

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

FAHR. TEMP. t (°F)	HUMIDITY RATIO W _g	VOLUME CU FT/LB DRY AIR			ENTHALPY BTU/LB DRY AIR			ENTROPY BTU PER (°F) (LB DRY AIR)			CONDENSED WATER		
		v _g	v _{ma}		h _g	h _{ma}	h _a	s _a	s _{ma}	s _g	Enthalpy BTU/LB h _w	Entropy BTU/(LB °F) s _w	Vap. Press In. Hg p _g
			v _{ma}	v _g									
140	0.1534	16.117	3.702	18.819	33.655	172.0	205.7	0.06390	0.3047	0.3666	107.99	0.1985	5.8838
141	0.1584	16.142	3.829	18.971	33.896	177.7	211.6	0.06430	0.3162	0.3785	108.99	0.2002	6.0367
142	0.1636	16.167	3.961	19.128	34.138	183.6	217.1	0.06470	0.3281	0.3888	109.99	0.2018	6.1920
143	0.1689	16.192	4.098	19.289	34.377	189.7	222.4	0.06510	0.3403	0.3994	110.99	0.2035	6.3527
144	0.1746	16.218	4.239	19.457	34.618	196.0	228.0	0.06549	0.3529	0.4104	111.99	0.2051	6.5160
145	0.1803	16.243	4.386	19.629	34.859	202.5	233.7	0.06589	0.3659	0.4218	112.99	0.2068	6.6828
146	0.1862	16.268	4.539	19.801	35.099	209.3	240.4	0.06629	0.3792	0.4335	113.99	0.2084	6.8523
147	0.1924	16.293	4.698	19.971	35.340	216.4	247.1	0.06669	0.3912	0.4457	114.99	0.2101	7.0243
148	0.1989	16.319	4.862	20.141	35.581	223.7	253.9	0.06708	0.4038	0.4583	115.99	0.2117	7.2001
149	0.2058	16.344	5.033	20.317	35.822	231.3	261.1	0.06748	0.4169	0.4713	116.99	0.2134	7.3807
150	0.2125	16.369	5.211	20.490	36.063	239.2	275.3	0.06787	0.4304	0.4845	117.99	0.2150	7.5722
151	0.2197	16.394	5.395	20.660	36.304	247.3	283.5	0.06827	0.4439	0.4987	118.99	0.2167	7.7616
152	0.2274	16.419	5.584	20.829	36.545	255.7	291.6	0.06866	0.4579	0.5132	119.99	0.2183	7.9582
153	0.2344	16.443	5.778	20.997	36.786	264.7	300.5	0.06906	0.4713	0.5282	120.99	0.2200	8.1625
154	0.2430	16.468	5.986	21.166	37.026	273.9	310.9	0.06945	0.4845	0.5438	121.99	0.2216	8.3541
155	0.2514	16.492	6.213	21.333	37.267	283.5	320.8	0.06984	0.4987	0.5599	122.99	0.2232	8.5599
156	0.2602	16.517	6.439	21.500	37.508	293.5	331.0	0.07023	0.5132	0.5768	123.99	0.2248	8.7701
157	0.2693	16.542	6.675	21.667	37.749	303.9	341.7	0.07062	0.5282	0.5943	124.99	0.2265	8.9846
158	0.2788	16.567	6.922	21.833	37.990	314.7	352.7	0.07101	0.5439	0.6125	125.99	0.2281	9.2036
159	0.2887	16.592	7.178	22.000	38.231	326.0	364.3	0.07140	0.5600	0.6314	127.00	0.2297	9.4271
160	0.2990	16.617	7.448	22.167	38.472	337.8	376.3	0.07179	0.5763	0.6511	128.00	0.2313	9.6566
161	0.3098	16.642	7.727	22.334	38.713	350.1	388.8	0.07218	0.5904	0.6716	129.00	0.2329	9.8876
162	0.3211	16.667	8.020	22.500	38.954	363.0	402.0	0.07257	0.6024	0.6930	130.00	0.2345	10.125
163	0.3329	16.692	8.328	22.667	39.195	376.5	415.7	0.07296	0.6153	0.7153	131.00	0.2361	10.367
164	0.3452	16.717	8.648	22.833	39.436	390.5	429.9	0.07334	0.6285	0.7385	132.00	0.2377	10.614
165	0.3581	16.742	8.985	23.000	39.677	405.3	445.0	0.07373	0.6421	0.7629	133.00	0.2393	10.866
166	0.3716	16.767	9.338	23.167	39.918	420.7	460.7	0.07411	0.6561	0.7881	134.00	0.2409	11.123
167	0.3856	16.792	9.708	23.333	40.159	437.0	477.1	0.07449	0.6706	0.8140	135.00	0.2426	11.385
168	0.4007	16.817	10.098	23.500	40.400	454.0	494.4	0.07488	0.6856	0.8409	136.00	0.2441	11.652
169	0.4163	16.842	10.508	23.667	40.641	471.8	512.4	0.07527	0.7009	0.8722	137.00	0.2457	11.925
170	0.4327	16.867	10.938	23.833	40.882	490.6	531.5	0.07565	0.7165	0.9030	138.00	0.2473	12.203
171	0.4500	16.892	11.391	24.000	41.123	510.4	551.5	0.07603	0.7324	0.9352	139.00	0.2489	12.486
172	0.4682	16.917	11.870	24.167	41.364	531.3	572.7	0.07641	0.7487	0.9692	140.00	0.2505	12.776
173	0.4876	16.942	12.376	24.333	41.605	553.3	594.9	0.07679	0.7653	1.0049	141.00	0.2521	13.069
174	0.5078	16.967	12.911	24.500	41.846	576.5	618.3	0.07718	0.7824	1.0426	142.00	0.2537	13.360

