

Table 3. Compressed Water and Superheated Steam

0.01 MPa ($t_s = 45.806$ °C)					0.02 MPa ($t_s = 60.058$ °C)					0.03 MPa ($t_s = 69.095$ °C)				
v	ρ	h	s	t_s , °C	v	ρ	h	s	t_s , °C	v	ρ	h	s	t_s , °C
1.010 27	989.83	191.81	0.649 20	$t_{s(L)}$	1.017 16	983.13	251.42	0.832 02	$t_{s(L)}$	1.022 24	978.25	289.27	0.944 07	
14 670.	0.068 166	2583.9	8.1488	$t_{s(V)}$	7648.0	0.130 75	2608.9	7.9072	$t_{s(V)}$	5228.4	0.191 26	2624.5	7.7675	
<i>*1.000 20</i>	<i>999.80</i>	<i>-0.03</i>	<i>-0.000 15</i>	0	<i>1.000 20</i>	<i>999.80</i>	<i>-0.02</i>	<i>-0.000 15</i>	0	<i>1.000 19</i>	<i>999.81</i>	<i>-0.01</i>	<i>-0.000 15</i>	
1.000 08	999.92	21.03	0.076 25	5	1.000 07	999.93	21.04	0.076 25	5	1.000 07	999.93	21.05	0.076 25	
1.000 34	999.66	42.03	0.151 09	10	1.000 34	999.66	42.04	0.151 08	10	1.000 33	999.67	42.05	0.151 08	
1.000 94	999.06	62.99	0.224 46	15	1.000 94	999.06	63.00	0.224 46	15	1.000 93	999.07	63.01	0.224 46	
1.001 84	998.17	83.92	0.296 48	20	1.001 83	998.17	83.93	0.296 48	20	1.001 83	998.17	83.94	0.296 48	
1.003 00	997.01	104.84	0.367 22	25	1.003 00	997.01	104.84	0.367 22	25	1.002 99	997.02	104.85	0.367 22	
1.004 41	995.61	125.74	0.436 75	30	1.004 41	995.61	125.75	0.436 75	30	1.004 40	995.62	125.76	0.436 75	
1.006 04	993.99	146.64	0.505 13	35	1.006 04	994.00	146.65	0.505 13	35	1.006 03	994.00	146.66	0.505 12	
1.007 89	992.18	167.54	0.572 40	40	1.007 88	992.18	167.54	0.572 40	40	1.007 88	992.19	167.55	0.572 39	
1.009 92	990.17	188.44	0.638 61	45	1.009 92	990.18	188.44	0.638 61	45	1.009 92	990.18	188.45	0.638 61	
14 867.	0.067 263	2592.0	8.1741	50	1.012 15	988.00	209.35	0.703 81	50	1.012 14	988.00	209.36	0.703 80	
15 101.	0.066 220	2601.6	8.2036	55	1.014 55	985.66	230.26	0.768 02	55	1.014 55	985.66	230.27	0.768 02	
15 335.	0.065 211	2611.2	8.2326	60	1.017 13	983.16	251.18	0.831 29	60	1.017 12	983.16	251.19	0.831 29	
15 568.	0.064 233	2620.7	8.2611	65	7764.8	0.128 79	2618.6	7.9360	65	1.019 87	980.52	272.12	0.893 65	
15 801.	0.063 285	2630.3	8.2891	70	7882.6	0.126 86	2628.3	7.9646	70	5242.8	0.190 74	2626.3	7.7727	
16 034.	0.062 366	2639.8	8.3167	75	8000.2	0.125 00	2638.0	7.9927	75	5322.0	0.187 90	2636.2	7.8013	
16 267.	0.061 474	2649.3	8.3439	80	8117.6	0.123 19	2647.7	8.0202	80	5401.0	0.185 15	2646.0	7.8292	
16 500.	0.060 607	2658.9	8.3707	85	8234.8	0.121 44	2657.4	8.0474	85	5479.7	0.182 49	2655.8	7.8567	
16 732.	0.059 766	2668.4	8.3971	90	8351.8	0.119 73	2667.0	8.0741	90	5558.3	0.179 91	2665.5	7.8837	
16 964.	0.058 947	2677.9	8.4232	95	8468.7	0.118 08	2676.6	8.1004	95	5636.8	0.177 41	2675.3	7.9103	
17 196.	0.058 152	2687.5	8.4489	100	8585.5	0.116 48	2686.2	8.1263	100	5715.1	0.174 97	2685.0	7.9365	
17 428.	0.057 378	2697.0	8.4742	105	8702.2	0.114 91	2695.8	8.1519	105	5793.3	0.172 61	2694.7	7.9623	
17 660.	0.056 624	2706.5	8.4993	110	8818.7	0.113 40	2705.4	8.1771	110	5871.4	0.170 32	2704.3	7.9877	
17 892.	0.055 890	2716.1	8.5240	115	8935.2	0.111 92	2715.0	8.2020	115	5949.5	0.168 08	2714.0	8.0128	
18 124.	0.055 176	2725.6	8.5484	120	9051.6	0.110 48	2724.6	8.2266	120	6027.4	0.165 91	2723.7	8.0375	
18 356.	0.054 479	2735.2	8.5726	125	9167.9	0.109 08	2734.2	8.2509	125	6105.3	0.163 79	2733.3	8.0620	
18 587.	0.053 800	2744.7	8.5964	130	9284.1	0.107 71	2743.9	8.2749	130	6183.0	0.161 73	2743.0	8.0861	
18 819.	0.053 138	2754.3	8.6200	135	9400.3	0.106 38	2753.5	8.2986	135	6260.8	0.159 72	2752.6	8.1099	
19 050.	0.052 493	2763.9	8.6434	140	9516.4	0.105 08	2763.1	8.3220	140	6338.5	0.157 77	2762.3	8.1334	
19 282.	0.051 863	2773.4	8.6664	145	9632.5	0.103 81	2772.7	8.3451	145	6416.1	0.155 86	2772.0	8.1566	
19 513.	0.051 247	2783.0	8.6892	150	9748.6	0.102 58	2782.3	8.3680	150	6493.7	0.154 00	2781.6	8.1796	
19 745.	0.050 647	2792.6	8.7118	155	9864.6	0.101 37	2792.0	8.3907	155	6571.2	0.152 18	2791.3	8.2023	
19 976.	0.050 060	2802.3	8.7341	160	9980.5	0.100 20	2801.6	8.4131	160	6648.7	0.150 40	2801.0	8.2248	
20 207.	0.049 487	2811.9	8.7562	165	10 096.	0.099 045	2811.3	8.4352	165	6726.2	0.148 67	2810.7	8.2470	
20 438.	0.048 927	2821.5	8.7781	170	10 212.	0.097 921	2820.9	8.4572	170	6803.6	0.146 98	2820.4	8.2690	
20 670.	0.048 380	2831.2	8.7997	175	10 328.	0.096 822	2830.6	8.4789	175	6881.1	0.145 33	2830.1	8.2908	
20 901.	0.047 845	2840.8	8.8212	180	10 444.	0.095 748	2840.3	8.5004	180	6958.4	0.143 71	2839.8	8.3123	
21 132.	0.047 321	2850.5	8.8424	185	10 560.	0.094 698	2850.0	8.5216	185	7035.8	0.142 13	2849.5	8.3337	
21 363.	0.046 809	2860.2	8.8634	190	10 676.	0.093 671	2859.7	8.5427	190	7113.1	0.140 58	2859.2	8.3548	
21 594.	0.046 308	2869.9	8.8843	195	10 791.	0.092 666	2869.4	8.5636	195	7190.5	0.139 07	2868.9	8.3757	
21 826.	0.045 818	2879.6	8.9049	200	10 907.	0.091 682	2879.1	8.5843	200	7267.7	0.137 59	2878.7	8.3964	
22 288.	0.044 868	2899.1	8.9456	210	11 139.	0.089 777	2898.6	8.6250	210	7422.3	0.134 73	2898.2	8.4372	
22 750.	0.043 956	2918.6	8.9856	220	11 370.	0.087 950	2918.2	8.6651	220	7576.8	0.131 98	2917.8	8.4773	
23 212.	0.043 081	2938.1	9.0248	230	11 601.	0.086 197	2937.8	8.7044	230	7731.2	0.129 35	2937.4	8.5167	
23 674.	0.042 240	2957.8	9.0635	240	11 833.	0.084 512	2957.4	8.7431	240	7885.5	0.126 81	2957.1	8.5554	
24 136.	0.041 432	2977.4	9.1015	250	12 064.	0.082 892	2977.1	8.7811	250	8039.9	0.124 38	2976.8	8.5935	
24 598.	0.040 654	2997.2	9.1388	260	12 295.	0.081 333	2996.9	8.8185	260	8194.1	0.122 04	2996.6	8.6309	
25 060.	0.039 904	3017.0	9.1756	270	12 526.	0.079 832	3016.7	8.8553	270	8348.4	0.119 78	3016.4	8.6678	
25 522.	0.039 182	3036.8	9.2118	280	12 757.	0.078 386	3036.6	8.8916	280	8502.6	0.117 61	3036.3	8.7041	
25 984.	0.038 486	3056.8	9.2475	290	12 989.	0.076 991	3056.5	8.9273	290	8656.8	0.115 52	3056.2	8.7398	

*Values in italics indicate points where the thermodynamic equilibrium state would be a solid; the computed values are for the metastable liquid.

Table 3. Compressed Water and Superheated Steam (continued)

0.01 MPa ($t_s = 45.806\text{ }^\circ\text{C}$)					$t, \text{ }^\circ\text{C}$	0.02 MPa ($t_s = 60.058\text{ }^\circ\text{C}$)					$t, \text{ }^\circ\text{C}$	0.03 MPa ($t_s = 69.095\text{ }^\circ\text{C}$)				
v	ρ	h	s			v	ρ	h	s			v	ρ	h	s	
26 446.	0.037 814	3076.7	9.2827	300	13 220.	0.075 645	3076.5	8.9625	300	8811.0	0.113 49	3076.2	8.7750			
26 907.	0.037 164	3096.8	9.3173	310	13 451.	0.074 346	3096.5	8.9972	310	8965.1	0.111 54	3096.3	8.8097			
27 369.	0.036 537	3116.9	9.3515	320	13 682.	0.073 090	3116.7	9.0314	320	9119.2	0.109 66	3116.4	8.8439			
27 831.	0.035 931	3137.0	9.3852	330	13 913.	0.071 876	3136.8	9.0651	330	9273.3	0.107 84	3136.6	8.8777			
28 293.	0.035 345	3157.3	9.4185	340	14 144.	0.070 703	3157.1	9.0983	340	9427.4	0.106 07	3156.9	8.9110			
28 755.	0.034 777	3177.5	9.4513	350	14 375.	0.069 566	3177.4	9.1312	350	9581.5	0.104 37	3177.2	8.9438			
29 216.	0.034 228	3197.9	9.4837	360	14 606.	0.068 466	3197.7	9.1636	360	9735.6	0.102 72	3197.5	8.9763			
29 678.	0.033 695	3218.3	9.5157	370	14 837.	0.067 400	3218.1	9.1956	370	9889.6	0.101 12	3218.0	9.0083			
30 140.	0.033 179	3238.8	9.5473	380	15 068.	0.066 367	3238.6	9.2272	380	10 044.	0.099 565	3238.5	9.0399			
30 601.	0.032 678	3259.3	9.5785	390	15 299.	0.065 365	3259.2	9.2584	390	10 198.	0.098 062	3259.0	9.0711			
31 063.	0.032 193	3279.9	9.6094	400	15 530.	0.064 393	3279.8	9.2893	400	10 352.	0.096 603	3279.6	9.1020			
31 525.	0.031 721	3300.6	9.6398	410	15 760.	0.063 450	3300.5	9.3198	410	10 506.	0.095 187	3300.3	9.1325			
31 986.	0.031 263	3321.4	9.6700	420	15 991.	0.062 534	3321.2	9.3499	420	10 660.	0.093 811	3321.1	9.1627			
32 448.	0.030 818	3342.2	9.6998	430	16 222.	0.061 644	3342.0	9.3797	430	10 814.	0.092 476	3341.9	9.1925			
32 910.	0.030 386	3363.0	9.7293	440	16 453.	0.060 779	3362.9	9.4092	440	10 968.	0.091 177	3362.8	9.2220			
33 371.	0.029 966	3384.0	9.7584	450	16 684.	0.059 937	3383.9	9.4384	450	11 122.	0.089 915	3383.7	9.2511			
33 833.	0.029 557	3405.0	9.7873	460	16 915.	0.059 119	3404.9	9.4672	460	11 276.	0.088 687	3404.7	9.2800			
34 295.	0.029 159	3426.1	9.8158	470	17 146.	0.058 323	3425.9	9.4958	470	11 430.	0.087 493	3425.8	9.3086			
34 756.	0.028 772	3447.2	9.8441	480	17 377.	0.057 548	3447.1	9.5241	480	11 584.	0.086 330	3447.0	9.3368			
35 218.	0.028 395	3468.4	9.8721	490	17 608.	0.056 794	3468.3	9.5520	490	11 737.	0.085 197	3468.2	9.3648			
35 680.	0.028 027	3489.7	9.8998	500	17 838.	0.056 059	3489.6	9.5798	500	11 891.	0.084 094	3489.5	9.3925			
36 603.	0.027 320	3532.5	9.9544	520	18 300.	0.054 644	3532.4	9.6344	520	12 199.	0.081 972	3532.3	9.4471			
37 526.	0.026 648	3575.5	10.008	540	18 762.	0.053 300	3575.4	9.6880	540	12 507.	0.079 954	3575.3	9.5007			
38 449.	0.026 008	3618.8	10.061	560	19 224.	0.052 020	3618.7	9.7406	560	12 815.	0.078 034	3618.6	9.5534			
39 372.	0.025 398	3662.4	10.112	580	19 685.	0.050 800	3662.3	9.7923	580	13 123.	0.076 203	3662.2	9.6051			
40 296.	0.024 817	3706.3	10.163	600	20 147.	0.049 636	3706.2	9.8431	600	13 431.	0.074 457	3706.1	9.6559			
41 219.	0.024 261	3750.4	10.213	620	20 609.	0.048 524	3750.4	9.8932	620	13 738.	0.072 789	3750.3	9.7060			
42 142.	0.023 729	3794.9	10.262	640	21 070.	0.047 461	3794.8	9.9424	640	14 046.	0.071 193	3794.7	9.7552			
43 065.	0.023 221	3839.6	10.311	660	21 532.	0.046 443	3839.5	9.9908	660	14 354.	0.069 667	3839.5	9.8036			
43 988.	0.022 733	3884.6	10.358	680	21 993.	0.045 468	3884.5	10.039	680	14 662.	0.068 204	3884.5	9.8514			
44 911.	0.022 266	3929.9	10.406	700	22 455.	0.044 533	3929.8	10.086	700	14 970.	0.066 802	3929.8	9.8984			
45 834.	0.021 818	3975.5	10.452	720	22 917.	0.043 636	3975.4	10.132	720	15 277.	0.065 456	3975.4	9.9448			
46 758.	0.021 387	4021.3	10.498	740	23 378.	0.042 775	4021.3	10.178	740	15 585.	0.064 164	4021.2	9.9905			
47 681.	0.020 973	4067.5	10.543	760	23 840.	0.041 947	4067.4	10.223	760	15 893.	0.062 921	4067.4	10.036			
48 604.	0.020 575	4113.9	10.587	780	24 301.	0.041 150	4113.9	10.267	780	16 201.	0.061 726	4113.8	10.080			
49 527.	0.020 191	4160.6	10.631	800	24 763.	0.040 383	4160.6	10.311	800	16 508.	0.060 575	4160.5	10.124			
50 450.	0.019 822	4207.6	10.675	820	25 225.	0.039 644	4207.6	10.355	820	16 816.	0.059 467	4207.5	10.167			
51 373.	0.019 465	4254.9	10.717	840	25 686.	0.038 931	4254.8	10.397	840	17 124.	0.058 398	4254.8	10.210			
52 296.	0.019 122	4302.4	10.760	860	26 148.	0.038 244	4302.4	10.440	860	17 432.	0.057 367	4302.3	10.253			
53 219.	0.018 790	4350.2	10.802	880	26 609.	0.037 581	4350.2	10.482	880	17 739.	0.056 372	4350.2	10.294			
54 142.	0.018 470	4398.3	10.843	900	27 071.	0.036 940	4398.3	10.523	900	18 047.	0.055 411	4398.3	10.336			
55 065.	0.018 160	4446.7	10.884	920	27 532.	0.036 321	4446.7	10.564	920	18 355.	0.054 482	4446.6	10.377			
55 989.	0.017 861	4495.3	10.924	940	27 994.	0.035 722	4495.3	10.604	940	18 663.	0.053 583	4495.3	10.417			
56 912.	0.017 571	4544.2	10.964	960	28 456.	0.035 142	4544.2	10.644	960	18 970.	0.052 714	4544.2	10.457			
57 835.	0.017 291	4593.4	11.004	980	28 917.	0.034 582	4593.4	10.684	980	19 278.	0.051 873	4593.3	10.497			
58 758.	0.017 019	4642.8	11.043	1000	29 379.	0.034 038	4642.8	10.723	1000	19 586.	0.051 058	4642.8	10.536			
63 373.	0.015 780	4893.7	11.233	1100	31 686.	0.031 559	4893.7	10.913	1100	21 124.	0.047 339	4893.7	10.725			
67 988.	0.014 708	5150.7	11.413	1200	33 994.	0.029 417	5150.7	11.093	1200	22 663.	0.044 125	5150.7	10.906			
72 604.	0.013 773	5413.4	11.586	1300	36 302.	0.027 547	5413.4	11.266	1300	24 201.	0.041 320	5413.4	11.079			
77 219.	0.012 950	5681.3	11.751	1400	38 610.	0.025 900	5681.3	11.431	1400	25 740.	0.038 850	5681.2	11.244			
81 834.	0.012 220	5954.0	11.909	1500	40 917.	0.024 440	5954.0	11.589	1500	27 278.	0.036 659	5953.9	11.402			
86 450.	0.011 567	6231.1	12.061	1600	43 225.	0.023 135	6231.1	11.741	1600	28 817.	0.034 702	6231.1	11.554			
95 680.	0.010 452	6797.2	12.348	1800	47 840.	0.020 903	6797.2	12.028	1800	31 894.	0.031 354	6797.2	11.841			
104 910.	0.009 532	7377.0	12.615	2000	52 455.	0.019 064	7377.0	12.295	2000	34 970.	0.028 596	7377.0	12.108			

Table 3. Compressed Water and Superheated Steam (continued)

