

# Abridged Callendar steam tables - Btu version

Edward Arnold - The Engineer 1934 Jul

Table I.A. (continued)									
Absolute Temperature (°F)	Temperature (°C)	Density per unit mass (lb.)	Density per unit mass (kg.)	Specific volume (cu. in./lb.)	Specific volume (cu. m/kg.)	Latent heat of vaporization (Btu/lb.)	Latent heat of vaporization (kJ/kg.)	Latent heat of fusion (Btu/lb.)	Latent heat of fusion (kJ/kg.)
225	52.2	369.42	1.972	2150.0	0.00100	2705.5	5.823	5.332	0.00100
240	60.0	359.24	2.024	2184.9	0.00100	2705.5	5.823	5.332	0.00100
255	67.8	349.06	2.076	2219.8	0.00100	2705.5	5.823	5.332	0.00100
270	75.6	338.88	2.128	2254.7	0.00100	2705.5	5.823	5.332	0.00100
285	83.4	328.70	2.180	2289.6	0.00100	2705.5	5.823	5.332	0.00100
300	91.2	318.52	2.232	2324.5	0.00100	2705.5	5.823	5.332	0.00100
315	99.0	308.34	2.284	2359.4	0.00100	2705.5	5.823	5.332	0.00100
330	106.8	298.16	2.336	2394.3	0.00100	2705.5	5.823	5.332	0.00100
345	114.6	287.98	2.388	2429.2	0.00100	2705.5	5.823	5.332	0.00100
360	122.4	277.80	2.440	2464.1	0.00100	2705.5	5.823	5.332	0.00100
375	130.2	267.62	2.492	2509.0	0.00100	2705.5	5.823	5.332	0.00100
390	137.9	257.44	2.544	2543.9	0.00100	2705.5	5.823	5.332	0.00100
405	145.7	247.26	2.596	2578.8	0.00100	2705.5	5.823	5.332	0.00100
420	153.5	237.08	2.648	2613.7	0.00100	2705.5	5.823	5.332	0.00100
435	161.3	226.90	2.699	2648.6	0.00100	2705.5	5.823	5.332	0.00100
450	169.1	216.72	2.751	2683.5	0.00100	2705.5	5.823	5.332	0.00100
465	176.9	206.54	2.803	2718.4	0.00100	2705.5	5.823	5.332	0.00100
480	184.7	196.36	2.855	2753.3	0.00100	2705.5	5.823	5.332	0.00100
495	192.5	186.18	2.906	2788.2	0.00100	2705.5	5.823	5.332	0.00100
510	200.3	175.99	2.958	2823.1	0.00100	2705.5	5.823	5.332	0.00100
525	208.1	165.81	3.010	2858.0	0.00100	2705.5	5.823	5.332	0.00100
540	215.9	155.63	3.062	2892.9	0.00100	2705.5	5.823	5.332	0.00100
555	223.7	145.45	3.114	2927.8	0.00100	2705.5	5.823	5.332	0.00100
570	231.5	135.26	3.166	2962.7	0.00100	2705.5	5.823	5.332	0.00100
585	239.3	125.08	3.218	3007.6	0.00100	2705.5	5.823	5.332	0.00100
600	247.1	114.89	3.270	3042.5	0.00100	2705.5	5.823	5.332	0.00100
615	254.9	104.71	3.322	3077.4	0.00100	2705.5	5.823	5.332	0.00100
630	262.7	94.53	3.374	3112.3	0.00100	2705.5	5.823	5.332	0.00100
645	270.5	84.35	3.426	3147.2	0.00100	2705.5	5.823	5.332	0.00100
660	278.3	74.17	3.478	3182.1	0.00100	2705.5	5.823	5.332	0.00100
675	286.1	63.99	3.530	3217.0	0.00100	2705.5	5.823	5.332	0.00100
690	293.9	53.81	3.582	3251.9	0.00100	2705.5	5.823	5.332	0.00100
705	301.7	43.63	3.634	3286.8	0.00100	2705.5	5.823	5.332	0.00100
720	309.5	33.45	3.686	3321.7	0.00100	2705.5	5.823	5.332	0.00100
735	317.3	23.27	3.738	3356.6	0.00100	2705.5	5.823	5.332	0.00100
750	325.1	13.09	3.790	3391.5	0.00100	2705.5	5.823	5.332	0.00100
765	332.9	2.91	3.842	3426.4	0.00100	2705.5	5.823	5.332	0.00100
780	340.7	-1.17	3.894	3461.3	0.00100	2705.5	5.823	5.332	0.00100
795	348.5	-2.35	3.946	3496.2	0.00100	2705.5	5.823	5.332	0.00100
810	356.3	-3.53	3.998	3531.1	0.00100	2705.5	5.823	5.332	0.00100
825	364.1	-4.71	4.050	3566.0	0.00100	2705.5	5.823	5.332	0.00100
840	371.9	-5.89	4.002	3600.9	0.00100	2705.5	5.823	5.332	0.00100
855	379.7	-7.07	4.054	3635.8	0.00100	2705.5	5.823	5.332	0.00100
870	387.5	-8.25	4.106	3670.7	0.00100	2705.5	5.823	5.332	0.00100
885	395.3	-9.43	4.158	3705.6	0.00100	2705.5	5.823	5.332	0.00100
900	403.1	-10.61	4.210	3740.5	0.00100	2705.5	5.823	5.332	0.00100