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		v _g	v _{ma}		h _g	h _{ma}	h _a	s _a	s _{ma}	s _g	Enthalpy BTU/LB h _w	Entropy BTU/(LB °F) s _w	Vap. Press In. Hg p _g
			v _{ma}	v _g									
175	0.5292	16.992	13.475	24.667	42.087	601.1	643.2	0.07755	1.005	1.083	143.02	0.2553	13.675
176	0.5519	17.017	14.076	24.833	42.328	627.1	669.4	0.07794	1.047	1.124	144.02	0.2568	13.987
177	0.5760	17.042	14.710	25.000	42.569	654.7	697.3	0.07832	1.091	1.169	145.02	0.2584	14.304
178	0.6016	17.067	15.386	25.167	42.810	683.1	726.9	0.07870	1.137	1.216	146.02	0.2600	14.628
179	0.6288	17.092	16.104	25.333	43.051	712.2	758.3	0.07908	1.187	1.266	147.03	0.2616	14.958
180	0.6578	17.117	16.870	25.500	43.292	748.5	791.8	0.07946	1.240	1.319	148.03	0.2631	15.294
181	0.6876	17.142	17.689	25.667	43.534	783.9	827.4	0.07984	1.295	1.376	149.03	0.2647	15.638
182	0.7182	17.167	18.555	25.833	43.775	821.9	865.7	0.08021	1.357	1.437	150.03	0.2662	15.983
183	0.7503	17.192	19.504	26.000	44.016	862.5	906.5	0.08058	1.427	1.502	151.04	0.2678	16.340
184	0.7833	17.217	20.513	26.167	44.257	906.2	950.5	0.08096	1.490	1.571	152.04	0.2693	16.702
185	0.8383	17.242	21.601	26.333	44.498	953.2	997.7	0.08134	1.565	1.646	153.05	0.2709	17.071
186	0.8905	17.267	22.775	26.500	44.739	1004.4	1049	0.08171	1.645	1.727	154.05	0.2724	17.446
187	0.9483	17.292	24.047	26.667	44.981	1054	1104	0.08208	1.731	1.813	155.05	0.2739	17.828
188	1.037	17.317	25.427	26.833	45.222	1119	1164	0.08245	1.825	1.907	156.05	0.2754	18.217
189	1.099	17.342	26.924	27.000	45.463	1184	1229	0.08283	1.928	2.011	157.06	0.2771	18.614
190	1.166	17.367	28.580	27.167	45.704	1255	1291	0.08320	2.039	2.122	158.07	0.2786	19.017
191	1.241	17.392	30.376	27.333	45.945	1332	1378	0.08357	2.161	2.236	159.07	0.2802	19.427
192	1.324	17.417	32.310	27.500	46.187	1418	1464	0.08394	2.295	2.359	160.07	0.2817	19.846
193	1.416	17.442	34.381	27.667	46.428	1513	1550	0.08431	2.444	2.483	161.07	0.2832	20.271
194	1.519	17.467	36.596	27.833	46.670	1619	1666	0.08468	2.609	2.664	162.08	0.2848	20.704
195	1.631	17.492	38.965	28.000	46.911	1737	1784	0.08505	2.794	2.879	163.09	0.2864	21.145
196	1.757	17.517	41.498	28.167	47.152	1871	1918	0.08542	3.002	3.087	164.09	0.2879	21.594
197	1.897	17.542	44.206	28.333	47.393	2022	2069	0.08579	3.235	3.324	165.09	0.2895	22.050
198	2.051	17.567	47.098	28.500	47.634	2185	2243	0.08616	3.497	3.593	166.10	0.2910	22.514
199	2.226	17.592	50.176	28.667	47.875	2365	2443	0.08653	3.717	3.804	167.11	0.2925	22.984
200	2.425	17.617	53.451	28.833	48.119	2579	2677	0.08689	4.179	4.300	168.11	0.2940	23.468

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