0.04 MPa ($t_s = 75.857\text{ }^\circ\text{C}$)				$t_s, \text{ }^\circ\text{C}$	0.05 MPa ($t_s = 81.317\text{ }^\circ\text{C}$)				$t_s, \text{ }^\circ\text{C}$	0.06 MPa ($t_s = 85.926\text{ }^\circ\text{C}$)			
v	ρ	h	s		v	ρ	h	s		v	ρ	h	s
1.026 38	974.30	317.62	1.0261	$t_s(\text{L})$	1.029 93	970.94	340.54	1.0912	$t_s(\text{L})$	1.033 07	967.99	359.91	1.1454
3993.0	0.250 44	2636.1	7.6690	$t_s(\text{V})$	3240.0	0.308 64	2645.2	7.5930	$t_s(\text{V})$	2731.7	0.366 07	2652.9	7.5311
<i>1.000 19</i>	<i>999.81</i>	<i>0.00</i>	<i>-0.000 15</i>	0	<i>1.000 18</i>	<i>999.82</i>	<i>0.01</i>	<i>-0.000 15</i>	0	<i>1.000 18</i>	<i>999.82</i>	<i>0.02</i>	<i>-0.000 15</i>
1.000 06	999.94	21.06	0.076 25	5	1.000 06	999.94	21.07	0.076 25	5	1.000 05	999.95	21.08	0.076 25
1.000 33	999.67	42.06	0.151 08	10	1.000 32	999.68	42.07	0.151 08	10	1.000 32	999.68	42.08	0.151 08
1.000 93	999.07	63.02	0.224 46	15	1.000 92	999.08	63.03	0.224 46	15	1.000 92	999.08	63.04	0.224 45
1.001 82	998.18	83.95	0.296 48	20	1.001 82	998.18	83.96	0.296 47	20	1.001 82	998.19	83.97	0.296 47
1.002 99	997.02	104.86	0.367 22	25	1.002 98	997.02	104.87	0.367 21	25	1.002 98	997.03	104.88	0.367 21
1.004 40	995.62	125.77	0.436 74	30	1.004 39	995.63	125.78	0.436 74	30	1.004 39	995.63	125.78	0.436 74
1.006 03	994.01	146.66	0.505 12	35	1.006 03	994.01	146.67	0.505 11	35	1.006 02	994.02	146.68	0.505 11
1.007 87	992.19	167.56	0.572 39	40	1.007 87	992.19	167.57	0.572 39	40	1.007 86	992.20	167.58	0.572 38
1.009 91	990.19	188.46	0.638 60	45	1.009 91	990.19	188.47	0.638 60	45	1.009 90	990.19	188.48	0.638 59
1.012 14	988.01	209.37	0.703 80	50	1.012 13	988.01	209.37	0.703 79	50	1.012 13	988.02	209.38	0.703 79
1.014 54	985.67	230.28	0.768 01	55	1.014 54	985.67	230.29	0.768 01	55	1.014 53	985.68	230.29	0.768 00
1.017 12	983.17	251.20	0.831 28	60	1.017 11	983.17	251.21	0.831 28	60	1.017 11	983.18	251.21	0.831 27
1.019 86	980.52	272.13	0.893 64	65	1.019 86	980.53	272.14	0.893 64	65	1.019 85	980.53	272.14	0.893 63
1.022 77	977.74	293.07	0.955 13	70	1.022 76	977.74	293.08	0.955 12	70	1.022 76	977.75	293.09	0.955 12
1.025 84	974.82	314.03	1.0158	75	1.025 83	974.82	314.04	1.0158	75	1.025 83	974.82	314.05	1.0158
4042.5	0.247 37	2644.3	7.6925	80	1.029 05	971.77	335.01	1.0756	80	1.029 05	971.77	335.02	1.0756
4102.1	0.243 78	2654.2	7.7204	85	3275.4	0.305 30	2652.6	7.6138	85	1.032 43	968.59	356.02	1.1346
4161.5	0.240 30	2664.1	7.7477	90	3323.3	0.300 90	2662.6	7.6415	90	2764.5	0.361 73	2661.1	7.5540
4220.8	0.236 92	2673.9	7.7746	95	3371.1	0.296 64	2672.5	7.6686	95	2804.6	0.356 56	2671.1	7.5814
4279.9	0.233 65	2683.7	7.8010	100	3418.7	0.292 51	2682.4	7.6953	100	2844.5	0.351 56	2681.1	7.6084
4338.9	0.230 47	2693.5	7.8270	105	3466.1	0.288 50	2692.3	7.7215	105	2884.3	0.346 70	2691.1	7.6348
4397.8	0.227 39	2703.2	7.8527	110	3513.5	0.284 62	2702.1	7.7474	110	2924.0	0.342 00	2701.0	7.6609
4456.6	0.224 39	2713.0	7.8779	115	3560.8	0.280 84	2711.9	7.7728	115	2963.6	0.337 43	2710.9	7.6865
4515.3	0.221 47	2722.7	7.9028	120	3608.0	0.277 16	2721.7	7.7978	120	3003.1	0.332 99	2720.7	7.7117
4573.9	0.218 63	2732.4	7.9274	125	3655.1	0.273 59	2731.5	7.8225	125	3042.5	0.328 68	2730.5	7.7365
4632.5	0.215 87	2742.1	7.9516	130	3702.1	0.270 12	2741.2	7.8469	130	3081.9	0.324 48	2740.3	7.7610
4691.0	0.213 17	2751.8	7.9755	135	3749.1	0.266 73	2751.0	7.8710	135	3121.2	0.320 39	2750.1	7.7852
4749.5	0.210 55	2761.5	7.9992	140	3796.0	0.263 43	2760.7	7.8947	140	3160.4	0.316 42	2759.9	7.8090
4807.9	0.207 99	2771.2	8.0225	145	3842.9	0.260 22	2770.5	7.9181	145	3199.6	0.312 54	2769.7	7.8326
4866.2	0.205 50	2780.9	8.0456	150	3889.7	0.257 09	2780.2	7.9413	150	3238.7	0.308 76	2779.5	7.8558
4924.5	0.203 06	2790.6	8.0684	155	3936.5	0.254 03	2790.0	7.9642	155	3277.8	0.305 08	2789.3	7.8788
4982.8	0.200 69	2800.3	8.0909	160	3983.3	0.251 05	2799.7	7.9868	160	3316.9	0.301 49	2799.0	7.9015
5041.1	0.198 37	2810.1	8.1132	165	4030.0	0.248 14	2809.4	8.0091	165	3355.9	0.297 98	2808.8	7.9239
5099.3	0.196 11	2819.8	8.1353	170	4076.6	0.245 30	2819.2	8.0312	170	3394.9	0.294 56	2818.6	7.9461
5157.5	0.193 89	2829.5	8.1571	175	4123.3	0.242 52	2828.9	8.0531	175	3433.8	0.291 22	2828.4	7.9680
5215.6	0.191 73	2839.2	8.1787	180	4169.9	0.239 81	2838.7	8.0748	180	3472.8	0.287 95	2838.1	7.9897
5273.7	0.189 62	2849.0	8.2000	185	4216.5	0.237 16	2848.4	8.0962	185	3511.7	0.284 76	2847.9	8.0112
5331.9	0.187 55	2858.7	8.2212	190	4263.1	0.234 57	2858.2	8.1174	190	3550.6	0.281 65	2857.7	8.0324
5389.9	0.185 53	2868.5	8.2421	195	4309.6	0.232 04	2868.0	8.1384	195	3589.4	0.278 60	2867.5	8.0535
5448.0	0.183 55	2878.2	8.2629	200	4356.2	0.229 56	2877.8	8.1592	200	3628.3	0.275 61	2877.3	8.0743
5564.1	0.179 72	2897.8	8.3038	210	4449.2	0.224 76	2897.4	8.2001	210	3705.9	0.269 84	2896.9	8.1153
5680.1	0.176 05	2917.4	8.3440	220	4542.1	0.220 16	2917.0	8.2404	220	3783.4	0.264 31	2916.6	8.1556
5796.1	0.172 53	2937.0	8.3834	230	4635.0	0.215 75	2936.7	8.2799	230	3860.9	0.259 00	2936.3	8.1952
5912.0	0.169 15	2956.7	8.4222	240	4727.8	0.211 51	2956.4	8.3187	240	3938.4	0.253 91	2956.0	8.2340
6027.8	0.165 90	2976.5	8.4603	250	4820.6	0.207 44	2976.1	8.3568	250	4015.8	0.249 02	2975.8	8.2722
6143.7	0.162 77	2996.3	8.4977	260	4913.4	0.203 53	2996.0	8.3943	260	4093.2	0.244 31	2995.7	8.3098
6259.4	0.159 76	3016.1	8.5346	270	5006.1	0.199 76	3015.8	8.4313	270	4170.5	0.239 78	3015.5	8.3467
6375.2	0.156 86	3036.0	8.5709	280	5098.8	0.196 13	3035.8	8.4676	280	4247.8	0.235 42	3035.5	8.3831
6490.9	0.154 06	3056.0	8.6067	290	5191.4	0.192 63	3055.7	8.5034	290	4325.1	0.231 21	3055.5	8.4189

Table 3. Compressed Water and Superheated Steam (continued)

0.04 MPa ($t_s = 75.857\text{ }^\circ\text{C}$)				$t, \text{ }^\circ\text{C}$	0.05 MPa ($t_s = 81.317\text{ }^\circ\text{C}$)				$t, \text{ }^\circ\text{C}$	0.06 MPa ($t_s = 85.926\text{ }^\circ\text{C}$)			
v	ρ	h	s		v	ρ	h	s		v	ρ	h	s
6606.6	0.151 36	3076.0	8.6419	300	5284.0	0.189 25	3075.8	8.5386	300	4402.3	0.227 15	3075.5	8.4542
6722.3	0.148 76	3096.1	8.6767	310	5376.7	0.185 99	3095.8	8.5734	310	4479.5	0.223 24	3095.6	8.4889
6838.0	0.146 24	3116.2	8.7109	320	5469.2	0.182 84	3116.0	8.6076	320	4556.7	0.219 45	3115.8	8.5232
6953.6	0.143 81	3136.4	8.7447	330	5561.8	0.179 80	3136.2	8.6414	330	4633.9	0.215 80	3136.0	8.5570
7069.3	0.141 46	3156.7	8.7780	340	5654.4	0.176 85	3156.5	8.6747	340	4711.1	0.212 26	3156.3	8.5904
7184.9	0.139 18	3177.0	8.8108	350	5746.9	0.174 01	3176.8	8.7076	350	4788.3	0.208 84	3176.6	8.6232
7300.5	0.136 98	3197.4	8.8433	360	5839.4	0.171 25	3197.2	8.7401	360	4865.4	0.205 53	3197.0	8.6557
7416.1	0.134 84	3217.8	8.8753	370	5931.9	0.168 58	3217.6	8.7721	370	4942.5	0.202 33	3217.4	8.6878
7531.6	0.132 77	3238.3	8.9069	380	6024.4	0.165 99	3238.1	8.8038	380	5019.6	0.199 22	3238.0	8.7194
7647.2	0.130 77	3258.9	8.9382	390	6116.9	0.163 48	3258.7	8.8350	390	5096.7	0.196 20	3258.5	8.7507
7762.8	0.128 82	3279.5	8.9691	400	6209.4	0.161 05	3279.3	8.8659	400	5173.8	0.193 28	3279.2	8.7816
7878.3	0.126 93	3300.2	8.9996	410	6301.9	0.158 68	3300.0	8.8964	410	5250.9	0.190 44	3299.9	8.8121
7993.8	0.125 10	3320.9	9.0297	420	6394.3	0.156 39	3320.8	8.9266	420	5328.0	0.187 69	3320.7	8.8423
8109.4	0.123 31	3341.8	9.0596	430	6486.8	0.154 16	3341.6	8.9564	430	5405.1	0.185 01	3341.5	8.8721
8224.9	0.121 58	3362.6	9.0891	440	6579.2	0.151 99	3362.5	8.9859	440	5482.1	0.182 41	3362.4	8.9017
8340.4	0.119 90	3383.6	9.1182	450	6671.7	0.149 89	3383.5	9.0151	450	5559.2	0.179 88	3383.3	8.9308
8455.9	0.118 26	3404.6	9.1471	460	6764.1	0.147 84	3404.5	9.0440	460	5636.2	0.177 42	3404.4	8.9597
8571.4	0.116 67	3425.7	9.1757	470	6856.5	0.145 85	3425.6	9.0726	470	5713.3	0.175 03	3425.5	8.9883
8686.9	0.115 12	3446.9	9.2039	480	6948.9	0.143 91	3446.7	9.1008	480	5790.3	0.172 70	3446.6	9.0166
8802.4	0.113 61	3468.1	9.2319	490	7041.4	0.142 02	3468.0	9.1288	490	5867.3	0.170 44	3467.9	9.0446
8917.9	0.112 13	3489.4	9.2596	500	7133.8	0.140 18	3489.3	9.1566	500	5944.4	0.168 23	3489.2	9.0723
9148.8	0.109 30	3532.2	9.3143	520	7318.6	0.136 64	3532.1	9.2112	520	6098.4	0.163 98	3532.0	9.1270
9379.8	0.106 61	3575.2	9.3679	540	7503.4	0.133 27	3575.1	9.2648	540	6252.4	0.159 94	3575.0	9.1806
9610.7	0.104 05	3618.5	9.4205	560	7688.1	0.130 07	3618.5	9.3175	560	6406.4	0.156 09	3618.4	9.2332
9841.6	0.101 61	3662.2	9.4723	580	7872.9	0.127 02	3662.1	9.3692	580	6560.4	0.152 43	3662.0	9.2850
10 073.	0.099 280	3706.0	9.5231	600	8057.6	0.124 11	3706.0	9.4201	600	6714.4	0.148 93	3705.9	9.3358
10 303.	0.097 055	3750.2	9.5731	620	8242.4	0.121 32	3750.1	9.4701	620	6868.4	0.145 60	3750.1	9.3859
10 534.	0.094 928	3794.7	9.6223	640	8427.1	0.118 66	3794.6	9.5193	640	7022.3	0.142 40	3794.5	9.4351
10 765.	0.092 892	3839.4	9.6708	660	8611.8	0.116 12	3839.3	9.5678	660	7176.3	0.139 35	3839.3	9.4836
10 996.	0.090 942	3884.4	9.7185	680	8796.5	0.113 68	3884.4	9.6155	680	7330.2	0.136 42	3884.3	9.5313
11 227.	0.089 072	3929.7	9.7656	700	8981.2	0.111 34	3929.7	9.6625	700	7484.1	0.133 62	3929.6	9.5784
11 458.	0.087 277	3975.3	9.8119	720	9165.9	0.109 10	3975.3	9.7089	720	7638.1	0.130 92	3975.2	9.6247
11 689.	0.085 554	4021.2	9.8577	740	9350.6	0.106 94	4021.1	9.7546	740	7792.0	0.128 34	4021.1	9.6705
11 919.	0.083 897	4067.3	9.9028	760	9535.3	0.104 87	4067.3	9.7998	760	7945.9	0.125 85	4067.2	9.7156
12 150.	0.082 303	4113.8	9.9473	780	9720.0	0.102 88	4113.7	9.8443	780	8099.8	0.123 46	4113.7	9.7601
12 381.	0.080 769	4160.5	9.9912	800	9904.7	0.100 96	4160.4	9.8882	800	8253.7	0.121 16	4160.4	9.8040
12 612.	0.079 290	4207.5	10.035	820	10 089.	0.099 115	4207.4	9.9316	820	8407.6	0.118 94	4207.4	9.8474
12 843.	0.077 865	4254.8	10.077	840	10 274.	0.097 333	4254.7	9.9745	840	8561.5	0.116 80	4254.7	9.8903
13 074.	0.076 490	4302.3	10.120	860	10 459.	0.095 614	4302.3	10.017	860	8715.4	0.114 74	4302.2	9.9326
13 304.	0.075 163	4350.1	10.162	880	10 643.	0.093 955	4350.1	10.059	880	8869.3	0.112 75	4350.1	9.9745
13 535.	0.073 882	4398.2	10.203	900	10 828.	0.092 353	4398.2	10.100	900	9023.2	0.110 83	4398.2	10.016
13 766.	0.072 643	4446.6	10.244	920	11 013.	0.090 805	4446.6	10.141	920	9177.1	0.108 97	4446.5	10.057
13 997.	0.071 445	4495.2	10.284	940	11 197.	0.089 307	4495.2	10.181	940	9331.0	0.107 17	4495.2	10.097
14 228.	0.070 286	4544.1	10.324	960	11 382.	0.087 858	4544.1	10.221	960	9484.9	0.105 43	4544.1	10.137
14 458.	0.069 164	4593.3	10.364	980	11 567.	0.086 456	4593.3	10.261	980	9638.8	0.103 75	4593.2	10.177
14 689.	0.068 077	4642.7	10.403	1000	11 751.	0.085 097	4642.7	10.300	1000	9792.7	0.102 12	4642.7	10.216
15 843.	0.063 119	4893.7	10.593	1100	12 674.	0.078 899	4893.7	10.490	1100	10 562.	0.094 679	4893.6	10.406
16 997.	0.058 834	5150.7	10.773	1200	13 598.	0.073 542	5150.7	10.670	1200	11 331.	0.088 251	5150.6	10.586
18 151.	0.055 093	5413.3	10.946	1300	14 521.	0.068 867	5413.3	10.843	1300	12 101.	0.082 640	5413.3	10.759
19 305.	0.051 800	5681.2	11.111	1400	15 444.	0.064 750	5681.2	11.008	1400	12 870.	0.077 700	5681.2	10.924
20 459.	0.048 879	5953.9	11.269	1500	16 367.	0.061 098	5953.9	11.166	1500	13 639.	0.073 318	5953.9	11.082
21 613.	0.046 269	6231.1	11.421	1600	17 290.	0.057 836	6231.1	11.318	1600	14 409.	0.069 403	6231.0	11.234
23 920.	0.041 806	6797.2	11.708	1800	19 136.	0.052 257	6797.2	11.605	1800	15 947.	0.062 708	6797.2	11.521
26 228.	0.038 127	7377.0	11.975	2000	20 982.	0.047 659	7377.0	11.872	2000	17 485.	0.057 190	7377.0	11.788

Table 3. Compressed Water and Superheated Steam (continued)

