	38.11	0.0746	0.73916
88	1.758	13.798	0.375	13.957	17.266	17.81	50.11	0.03423	0.03455	0.08860	38.11	0.0746	0.73916
89	1.765	13.823	0.377	13.972	17.291	17.84	51.00	0.03424	0.03456	0.08861	38.11	0.0746	0.73916
90	1.772	13.848	0.379	13.987	17.316	17.87	51.89	0.03425	0.03457	0.08862	38.11	0.0746	0.73916
91	1.779	13.873	0.381	14.002	17.341	17.90	52.78	0.03426	0.03458	0.08863	38.11	0.0746	0.73916
92	1.786	13.898	0.383	14.017	17.366	17.93	53.67	0.03427	0.03459	0.08864	38.11	0.0746	0.73916
93	1.793	13.923	0.385	14.032	17.391	17.96	54.56	0.03428	0.03460	0.08865	38.11	0.0746	0.73916
94	1.800	13.948	0.387	14.047	17.416	17.99	55.45	0.03429	0.03461	0.08866	38.11	0.0746	0.73916
95	1.807	13.973	0.389	14.062	17.441	18.02	56.34	0.03430	0.03462	0.08867	38.11	0.0746	0.73916
96	1.814	13.998	0.391	14.077	17.466	18.05	57.23	0.03431	0.03463	0.08868	38.11	0.0746	0.73916
97	1.821	14.023	0.393	14.092	17.491	18.08	58.12	0.03432	0.03464	0.08869	38.11	0.0746	0.73916
98	1.828	14.048	0.395	14.107	17.516	18.11	59.01	0.03433	0.03465	0.08870	38.11	0.0746	0.73916
99	1.835	14.073	0.397	14.122	17.541	18.14	59.90	0.03434	0.03466	0.08871	38.11	0.0746	0.73916
100	1.842	14.098	0.399	14.137	17.566	18.17	60.79	0.03435	0.03467	0.08872	38.11	0.0746	0.73916
101	1.849	14.123	0.401	14.152	17.591	18.20	61.68	0.03436	0.03468	0.08873	38.11	0.0746	0.73916
102	1.856	14.148	0.403	14.167	17.616	18.23	62.57	0.03437	0.03469	0.08874	38.11	0.0746	0.73916
103	1.863	14.173	0.405	14.182	17.641	18.26	63.46	0.03438	0.03470	0.08875	38.11	0.0746	0.73916
104	1.870	14.198	0.407	14.197	17.666	18.29	64.35	0.03439	0.03471	0.08876	38.11	0.0746	0.73916

* Compiled by John A. Goff and S. Gratch.

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		v _g	v _g		h _g	h _g		s _g	s _g		h _w	Entropy Btu/(lb) s _w	Vap. Press in. Hg p _g	
			v _{as}	v _a		h _{as}	h _a		s _{as}	s _a				
105	0.6070	14.232	1.165	15.387	25.232	56.11	81.34	0.04943	0.1052	0.1546	73.04	0.1385	2.4389	105
106	0.6084	14.268	1.164	15.452	25.472	57.05	83.42	0.04935	0.1052	0.1546	73.04	0.1403	2.3109	106
107	0.6100	14.314	1.163	15.517	25.713	57.95	85.50	0.04928	0.1052	0.1546	73.04	0.1421	2.3797	107
108	0.6116	14.360	1.162	15.582	25.953	58.85	87.76	0.04920	0.1052	0.1546	73.04	0.1438	2.4502	108
109	0.6132	14.406	1.161	15.654	26.194	59.80	90.03	0.04913	0.1052	0.1546	73.04	0.1456	2.5225	109
110	0.6148	14.452	1.160	15.724	26.434	60.81	92.34	0.04905	0.1052	0.1546	73.04	0.1472	2.5966	110
111	0.6164	14.498	1.159	15.796	26.675	61.80	94.72	0.04897	0.1052	0.1546	73.04	0.1491	2.6726	111
112	0.6180	14.544	1.158	15.868	26.915	62.79	97.10	0.04890	0.1052	0.1546	73.04	0.1509	2.7503	112