915	410.9	-11.79	4.262	3775.4	0.00100	2705.5	5.823	5.332	0.00100
930	418.7	-12.97	4.314	3810.3	0.00100	2705.5	5.823	5.332	0.00100
945	426.5	-14.15	4.366	3845.2	0.00100	2705.5	5.823	5.332	0.00100
960	434.3	-15.33	4.418	3879.1	0.00100	2705.5	5.823	5.332	0.00100
975	442.1	-16.51	4.470	3914.0	0.00100	2705.5	5.823	5.332	0.00100
990	449.9	-17.69	4.522	3948.9	0.00100	2705.5	5.823	5.332	0.00100
1005	457.7	-18.87	4.574	3983.8	0.00100	2705.5	5.823	5.332	0.00100
1020	465.5	-20.05	4.626	4018.7	0.00100	2705.5	5.823	5.332	0.00100
1035	473.3	-21.23	4.678	4053.6	0.00100	2705.5	5.823	5.332	0.00100
1050	481.1	-22.41	4.730	4088.5	0.00100	2705.5	5.823	5.332	0.00100
1065	488.9	-23.59	4.782	4123.4	0.00100	2705.5	5.823	5.332	0.00100
1080	496.7	-24.77	4.834	4158.3	0.00100	2705.5	5.823	5.332	0.00100
1095	504.5	-25.95	4.886	4193.2	0.00100	2705.5	5.823	5.332	0.00100
1110	512.3	-27.13	4.938	4228.1	0.00100	2705.5	5.823	5.332	0.00100
1125	520.1	-28.31	4.990	4263.0	0.00100	2705.5	5.823	5.332	0.00100
1140	527.9	-29.49	5.042	4297.9	0.00100	2705.5	5.823	5.332	0.00100
1155	535.7	-30.67	5.094	4332.8	0.00100	2705.5	5.823	5.332	0.00100
1170	543.5	-31.85	5.146	4367.7	0.00100	2705.5	5.823	5.332	0.00100
1185	551.3	-33.03	5.198	4402.6	0.00100	2705.5	5.823	5.332	0.00100
1200	559.1	-34.21	5.250	4437.5	0.00100	2705.5	5.823	5.332	0.00100
1215	566.9	-35.39	5.302	4472.4	0.00100	2705.5	5.823	5.332	0.00100
1230	574.7	-36.57	5.354	4507.3	0.00100	2705.5	5.823	5.332	0.00100
1245	582.5	-37.75	5.406	4542.2	0.00100	2705.5	5.823	5.332	0.00100
1260	590.3	-38.93	5.458	4577.1	0.00100	2705.5	5.823	5.332	0.00100
1275	598.1	-40.11	5.510	4612.0	0.00100	2705.5	5.823	5.332	0.00100
1290	605.9	-41.29	5.562	4646.9	0.00100	2705.5	5.823	5.332	0.00100
1305	613.7	-42.47	5.614	4681.8	0.00100	2705.5	5.823	5.332	0.00100
1320	621.5	-43.65	5.666	4716.7	0.00100	2705.5	5.823	5.332	0.00100
1335	629.3	-44.83	5.718	4751.6	0.00100	2705.5	5.823	5.332	0.00100
1350	637.1	-46.01	5.770	4786.5	0.00100	2705.5	5.823	5.332	0.00100
1365	644.9	-47.19	5.822	4821.4	0.00100	2705.5	5.823	5.332	0.00100
1380	652.7	-48.37	5.874	4856.3	0.00100	2705.5	5.823	5.332	0.00100
1395	660.5	-49.55	5.926	4891.2	0.00100	2705.5	5.823	5.332	0.00100
1410	668.3	-50.73	5.978	4926.1	0.00100	2705.5	5.823	5.332	0.00100
1425	676.1	-51.91	6.030	4961.0	0.00100	2705.5	5.823	5.332	0.00100
1440	683.9	-53.09	6.082	5000.0	0.00100	2705.5	5.823	5.332	0.00100
1455	691.7	-54.27	6.134	5034.9	0.00100	2705.5	5.823	5.332	0.00100
1470	699.5	-55.45	6.186	5069.8	0.00100	2705.5	5.823	5.332	0.00100
1485	707.3	-56.63	6.238	5104.7	0.00100	2705.5	5.823	5.332	0.00100
1500	715.1	-57.81	6.290	5139.6	0.00100	2705.5	5.823	5.332	0.00100
1515	722.9	-58.99	6.342	5174.5	0.00100	2705.5	5.823	5.332	0.00100
1530	730.7	-60.17	6.394	5209.4	0.00100	2705.5	5.823	5.332	0.00100
1545	738.5	-61.35	6.446	5244.3	0.00100	2705.5	5.823	5.332	0.00100
1560	746.3	-62.53	6.498	5279.2	0.00100	2705.5	5.823	5.332	0.00100
1575	754.1	-63.71	6.550	5314.1	0.00100	2705.5	5.823	5.332	0.00100
1590	761.9	-64.89	6.602	5349.0	0.00100	2705.5	5.823	5.332	0.00100
1605	769.7	-66.07	6.654	5383.9	0.00100	2705.5	5.823	5.332	0.00100
1620	777.5	-67.25	6.706	5418.8	0.00100	2705.5	5.823	5.332	0.00100
1635	785.3	-68.43	6.758	5453.7	0.00100	2705.5	5.823	5.332	0.00100
1650	793.1	-69.61	6.810	5488.6	0.0010				

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