0.07 MPa ($t_s = 89.932$ °C)				t_s , °C	0.08 MPa ($t_s = 93.486$ °C)				t_s , °C	0.09 MPa ($t_s = 96.687$ °C)			
v	ρ	h	s		v	ρ	h	s		v	ρ	h	s
1.035 90	965.34	376.75	1.1921	$t_{s(L)}$	1.038 50	962.93	391.71	1.2330	$t_{s(L)}$	1.040 91	960.70	405.20	1.2696
2364.8	0.422 87	2659.4	7.4790	$t_{s(V)}$	2087.1	0.479 14	2665.2	7.4339	$t_{s(V)}$	1869.4	0.534 94	2670.3	7.3943
<i>1.000 17</i>	<i>999.83</i>	<i>0.03</i>	<i>-0.000 15</i>	0	<i>1.000 17</i>	<i>999.83</i>	<i>0.04</i>	<i>-0.000 15</i>	0	<i>1.000 16</i>	<i>999.84</i>	<i>0.05</i>	<i>-0.000 15</i>
1.000 05	999.95	21.09	0.076 25	5	1.000 04	999.96	21.10	0.076 25	5	1.000 04	999.96	21.11	0.076 25
1.000 31	999.69	42.09	0.151 08	10	1.000 31	999.69	42.10	0.151 08	10	1.000 30	999.70	42.11	0.151 08
1.000 91	999.09	63.05	0.224 45	15	1.000 91	999.09	63.06	0.224 45	15	1.000 90	999.10	63.07	0.224 45
1.001 81	998.19	83.98	0.296 47	20	1.001 81	998.20	83.99	0.296 47	20	1.001 80	998.20	84.00	0.296 47
1.002 98	997.03	104.89	0.367 21	25	1.002 97	997.04	104.90	0.367 21	25	1.002 97	997.04	104.91	0.367 20
1.004 38	995.64	125.79	0.436 73	30	1.004 38	995.64	125.80	0.436 73	30	1.004 37	995.64	125.81	0.436 73
1.006 02	994.02	146.69	0.505 11	35	1.006 01	994.02	146.70	0.505 10	35	1.006 01	994.03	146.71	0.505 10
1.007 86	992.20	167.59	0.572 38	40	1.007 85	992.21	167.60	0.572 37	40	1.007 85	992.21	167.61	0.572 37
1.009 90	990.20	188.49	0.638 59	45	1.009 89	990.20	188.50	0.638 58	45	1.009 89	990.21	188.51	0.638 58
1.012 12	988.02	209.39	0.703 78	50	1.012 12	988.03	209.40	0.703 78	50	1.012 11	988.03	209.41	0.703 77
1.014 53	985.68	230.30	0.768 00	55	1.014 52	985.68	230.31	0.767 99	55	1.014 52	985.69	230.32	0.767 99
1.017 11	983.18	251.22	0.831 27	60	1.017 10	983.19	251.23	0.831 26	60	1.017 10	983.19	251.24	0.831 26
1.019 85	980.54	272.15	0.893 63	65	1.019 84	980.54	272.16	0.893 62	65	1.019 84	980.55	272.17	0.893 62
1.022 76	977.75	293.10	0.955 11	70	1.022 75	977.76	293.11	0.955 10	70	1.022 75	977.76	293.11	0.955 10
1.025 82	974.83	314.06	1.0157	75	1.025 82	974.83	314.06	1.0157	75	1.025 81	974.84	314.07	1.0157
1.029 04	971.78	335.03	1.0756	80	1.029 04	971.78	335.04	1.0756	80	1.029 03	971.79	335.05	1.0756
1.032 42	968.60	356.02	1.1346	85	1.032 42	968.60	356.03	1.1346	85	1.032 41	968.61	356.04	1.1346
2365.3	0.422 79	2659.6	7.4794	90	1.035 95	965.30	377.05	1.1929	90	1.035 94	965.30	377.05	1.1929
2399.9	0.416 69	2669.7	7.5072	95	2096.3	0.477 03	2668.3	7.4424	95	1.039 63	961.88	398.09	1.2504
2434.3	0.410 79	2679.8	7.5344	100	2126.7	0.470 22	2678.5	7.4699	100	1887.4	0.529 84	2677.1	7.4126
2468.7	0.405 08	2689.8	7.5611	105	2156.9	0.463 63	2688.6	7.4969	105	1914.4	0.522 36	2687.4	7.4399
2502.9	0.399 54	2699.8	7.5874	110	2187.0	0.457 25	2698.7	7.5233	110	1941.3	0.515 11	2697.5	7.4665
2537.0	0.394 17	2709.8	7.6132	115	2217.0	0.451 06	2708.7	7.5493	115	1968.1	0.508 10	2707.6	7.4927
2571.0	0.388 95	2719.7	7.6385	120	2246.9	0.445 05	2718.7	7.5749	120	1994.8	0.501 29	2717.7	7.5185
2604.9	0.383 89	2729.6	7.6635	125	2276.8	0.439 22	2728.6	7.6000	125	2021.5	0.494 69	2727.7	7.5438
2638.8	0.378 96	2739.5	7.6882	130	2306.5	0.433 56	2738.6	7.6248	130	2048.0	0.488 27	2737.7	7.5687
2672.6	0.374 16	2749.3	7.7124	135	2336.2	0.428 05	2748.5	7.6492	135	2074.5	0.482 04	2747.6	7.5932
2706.4	0.369 50	2759.1	7.7364	140	2365.8	0.422 68	2758.3	7.6733	140	2101.0	0.475 97	2757.5	7.6174
2740.1	0.364 95	2769.0	7.7600	145	2395.4	0.417 46	2768.2	7.6970	145	2127.3	0.470 07	2767.4	7.6412
2773.7	0.360 53	2778.8	7.7834	150	2424.9	0.412 38	2778.1	7.7204	150	2153.7	0.464 32	2777.3	7.6647
2807.3	0.356 21	2788.6	7.8064	155	2454.4	0.407 43	2787.9	7.7435	155	2180.0	0.458 72	2787.2	7.6879
2840.9	0.352 00	2798.4	7.8292	160	2483.9	0.402 60	2797.7	7.7664	160	2206.2	0.453 27	2797.1	7.7108
2874.4	0.347 90	2808.2	7.8517	165	2513.3	0.397 88	2807.6	7.7889	165	2232.4	0.447 95	2806.9	7.7335
2907.9	0.343 89	2818.0	7.8739	170	2542.7	0.393 29	2817.4	7.8113	170	2258.6	0.442 75	2816.8	7.7559
2941.4	0.339 98	2827.8	7.8959	175	2572.0	0.388 80	2827.2	7.8333	175	2284.7	0.437 69	2826.7	7.7780
2974.8	0.336 16	2837.6	7.9177	180	2601.3	0.384 42	2837.1	7.8551	180	2310.9	0.432 74	2836.5	7.7998
3008.2	0.332 42	2847.4	7.9392	185	2630.6	0.380 14	2846.9	7.8767	185	2336.9	0.427 91	2846.4	7.8214
3041.6	0.328 77	2857.2	7.9605	190	2659.9	0.375 95	2856.7	7.8980	190	2363.0	0.423 19	2856.2	7.8428
3075.0	0.325 21	2867.0	7.9815	195	2689.1	0.371 87	2866.5	7.9191	195	2389.1	0.418 58	2866.1	7.8640
3108.3	0.321 72	2876.8	8.0024	200	2718.4	0.367 87	2876.4	7.9400	200	2415.1	0.414 07	2875.9	7.8849
3175.0	0.314 96	2896.5	8.0435	210	2776.8	0.360 13	2896.1	7.9812	210	2467.1	0.405 34	2895.6	7.9262
3241.5	0.308 50	2916.2	8.0839	220	2835.1	0.352 72	2915.8	8.0216	220	2519.0	0.396 99	2915.4	7.9667
3308.0	0.302 29	2935.9	8.1235	230	2893.4	0.345 62	2935.5	8.0613	230	2570.8	0.388 98	2935.2	8.0064
3374.5	0.296 34	2955.7	8.1624	240	2951.6	0.338 80	2955.3	8.1002	240	2622.7	0.381 29	2955.0	8.0454
3440.9	0.290 62	2975.5	8.2006	250	3009.8	0.332 25	2975.2	8.1385	250	2674.4	0.373 91	2974.8	8.0837
3507.3	0.285 12	2995.4	8.2382	260	3067.9	0.325 95	2995.0	8.1761	260	2726.2	0.366 82	2994.7	8.1213
3573.6	0.279 83	3015.3	8.2752	270	3126.0	0.319 90	3015.0	8.2131	270	2777.9	0.359 99	3014.7	8.1584
3640.0	0.274 73	3035.2	8.3116	280	3184.1	0.314 06	3034.9	8.2496	280	2829.5	0.353 42	3034.7	8.1949
3706.2	0.269 81	3055.2	8.3474	290	3242.1	0.308 44	3055.0	8.2854	290	2881.1	0.347 08	3054.7	8.2307

Table 3. Compressed Water and Superheated Steam (continued)

0.07 MPa ($t_s = 89.932\text{ }^\circ\text{C}$)				$t, \text{ }^\circ\text{C}$	0.08 MPa ($t_s = 93.486\text{ }^\circ\text{C}$)				$t, \text{ }^\circ\text{C}$	0.09 MPa ($t_s = 96.687\text{ }^\circ\text{C}$)			
v	ρ	h	s		v	ρ	h	s		v	ρ	h	s
3772.5	0.265 08	3075.3	8.3827	300	3300.1	0.303 02	3075.0	8.3208	300	2932.8	0.340 98	3074.8	8.2661
3838.7	0.260 50	3095.4	8.4175	310	3358.1	0.297 78	3095.1	8.3556	310	2984.3	0.335 08	3094.9	8.3009
3905.0	0.256 08	3115.6	8.4518	320	3416.1	0.292 73	3115.3	8.3899	320	3035.9	0.329 39	3115.1	8.3353
3971.2	0.251 82	3135.8	8.4856	330	3474.1	0.287 85	3135.6	8.4237	330	3087.5	0.323 89	3135.4	8.3691
4037.3	0.247 69	3156.1	8.5190	340	3532.0	0.283 12	3155.9	8.4571	340	3139.0	0.318 57	3155.7	8.4025
4103.5	0.243 69	3176.4	8.5519	350	3589.9	0.278 56	3176.2	8.4900	350	3190.5	0.313 43	3176.0	8.4354
4169.7	0.239 83	3196.8	8.5844	360	3647.8	0.274 13	3196.6	8.5225	360	3242.0	0.308 45	3196.4	8.4679
4235.8	0.236 08	3217.3	8.6164	370	3705.7	0.269 85	3217.1	8.5546	370	3293.5	0.303 63	3216.9	8.5000
4301.9	0.232 45	3237.8	8.6481	380	3763.6	0.265 70	3237.6	8.5863	380	3345.0	0.298 96	3237.5	8.5317
4368.0	0.228 94	3258.4	8.6794	390	3821.5	0.261 68	3258.2	8.6176	390	3396.4	0.294 43	3258.1	8.5630
4434.1	0.225 52	3279.0	8.7103	400	3879.4	0.257 77	3278.9	8.6485	400	3447.9	0.290 03	3278.7	8.5939
4500.2	0.222 21	3299.7	8.7408	410	3937.2	0.253 99	3299.6	8.6790	410	3499.3	0.285 77	3299.4	8.6245
4566.3	0.218 99	3320.5	8.7710	420	3995.1	0.250 31	3320.4	8.7092	420	3550.8	0.281 63	3320.2	8.6547
4632.4	0.215 87	3341.3	8.8009	430	4052.9	0.246 74	3341.2	8.7391	430	3602.2	0.277 61	3341.1	8.6846
4698.5	0.212 84	3362.3	8.8304	440	4110.7	0.243 27	3362.1	8.7686	440	3653.6	0.273 70	3362.0	8.7141
4764.5	0.209 88	3383.2	8.8596	450	4168.6	0.239 89	3383.1	8.7978	450	3705.0	0.269 90	3383.0	8.7433
4830.6	0.207 01	3404.3	8.8885	460	4226.4	0.236 61	3404.1	8.8267	460	3756.4	0.266 21	3404.0	8.7722
4896.6	0.204 22	3425.4	8.9170	470	4284.2	0.233 42	3425.2	8.8553	470	3807.8	0.262 62	3425.1	8.8008
4962.7	0.201 50	3446.5	8.9453	480	4342.0	0.230 31	3446.4	8.8836	480	3859.2	0.259 12	3446.3	8.8291
5028.7	0.198 86	3467.8	8.9733	490	4399.8	0.227 28	3467.6	8.9116	490	3910.6	0.255 71	3467.5	8.8571
5094.8	0.196 28	3489.1	9.0011	500	4457.6	0.224 34	3488.9	8.9393	500	3962.0	0.252 40	3488.8	8.8849
5226.8	0.191 32	3531.9	9.0557	520	4573.2	0.218 67	3531.8	8.9940	520	4064.8	0.246 02	3531.7	8.9396
5358.9	0.186 61	3574.9	9.1094	540	4688.7	0.213 28	3574.8	9.0476	540	4167.5	0.239 95	3574.7	8.9932
5490.9	0.182 12	3618.3	9.1620	560	4804.3	0.208 15	3618.2	9.1003	560	4270.2	0.234 18	3618.1	9.0459
5622.9	0.177 84	3661.9	9.2138	580	4919.8	0.203 26	3661.8	9.1521	580	4372.9	0.228 68	3661.7	9.0976
5754.9	0.173 76	3705.8	9.2646	600	5035.3	0.198 60	3705.7	9.2029	600	4475.6	0.223 43	3705.7	9.1485
5886.9	0.169 87	3750.0	9.3147	620	5150.8	0.194 14	3749.9	9.2530	620	4578.3	0.218 42	3749.8	9.1986
6018.9	0.166 14	3794.5	9.3639	640	5266.3	0.189 89	3794.4	9.3022	640	4681.0	0.213 63	3794.3	9.2478
6150.9	0.162 58	3839.2	9.4124	660	5381.8	0.185 81	3839.1	9.3507	660	4783.7	0.209 04	3839.1	9.2963
6282.8	0.159 16	3884.2	9.4601	680	5497.3	0.181 91	3884.2	9.3984	680	4886.3	0.204 65	3884.1	9.3440
6414.8	0.155 89	3929.5	9.5072	700	5612.8	0.178 16	3929.5	9.4455	700	4989.0	0.200 44	3929.4	9.3911
6546.7	0.152 75	3975.1	9.5535	720	5728.3	0.174 57	3975.1	9.4919	720	5091.6	0.196 40	3975.0	9.4375
6678.7	0.149 73	4021.0	9.5993	740	5843.7	0.171 12	4021.0	9.5376	740	5194.3	0.192 52	4020.9	9.4832
6810.6	0.146 83	4067.2	9.6444	760	5959.2	0.167 81	4067.1	9.5827	760	5296.9	0.188 79	4067.1	9.5283
6942.6	0.144 04	4113.6	9.6889	780	6074.6	0.164 62	4113.6	9.6273	780	5399.6	0.185 20	4113.5	9.5729
7074.5	0.141 35	4160.3	9.7329	800	6190.1	0.161 55	4160.3	9.6712	800	5502.2	0.181 75	4160.3	9.6168
7206.4	0.138 76	4207.3	9.7763	820	6305.5	0.158 59	4207.3	9.7146	820	5604.8	0.178 42	4207.3	9.6602
7338.4	0.136 27	4254.6	9.8191	840	6421.0	0.155 74	4254.6	9.7575	840	5707.4	0.175 21	4254.5	9.7031
7470.3	0.133 86	4302.2	9.8615	860	6536.4	0.152 99	4302.1	9.7998	860	5810.1	0.172 12	4302.1	9.7454
7602.2	0.131 54	4350.0	9.9033	880	6651.8	0.150 33	4350.0	9.8416	880	5912.7	0.169 13	4349.9	9.7873
7734.1	0.129 30	4398.1	9.9447	900	6767.3	0.147 77	4398.1	9.8830	900	6015.3	0.166 24	4398.0	9.8286
7866.0	0.127 13	4446.5	9.9855	920	6882.7	0.145 29	4446.5	9.9239	920	6117.9	0.163 45	4446.4	9.8695
7997.9	0.125 03	4495.1	10.026	940	6998.1	0.142 90	4495.1	9.9643	940	6220.5	0.160 76	4495.1	9.9099
8129.8	0.123 00	4544.0	10.066	960	7113.6	0.140 58	4544.0	10.004	960	6323.1	0.158 15	4544.0	9.9499
8261.7	0.121 04	4593.2	10.106	980	7229.0	0.138 33	4593.2	10.044	980	6425.7	0.155 62	4593.2	9.9895
8393.7	0.119 14	4642.6	10.145	1000	7344.4	0.136 16	4642.6	10.083	1000	6528.3	0.153 18	4642.6	10.029
9053.1	0.110 46	4893.6	10.334	1100	7921.5	0.126 24	4893.6	10.273	1100	7041.3	0.142 02	4893.6	10.218
9712.6	0.102 96	5150.6	10.515	1200	8498.5	0.117 67	5150.6	10.453	1200	7554.2	0.132 38	5150.6	10.399
10 372.	0.096 413	5413.3	10.688	1300	9075.5	0.110 19	5413.3	10.626	1300	8067.1	0.123 96	5413.3	10.572
11 031.	0.090 650	5681.2	10.853	1400	9652.5	0.103 60	5681.2	10.791	1400	8580.0	0.116 55	5681.2	10.737
11 691.	0.085 537	5953.9	11.011	1500	10 229.	0.097 757	5953.9	10.949	1500	9092.9	0.109 98	5953.9	10.895
12 350.	0.080 970	6231.0	11.163	1600	10 806.	0.092 537	6231.0	11.101	1600	9605.8	0.104 10	6231.0	11.047
13 669.	0.073 159	6797.2	11.450	1800	11 960.	0.083 610	6797.2	11.388	1800	10 631.	0.094 060	6797.2	11.334
14 988.	0.066 722	7377.0	11.717	2000	13 114.	0.076 253	7377.0	11.655	2000	11 657.	0.085 784	7377.0	11.601

Table 3. Compressed Water and Superheated Steam (continued)

0.10 MPa ($t_s = 99.606\text{ }^\circ\text{C}$)				$t_s, \text{ }^\circ\text{C}$	0.11 MPa ($t_s = 102.292\text{ }^\circ\text{C}$)				$t_s, \text{ }^\circ\text{C}$	0.12 MPa ($t_s = 104.784\text{ }^\circ\text{C}$)			
v	ρ	h	s		v	ρ	h	s		v	ρ	h	s
1.043 15	958.63	417.50	1.3028	$t_{s(L)}$	1.045 27	956.69	428.84	1.3330	$t_{s(L)}$	1.047 27	954.86	439.36	1.3609
1693.9	0.590 34	2674.9	7.3588	$t_{s(V)}$	1549.5	0.645 39	2679.2	7.3269	$t_{s(V)}$	1428.4	0.700 10	2683.1	7.2977
<i>1.000 16</i>	<i>999.84</i>	<i>0.06</i>	<i>-0.000 15</i>	0	<i>1.000 15</i>	<i>999.85</i>	<i>0.07</i>	<i>-0.000 15</i>	0	<i>1.000 15</i>	<i>999.85</i>	<i>0.08</i>	<i>-0.000 15</i>
1.000 03	999.97	21.12	0.076 25	5	1.000 03	999.97	21.13	0.076 25	5	1.000 02	999.98	21.14	0.076 25
1.000 30	999.70	42.12	0.151 08	10	1.000 29	999.71	42.13	0.151 08	10	1.000 29	999.71	42.14	0.151 08
1.000 90	999.10	63.08	0.224 45	15	1.000 89	999.11	63.09	0.224 45	15	1.000 89	999.11	63.09	0.224 45
1.001 80	998.21	84.01	0.296 46	20	1.001 79	998.21	84.02	0.296 46	20	1.001 79	998.22	84.02	0.296 46
1.002 96	997.05	104.92	0.367 20	25	1.002 96	997.05	104.93	0.367 20	25	1.002 95	997.06	104.94	0.367 19
1.004 37	995.65	125.82	0.436 73	30	1.004 37	995.65	125.83	0.436 72	30	1.004 36	995.66	125.84	0.436 72
1.006 00	994.03	146.72	0.505 10	35	1.006 00	994.04	146.73	0.505 09	35	1.005 99	994.04	146.74	0.505 09
1.007 85	992.22	167.62	0.572 37	40	1.007 84	992.22	167.62	0.572 36	40	1.007 84	992.22	167.63	0.572 36
1.009 88	990.21	188.51	0.638 58	45	1.009 88	990.22	188.52	0.638 57	45	1.009 88	990.22	188.53	0.638 57
1.012 11	988.03	209.42	0.703 77	50	1.012 11	988.04	209.43	0.703 76	50	1.012 10	988.04	209.43	0.703 76
1.014 52	985.69	230.33	0.767 98	55	1.014 51	985.70	230.34	0.767 98	55	1.014 51	985.70	230.34	0.767 97
1.017 09	983.20	251.25	0.831 25	60	1.017 09	983.20	251.26	0.831 25	60	1.017 08	983.20	251.26	0.831 24
1.019 84	980.55	272.18	0.893 61	65	1.019 83	980.55	272.19	0.893 60	65	1.019 83	980.56	272.19	0.893 60
1.022 74	977.76	293.12	0.955 09	70	1.022 74	977.77	293.13	0.955 09	70	1.022 73	977.77	293.14	0.955 08
1.025 81	974.84	314.08	1.0157	75	1.025 80	974.85	314.09	1.0157	75	1.025 80	974.85	314.10	1.0157
1.029 03	971.79	335.05	1.0755	80	1.029 02	971.79	335.06	1.0755	80	1.029 02	971.80	335.07	1.0755
1.032 41	968.61	356.05	1.1346	85	1.032 40	968.62	356.06	1.1346	85	1.032 40	968.62	356.06	1.1346
1.035 94	965.31	377.06	1.1928	90	1.035 93	965.31	377.07	1.1928	90	1.035 93	965.32	377.08	1.1928
1.039 62	961.89	398.10	1.2504	95	1.039 62	961.89	398.11	1.2504	95	1.039 61	961.90	398.12	1.2504
1695.9	0.589 67	2675.8	7.3610	100	1.043 46	958.35	419.17	1.3072	100	1.043 45	958.36	419.18	1.3072
1720.4	0.581 27	2686.1	7.3885	105	1561.6	0.640 37	2684.8	7.3418	105	1429.3	0.699 67	2683.5	7.2989
1744.7	0.573 15	2696.3	7.4155	110	1583.9	0.631 36	2695.2	7.3690	110	1449.8	0.689 74	2693.9	7.3263
1769.0	0.565 29	2706.5	7.4418	115	1606.1	0.622 64	2705.4	7.3956	115	1470.3	0.680 15	2704.3	7.3531
1793.2	0.557 67	2716.6	7.4678	120	1628.1	0.614 20	2715.6	7.4217	120	1490.6	0.670 87	2714.6	7.3794
1817.2	0.550 28	2726.7	7.4932	125	1650.1	0.606 01	2725.7	7.4473	125	1510.9	0.661 87	2724.8	7.4052
1841.2	0.543 11	2736.7	7.5183	130	1672.0	0.598 07	2735.8	7.4725	130	1531.0	0.653 15	2734.9	7.4305
1865.2	0.536 14	2746.7	7.5429	135	1693.9	0.590 36	2745.9	7.4973	135	1551.1	0.644 69	2745.0	7.4554
1889.1	0.529 36	2756.7	7.5672	140	1715.7	0.582 86	2755.9	7.5217	140	1571.2	0.636 46	2755.1	7.4800
1912.9	0.522 77	2766.7	7.5911	145	1737.4	0.575 57	2765.9	7.5457	145	1591.2	0.628 47	2765.1	7.5041
1936.7	0.516 36	2776.6	7.6148	150	1759.1	0.568 48	2775.9	7.5694	150	1611.1	0.620 69	2775.1	7.5279
1960.4	0.510 11	2786.5	7.6380	155	1780.7	0.561 57	2785.8	7.5928	155	1631.0	0.613 13	2785.1	7.5514
1984.1	0.504 02	2796.4	7.6610	160	1802.3	0.554 85	2795.8	7.6159	160	1650.8	0.605 76	2795.1	7.5745
2007.7	0.498 08	2806.3	7.6838	165	1823.9	0.548 29	2805.7	7.6387	165	1670.6	0.598 57	2805.0	7.5974
2031.3	0.492 29	2816.2	7.7062	170	1845.4	0.541 90	2815.6	7.6612	170	1690.4	0.591 57	2815.0	7.6199
2054.9	0.486 64	2826.1	7.7284	175	1866.9	0.535 66	2825.5	7.6834	175	1710.2	0.584 74	2824.9	7.6422
2078.5	0.481 13	2836.0	7.7503	180	1888.3	0.529 57	2835.4	7.7054	180	1729.9	0.578 08	2834.9	7.6643
2102.0	0.475 74	2845.8	7.7719	185	1909.8	0.523 63	2845.3	7.7271	185	1749.6	0.571 58	2844.8	7.6860
2125.5	0.470 48	2855.7	7.7934	190	1931.2	0.517 82	2855.2	7.7486	190	1769.2	0.565 22	2854.7	7.7076
2149.0	0.465 34	2865.6	7.8146	195	1952.5	0.512 15	2865.1	7.7698	195	1788.8	0.559 02	2864.6	7.7289
2172.4	0.460 31	2875.5	7.8356	200	1973.9	0.506 61	2875.0	7.7908	200	1808.5	0.552 96	2874.5	7.7499
2219.3	0.450 59	2895.2	7.8769	210	2016.6	0.495 89	2894.8	7.8322	210	1847.6	0.541 23	2894.3	7.7914
2266.1	0.441 29	2915.0	7.9174	220	2059.2	0.485 63	2914.6	7.8728	220	1886.7	0.530 01	2914.2	7.8320
2312.8	0.432 37	2934.8	7.9572	230	2101.7	0.475 80	2934.4	7.9126	230	1925.8	0.519 27	2934.1	7.8719
2359.5	0.423 82	2954.6	7.9962	240	2144.2	0.466 37	2954.3	7.9517	240	1964.8	0.508 96	2953.9	7.9111
2406.2	0.415 60	2974.5	8.0346	250	2186.7	0.457 32	2974.2	7.9901	250	2003.7	0.499 07	2973.9	7.9495
2452.8	0.407 70	2994.4	8.0723	260	2229.1	0.448 62	2994.1	8.0279	260	2042.7	0.489 56	2993.8	7.9873
2499.3	0.400 11	3014.4	8.1094	270	2271.4	0.440 25	3014.1	8.0650	270	2081.5	0.480 42	3013.8	8.0244
2545.9	0.392 80	3034.4	8.1459	280	2313.8	0.432 19	3034.1	8.1015	280	2120.4	0.471 62	3033.8	8.0610
2592.4	0.385 75	3054.4	8.1818	290	2356.1	0.424 43	3054.2	8.1374	290	2159.2	0.463 14	3053.9	8.0970