113	0.6196	14.590	1.157	15.940	27.156	63.78	99.51	0.04883	0.1052	0.1546	73.04	0.1528	2.8304	113
114	0.6212	14.636	1.156	16.012	27.397	64.81	102.31	0.04875	0.1052	0.1546	73.04	0.1543	2.9123	114
115	0.6228	14.682	1.155	16.085	27.637	65.85	104.98	0.04868	0.1052	0.1546	73.04	0.1560	2.9962	115
116	0.6244	14.728	1.154	16.158	27.878	66.89	107.75	0.04860	0.1052	0.1546	73.04	0.1577	3.0821	116
117	0.6260	14.774	1.153	16.231	28.119	67.93	110.53	0.04853	0.1052	0.1546	73.04	0.1595	3.1701	117
118	0.6276	14.820	1.152	16.304	28.359	68.97	113.48	0.04845	0.1052	0.1546	73.04	0.1612	3.2603	118
119	0.6292	14.866	1.151	16.377	28.600	69.99	116.48	0.04838	0.1052	0.1546	73.04	0.1629	3.3527	119
120	0.6308	14.912	1.150	16.450	28.841	71.03	119.54	0.04830	0.1052	0.1546	73.04	0.1646	3.4474	120
121	0.6324	14.958	1.149	16.523	29.082	72.07	122.72	0.04823	0.1052	0.1546	73.04	0.1664	3.5443	121
122	0.6340	15.004	1.148	16.596	29.323	73.11	125.98	0.04815	0.1052	0.1546	73.04	0.1681	3.6435	122
123	0.6356	15.050	1.147	16.669	29.563	74.15	129.35	0.04808	0.1052	0.1546	73.04	0.1698	3.7449	123
124	0.6372	15.096	1.146	16.742	29.804	75.19	132.8	0.04800	0.1052	0.1546	73.04	0.1715	3.8483	124
125	0.6388	15.142	1.145	16.815	30.044	76.23	136.4	0.04793	0.1052	0.1546	73.04	0.1732	3.9538	125
126	0.6404	15.188	1.144	16.888	30.285	77.27	140.1	0.04785	0.1052	0.1546	73.04	0.1749	4.0614	126
127	0.6420	15.234	1.143	16.961	30.526	78.31	143.8	0.04778	0.1052	0.1546	73.04	0.1766	4.1705	127
128	0.6436	15.280	1.142	17.034	30.766	79.35	147.8	0.04770	0.1052	0.1546	73.04	0.1783	4.2807	128
129	0.6452	15.326	1.141	17.107	31.007	80.39	151.8	0.04763	0.1052	0.1546	73.04	0.1800	4.3927	129
130	0.6468	15.372	1.140	17.180	31.248	81.43	155.9	0.04755	0.1052	0.1546	73.04	0.1817	4.5072	130
131	0.6484	15.418	1.139	17.253	31.489	82.47	160.3	0.04748	0.1052	0.1546	73.04	0.1834	4.6245	131
132	0.6500	15.464	1.138	17.326	31.729	83.51	164.7	0.04740	0.1052	0.1546	73.04	0.1851	4.7437	132
133	0.6516	15.510	1.137	17.399	31.970	84.55	169.3	0.04733	0.1052	0.1546	73.04	0.1868	4.8650	133
134	0.6532	15.556	1.136	17.472	32.211	85.59	174.0	0.04725	0.1052	0.1546	73.04	0.1885	4.9883	134
135	0.6548	15.602	1.135	17.545	32.452	86.63	178.9	0.04718	0.1052	0.1546	73.04	0.1902	5.1137	135
136	0.6564	15.648	1.134	17.618	32.693	87.67	183.9	0.04710	0.1052	0.1546	73.04	0.1918	5.2416	136
137	0.6580	15.694	1.133	17.691	32.934	88.71	189.0	0.04703	0.1052	0.1546	73.04	0.1935	5.3719	137
138	0.6596	15.740	1.132	17.764	33.175	89.75	194.1	0.04695	0.1052	0.1546	73.04	0.1952	5.5046	138
139	0.6612	15.786	1.131	17.837	33.416	90.79	199.3	0.04688	0.1052	0.1546	73.04	0.1969	5.6392	139