

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

FAHR. TEMP. t (F)	HUMIDITY RATIO W _a × 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 _{as}	v _s	h _g	h _{as}	h _s	s _g	s _{as}	s _s	Enthalpy BTU/Lb h _w	Entropy BTU/(Lb) (F) s _w	Vap. Press In. Hg p _s × 10 ³	FAHR. TEMP. t (F)
-160	0.0002120	7.520	0.000	7.520	-38.504	0.000	-38.504	-0.10300	0.00000	-0.10300	-222.00	-0.4907	0.0001009	-160
-155	0.0003859	7.647	0.000	7.647	-37.296	0.000	-37.296	-0.09901	0.00000	-0.09901	-220.40	-0.4833	0.0001842	-155
-150	0.0006832	7.775	0.000	7.775	-36.088	0.000	-36.088	-0.09508	0.00000	-0.09508	-218.77	-0.4800	0.0003301	-150
-145	0.0012119	7.902	0.000	7.902	-34.881	0.000	-34.881	-0.09121	0.00000	-0.09121	-217.12	-0.4747	0.0005507	-145
-140	0.0021009	8.029	0.000	8.029	-33.674	0.000	-33.674	-0.08740	0.00000	-0.08740	-215.44	-0.4695	0.0010004	-140
-135	0.0033563	8.155	0.000	8.155	-32.468	0.000	-32.468	-0.08365	0.00000	-0.08365	-213.78	-0.4642	0.0017007	-135
-130	0.0050000	8.283	0.000	8.283	-31.262	0.000	-31.262	-0.07997	0.00000	-0.07997	-212.03	-0.4590	0.0026588	-130
-125	0.0068857	8.411	0.000	8.411	-30.057	0.000	-30.057	-0.07634	0.00000	-0.07634	-210.28	-0.4538	0.0047100	-125
-120	0.0100606	8.537	0.000	8.537	-28.852	0.000	-28.852	-0.07277	0.00000	-0.07277	-208.52	-0.4485	0.0076530	-120
-115	0.02571	8.664	0.000	8.664	-27.648	0.000	-27.648	-0.06924	0.00000	-0.06924	-206.73	-0.4433	0.01228	-115
-110	0.04663	8.792	0.000	8.792	-26.444	0.000	-26.444	-0.06577	0.00000	-0.06577	-204.92	-0.4381	0.01839	-110
-105	0.06540	8.919	0.000	8.919	-25.240	0.001	-25.238	-0.06234	0.00000	-0.06234	-203.09	-0.4329	0.02628	-105
-100	0.09772	9.046	0.000	9.046	-24.037	0.001	-24.036	-0.05897	0.00000	-0.05897	-201.23	-0.4277	0.04666	-100
-95	0.1469	9.173	0.000	9.173	-22.835	0.002	-22.833	-0.05565	0.00000	-0.05565	-199.35	-0.4225	0.07111	-95
-90	0.2242	9.300	0.000	9.300	-21.631	0.002	-21.629	-0.05237	0.00001	-0.05237	-197.44	-0.4173	0.1071	-90
-85	0.3342	9.426	0.000	9.426	-20.428	0.003	-20.425	-0.04913	0.00001	-0.04913	-195.51	-0.4121	0.1567	-85
-80	0.4920	9.553	0.000	9.553	-19.225	0.005	-19.220	-0.04595	0.00001	-0.04595	-193.55	-0.4069	0.2356	-80
-75	0.7196	9.680	0.000	9.680	-18.022	0.007	-18.015	-0.04278	0.00002	-0.04278	-191.57	-0.4017	0.3441	-75
-70	1.040	9.806	0.000	9.806	-16.820	0.011	-16.809	-0.03960	0.00003	-0.03960	-189.56	-0.3965	0.4976	-70
-65	1.481	9.932	0.000	9.932	-15.617	0.015	-15.602	-0.03643	0.00005	-0.03643	-187.53	-0.3913	0.7130	-65
-60	2.118	10.059	0.000	10.059	-14.416	0.022	-14.394	-0.03330	0.00006	-0.03330	-185.47	-0.3861	1.0127	-60
-55	2.982	10.186	0.000	10.186	-13.214	0.031	-13.183	-0.03021	0.00009	-0.03021	-183.39	-0.3810	1.4283	-55
-50	4.163	10.313	0.001	10.313	-12.012	0.043	-11.969	-0.02764	0.00012	-0.02764	-181.29	-0.3758	1.9910	-50
-45	5.806	10.441	0.001	10.441	-10.810	0.049	-10.757	-0.02518	0.00013	-0.02518	-179.19	-0.3717	2.7654	-45
-40	8.145	10.568	0.001	10.568	-9.608	0.056	-9.545	-0.02332	0.00014	-0.02332	-177.07	-0.3676	3.8408	-40
-35	11.49	10.696	0.001	10.696	-8.405	0.064	-8.332	-0.02150	0.00016	-0.02150	-177.01	-0.3655	5.3706	-35
-30	16.16	10.819	0.002	10.819	-7.202	0.072	-7.119	-0.02072	0.00024	-0.02072	-176.14	-0.3634	7.5058	-30
-25	22.98	10.945	0.003	10.945	-6.000	0.083	-5.907	-0.02008	0.00028	-0.02008	-175.27	-0.3614	10.381	-25
-20	33.91	11.070	0.004	11.070	-4.798	0.105	-4.695	-0.01938	0.00030	-0.01938	-174.40	-0.3593	14.077	-20
-15	50.00	11.197	0.006	11.197	-3.596	0.130	-3.483	-0.01869	0.00034	-0.01869	-173.52	-0.3573	18.790	-15