Table 3. Compressed Water and Superheated Steam (continued)

0.10 MPa ($t_s = 99.606\text{ }^\circ\text{C}$)				$t, \text{ }^\circ\text{C}$	0.11 MPa ($t_s = 102.292\text{ }^\circ\text{C}$)				$t, \text{ }^\circ\text{C}$	0.12 MPa ($t_s = 104.784\text{ }^\circ\text{C}$)			
v	ρ	h	s		v	ρ	h	s		v	ρ	h	s
2638.8	0.378 95	3074.5	8.2172	300	2398.4	0.416 95	3074.3	8.1729	300	2198.0	0.454 96	3074.0	8.1324
2685.3	0.372 40	3094.7	8.2520	310	2440.6	0.409 73	3094.5	8.2077	310	2236.7	0.447 08	3094.2	8.1673
2731.7	0.366 07	3114.9	8.2864	320	2482.9	0.402 76	3114.7	8.2421	320	2275.5	0.439 47	3114.4	8.2017
2778.2	0.359 95	3135.1	8.3202	330	2525.1	0.396 02	3134.9	8.2760	330	2314.2	0.432 11	3134.7	8.2356
2824.6	0.354 04	3155.5	8.3536	340	2567.3	0.389 51	3155.3	8.3094	340	2352.9	0.425 00	3155.1	8.2690
2871.0	0.348 32	3175.8	8.3866	350	2609.5	0.383 22	3175.6	8.3424	350	2391.6	0.418 13	3175.4	8.3020
2917.3	0.342 78	3196.3	8.4191	360	2651.7	0.377 12	3196.1	8.3749	360	2430.3	0.411 47	3195.9	8.3345
2963.7	0.337 42	3216.7	8.4512	370	2693.8	0.371 22	3216.6	8.4070	370	2469.0	0.405 03	3216.4	8.3667
3010.0	0.332 22	3237.3	8.4829	380	2736.0	0.365 50	3237.1	8.4387	380	2507.6	0.398 78	3237.0	8.3984
3056.4	0.327 19	3257.9	8.5142	390	2778.1	0.359 95	3257.7	8.4701	390	2546.3	0.392 73	3257.6	8.4297
3102.7	0.322 30	3278.6	8.5452	400	2820.3	0.354 58	3278.4	8.5010	400	2584.9	0.386 86	3278.3	8.4607
3149.0	0.317 56	3299.3	8.5757	410	2862.4	0.349 36	3299.1	8.5316	410	2623.5	0.381 17	3299.0	8.4913
3195.3	0.312 96	3320.1	8.6059	420	2904.5	0.344 29	3319.9	8.5618	420	2662.1	0.375 64	3319.8	8.5215
3241.6	0.308 49	3340.9	8.6358	430	2946.6	0.339 37	3340.8	8.5917	430	2700.8	0.370 27	3340.7	8.5514
3287.9	0.304 14	3361.9	8.6653	440	2988.7	0.334 59	3361.7	8.6212	440	2739.4	0.365 05	3361.6	8.5809
3334.2	0.299 92	3382.8	8.6946	450	3030.8	0.329 95	3382.7	8.6504	450	2777.9	0.359 98	3382.6	8.6102
3380.5	0.295 82	3403.9	8.7235	460	3072.9	0.325 43	3403.8	8.6794	460	2816.5	0.355 05	3403.6	8.6391
3426.7	0.291 82	3425.0	8.7521	470	3114.9	0.321 03	3424.9	8.7080	470	2855.1	0.350 25	3424.8	8.6677
3473.0	0.287 93	3446.2	8.7804	480	3157.0	0.316 75	3446.1	8.7363	480	2893.7	0.345 58	3446.0	8.6960
3519.3	0.284 15	3467.4	8.8084	490	3199.1	0.312 59	3467.3	8.7643	490	2932.3	0.341 03	3467.2	8.7240
3565.5	0.280 46	3488.7	8.8361	500	3241.1	0.308 53	3488.6	8.7921	500	2970.8	0.336 61	3488.5	8.7518
3658.0	0.273 37	3531.6	8.8908	520	3325.3	0.300 73	3531.5	8.8467	520	3047.9	0.328 09	3531.4	8.8065
3750.5	0.266 63	3574.7	8.9445	540	3409.3	0.293 31	3574.6	8.9004	540	3125.0	0.320 00	3574.5	8.8602
3843.0	0.260 21	3618.0	8.9972	560	3493.4	0.286 25	3617.9	8.9531	560	3202.1	0.312 29	3617.8	8.9129
3935.4	0.254 10	3661.7	9.0489	580	3577.5	0.279 53	3661.6	9.0049	580	3279.2	0.304 95	3661.5	8.9646
4027.9	0.248 27	3705.6	9.0998	600	3661.5	0.273 11	3705.5	9.0558	600	3356.3	0.297 95	3705.4	9.0155
4120.3	0.242 70	3749.8	9.1499	620	3745.6	0.266 98	3749.7	9.1058	620	3433.3	0.291 26	3749.6	9.0656
4212.7	0.237 38	3794.3	9.1991	640	3829.6	0.261 12	3794.2	9.1551	640	3510.4	0.284 87	3794.1	9.1149
4305.2	0.232 28	3839.0	9.2476	660	3913.6	0.255 52	3838.9	9.2036	660	3587.4	0.278 75	3838.9	9.1633
4397.6	0.227 40	3884.0	9.2954	680	3997.7	0.250 15	3884.0	9.2513	680	3664.4	0.272 90	3883.9	9.2111
4490.0	0.222 72	3929.4	9.3424	700	4081.7	0.245 00	3929.3	9.2984	700	3741.4	0.267 28	3929.3	9.2582
4582.4	0.218 23	3975.0	9.3888	720	4165.7	0.240 06	3974.9	9.3448	720	3818.4	0.261 89	3974.9	9.3046
4674.7	0.213 92	4020.9	9.4345	740	4249.7	0.235 31	4020.8	9.3905	740	3895.4	0.256 71	4020.8	9.3503
4767.1	0.209 77	4067.0	9.4797	760	4333.7	0.230 75	4067.0	9.4356	760	3972.4	0.251 73	4066.9	9.3954
4859.5	0.205 78	4113.5	9.5242	780	4417.7	0.226 36	4113.4	9.4802	780	4049.4	0.246 95	4113.4	9.4400
4951.9	0.201 94	4160.2	9.5681	800	4501.6	0.222 14	4160.2	9.5241	800	4126.4	0.242 34	4160.1	9.4839
5044.3	0.198 25	4207.2	9.6115	820	4585.6	0.218 07	4207.2	9.5675	820	4203.4	0.237 90	4207.1	9.5273
5136.6	0.194 68	4254.5	9.6544	840	4669.6	0.214 15	4254.5	9.6104	840	4280.4	0.233 62	4254.4	9.5702
5229.0	0.191 24	4302.1	9.6968	860	4753.6	0.210 37	4302.0	9.6527	860	4357.4	0.229 50	4302.0	9.6126
5321.3	0.187 92	4349.9	9.7386	880	4837.5	0.206 72	4349.9	9.6946	880	4434.3	0.225 51	4349.8	9.6544
5413.7	0.184 72	4398.0	9.7800	900	4921.5	0.203 19	4398.0	9.7360	900	4511.3	0.221 66	4397.9	9.6958
5506.1	0.181 62	4446.4	9.8209	920	5005.5	0.199 78	4446.4	9.7768	920	4588.3	0.217 95	4446.3	9.7367
5598.4	0.178 62	4495.0	9.8613	940	5089.4	0.196 49	4495.0	9.8173	940	4665.3	0.214 35	4495.0	9.7771
5690.8	0.175 72	4543.9	9.9013	960	5173.4	0.193 30	4543.9	9.8573	960	4742.2	0.210 87	4543.9	9.8171
5783.1	0.172 92	4593.1	9.9408	980	5257.3	0.190 21	4593.1	9.8968	980	4819.2	0.207 50	4593.1	9.8567
5875.4	0.170 20	4642.6	9.9800	1000	5341.3	0.187 22	4642.5	9.9360	1000	4896.1	0.204 24	4642.5	9.8958
6337.1	0.157 80	4893.5	10.170	1100	5761.0	0.173 58	4893.5	10.126	1100	5280.9	0.189 36	4893.5	10.086
6798.8	0.147 08	5150.6	10.350	1200	6180.7	0.161 79	5150.6	10.306	1200	5665.7	0.176 50	5150.5	10.266
7260.4	0.137 73	5413.2	10.523	1300	6600.4	0.151 51	5413.2	10.479	1300	6050.4	0.165 28	5413.2	10.439
7722.0	0.129 50	5681.2	10.688	1400	7020.1	0.142 45	5681.1	10.644	1400	6435.1	0.155 40	5681.1	10.604
8183.6	0.122 20	5953.9	10.846	1500	7439.7	0.134 41	5953.9	10.802	1500	6819.7	0.146 63	5953.9	10.762
8645.2	0.115 67	6231.0	10.998	1600	7859.3	0.127 24	6231.0	10.954	1600	7204.4	0.138 80	6231.0	10.914
9568.4	0.104 51	6797.2	11.285	1800	8698.5	0.114 96	6797.1	11.241	1800	7973.7	0.125 41	6797.1	11.201
10 491.	0.095 316	7377.0	11.552	2000	9537.7	0.104 85	7377.0	11.508	2000	8743.0	0.114 38	7377.0	11.468

Table 3. Compressed Water and Superheated Steam (continued)

0.13 MPa ($t_s = 107.109\text{ }^\circ\text{C}$)				$t_s, \text{ }^\circ\text{C}$	0.14 MPa ($t_s = 109.292\text{ }^\circ\text{C}$)				$t_s, \text{ }^\circ\text{C}$	0.15 MPa ($t_s = 111.349\text{ }^\circ\text{C}$)			
v	ρ	h	s		v	ρ	h	s		v	ρ	h	s
1.049 17	953.13	449.19	1.3868	$t_s(\text{L})$	1.050 99	951.49	458.42	1.4110	$t_s(\text{L})$	1.052 73	949.92	467.13	1.4337
1325.3	0.754 53	2686.6	7.2709	$t_s(\text{V})$	1236.6	0.808 69	2690.0	7.2461	$t_s(\text{V})$	1159.3	0.862 60	2693.1	7.2230
<i>1.000 14</i>	<i>999.86</i>	<i>0.09</i>	<i>-0.000 15</i>	0	1.000 14	999.86	0.10	-0.000 15	0	1.000 13	999.87	0.11	-0.000 14
1.000 02	999.98	21.15	0.076 25	5	1.000 01	999.99	21.16	0.076 25	5	1.000 01	999.99	21.17	0.076 25
1.000 28	999.72	42.15	0.151 07	10	1.000 28	999.72	42.16	0.151 07	10	1.000 27	999.73	42.17	0.151 07
1.000 88	999.12	63.10	0.224 44	15	1.000 88	999.12	63.11	0.224 44	15	1.000 88	999.13	63.12	0.224 44
1.001 78	998.22	84.03	0.296 46	20	1.001 78	998.22	84.04	0.296 45	20	1.001 77	998.23	84.05	0.296 45
1.002 95	997.06	104.95	0.367 19	25	1.002 94	997.07	104.96	0.367 19	25	1.002 94	997.07	104.97	0.367 19
1.004 36	995.66	125.85	0.436 72	30	1.004 35	995.67	125.86	0.436 71	30	1.004 35	995.67	125.87	0.436 71
1.005 99	994.05	146.75	0.505 09	35	1.005 99	994.05	146.75	0.505 08	35	1.005 98	994.05	146.76	0.505 08
1.007 83	992.23	167.64	0.572 35	40	1.007 83	992.23	167.65	0.572 35	40	1.007 82	992.24	167.66	0.572 35
1.009 87	990.23	188.54	0.638 56	45	1.009 87	990.23	188.55	0.638 56	45	1.009 86	990.23	188.56	0.638 55
1.012 10	988.05	209.44	0.703 75	50	1.012 09	988.05	209.45	0.703 75	50	1.012 09	988.06	209.46	0.703 74
1.014 50	985.71	230.35	0.767 97	55	1.014 50	985.71	230.36	0.767 96	55	1.014 49	985.71	230.37	0.767 96
1.017 08	983.21	251.27	0.831 23	60	1.017 07	983.21	251.28	0.831 23	60	1.017 07	983.22	251.29	0.831 22
1.019 82	980.56	272.20	0.893 59	65	1.019 82	980.57	272.21	0.893 59	65	1.019 81	980.57	272.22	0.893 58
1.022 73	977.78	293.15	0.955 07	70	1.022 72	977.78	293.15	0.955 07	70	1.022 72	977.79	293.16	0.955 06
1.025 79	974.86	314.10	1.0157	75	1.025 79	974.86	314.11	1.0157	75	1.025 78	974.86	314.12	1.0157
1.029 01	971.80	335.08	1.0755	80	1.029 01	971.81	335.09	1.0755	80	1.029 01	971.81	335.09	1.0755
1.032 39	968.62	356.07	1.1346	85	1.032 39	968.63	356.08	1.1345	85	1.032 38	968.63	356.09	1.1345
1.035 92	965.32	377.09	1.1928	90	1.035 92	965.33	377.09	1.1928	90	1.035 91	965.33	377.10	1.1928
1.039 61	961.90	398.12	1.2504	95	1.039 60	961.91	398.13	1.2504	95	1.039 60	961.91	398.14	1.2503
1.043 45	958.36	419.19	1.3072	100	1.043 44	958.37	419.20	1.3072	100	1.043 44	958.37	419.20	1.3072
1.047 44	954.71	440.28	1.3633	105	1.047 43	954.71	440.29	1.3633	105	1.047 43	954.72	440.30	1.3633
1336.4	0.748 30	2692.7	7.2868	110	1239.1	0.807 04	2691.5	7.2500	110	1.051 58	950.95	461.42	1.4188
1355.3	0.737 82	2703.2	7.3138	115	1256.8	0.795 65	2702.0	7.2773	115	1171.4	0.853 65	2700.8	7.2430
1374.2	0.727 68	2713.5	7.3403	120	1274.5	0.784 65	2712.4	7.3039	120	1188.0	0.841 77	2711.4	7.2699
1393.0	0.717 87	2723.8	7.3663	125	1292.0	0.774 01	2722.8	7.3301	125	1204.4	0.830 28	2721.8	7.2962
1411.7	0.708 36	2734.0	7.3917	130	1309.4	0.763 70	2733.0	7.3557	130	1220.8	0.819 16	2732.1	7.3220
1430.3	0.699 13	2744.1	7.4168	135	1326.8	0.753 70	2743.3	7.3809	135	1237.0	0.808 38	2742.4	7.3473
1448.9	0.690 17	2754.3	7.4414	140	1344.1	0.743 99	2753.4	7.4057	140	1253.3	0.797 92	2752.6	7.3722
1467.4	0.681 47	2764.3	7.4657	145	1361.3	0.734 57	2763.6	7.4300	145	1269.4	0.787 77	2762.8	7.3967
1485.9	0.673 00	2774.4	7.4896	150	1378.5	0.725 40	2773.6	7.4540	150	1285.5	0.777 90	2772.9	7.4208
1504.3	0.664 77	2784.4	7.5132	155	1395.7	0.716 49	2783.7	7.4777	155	1301.6	0.768 31	2783.0	7.4445
1522.7	0.656 75	2794.4	7.5364	160	1412.8	0.707 82	2793.8	7.5010	160	1317.6	0.758 97	2793.1	7.4679
1541.0	0.648 93	2804.4	7.5593	165	1429.9	0.699 37	2803.8	7.5240	165	1333.5	0.749 88	2803.1	7.4910
1559.3	0.641 32	2814.4	7.5819	170	1446.9	0.691 14	2813.8	7.5467	170	1349.5	0.741 03	2813.2	7.5138
1577.6	0.633 89	2824.3	7.6043	175	1463.9	0.683 11	2823.8	7.5691	175	1365.4	0.732 40	2823.2	7.5363
1595.8	0.626 65	2834.3	7.6264	180	1480.9	0.675 28	2833.7	7.5912	180	1381.3	0.723 98	2833.2	7.5585
1614.0	0.619 58	2844.2	7.6482	185	1497.8	0.667 65	2843.7	7.6131	185	1397.1	0.715 77	2843.2	7.5804
1632.2	0.612 68	2854.2	7.6698	190	1514.7	0.660 19	2853.7	7.6347	190	1412.9	0.707 76	2853.2	7.6021
1650.3	0.605 94	2864.1	7.6911	195	1531.6	0.652 91	2863.6	7.6561	195	1428.7	0.699 93	2863.1	7.6235
1668.5	0.599 35	2874.0	7.7122	200	1548.5	0.645 79	2873.6	7.6773	200	1444.5	0.692 29	2873.1	7.6447
1704.7	0.586 62	2893.9	7.7538	210	1582.2	0.632 05	2893.5	7.7189	210	1476.0	0.677 52	2893.0	7.6864
1740.8	0.574 43	2913.8	7.7945	220	1615.8	0.618 90	2913.4	7.7597	220	1507.4	0.663 40	2913.0	7.7272
1776.9	0.562 77	2933.7	7.8344	230	1649.3	0.606 30	2933.3	7.7996	230	1538.8	0.649 88	2932.9	7.7672
1813.0	0.551 58	2953.6	7.8736	240	1682.8	0.594 23	2953.2	7.8389	240	1570.1	0.636 92	2952.9	7.8065
1849.0	0.540 84	2973.5	7.9121	250	1716.3	0.582 65	2973.2	7.8774	250	1601.3	0.624 48	2972.9	7.8451
1884.9	0.530 53	2993.5	7.9499	260	1749.7	0.571 52	2993.2	7.9153	260	1632.5	0.612 54	2992.9	7.8830
1920.8	0.520 61	3013.5	7.9871	270	1783.1	0.560 82	3013.2	7.9525	270	1663.7	0.601 06	3012.9	7.9202
1956.7	0.511 06	3033.6	8.0237	280	1816.4	0.550 52	3033.3	7.9891	280	1694.9	0.590 01	3033.0	7.9569
1992.6	0.501 86	3053.7	8.0597	290	1849.8	0.540 61	3053.4	8.0251	290	1726.0	0.579 37	3053.1	7.9929

Table 3. Compressed Water and Superheated Steam (continued)

0.13 MPa ($t_s = 107.109\text{ }^\circ\text{C}$)				$t, \text{ }^\circ\text{C}$	0.14 MPa ($t_s = 109.292\text{ }^\circ\text{C}$)				$t, \text{ }^\circ\text{C}$	0.15 MPa ($t_s = 111.349\text{ }^\circ\text{C}$)			
v	ρ	h	s		v	ρ	h	s		v	ρ	h	s
2028.4	0.493 00	3073.8	8.0951	300	1883.1	0.531 05	3073.5	8.0606	300	1757.1	0.569 12	3073.3	8.0284
2064.2	0.484 44	3094.0	8.1300	310	1916.3	0.521 83	3093.7	8.0955	310	1788.2	0.559 23	3093.5	8.0634
2100.0	0.476 19	3114.2	8.1644	320	1949.6	0.512 93	3114.0	8.1300	320	1819.2	0.549 68	3113.8	8.0978
2135.8	0.468 21	3134.5	8.1984	330	1982.8	0.504 33	3134.3	8.1639	330	1850.3	0.540 46	3134.1	8.1318
2171.5	0.460 50	3154.9	8.2318	340	2016.0	0.496 02	3154.7	8.1974	340	1881.3	0.531 55	3154.5	8.1653
2207.3	0.453 05	3175.3	8.2648	350	2049.2	0.487 98	3175.1	8.2304	350	1912.3	0.522 93	3174.9	8.1983
2243.0	0.445 83	3195.7	8.2974	360	2082.4	0.480 21	3195.5	8.2630	360	1943.3	0.514 59	3195.3	8.2309
2278.7	0.438 85	3216.2	8.3295	370	2115.6	0.472 68	3216.0	8.2951	370	1974.3	0.506 52	3215.9	8.2631
2314.4	0.432 08	3236.8	8.3613	380	2148.8	0.465 38	3236.6	8.3269	380	2005.2	0.498 70	3236.4	8.2948
2350.1	0.425 52	3257.4	8.3926	390	2181.9	0.458 31	3257.3	8.3582	390	2036.2	0.491 12	3257.1	8.3262
2385.8	0.419 15	3278.1	8.4236	400	2215.1	0.451 46	3277.9	8.3892	400	2067.1	0.483 76	3277.8	8.3572
2421.4	0.412 98	3298.8	8.4542	410	2248.2	0.444 80	3298.7	8.4198	410	2098.1	0.476 63	3298.5	8.3878
2457.1	0.406 99	3319.7	8.4844	420	2281.3	0.438 34	3319.5	8.4500	420	2129.0	0.469 71	3319.4	8.4180
2492.7	0.401 17	3340.5	8.5143	430	2314.4	0.432 07	3340.4	8.4799	430	2159.9	0.462 99	3340.3	8.4480
2528.4	0.395 51	3361.5	8.5439	440	2347.5	0.425 98	3361.3	8.5095	440	2190.8	0.456 45	3361.2	8.4775
2564.0	0.390 01	3382.5	8.5731	450	2380.6	0.420 06	3382.3	8.5388	450	2221.7	0.450 10	3382.2	8.5068
2599.6	0.384 67	3403.5	8.6020	460	2413.7	0.414 30	3403.4	8.5677	460	2252.6	0.443 93	3403.3	8.5357
2635.3	0.379 47	3424.6	8.6306	470	2446.8	0.408 70	3424.5	8.5963	470	2283.5	0.437 93	3424.4	8.5644
2670.9	0.374 41	3445.8	8.6590	480	2479.9	0.403 24	3445.7	8.6246	480	2314.4	0.432 08	3445.6	8.5927
2706.5	0.369 48	3467.1	8.6870	490	2513.0	0.397 94	3467.0	8.6527	490	2345.3	0.426 39	3466.9	8.6207
2742.1	0.364 68	3488.4	8.7148	500	2546.0	0.392 77	3488.3	8.6804	500	2376.1	0.420 85	3488.2	8.6485
2813.3	0.355 46	3531.3	8.7695	520	2612.2	0.382 82	3531.2	8.7352	520	2437.9	0.410 20	3531.1	8.7032
2884.5	0.346 68	3574.4	8.8231	540	2678.3	0.373 37	3574.3	8.7889	540	2499.6	0.400 07	3574.2	8.7569
2955.6	0.338 34	3617.8	8.8759	560	2744.4	0.364 38	3617.7	8.8416	560	2561.3	0.390 43	3617.6	8.8096
3026.8	0.330 38	3661.4	8.9276	580	2810.5	0.355 81	3661.3	8.8934	580	2623.0	0.381 25	3661.2	8.8614
3097.9	0.322 79	3705.3	8.9785	600	2876.5	0.347 64	3705.3	8.9443	600	2684.6	0.372 49	3705.2	8.9124
3169.1	0.315 55	3749.6	9.0286	620	2942.6	0.339 84	3749.5	8.9943	620	2746.3	0.364 13	3749.4	8.9624
3240.2	0.308 62	3794.0	9.0779	640	3008.6	0.332 38	3794.0	9.0436	640	2808.0	0.356 13	3793.9	9.0117
3311.3	0.301 99	3838.8	9.1264	660	3074.7	0.325 24	3838.7	9.0921	660	2869.6	0.348 48	3838.7	9.0602
3382.4	0.295 65	3883.9	9.1741	680	3140.7	0.318 40	3883.8	9.1399	680	2931.2	0.341 15	3883.7	9.1080
3453.5	0.289 56	3929.2	9.2212	700	3206.7	0.311 84	3929.1	9.1869	700	2992.9	0.334 13	3929.1	9.1550
3524.6	0.283 72	3974.8	9.2676	720	3272.8	0.305 55	3974.8	9.2333	720	3054.5	0.327 39	3974.7	9.2014
3595.7	0.278 11	4020.7	9.3133	740	3338.8	0.299 51	4020.6	9.2791	740	3116.1	0.320 91	4020.6	9.2472
3666.8	0.272 72	4066.9	9.3585	760	3404.8	0.293 70	4066.8	9.3242	760	3177.7	0.314 69	4066.8	9.2923
3737.9	0.267 53	4113.3	9.4030	780	3470.8	0.288 12	4113.3	9.3688	780	3239.4	0.308 70	4113.2	9.3369
3808.9	0.262 54	4160.1	9.4470	800	3536.8	0.282 74	4160.0	9.4127	800	3301.0	0.302 94	4160.0	9.3808
3880.0	0.257 73	4207.1	9.4904	820	3602.8	0.277 56	4207.0	9.4561	820	3362.6	0.297 39	4207.0	9.4243
3951.1	0.253 10	4254.4	9.5332	840	3668.8	0.272 57	4254.3	9.4990	840	3424.2	0.292 04	4254.3	9.4671
4022.1	0.248 62	4301.9	9.5756	860	3734.8	0.267 75	4301.9	9.5414	860	3485.8	0.286 88	4301.9	9.5095
4093.2	0.244 31	4349.8	9.6174	880	3800.8	0.263 10	4349.7	9.5832	880	3547.3	0.281 90	4349.7	9.5513
4164.2	0.240 14	4397.9	9.6588	900	3866.8	0.258 61	4397.9	9.6246	900	3608.9	0.277 09	4397.8	9.5927
4235.3	0.236 11	4446.3	9.6997	920	3932.7	0.254 28	4446.2	9.6655	920	3670.5	0.272 44	4446.2	9.6336
4306.4	0.232 22	4494.9	9.7401	940	3998.7	0.250 08	4494.9	9.7059	940	3732.1	0.267 95	4494.9	9.6740
4377.4	0.228 45	4543.9	9.7801	960	4064.7	0.246 02	4543.8	9.7459	960	3793.7	0.263 60	4543.8	9.7140
4448.4	0.224 80	4593.0	9.8197	980	4130.7	0.242 09	4593.0	9.7855	980	3855.3	0.259 39	4593.0	9.7536
4519.5	0.221 26	4642.5	9.8588	1000	4196.6	0.238 29	4642.4	9.8246	1000	3916.8	0.255 31	4642.4	9.7927
4874.7	0.205 14	4893.5	10.049	1100	4526.5	0.220 92	4893.4	10.014	1100	4224.7	0.236 70	4893.4	9.9825
5229.8	0.191 21	5150.5	10.229	1200	4856.3	0.205 92	5150.5	10.195	1200	4532.5	0.220 63	5150.5	10.163
5585.0	0.179 05	5413.2	10.402	1300	5186.0	0.192 83	5413.2	10.368	1300	4840.3	0.206 60	5413.2	10.336
5940.1	0.168 35	5681.1	10.567	1400	5515.8	0.181 30	5681.1	10.533	1400	5148.1	0.194 25	5681.1	10.501
6295.2	0.158 85	5953.8	10.725	1500	5845.5	0.171 07	5953.8	10.691	1500	5455.8	0.183 29	5953.8	10.659
6650.2	0.150 37	6231.0	10.877	1600	6175.2	0.161 94	6231.0	10.843	1600	5763.6	0.173 50	6231.0	10.811
7360.4	0.135 86	6797.1	11.164	1800	6834.7	0.146 31	6797.1	11.130	1800	6379.0	0.156 76	6797.1	11.098
8070.5	0.123 91	7377.0	11.431	2000	7494.0	0.133 44	7377.0	11.397	2000	6994.5	0.142 97	7377.0	11.365

Table 3. Compressed Water and Superheated Steam (continued)

0.16 MPa ($t_s = 113.297\text{ }^\circ\text{C}$)				$t_s, \text{ }^\circ\text{C}$	0.18 MPa ($t_s = 116.911\text{ }^\circ\text{C}$)				$t_s, \text{ }^\circ\text{C}$	0.20 MPa ($t_s = 120.210\text{ }^\circ\text{C}$)			
v	ρ	h	s		v	ρ	h	s		v	ρ	h	s
1.054 40	948.41	475.38	1.4551	$t_s(\text{L})$	1.057 56	945.57	490.70	1.4945	$t_s(\text{L})$	1.060 52	942.94	504.70	1.5302
1091.4	0.916 29	2696.0	7.2014	$t_s(\text{V})$	977.47	1.0230	2701.4	7.1621	$t_s(\text{V})$	885.68	1.1291	2706.2	7.1269
1.000 13	999.87	0.12	-0.000 14	0	1.000 12	999.88	0.14	-0.000 14	0	1.000 11	999.89	0.16	-0.000 14
1.000 00	1000.00	21.18	0.076 25	5	0.999 99	1000.01	21.20	0.076 25	5	0.999 98	1000.02	21.22	0.076 25
1.000 27	999.73	42.18	0.151 07	10	1.000 26	999.74	42.20	0.151 07	10	1.000 25	999.75	42.22	0.151 07
1.000 87	999.13	63.13	0.224 44	15	1.000 86	999.14	63.15	0.224 44	15	1.000 85	999.15	63.17	0.224 44
1.001 77	998.23	84.06	0.296 45	20	1.001 76	998.24	84.08	0.296 45	20	1.001 75	998.25	84.10	0.296 44
1.002 93	997.07	104.97	0.367 18	25	1.002 93	997.08	104.99	0.367 18	25	1.002 92	997.09	105.01	0.367 17
1.004 34	995.68	125.88	0.436 71	30	1.004 33	995.68	125.89	0.436 70	30	1.004 33	995.69	125.91	0.436 70
1.005 98	994.06	146.77	0.505 08	35	1.005 97	994.07	146.79	0.505 07	35	1.005 96	994.08	146.81	0.505 06
1.007 82	992.24	167.67	0.572 34	40	1.007 81	992.25	167.69	0.572 33	40	1.007 80	992.26	167.70	0.572 33
1.009 86	990.24	188.57	0.638 55	45	1.009 85	990.25	188.58	0.638 54	45	1.009 84	990.26	188.60	0.638 53
1.012 08	988.06	209.47	0.703 74	50	1.012 07	988.07	209.49	0.703 73	50	1.012 07	988.08	209.50	0.703 72
1.014 49	985.72	230.38	0.767 95	55	1.014 48	985.73	230.40	0.767 94	55	1.014 47	985.74	230.41	0.767 93
1.017 06	983.22	251.30	0.831 22	60	1.017 06	983.23	251.31	0.831 21	60	1.017 05	983.24	251.33	0.831 20
1.019 81	980.58	272.23	0.893 58	65	1.019 80	980.59	272.24	0.893 56	65	1.019 79	980.59	272.26	0.893 55
1.022 71	977.79	293.17	0.955 06	70	1.022 70	977.80	293.19	0.955 04	70	1.022 70	977.81	293.20	0.955 03
1.025 78	974.87	314.13	1.0157	75	1.025 77	974.88	314.14	1.0157	75	1.025 76	974.89	314.16	1.0157
1.029 00	971.82	335.10	1.0755	80	1.028 99	971.83	335.12	1.0755	80	1.028 98	971.83	335.13	1.0755
1.032 38	968.64	356.09	1.1345	85	1.032 37	968.65	356.11	1.1345	85	1.032 36	968.66	356.13	1.1345
1.035 91	965.34	377.11	1.1928	90	1.035 90	965.35	377.12	1.1928	90	1.035 89	965.35	377.14	1.1928
1.039 59	961.92	398.15	1.2503	95	1.039 58	961.92	398.16	1.2503	95	1.039 57	961.93	398.18	1.2503
1.043 43	958.38	419.21	1.3072	100	1.043 42	958.39	419.23	1.3071	100	1.043 41	958.40	419.24	1.3071
1.047 42	954.72	440.30	1.3633	105	1.047 41	954.73	440.32	1.3633	105	1.047 40	954.74	440.33	1.3633
1.051 57	950.96	461.43	1.4188	110	1.051 56	950.97	461.44	1.4188	110	1.051 55	950.98	461.46	1.4188
1096.7	0.911 83	2699.7	7.2108	115	1.055 87	947.09	482.60	1.4737	115	1.055 86	947.10	482.62	1.4736
1112.3	0.899 04	2710.3	7.2379	120	986.12	1.0141	2708.0	7.1790	120	1.060 32	943.11	503.81	1.5279
1127.8	0.886 70	2720.7	7.2644	125	1000.0	0.999 96	2718.7	7.2059	125	897.81	1.1138	2716.6	7.1531
1143.2	0.874 75	2731.1	7.2904	130	1013.9	0.986 33	2729.2	7.2322	130	910.37	1.0985	2727.3	7.1797
1158.5	0.863 18	2741.5	7.3158	135	1027.6	0.973 15	2739.7	7.2580	135	922.84	1.0836	2737.8	7.2058
1173.8	0.851 96	2751.7	7.3408	140	1041.3	0.960 37	2750.0	7.2832	140	935.24	1.0692	2748.3	7.2313
1189.0	0.841 07	2762.0	7.3654	145	1054.9	0.947 99	2760.4	7.3081	145	947.58	1.0553	2758.7	7.2564
1204.1	0.830 49	2772.1	7.3896	150	1068.4	0.935 96	2770.6	7.3325	150	959.86	1.0418	2769.1	7.2810
1219.2	0.820 21	2782.3	7.4135	155	1081.9	0.924 28	2780.9	7.3565	155	972.08	1.0287	2779.4	7.3052
1234.3	0.810 21	2792.4	7.4369	160	1095.4	0.912 93	2791.0	7.3801	160	984.26	1.0160	2789.7	7.3290
1249.3	0.800 47	2802.5	7.4601	165	1108.8	0.901 88	2801.2	7.4034	165	996.40	1.0036	2799.9	7.3525
1264.2	0.790 99	2812.5	7.4829	170	1122.2	0.891 13	2811.3	7.4264	170	1008.5	0.991 57	2810.1	7.3756
1279.2	0.781 75	2822.6	7.5055	175	1135.5	0.880 66	2821.4	7.4491	175	1020.6	0.979 84	2820.2	7.3984
1294.1	0.772 74	2832.6	7.5277	180	1148.8	0.870 45	2831.5	7.4714	180	1032.6	0.968 42	2830.4	7.4209
1309.0	0.763 95	2842.6	7.5497	185	1162.1	0.860 50	2841.6	7.4935	185	1044.6	0.957 29	2840.5	7.4431
1323.8	0.755 38	2852.6	7.5714	190	1175.4	0.850 79	2851.6	7.5154	190	1056.6	0.946 44	2850.6	7.4650
1338.7	0.747 01	2862.6	7.5929	195	1188.6	0.841 32	2861.7	7.5369	195	1068.5	0.935 85	2860.7	7.4867
1353.5	0.738 83	2872.6	7.6141	200	1201.8	0.832 07	2871.7	7.5582	200	1080.5	0.925 51	2870.7	7.5081
1383.1	0.723 04	2892.6	7.6559	210	1228.2	0.814 21	2891.7	7.6002	210	1104.3	0.905 56	2890.8	7.5501
1412.6	0.707 94	2912.6	7.6968	220	1254.5	0.797 14	2911.8	7.6412	220	1128.0	0.886 50	2910.9	7.5913
1442.0	0.693 49	2932.5	7.7369	230	1280.7	0.780 81	2931.8	7.6814	230	1151.7	0.868 28	2931.0	7.6316
1471.4	0.679 64	2952.5	7.7762	240	1306.9	0.765 17	2951.8	7.7208	240	1175.3	0.850 83	2951.1	7.6712
1500.7	0.666 35	2972.5	7.8148	250	1333.0	0.750 17	2971.9	7.7595	250	1198.9	0.834 10	2971.2	7.7100
1530.0	0.653 59	2992.6	7.8528	260	1359.1	0.735 76	2991.9	7.7975	260	1222.4	0.818 05	2991.3	7.7480
1559.3	0.641 32	3012.6	7.8901	270	1385.2	0.721 92	3012.1	7.8349	270	1245.9	0.802 62	3011.5	7.7855
1588.5	0.629 52	3032.7	7.9267	280	1411.2	0.708 61	3032.2	7.8716	280	1269.4	0.787 78	3031.6	7.8223
1617.7	0.618 16	3052.9	7.9628	290	1437.2	0.695 79	3052.4	7.9078	290	1292.8	0.773 50	3051.8	7.8584

Table 3. Compressed Water and Superheated Steam (continued)

0.22 MPa ($t_s = 123.250\text{ }^\circ\text{C}$)				$t_s, \text{ }^\circ\text{C}$	0.24 MPa ($t_s = 126.072\text{ }^\circ\text{C}$)				$t_s, \text{ }^\circ\text{C}$	0.26 MPa ($t_s = 128.708\text{ }^\circ\text{C}$)			
v	ρ	h	s		v	ρ	h	s		v	ρ	h	s
1.063 30	940.47	517.63	1.5628	$t_{s(L)}$	1.065 94	938.13	529.64	1.5930	$t_{s(L)}$	1.068 46	935.93	540.87	1.6210
810.07	1.2345	2710.6	7.0951	$t_{s(V)}$	746.68	1.3393	2714.6	7.0661	$t_{s(V)}$	692.73	1.4436	2718.3	7.0394
1.000 10	999.90	0.18	-0.000 14	0	1.000 09	999.91	0.20	-0.000 14	0	1.000 08	999.92	0.22	-0.000 14
0.999 98	1000.02	21.24	0.076 25	5	0.999 97	1000.03	21.26	0.076 25	5	0.999 96	1000.04	21.28	0.076 25
1.000 24	999.76	42.23	0.151 07	10	1.000 23	999.77	42.25	0.151 06	10	1.000 22	999.78	42.27	0.151 06
1.000 84	999.16	63.19	0.224 43	15	1.000 83	999.17	63.21	0.224 43	15	1.000 82	999.18	63.23	0.224 42
1.001 74	998.26	84.12	0.296 44	20	1.001 73	998.27	84.14	0.296 43	20	1.001 72	998.28	84.16	0.296 43
1.002 91	997.10	105.03	0.367 17	25	1.002 90	997.11	105.05	0.367 16	25	1.002 89	997.12	105.07	0.367 16
1.004 32	995.70	125.93	0.436 69	30	1.004 31	995.71	125.95	0.436 68	30	1.004 30	995.72	125.97	0.436 68
1.005 95	994.09	146.83	0.505 06	35	1.005 94	994.09	146.84	0.505 05	35	1.005 93	994.10	146.86	0.505 04
1.007 79	992.27	167.72	0.572 32	40	1.007 78	992.28	167.74	0.572 31	40	1.007 77	992.29	167.76	0.572 30
1.009 83	990.26	188.62	0.638 52	45	1.009 82	990.27	188.64	0.638 52	45	1.009 81	990.28	188.65	0.638 51
1.012 06	988.09	209.52	0.703 71	50	1.012 05	988.10	209.54	0.703 70	50	1.012 04	988.10	209.56	0.703 69
1.014 46	985.74	230.43	0.767 92	55	1.014 45	985.75	230.45	0.767 91	55	1.014 44	985.76	230.46	0.767 90
1.017 04	983.25	251.35	0.831 19	60	1.017 03	983.26	251.37	0.831 18	60	1.017 02	983.27	251.38	0.831 17
1.019 78	980.60	272.28	0.893 54	65	1.019 77	980.61	272.29	0.893 53	65	1.019 76	980.62	272.31	0.893 52
1.022 69	977.82	293.22	0.955 02	70	1.022 68	977.83	293.24	0.955 01	70	1.022 67	977.83	293.25	0.955 00
1.025 75	974.90	314.18	1.0157	75	1.025 74	974.90	314.19	1.0156	75	1.025 73	974.91	314.21	1.0156
1.028 97	971.84	335.15	1.0755	80	1.028 96	971.85	335.17	1.0755	80	1.028 95	971.86	335.18	1.0754
1.032 35	968.67	356.14	1.1345	85	1.032 34	968.67	356.16	1.1345	85	1.032 33	968.68	356.17	1.1345
1.035 88	965.36	377.16	1.1928	90	1.035 87	965.37	377.17	1.1927	90	1.035 86	965.38	377.19	1.1927
1.039 56	961.94	398.19	1.2503	95	1.039 55	961.95	398.21	1.2503	95	1.039 54	961.96	398.22	1.2503
1.043 40	958.40	419.26	1.3071	100	1.043 39	958.41	419.27	1.3071	100	1.043 38	958.42	419.29	1.3071
1.047 39	954.75	440.35	1.3633	105	1.047 38	954.76	440.36	1.3633	105	1.047 37	954.77	440.38	1.3632
1.051 54	950.99	461.47	1.4188	110	1.051 53	950.99	461.49	1.4187	110	1.051 52	951.00	461.50	1.4187
1.055 85	947.11	482.63	1.4736	115	1.055 84	947.12	482.64	1.4736	115	1.055 83	947.13	482.66	1.4736
1.060 31	943.12	503.83	1.5279	120	1.060 30	943.13	503.84	1.5279	120	1.060 29	943.14	503.85	1.5279
814.14	1.2283	2714.4	7.1047	125	1.064 93	939.03	525.08	1.5816	125	1.064 92	939.04	525.09	1.5815
825.67	1.2111	2725.3	7.1318	130	755.07	1.3244	2723.2	7.0876	130	695.30	1.4382	2721.2	7.0465
837.12	1.1946	2736.0	7.1582	135	765.66	1.3061	2734.1	7.1143	135	705.17	1.4181	2732.2	7.0736
848.48	1.1786	2746.6	7.1840	140	776.16	1.2884	2744.8	7.1405	140	714.95	1.3987	2743.0	7.1001
859.78	1.1631	2757.1	7.2093	145	786.60	1.2713	2755.4	7.1660	145	724.66	1.3800	2753.8	7.1259
871.02	1.1481	2767.6	7.2341	150	796.97	1.2547	2766.0	7.1911	150	734.31	1.3618	2764.4	7.1512
882.20	1.1335	2777.9	7.2585	155	807.29	1.2387	2776.5	7.2157	155	743.90	1.3443	2775.0	7.1760
893.34	1.1194	2788.3	7.2825	160	817.57	1.2231	2786.9	7.2399	160	753.44	1.3273	2785.5	7.2004
904.44	1.1057	2798.6	7.3062	165	827.79	1.2080	2797.2	7.2636	165	762.93	1.3107	2795.9	7.2243
915.50	1.0923	2808.8	7.3294	170	837.98	1.1933	2807.6	7.2871	170	772.39	1.2947	2806.3	7.2479
926.52	1.0793	2819.0	7.3524	175	848.14	1.1791	2817.8	7.3101	175	781.81	1.2791	2816.6	7.2711
937.51	1.0667	2829.2	7.3750	180	858.26	1.1652	2828.1	7.3329	180	791.19	1.2639	2826.9	7.2940
948.47	1.0543	2839.4	7.3973	185	868.35	1.1516	2838.3	7.3553	185	800.55	1.2491	2837.2	7.3165
959.41	1.0423	2849.5	7.4193	190	878.41	1.1384	2848.5	7.3774	190	809.87	1.2348	2847.4	7.3387
970.32	1.0306	2859.7	7.4411	195	888.45	1.1256	2858.7	7.3993	195	819.17	1.2207	2857.6	7.3607
981.20	1.0192	2869.8	7.4625	200	898.47	1.1130	2868.8	7.4208	200	828.45	1.2071	2867.8	7.3823
1002.9	0.997 09	2890.0	7.5048	210	918.43	1.0888	2889.1	7.4632	210	846.95	1.1807	2888.2	7.4249
1024.6	0.976 03	2910.1	7.5461	220	938.33	1.0657	2909.3	7.5046	220	865.37	1.1556	2908.5	7.4664
1046.1	0.955 90	2930.3	7.5865	230	958.16	1.0437	2929.5	7.5452	230	883.72	1.1316	2928.7	7.5071
1067.7	0.936 63	2950.4	7.6261	240	977.94	1.0226	2949.7	7.5849	240	902.03	1.1086	2949.0	7.5469
1089.1	0.918 16	2970.5	7.6650	250	997.67	1.0023	2969.9	7.6239	250	920.28	1.0866	2969.2	7.5860
1110.6	0.900 44	2990.7	7.7032	260	1017.4	0.982 93	2990.1	7.6621	260	938.49	1.0655	2989.4	7.6243
1132.0	0.883 41	3010.9	7.7407	270	1037.0	0.964 31	3010.3	7.6997	270	956.66	1.0453	3009.7	7.6619
1153.3	0.867 05	3031.1	7.7775	280	1056.6	0.946 40	3030.5	7.7366	280	974.81	1.0258	3030.0	7.6989
1174.7	0.851 30	3051.3	7.8138	290	1076.2	0.929 17	3050.8	7.7729	290	992.92	1.0071	3050.3	7.7353

Table 3. Compressed Water and Superheated Steam (continued)

0.28 MPa ($t_s = 131.185\text{ }^\circ\text{C}$)				$t_s, \text{ }^\circ\text{C}$	0.30 MPa ($t_s = 133.522\text{ }^\circ\text{C}$)				$t_s, \text{ }^\circ\text{C}$	0.35 MPa ($t_s = 138.857\text{ }^\circ\text{C}$)			
v	ρ	h	s		v	ρ	h	s		v	ρ	h	s
1.070 86	933.83	551.44	1.6471	$t_s(\text{L})$	1.073 17	931.82	561.43	1.6717	$t_s(\text{L})$	1.078 57	927.15	584.26	1.7274
646.24	1.5474	2721.7	7.0146	$t_s(\text{V})$	605.76	1.6508	2724.9	6.9916	$t_s(\text{V})$	524.18	1.9077	2732.0	6.9401
1.000 07	999.93	0.24	-0.000 14	0	1.000 06	999.94	0.26	-0.000 13	0	1.000 03	999.97	0.31	-0.000 13
0.999 95	1000.05	21.30	0.076 25	5	0.999 94	1000.06	21.32	0.076 25	5	0.999 91	1000.09	21.37	0.076 25
1.000 21	999.79	42.29	0.151 06	10	1.000 20	999.80	42.31	0.151 06	10	1.000 18	999.82	42.36	0.151 06
1.000 81	999.19	63.25	0.224 42	15	1.000 81	999.20	63.27	0.224 42	15	1.000 78	999.22	63.31	0.224 41
1.001 71	998.29	84.18	0.296 43	20	1.001 70	998.30	84.19	0.296 42	20	1.001 68	998.32	84.24	0.296 41
1.002 88	997.13	105.09	0.367 15	25	1.002 87	997.14	105.10	0.367 15	25	1.002 85	997.16	105.15	0.367 14
1.004 29	995.73	125.99	0.436 67	30	1.004 28	995.74	126.00	0.436 66	30	1.004 26	995.76	126.05	0.436 65
1.005 92	994.11	146.88	0.505 03	35	1.005 91	994.12	146.90	0.505 03	35	1.005 89	994.14	146.94	0.505 01
1.007 77	992.29	167.77	0.572 30	40	1.007 76	992.30	167.79	0.572 29	40	1.007 73	992.33	167.84	0.572 27
1.009 80	990.29	188.67	0.638 50	45	1.009 80	990.30	188.69	0.638 49	45	1.009 77	990.32	188.73	0.638 47
1.012 03	988.11	209.57	0.703 68	50	1.012 02	988.12	209.59	0.703 68	50	1.012 00	988.14	209.63	0.703 65
1.014 43	985.77	230.48	0.767 89	55	1.014 43	985.78	230.50	0.767 88	55	1.014 40	985.80	230.54	0.767 86
1.017 01	983.27	251.40	0.831 15	60	1.017 00	983.28	251.42	0.831 14	60	1.016 98	983.30	251.46	0.831 12
1.019 75	980.63	272.33	0.893 51	65	1.019 74	980.64	272.34	0.893 50	65	1.019 72	980.66	272.39	0.893 47
1.022 66	977.84	293.27	0.954 98	70	1.022 65	977.85	293.29	0.954 97	70	1.022 63	977.87	293.33	0.954 94
1.025 72	974.92	314.22	1.0156	75	1.025 71	974.93	314.24	1.0156	75	1.025 69	974.95	314.28	1.0156
1.028 94	971.87	335.20	1.0754	80	1.028 93	971.88	335.21	1.0754	80	1.028 91	971.90	335.25	1.0754
1.032 32	968.69	356.19	1.1344	85	1.032 31	968.70	356.20	1.1344	85	1.032 29	968.72	356.24	1.1344
1.035 85	965.39	377.20	1.1927	90	1.035 84	965.40	377.22	1.1927	90	1.035 81	965.42	377.26	1.1927
1.039 53	961.97	398.24	1.2502	95	1.039 52	961.98	398.25	1.2502	95	1.039 50	962.00	398.29	1.2502
1.043 37	958.43	419.30	1.3071	100	1.043 36	958.44	419.32	1.3071	100	1.043 33	958.47	419.35	1.3070
1.047 36	954.78	440.39	1.3632	105	1.047 35	954.79	440.41	1.3632	105	1.047 32	954.81	440.44	1.3632
1.051 51	951.01	461.51	1.4187	110	1.051 50	951.02	461.53	1.4187	110	1.051 47	951.05	461.57	1.4187
1.055 81	947.14	482.67	1.4736	115	1.055 80	947.15	482.69	1.4736	115	1.055 78	947.17	482.72	1.4735
1.060 28	943.15	503.87	1.5278	120	1.060 27	943.16	503.88	1.5278	120	1.060 24	943.18	503.92	1.5278
1.064 91	939.05	525.11	1.5815	125	1.064 90	939.06	525.12	1.5815	125	1.064 87	939.08	525.16	1.5814
1.069 70	934.84	546.39	1.6346	130	1.069 69	934.85	546.40	1.6346	130	1.069 66	934.88	546.44	1.6346
653.30	1.5307	2730.2	7.0356	135	608.33	1.6438	2728.2	6.9998	135	1.074 63	930.56	567.77	1.6872
662.47	1.5095	2741.2	7.0624	140	616.97	1.6208	2739.4	7.0269	140	525.91	1.9015	2734.6	6.9465
671.56	1.4891	2752.1	7.0885	145	625.53	1.5986	2750.3	7.0533	145	533.41	1.8747	2745.9	6.9738
680.59	1.4693	2762.8	7.1140	150	634.01	1.5773	2761.2	7.0791	150	540.83	1.8490	2757.1	7.0003
689.55	1.4502	2773.5	7.1390	155	642.44	1.5566	2771.9	7.1044	155	548.18	1.8242	2768.1	7.0261
698.46	1.4317	2784.0	7.1636	160	650.81	1.5365	2782.6	7.1291	160	555.47	1.8003	2778.9	7.0514
707.33	1.4138	2794.5	7.1877	165	659.13	1.5171	2793.2	7.1534	165	562.72	1.7771	2789.7	7.0761
716.16	1.3963	2805.0	7.2114	170	667.42	1.4983	2803.7	7.1773	170	569.91	1.7547	2800.4	7.1004
724.94	1.3794	2815.4	7.2348	175	675.66	1.4800	2814.2	7.2008	175	577.07	1.7329	2811.1	7.1243
733.70	1.3630	2825.8	7.2578	180	683.87	1.4623	2824.6	7.2239	180	584.19	1.7118	2821.6	7.1477
742.42	1.3469	2836.1	7.2804	185	692.05	1.4450	2835.0	7.2467	185	591.28	1.6912	2832.1	7.1708
751.12	1.3313	2846.4	7.3028	190	700.20	1.4282	2845.3	7.2691	190	598.34	1.6713	2842.6	7.1935
759.79	1.3161	2856.6	7.3248	195	708.32	1.4118	2855.6	7.2913	195	605.37	1.6519	2853.0	7.2159
768.44	1.3013	2866.9	7.3465	200	716.42	1.3958	2865.9	7.3131	200	612.38	1.6330	2863.4	7.2380
785.67	1.2728	2887.3	7.3893	210	732.56	1.3651	2886.4	7.3560	210	626.33	1.5966	2884.1	7.2813
802.82	1.2456	2907.6	7.4310	220	748.62	1.3358	2906.8	7.3978	220	640.20	1.5620	2904.7	7.3235
819.92	1.2196	2928.0	7.4717	230	764.61	1.3078	2927.2	7.4387	230	654.00	1.5290	2925.2	7.3647
836.95	1.1948	2948.3	7.5117	240	780.55	1.2811	2947.5	7.4788	240	667.75	1.4976	2945.7	7.4050
853.94	1.1710	2968.5	7.5508	250	796.44	1.2556	2967.9	7.5180	250	681.45	1.4675	2966.2	7.4444
870.88	1.1483	2988.8	7.5892	260	812.29	1.2311	2988.2	7.5565	260	695.10	1.4386	2986.6	7.4831
887.79	1.1264	3009.1	7.6269	270	828.10	1.2076	3008.5	7.5943	270	708.72	1.4110	3007.0	7.5211
904.67	1.1054	3029.4	7.6640	280	843.88	1.1850	3028.8	7.6314	280	722.30	1.3845	3027.4	7.5583
921.51	1.0852	3049.7	7.7004	290	859.62	1.1633	3049.2	7.6678	290	735.85	1.3590	3047.9	7.5949

Table 3. Compressed Water and Superheated Steam (continued)

0.40 MPa ($t_s = 143.608\text{ }^{\circ}\text{C}$)				$t, ^{\circ}\text{C}$	0.45 MPa ($t_s = 147.903\text{ }^{\circ}\text{C}$)				$t, ^{\circ}\text{C}$	0.50 MPa ($t_s = 151.831\text{ }^{\circ}\text{C}$)			
v	ρ	h	s		v	ρ	h	s		v	ρ	h	s
654.89	1.5270	3067.1	7.5677	300	581.40	1.7200	3065.8	7.5117	300	522.61	1.9135	3064.6	7.4614
666.74	1.4998	3087.6	7.6032	310	591.98	1.6893	3086.4	7.5473	310	532.16	1.8791	3085.2	7.4972
678.58	1.4737	3108.2	7.6382	320	602.53	1.6597	3107.0	7.5824	320	541.69	1.8461	3105.9	7.5323
690.39	1.4485	3128.8	7.6726	330	613.06	1.6312	3127.7	7.6169	330	551.19	1.8143	3126.6	7.5669
702.18	1.4241	3149.4	7.7065	340	623.57	1.6037	3148.4	7.6509	340	560.68	1.7836	3147.3	7.6010
713.96	1.4006	3170.0	7.7399	350	634.07	1.5771	3169.1	7.6844	350	570.15	1.7539	3168.1	7.6346
725.72	1.3779	3190.7	7.7728	360	644.55	1.5515	3189.8	7.7174	360	579.61	1.7253	3188.9	7.6677
737.47	1.3560	3211.5	7.8053	370	655.01	1.5267	3210.6	7.7499	370	589.05	1.6977	3209.7	7.7003
749.21	1.3347	3232.2	7.8374	380	665.47	1.5027	3231.4	7.7820	380	598.48	1.6709	3230.5	7.7325
760.93	1.3142	3253.0	7.8690	390	675.91	1.4795	3252.2	7.8137	390	607.90	1.6450	3251.4	7.7642
772.64	1.2943	3273.9	7.9002	400	686.34	1.4570	3273.1	7.8450	400	617.30	1.6199	3272.3	7.7955
784.35	1.2749	3294.8	7.9311	410	696.77	1.4352	3294.1	7.8759	410	626.70	1.5957	3293.3	7.8265
796.05	1.2562	3315.8	7.9615	420	707.18	1.4141	3315.1	7.9064	420	636.09	1.5721	3314.4	7.8570
807.73	1.2380	3336.8	7.9917	430	717.59	1.3936	3336.1	7.9366	430	645.47	1.5493	3335.4	7.8872
819.41	1.2204	3357.9	8.0214	440	727.99	1.3737	3357.2	7.9664	440	654.84	1.5271	3356.6	7.9170
831.09	1.2032	3379.0	8.0508	450	738.38	1.3543	3378.4	7.9958	450	664.21	1.5056	3377.7	7.9465
842.75	1.1866	3400.2	8.0799	460	748.76	1.3355	3399.6	8.0250	460	673.57	1.4846	3399.0	7.9757
854.41	1.1704	3421.4	8.1087	470	759.14	1.3173	3420.9	8.0538	470	682.92	1.4643	3420.3	8.0045
866.07	1.1546	3442.8	8.1372	480	769.51	1.2995	3442.2	8.0823	480	692.27	1.4445	3441.6	8.0331
877.71	1.1393	3464.1	8.1654	490	779.88	1.2823	3463.6	8.1105	490	701.61	1.4253	3463.0	8.0613
889.36	1.1244	3485.5	8.1933	500	790.24	1.2654	3485.0	8.1384	500	710.94	1.4066	3484.5	8.0892
912.63	1.0957	3528.6	8.2482	520	810.95	1.2331	3528.1	8.1934	520	729.60	1.3706	3527.6	8.1443
935.89	1.0685	3571.9	8.3021	540	831.64	1.2024	3571.4	8.2473	540	748.24	1.3365	3570.9	8.1983
959.13	1.0426	3615.4	8.3550	560	852.32	1.1733	3614.9	8.3002	560	766.87	1.3040	3614.5	8.2512
982.36	1.0180	3659.2	8.4069	580	872.98	1.1455	3658.8	8.3522	580	785.48	1.2731	3658.4	8.3032
1005.6	0.9944	3703.2	8.4580	600	893.64	1.1190	3702.9	8.4033	600	804.09	1.2436	3702.5	8.3543
1028.8	0.9720	3747.6	8.5082	620	914.28	1.0938	3747.2	8.4535	620	822.68	1.2155	3746.8	8.4046
1052.0	0.9509	3792.2	8.5576	640	934.91	1.0696	3791.8	8.5029	640	841.26	1.1887	3791.5	8.4540
1075.2	0.9309	3837.0	8.6062	660	955.54	1.0465	3836.7	8.5515	660	859.83	1.1630	3836.4	8.5027
1098.3	0.9104	3882.2	8.6540	680	976.15	1.0244	3881.9	8.5994	680	878.40	1.1384	3881.6	8.5506
1121.5	0.8916	3927.6	8.7012	700	996.76	1.0032	3927.3	8.6466	700	896.96	1.1149	3927.0	8.5977
1144.7	0.8736	3973.3	8.7477	720	1017.4	0.9829	3973.0	8.6931	720	915.51	1.0923	3972.7	8.6443
1167.8	0.8562	4019.3	8.7935	740	1038.0	0.9634	4019.0	8.7389	740	934.05	1.0706	4018.7	8.6901
1191.0	0.8396	4065.5	8.8387	760	1058.6	0.9449	4065.3	8.7842	760	952.59	1.0498	4065.0	8.7353
1214.2	0.8236	4112.0	8.8833	780	1079.1	0.9266	4111.8	8.8288	780	971.13	1.0297	4111.6	8.7800
1237.3	0.8082	4158.8	8.9273	800	1099.7	0.9093	4158.6	8.8728	800	989.66	1.0104	4158.4	8.8240
1260.4	0.7937	4205.9	8.9708	820	1120.3	0.8926	4205.7	8.9163	820	1008.2	0.9918	4205.5	8.8675
1283.6	0.7797	4253.3	9.0137	840	1140.9	0.8765	4253.0	8.9592	840	1026.7	0.9739	4252.8	8.9104
1306.7	0.7658	4300.9	9.0561	860	1161.4	0.8610	4300.7	9.0016	860	1045.2	0.9567	4300.5	8.9528
1329.8	0.7519	4348.8	9.0980	880	1182.0	0.8460	4348.6	9.0435	880	1063.7	0.9407	4348.4	8.9947
1353.0	0.7391	4396.9	9.1394	900	1202.6	0.8315	4396.7	9.0849	900	1082.3	0.9239	4396.6	9.0362
1376.1	0.7269	4445.3	9.1803	920	1223.1	0.8175	4445.2	9.1258	920	1100.8	0.9085	4445.0	9.0771
1399.2	0.7146	4494.0	9.2208	940	1243.7	0.8040	4493.9	9.1663	940	1119.3	0.8934	4493.7	9.1176
1422.3	0.7030	4543.0	9.2608	960	1264.3	0.7909	4542.8	9.2064	960	1137.8	0.8789	4542.7	9.1576
1445.5	0.6918	4592.2	9.3004	980	1284.8	0.7783	4592.1	9.2460	980	1156.3	0.8648	4591.9	9.1972
1468.6	0.6809	4641.7	9.3396	1000	1305.4	0.7660	4641.5	9.2851	1000	1174.8	0.8512	4641.4	9.2364
1584.1	0.6312	4892.8	9.5295	1100	1408.1	0.7108	4892.7	9.4750	1100	1267.3	0.7891	4892.6	9.4263
1699.7	0.5883	5150.0	9.7102	1200	1510.8	0.6619	5149.9	9.6558	1200	1359.7	0.7354	5149.8	9.6071
1815.2	0.5509	5412.8	9.8828	1300	1613.5	0.6197	5412.7	9.8284	1300	1452.1	0.6886	5412.6	9.7797
1930.6	0.5179	5680.8	10.048	1400	1716.1	0.5827	5680.7	9.9935	1400	1544.5	0.6474	5680.6	9.9448
2046.1	0.4887	5953.6	10.206	1500	1818.8	0.5498	5953.5	10.152	1500	1636.9	0.6109	5953.5	10.103
2161.5	0.4626	6230.8	10.358	1600	1921.4	0.5204	6230.7	10.304	1600	1729.3	0.5782	6230.7	10.255
2392.4	0.4179	6797.0	10.645	1800	2126.6	0.4702	6797.0	10.591	1800	1914.0	0.5224	6797.0	10.542
2623.2	0.3812	7376.9	10.912	2000	2331.8	0.4288	7376.9	10.858	2000	2098.7	0.4764	7376.9	10.809

Table 3. Compressed Water and Superheated Steam (continued)

0.55 MPa ($t_s = 155.456\text{ }^\circ\text{C}$)				$t_s, \text{ }^\circ\text{C}$	0.60 MPa ($t_s = 158.826\text{ }^\circ\text{C}$)				$t_s, \text{ }^\circ\text{C}$	0.65 MPa ($t_s = 161.980\text{ }^\circ\text{C}$)			
v	ρ	h	s		v	ρ	h	s		v	ρ	h	s
1.096 68	911.85	655.76	1.8970	$t_s(L)$	1.100 60	908.59	670.38	1.9308	$t_s(L)$	1.104 36	905.51	684.08	1.9623
342.60	2.9189	2752.3	6.7886	$t_s(V)$	315.58	3.1687	2756.1	6.7592	$t_s(V)$	292.59	3.4177	2759.6	6.7322
0.999 93	1000.07	0.52	-0.000 12	0	0.999 90	1000.10	0.57	-0.000 11	0	0.999 88	1000.12	0.62	-0.000 11
0.999 81	1000.19	21.57	0.076 24	5	0.999 79	1000.21	21.62	0.076 24	5	0.999 76	1000.24	21.67	0.076 24
1.000 08	999.92	42.56	0.151 04	10	1.000 06	999.94	42.61	0.151 03	10	1.000 04	999.96	42.65	0.151 03
1.000 69	999.31	63.51	0.224 38	15	1.000 67	999.34	63.55	0.224 37	15	1.000 64	999.36	63.60	0.224 37
1.001 59	998.41	84.43	0.296 37	20	1.001 57	998.44	84.48	0.296 36	20	1.001 54	998.46	84.52	0.296 35
1.002 76	997.25	105.34	0.367 08	25	1.002 73	997.27	105.38	0.367 07	25	1.002 71	997.30	105.43	0.367 06
1.004 17	995.85	126.23	0.436 59	30	1.004 15	995.87	126.28	0.436 57	30	1.004 12	995.89	126.32	0.436 56
1.005 80	994.23	147.12	0.504 94	35	1.005 78	994.25	147.17	0.504 92	35	1.005 76	994.28	147.21	0.504 91
1.007 64	992.41	168.01	0.572 19	40	1.007 62	992.44	168.06	0.572 17	40	1.007 60	992.46	168.10	0.572 15
1.009 68	990.41	188.91	0.638 38	45	1.009 66	990.43	188.95	0.638 36	45	1.009 64	990.45	188.99	0.638 34
1.011 91	988.23	209.81	0.703 56	50	1.011 89	988.25	209.85	0.703 54	50	1.011 86	988.27	209.89	0.703 51
1.014 31	985.89	230.71	0.767 76	55	1.014 29	985.91	230.75	0.767 73	55	1.014 27	985.93	230.80	0.767 71
1.016 89	983.39	251.63	0.831 01	60	1.016 87	983.41	251.67	0.830 98	60	1.016 84	983.44	251.71	0.830 96
1.019 63	980.75	272.55	0.893 36	65	1.019 61	980.77	272.59	0.893 33	65	1.019 58	980.79	272.63	0.893 30
1.022 53	977.96	293.49	0.954 82	70	1.022 51	977.98	293.53	0.954 79	70	1.022 49	978.01	293.57	0.954 76
1.025 60	975.04	314.44	1.0154	75	1.025 57	975.06	314.48	1.0154	75	1.025 55	975.09	314.52	1.0154
1.028 82	971.99	335.41	1.0752	80	1.028 79	972.01	335.45	1.0752	80	1.028 77	972.04	335.49	1.0752
1.032 19	968.81	356.40	1.1343	85	1.032 17	968.84	356.44	1.1342	85	1.032 14	968.86	356.48	1.1342
1.035 72	965.51	377.41	1.1925	90	1.035 69	965.54	377.45	1.1925	90	1.035 67	965.56	377.49	1.1924
1.039 40	962.10	398.44	1.2500	95	1.039 37	962.12	398.48	1.2500	95	1.039 35	962.14	398.52	1.2500
1.043 23	958.56	419.50	1.3069	100	1.043 21	958.58	419.54	1.3068	100	1.043 18	958.61	419.58	1.3068
1.047 22	954.91	440.59	1.3630	105	1.047 19	954.93	440.63	1.3630	105	1.047 17	954.96	440.67	1.3629
1.051 36	951.14	461.71	1.4185	110	1.051 34	951.17	461.75	1.4184	110	1.051 31	951.19	461.78	1.4184
1.055 67	947.27	482.87	1.4733	115	1.055 64	947.29	482.90	1.4733	115	1.055 61	947.32	482.94	1.4733
1.060 13	943.28	504.06	1.5276	120	1.060 10	943.31	504.09	1.5275	120	1.060 07	943.33	504.13	1.5275
1.064 75	939.19	525.29	1.5813	125	1.064 72	939.21	525.33	1.5812	125	1.064 69	939.24	525.36	1.5812
1.069 54	934.98	546.57	1.6344	130	1.069 51	935.01	546.61	1.6343	130	1.069 48	935.03	546.64	1.6343
1.074 50	930.66	567.90	1.6870	135	1.074 47	930.69	567.93	1.6869	135	1.074 44	930.72	567.97	1.6869
1.079 64	926.24	589.28	1.7390	140	1.079 61	926.26	589.32	1.7390	140	1.079 57	926.29	589.35	1.7389
1.084 95	921.70	610.72	1.7906	145	1.084 92	921.73	610.76	1.7905	145	1.084 89	921.75	610.79	1.7905
1.090 45	917.05	632.22	1.8417	150	1.090 42	917.08	632.26	1.8417	150	1.090 39	917.11	632.29	1.8416
1.096 15	912.29	653.79	1.8924	155	1.096 11	912.32	653.82	1.8923	155	1.096 08	912.35	653.85	1.8923
347.15	2.8806	2763.3	6.8140	160	316.68	3.1578	2759.0	6.7659	160	1.101 97	907.47	675.49	1.9425
352.08	2.8403	2775.1	6.8410	165	321.29	3.1124	2771.1	6.7937	165	295.21	3.3874	2767.1	6.7494
356.95	2.8015	2786.6	6.8673	170	325.83	3.0690	2783.0	6.8206	170	299.48	3.3391	2779.2	6.7769
361.77	2.7642	2798.0	6.8928	175	330.32	3.0274	2794.6	6.8466	175	303.69	3.2929	2791.1	6.8035
366.54	2.7282	2809.3	6.9178	180	334.75	2.9873	2806.0	6.8720	180	307.84	3.2484	2802.7	6.8293
371.27	2.6935	2820.4	6.9422	185	339.15	2.9486	2817.3	6.8968	185	311.95	3.2056	2814.2	6.8546
375.97	2.6598	2831.4	6.9662	190	343.50	2.9112	2828.5	6.9211	190	316.02	3.1643	2825.6	6.8792
380.63	2.6272	2842.4	6.9897	195	347.83	2.8750	2839.6	6.9449	195	320.06	3.1244	2836.8	6.9033
385.27	2.5956	2853.2	7.0128	200	352.12	2.8399	2850.6	6.9683	200	324.06	3.0858	2848.0	6.9270
394.47	2.5351	2874.8	7.0579	210	360.63	2.7729	2872.4	7.0139	210	331.99	3.0121	2870.0	6.9731
403.58	2.4778	2896.1	7.1016	220	369.05	2.7097	2893.9	7.0580	220	339.83	2.9426	2891.7	7.0176
412.61	2.4236	2917.3	7.1441	230	377.40	2.6497	2915.3	7.1008	230	347.59	2.8769	2913.2	7.0608
421.59	2.3720	2938.3	7.1855	240	385.68	2.5929	2936.5	7.1426	240	355.28	2.8146	2934.6	7.1028
430.51	2.3228	2959.3	7.2259	250	393.90	2.5387	2957.6	7.1832	250	362.92	2.7554	2955.8	7.1437
439.38	2.2759	2980.2	7.2655	260	402.08	2.4871	2978.5	7.2230	260	370.51	2.6990	2976.9	7.1837
448.21	2.2311	3001.0	7.3041	270	410.21	2.4378	2999.5	7.2619	270	378.06	2.6451	2997.9	7.2228
457.01	2.1882	3021.8	7.3421	280	418.31	2.3906	3020.3	7.3000	280	385.57	2.5936	3018.9	7.2611
465.77	2.1470	3042.5	7.3793	290	426.38	2.3453	3041.2	7.3373	290	393.05	2.5442	3039.8	7.2986

Table 3. Compressed Water and Superheated Steam (continued)

0.55 MPa ($t_s = 155.456 \text{ } ^\circ\text{C}$)					$t, \text{ } ^\circ\text{C}$	0.60 MPa ($t_s = 158.826 \text{ } ^\circ\text{C}$)					$t, \text{ } ^\circ\text{C}$	0.65 MPa ($t_s = 161.980 \text{ } ^\circ\text{C}$)				
v	ρ	h	s	v		ρ	h	s	v	ρ		h	s			
474.51	2.1075	3063.3	7.4158	300	434.42	2.3019	3062.0	7.3740	300	400.49	2.4969	3060.7	7.3353			
483.22	2.0695	3084.0	7.4517	310	442.43	2.2602	3082.8	7.4100	310	407.92	2.4515	3081.6	7.3715			
491.91	2.0329	3104.8	7.4869	320	450.42	2.2201	3103.6	7.4453	320	415.32	2.4078	3102.5	7.4070			
500.57	1.9977	3125.5	7.5216	330	458.39	2.1815	3124.4	7.4801	330	422.70	2.3658	3123.4	7.4419			
509.22	1.9638	3146.3	7.5558	340	466.34	2.1444	3145.3	7.5144	340	430.06	2.3253	3144.2	7.4762			
517.86	1.9310	3167.1	7.5894	350	474.27	2.1085	3166.1	7.5481	350	437.40	2.2862	3165.1	7.5100			
526.47	1.8994	3187.9	7.6226	360	482.19	2.0739	3187.0	7.5813	360	444.73	2.2486	3186.1	7.5433			
535.08	1.8689	3208.8	7.6553	370	490.10	2.0404	3207.9	7.6141	370	452.04	2.2122	3207.0	7.5761			
543.67	1.8394	3229.7	7.6875	380	497.99	2.0081	3228.8	7.6464	380	459.34	2.1770	3228.0	7.6085			
552.25	1.8108	3250.6	7.7193	390	505.87	1.9768	3249.8	7.6782	390	466.63	2.1430	3249.0	7.6404			
560.82	1.7831	3271.6	7.7507	400	513.74	1.9465	3270.8	7.7097	400	473.91	2.1101	3270.0	7.6719			
569.37	1.7563	3292.6	7.7817	410	521.60	1.9172	3291.8	7.7407	410	481.18	2.0782	3291.1	7.7029			
577.92	1.7303	3313.6	7.8123	420	529.45	1.8887	3312.9	7.7713	420	488.44	2.0473	3312.2	7.7336			
586.47	1.7051	3334.7	7.8425	430	537.29	1.8612	3334.0	7.8016	430	495.69	2.0174	3333.4	7.7639			
595.00	1.6807	3355.9	7.8724	440	545.13	1.8344	3355.2	7.8315	440	502.93	1.9883	3354.6	7.7939			
603.53	1.6569	3377.1	7.9019	450	552.96	1.8085	3376.5	7.8611	450	510.17	1.9601	3375.8	7.8235			
612.05	1.6339	3398.4	7.9311	460	560.78	1.7832	3397.7	7.8903	460	517.40	1.9328	3397.1	7.8527			
620.56	1.6114	3419.7	7.9600	470	568.59	1.7587	3419.1	7.9192	470	524.62	1.9061	3418.5	7.8817			
629.07	1.5897	3441.0	7.9885	480	576.40	1.7349	3440.5	7.9478	480	531.84	1.8803	3439.9	7.9103			
637.57	1.5685	3462.5	8.0168	490	584.20	1.7117	3461.9	7.9761	490	539.05	1.8551	3461.3	7.9386			
646.07	1.5478	3483.9	8.0447	500	592.00	1.6892	3483.4	8.0041	500	546.25	1.8306	3482.9	7.9666			
663.05	1.5082	3527.1	8.0998	520	607.58	1.6459	3526.6	8.0592	520	560.65	1.7836	3526.1	8.0218			
680.01	1.4706	3570.4	8.1538	540	623.15	1.6048	3570.0	8.1132	540	575.03	1.7390	3569.5	8.0759			
696.96	1.4348	3614.1	8.2068	560	638.70	1.5657	3613.6	8.1663	560	589.40	1.6966	3613.2	8.1289			
713.89	1.4008	3657.9	8.2589	580	654.24	1.5285	3657.5	8.2183	580	603.76	1.6563	3657.1	8.1810			
730.82	1.3683	3702.1	8.3100	600	669.76	1.4931	3701.7	8.2695	600	618.10	1.6179	3701.3	8.2322			
747.73	1.3374	3746.5	8.3603	620	685.28	1.4593	3746.1	8.3198	620	632.43	1.5812	3745.7	8.2825			
764.63	1.3078	3791.1	8.4097	640	700.78	1.4270	3790.8	8.3693	640	646.75	1.5462	3790.4	8.3320			
781.53	1.2795	3836.1	8.4584	660	716.28	1.3961	3835.7	8.4180	660	661.06	1.5127	3835.4	8.3808			
798.42	1.2525	3881.3	8.5063	680	731.76	1.3666	3880.9	8.4659	680	675.37	1.4807	3880.6	8.4287			
815.30	1.2265	3926.7	8.5535	700	747.25	1.3382	3926.4	8.5131	700	689.67	1.4500	3926.1	8.4760			
832.17	1.2017	3972.5	8.6000	720	762.72	1.3111	3972.2	8.5597	720	703.96	1.4205	3971.9	8.5225			
849.04	1.1778	4018.5	8.6459	740	778.19	1.2850	4018.2	8.6056	740	718.24	1.3923	4017.9	8.5684			
865.90	1.1549	4064.8	8.6912	760	793.65	1.2600	4064.5	8.6508	760	732.52	1.3651	4064.3	8.6137			
882.76	1.1328	4111.3	8.7358	780	809.11	1.2359	4111.1	8.6954	780	746.80	1.3390	4110.8	8.6583			
899.61	1.1116	4158.2	8.7798	800	824.57	1.2128	4157.9	8.7395	800	761.07	1.3139	4157.7	8.7024			
916.46	1.0912	4205.3	8.8233	820	840.02	1.1904	4205.0	8.7830	820	775.34	1.2898	4204.8	8.7459			
933.30	1.0715	4252.6	8.8663	840	855.47	1.1690	4252.4	8.8260	840	789.60	1.2665	4252.2	8.7889			
950.15	1.0525	4300.3	8.9087	860	870.91	1.1482	4300.1	8.8684	860	803.86	1.2440	4299.9	8.8313			
966.98	1.0341	4348.2	8.9506	880	886.35	1.1282	4348.0	8.9103	880	818.12	1.2223	4347.8	8.8732			
983.82	1.0164	4396.4	8.9920	900	901.78	1.1089	4396.2	8.9518	900	832.37	1.2014	4396.0	8.9147			
1000.7	0.999 35	4444.8	9.0330	920	917.22	1.0903	4444.7	8.9927	920	846.62	1.1812	4444.5	8.9556			
1017.5	0.982 82	4493.5	9.0735	940	932.65	1.0722	4493.4	9.0332	940	860.87	1.1616	4493.2	8.9962			
1034.3	0.966 83	4542.5	9.1135	960	948.08	1.0548	4542.4	9.0733	960	875.12	1.1427	4542.2	9.0362			
1051.1	0.951 35	4591.8	9.1531	980	963.51	1.0379	4591.6	9.1129	980	889.36	1.1244	4591.5	9.0758			
1068.0	0.936 37	4641.3	9.1923	1000	978.93	1.0215	4641.1	9.1521	1000	903.60	1.1067	4641.0	9.1150			
1152.0	0.868 02	4892.5	9.3822	1100	1056.0	0.946 95	4892.4	9.3420	1100	974.78	1.0259	4892.2	9.3050			
1236.1	0.809 00	5149.7	9.5630	1200	1133.1	0.882 54	5149.6	9.5228	1200	1045.9	0.956 09	5149.5	9.4858			
1320.1	0.757 50	5412.6	9.7356	1300	1210.1	0.826 36	5412.5	9.6954	1300	1117.0	0.895 22	5412.4	9.6584			
1404.1	0.712 18	5680.6	9.9008	1400	1287.1	0.776 92	5680.5	9.8606	1400	1188.1	0.841 66	5680.5	9.8236			
1488.1	0.671 99	5953.4	10.059	1500	1364.1	0.733 07	5953.4	10.019	1500	1259.2	0.794 15	5953.3	9.9820			
1572.1	0.636 09	6230.7	10.211	1600	1441.1	0.693 91	6230.6	10.171	1600	1330.3	0.751 72	6230.6	10.134			
1740.0	0.574 71	6796.9	10.498	1800	1595.1	0.626 94	6796.9	10.458	1800	1472.4	0.679 17	6796.9	10.421			
1907.9	0.524 13	7376.9	10.765	2000	1749.0	0.571 77	7376.8	10.725	2000	1614.5	0.619 40	7376.8	10.688			

Table 3. Compressed Water and Superheated Steam (continued)

0.70 MPa ($t_s = 164.946$ °C)				$t, ^\circ\text{C}$	0.75 MPa ($t_s = 167.749$ °C)				$t, ^\circ\text{C}$	0.80 MPa ($t_s = 170.406$ °C)			
v	ρ	h	s		v	ρ	h	s		v	ρ	h	s
371.42	2.6924	3059.4	7.2995	300	346.21	2.8884	3058.2	7.2659	300	324.16	3.0849	3056.9	7.2345
378.33	2.6432	3080.4	7.3357	310	352.69	2.8353	3079.2	7.3023	310	330.26	3.0280	3078.0	7.2710
385.23	2.5959	3101.3	7.3713	320	359.15	2.7844	3100.2	7.3380	320	336.33	2.9733	3099.0	7.3068
392.10	2.5504	3122.3	7.4063	330	365.58	2.7354	3121.2	7.3731	330	342.38	2.9207	3120.1	7.3420
398.95	2.5066	3143.2	7.4407	340	372.00	2.6882	3142.2	7.4076	340	348.41	2.8702	3141.1	7.3766
405.79	2.4643	3164.2	7.4746	350	378.39	2.6427	3163.2	7.4416	350	354.42	2.8215	3162.2	7.4106
412.61	2.4236	3185.1	7.5080	360	384.78	2.5989	3184.2	7.4750	360	360.42	2.7745	3183.2	7.4441
419.42	2.3843	3206.1	7.5409	370	391.15	2.5566	3205.2	7.5080	370	366.41	2.7292	3204.3	7.4772
426.21	2.3462	3227.1	7.5733	380	397.50	2.5157	3226.2	7.5405	380	372.38	2.6855	3225.4	7.5097
432.99	2.3095	3248.1	7.6053	390	403.84	2.4762	3247.3	7.5725	390	378.34	2.6432	3246.5	7.5418
439.77	2.2739	3269.2	7.6368	400	410.18	2.4380	3268.4	7.6041	400	384.28	2.6022	3267.6	7.5734
446.53	2.2395	3290.3	7.6679	410	416.50	2.4010	3289.6	7.6353	410	390.22	2.5626	3288.8	7.6046
453.28	2.2061	3311.5	7.6986	420	422.81	2.3651	3310.7	7.6660	420	396.15	2.5243	3310.0	7.6355
460.03	2.1738	3332.7	7.7290	430	429.12	2.3304	3332.0	7.6964	430	402.07	2.4871	3331.3	7.6659
466.76	2.1424	3353.9	7.7590	440	435.41	2.2967	3353.2	7.7264	440	407.98	2.4511	3352.6	7.6960
473.49	2.1120	3375.2	7.7886	450	441.70	2.2640	3374.5	7.7561	450	413.89	2.4161	3373.9	7.7257
480.21	2.0824	3396.5	7.8179	460	447.99	2.2322	3395.9	7.7854	460	419.79	2.3822	3395.3	7.7550
486.93	2.0537	3417.9	7.8469	470	454.26	2.2014	3417.3	7.8144	470	425.68	2.3492	3416.7	7.7840
493.64	2.0258	3439.3	7.8755	480	460.53	2.1714	3438.7	7.8431	480	431.57	2.3171	3438.2	7.8127
500.34	1.9986	3460.8	7.9038	490	466.80	2.1423	3460.2	7.8715	490	437.45	2.2860	3459.7	7.8411
507.04	1.9722	3482.3	7.9319	500	473.06	2.1139	3481.8	7.8995	500	443.32	2.2557	3481.3	7.8692
520.43	1.9215	3525.6	7.9871	520	485.56	2.0595	3525.1	7.9548	520	455.06	2.1975	3524.6	7.9245
533.79	1.8734	3569.0	8.0412	540	498.05	2.0078	3568.6	8.0090	540	466.78	2.1423	3568.1	7.9787
547.15	1.8277	3612.8	8.0943	560	510.53	1.9588	3612.3	8.0621	560	478.48	2.0899	3611.9	8.0319
560.49	1.7842	3656.7	8.1465	580	522.99	1.9121	3656.3	8.1143	580	490.17	2.0401	3655.9	8.0841
573.81	1.7427	3700.9	8.1977	600	535.43	1.8676	3700.5	8.1655	600	501.85	1.9926	3700.1	8.1354
587.13	1.7032	3745.4	8.2480	620	547.87	1.8252	3745.0	8.2159	620	513.52	1.9473	3744.6	8.1858
600.44	1.6655	3790.1	8.2976	640	560.30	1.7848	3789.8	8.2654	640	525.18	1.9041	3789.4	8.2353
613.74	1.6294	3835.1	8.3463	660	572.72	1.7461	3834.8	8.3142	660	536.83	1.8628	3834.4	8.2841
627.03	1.5948	3880.3	8.3943	680	585.13	1.7090	3880.0	8.3622	680	548.47	1.8232	3879.7	8.3321
640.31	1.5617	3925.8	8.4415	700	597.54	1.6735	3925.5	8.4094	700	560.11	1.7854	3925.3	8.3794
653.59	1.5300	3971.6	8.4881	720	609.94	1.6395	3971.3	8.4560	720	571.74	1.7490	3971.1	8.4260
666.86	1.4996	4017.7	8.5340	740	622.33	1.6069	4017.4	8.5019	740	583.36	1.7142	4017.2	8.4720
680.13	1.4703	4064.0	8.5793	760	634.72	1.5755	4063.8	8.5472	760	594.98	1.6807	4063.5	8.5173
693.39	1.4422	4110.6	8.6239	780	647.10	1.5454	4110.4	8.5919	780	606.59	1.6486	4110.1	8.5619
706.64	1.4151	4157.5	8.6680	800	659.48	1.5164	4157.2	8.6360	800	618.20	1.6176	4157.0	8.6061
719.90	1.3891	4204.6	8.7115	820	671.85	1.4884	4204.4	8.6795	820	629.81	1.5878	4204.2	8.6496
733.15	1.3640	4252.0	8.7545	840	684.22	1.4615	4251.8	8.7225	840	641.41	1.5591	4251.6	8.6926
746.39	1.3398	4299.7	8.7970	860	696.59	1.4356	4299.5	8.7650	860	653.00	1.5314	4299.3	8.7351
759.63	1.3164	4347.6	8.8389	880	708.95	1.4105	4347.4	8.8069	880	664.60	1.5047	4347.2	8.7770
772.87	1.2939	4395.8	8.8804	900	721.31	1.3864	4395.7	8.8484	900	676.19	1.4789	4395.5	8.8185
786.11	1.2721	4444.3	8.9213	920	733.67	1.3630	4444.1	8.8894	920	687.78	1.4540	4444.0	8.8595
799.34	1.2510	4493.0	8.9618	940	746.02	1.3404	4492.9	8.9299	940	699.36	1.4299	4492.7	8.9000
812.57	1.2307	4542.0	9.0019	960	758.37	1.3186	4541.9	8.9699	960	710.95	1.4066	4541.7	8.9400
825.80	1.2109	4591.3	9.0415	980	770.72	1.2975	4591.2	9.0096	980	722.53	1.3840	4591.0	8.9797
839.03	1.1919	4640.8	9.0807	1000	783.07	1.2770	4640.7	9.0488	1000	734.11	1.3622	4640.5	9.0189
905.14	1.1048	4892.1	9.2707	1100	844.78	1.1837	4892.0	9.2388	1100	791.97	1.2627	4891.9	9.2089
971.21	1.0296	5149.4	9.4516	1200	906.46	1.1032	5149.3	9.4197	1200	849.80	1.1767	5149.2	9.3898
1037.3	0.964 08	5412.3	9.6242	1300	968.11	1.0329	5412.2	9.5923	1300	907.60	1.1018	5412.2	9.5625
1103.3	0.906 39	5680.4	9.7894	1400	1029.7	0.971 12	5680.3	9.7575	1400	965.39	1.0359	5680.3	9.7277
1169.3	0.855 22	5953.3	9.9478	1500	1091.3	0.916 30	5953.2	9.9159	1500	1023.2	0.977 37	5953.2	9.8861
1235.3	0.809 53	6230.5	10.100	1600	1152.9	0.867 34	6230.5	10.068	1600	1080.9	0.925 15	6230.5	10.038
1367.2	0.731 40	6796.9	10.387	1800	1276.1	0.783 63	6796.8	10.355	1800	1196.4	0.835 85	6796.8	10.325
1499.2	0.667 03	7376.8	10.654	2000	1399.3	0.714 66	7376.8	10.622	2000	1311.8	0.762 29	7376.8	10.592

Table 3. Compressed Water and Superheated Steam (continued)

0.9 MPa ($t_s = 175.350$ °C)				t_s , °C	1.0 MPa ($t_s = 179.878$ °C)				t_s , °C	1.1 MPa ($t_s = 184.062$ °C)			
v	ρ	h	s		v	ρ	h	s		v	ρ	h	s
1.121 18	891.92	742.56	2.0940	$t_s(L)$	1.127 23	887.13	762.52	2.1381	$t_s(L)$	1.132 99	882.62	781.03	2.1785
214.89	4.6536	2773.0	6.6213	$t_s(V)$	194.36	5.1450	2777.1	6.5850	$t_s(V)$	177.45	5.6354	2780.6	6.5520
0.999 75	1000.25	0.87	-0.000 09	0	0.999 70	1000.30	0.98	-0.000 09	0	0.999 65	1000.35	1.08	-0.000 08
0.999 64	1000.36	21.91	0.076 24	5	0.999 59	1000.41	22.01	0.076 24	5	0.999 54	1000.46	22.11	0.076 23
0.999 92	1000.08	42.90	0.151 01	10	0.999 87	1000.13	42.99	0.151 00	10	0.999 82	1000.18	43.09	0.150 99
1.000 53	999.48	63.84	0.224 33	15	1.000 48	999.52	63.94	0.224 31	15	1.000 43	999.57	64.03	0.224 30
1.001 43	998.57	84.76	0.296 30	20	1.001 38	998.62	84.85	0.296 28	20	1.001 34	998.66	84.95	0.296 26
1.002 60	997.41	105.66	0.366 99	25	1.002 55	997.45	105.75	0.366 97	25	1.002 51	997.50	105.84	0.366 94
1.004 01	996.01	126.55	0.436 48	30	1.003 97	996.05	126.64	0.436 45	30	1.003 92	996.09	126.73	0.436 42
1.005 65	994.39	147.44	0.504 82	35	1.005 60	994.43	147.53	0.504 78	35	1.005 56	994.47	147.62	0.504 75
1.007 49	992.57	168.32	0.572 05	40	1.007 44	992.61	168.41	0.572 02	40	1.007 40	992.65	168.50	0.571 98
1.009 53	990.56	189.21	0.638 23	45	1.009 48	990.61	189.30	0.638 19	45	1.009 44	990.65	189.39	0.638 15
1.011 75	988.38	210.11	0.703 40	50	1.011 71	988.43	210.19	0.703 35	50	1.011 66	988.47	210.28	0.703 30
1.014 16	986.04	231.01	0.767 58	55	1.014 11	986.09	231.09	0.767 53	55	1.014 07	986.13	231.18	0.767 48
1.016 73	983.54	251.92	0.830 82	60	1.016 69	983.59	252.00	0.830 77	60	1.016 64	983.63	252.09	0.830 72
1.019 47	980.90	272.84	0.893 16	65	1.019 43	980.95	272.92	0.893 10	65	1.019 38	980.99	273.01	0.893 05
1.022 37	978.12	293.78	0.954 61	70	1.022 33	978.16	293.86	0.954 55	70	1.022 28	978.21	293.94	0.954 49
1.025 43	975.20	314.72	1.0152	75	1.025 39	975.24	314.81	1.0152	75	1.025 34	975.29	314.89	1.0151
1.028 65	972.15	335.69	1.0750	80	1.028 60	972.19	335.77	1.0750	80	1.028 56	972.24	335.85	1.0749
1.032 02	968.97	356.68	1.1340	85	1.031 97	969.02	356.75	1.1340	85	1.031 92	969.06	356.83	1.1339
1.035 55	965.67	377.68	1.1923	90	1.035 50	965.72	377.76	1.1922	90	1.035 45	965.77	377.84	1.1921
1.039 22	962.26	398.71	1.2498	95	1.039 17	962.30	398.79	1.2497	95	1.039 12	962.35	398.86	1.2496
1.043 05	958.72	419.77	1.3066	100	1.043 00	958.77	419.84	1.3065	100	1.042 95	958.82	419.92	1.3064
1.047 04	955.08	440.85	1.3627	105	1.046 99	955.12	440.92	1.3626	105	1.046 93	955.17	441.00	1.3626
1.051 18	951.31	461.97	1.4182	110	1.051 12	951.36	462.04	1.4181	110	1.051 07	951.41	462.11	1.4180
1.055 47	947.44	483.12	1.4730	115	1.055 42	947.49	483.19	1.4729	115	1.055 37	947.54	483.26	1.4729
1.059 93	943.46	504.30	1.5273	120	1.059 87	943.51	504.38	1.5272	120	1.059 82	943.56	504.45	1.5271
1.064 55	939.36	525.53	1.5809	125	1.064 49	939.42	525.60	1.5808	125	1.064 43	939.47	525.67	1.5807
1.069 33	935.16	546.81	1.6340	130	1.069 27	935.21	546.88	1.6339	130	1.069 22	935.27	546.95	1.6338
1.074 29	930.85	568.13	1.6866	135	1.074 23	930.90	568.20	1.6865	135	1.074 17	930.96	568.27	1.6864
1.079 42	926.43	589.51	1.7387	140	1.079 35	926.48	589.58	1.7386	140	1.079 29	926.53	589.64	1.7384
1.084 72	921.89	610.94	1.7902	145	1.084 66	921.95	611.01	1.7901	145	1.084 59	922.00	611.07	1.7900
1.090 22	917.25	632.44	1.8413	150	1.090 15	917.31	632.50	1.8412	150	1.090 08	917.36	632.56	1.8411
1.095 90	912.49	654.00	1.8920	155	1.095 83	912.55	654.06	1.8919	155	1.095 76	912.61	654.12	1.8918
1.101 79	907.62	675.64	1.9422	160	1.101 71	907.68	675.70	1.9421	160	1.101 64	907.74	675.75	1.9420
1.107 88	902.63	697.35	1.9921	165	1.107 80	902.69	697.41	1.9919	165	1.107 73	902.75	697.46	1.9918
1.114 18	897.52	719.14	2.0415	170	1.114 10	897.58	719.20	2.0414	170	1.114 03	897.65	719.25	2.0413
1.120 72	892.29	741.02	2.0906	175	1.120 63	892.35	741.08	2.0905	175	1.120 55	892.42	741.13	2.0904
217.92	4.5888	2785.2	6.6482	180	194.44	5.1431	2777.4	6.5857	180	1.127 31	887.06	763.10	2.1391
221.12	4.5224	2797.8	6.6759	185	197.42	5.0653	2790.7	6.6148	185	177.97	5.6189	2783.2	6.5576
224.26	4.4590	2810.1	6.7027	190	200.34	4.9916	2803.5	6.6427	190	180.72	5.5336	2796.6	6.5868
227.36	4.3983	2822.2	6.7286	195	203.20	4.9212	2816.0	6.6695	195	183.40	5.4527	2809.6	6.6146
230.42	4.3399	2834.1	6.7539	200	206.02	4.8539	2828.3	6.6955	200	186.03	5.3755	2822.3	6.6415
236.44	4.2294	2857.4	6.8027	210	211.56	4.7268	2852.2	6.7456	210	191.18	5.2308	2846.8	6.6929
242.36	4.1262	2880.3	6.8495	220	216.98	4.6087	2875.5	6.7934	220	196.20	5.0968	2870.7	6.7417
248.18	4.0293	2902.7	6.8946	230	222.31	4.4983	2898.4	6.8393	230	201.13	4.9720	2894.0	6.7885
253.93	3.9380	2924.9	6.9382	240	227.56	4.3944	2920.9	6.8836	240	205.97	4.8551	2916.8	6.8335
259.62	3.8517	2946.8	6.9805	250	232.75	4.2965	2943.1	6.9265	250	210.75	4.7450	2939.4	6.8770
265.26	3.7699	2968.5	7.0216	260	237.88	4.2038	2965.1	6.9681	260	215.47	4.6411	2961.7	6.9192
270.85	3.6921	2990.1	7.0618	270	242.96	4.1159	2986.9	7.0087	270	220.14	4.5426	2983.7	6.9602
276.40	3.6179	3011.6	7.1009	280	248.01	4.0322	3008.6	7.0482	280	224.77	4.4490	3005.6	7.0001
281.92	3.5472	3033.0	7.1392	290	253.01	3.9524	3030.2	7.0868	290	229.36	4.3600	3027.4	7.0391

Table 3. Compressed Water and Superheated Steam (continued)

0.9 MPa ($t_s = 175.350\text{ °C}$)					1.0 MPa ($t_s = 179.878\text{ °C}$)					1.1 MPa ($t_s = 184.062\text{ °C}$)				
v	ρ	h	s	$t_s\text{, °C}$	v	ρ	h	s	$t_s\text{, °C}$	v	ρ	h	s	$t_s\text{, °C}$
287.40	3.4795	3054.3	7.1767	300	257.99	3.8762	3051.6	7.1246	300	233.92	4.2750	3049.0	7.0772	
292.86	3.4146	3075.5	7.2134	310	262.94	3.8032	3073.0	7.1616	310	238.45	4.1937	3070.5	7.1144	
298.29	3.3524	3096.7	7.2495	320	267.86	3.7333	3094.4	7.1979	320	242.96	4.1160	3092.0	7.1509	
303.70	3.2927	3117.9	7.2849	330	272.76	3.6662	3115.7	7.2335	330	247.44	4.0414	3113.4	7.1868	
309.09	3.2353	3139.0	7.3197	340	277.64	3.6018	3136.9	7.2685	340	251.90	3.9698	3134.8	7.2219	
314.47	3.1800	3160.2	7.3539	350	282.50	3.5398	3158.2	7.3029	350	256.35	3.9009	3156.2	7.2565	
319.83	3.1267	3181.3	7.3876	360	287.35	3.4801	3179.4	7.3367	360	260.78	3.8347	3177.5	7.2905	
325.17	3.0753	3202.5	7.4207	370	292.18	3.4225	3200.7	7.3700	370	265.19	3.7709	3198.9	7.3239	
330.50	3.0257	3223.7	7.4534	380	297.00	3.3670	3221.9	7.4028	380	269.59	3.7093	3220.2	7.3568	
335.82	2.9778	3244.8	7.4856	390	301.81	3.3133	3243.2	7.4351	390	273.98	3.6499	3241.5	7.3892	
341.13	2.9314	3266.1	7.5173	400	306.61	3.2615	3264.5	7.4669	400	278.36	3.5925	3262.9	7.4212	
346.43	2.8866	3287.3	7.5486	410	311.39	3.2114	3285.8	7.4984	410	282.72	3.5370	3284.3	7.4527	
351.72	2.8432	3308.6	7.5795	420	316.17	3.1629	3307.1	7.5294	420	287.08	3.4833	3305.6	7.4838	
357.00	2.8011	3329.9	7.6101	430	320.94	3.1159	3328.5	7.5600	430	291.43	3.4314	3327.1	7.5145	
362.27	2.7604	3351.2	7.6402	440	325.69	3.0704	3349.9	7.5902	440	295.77	3.3810	3348.5	7.5448	
367.53	2.7208	3372.6	7.6700	450	330.45	3.0262	3371.3	7.6200	450	300.10	3.3322	3370.0	7.5747	
372.79	2.6825	3394.0	7.6994	460	335.19	2.9834	3392.8	7.6495	460	304.43	3.2848	3391.5	7.6042	
378.04	2.6452	3415.5	7.7285	470	339.93	2.9418	3414.3	7.6786	470	308.75	3.2389	3413.1	7.6335	
383.29	2.6090	3437.0	7.7572	480	344.66	2.9014	3435.8	7.7075	480	313.06	3.1943	3434.7	7.6623	
388.53	2.5738	3458.6	7.7857	490	349.39	2.8621	3457.4	7.7360	490	317.37	3.1509	3456.3	7.6909	
393.76	2.5396	3480.2	7.8138	500	354.11	2.8240	3479.1	7.7641	500	321.67	3.1088	3478.0	7.7191	
404.22	2.4739	3523.6	7.8692	520	363.54	2.7507	3522.6	7.8196	520	330.26	3.0279	3521.5	7.7747	
414.65	2.4116	3567.2	7.9235	540	372.95	2.6813	3566.2	7.8740	540	338.84	2.9513	3565.3	7.8291	
425.08	2.3525	3611.0	7.9768	560	382.35	2.6154	3610.1	7.9273	560	347.40	2.8786	3609.2	7.8825	
435.49	2.2963	3655.1	8.0290	580	391.74	2.5527	3654.2	7.9796	580	355.94	2.8095	3653.4	7.9349	
445.88	2.2427	3699.4	8.0803	600	401.11	2.4931	3698.6	8.0310	600	364.47	2.7437	3697.8	7.9864	
456.27	2.1917	3743.9	8.1308	620	410.47	2.4362	3743.2	8.0815	620	373.00	2.6810	3742.4	8.0369	
466.65	2.1429	3788.7	8.1804	640	419.82	2.3820	3788.0	8.1312	640	381.51	2.6212	3787.3	8.0866	
477.02	2.0964	3833.8	8.2292	660	429.16	2.3301	3833.1	8.1800	660	390.01	2.5640	3832.5	8.1355	
487.38	2.0518	3879.1	8.2773	680	438.50	2.2805	3878.5	8.2281	680	398.51	2.5094	3877.8	8.1836	
497.73	2.0091	3924.7	8.3246	700	447.83	2.2330	3924.1	8.2755	700	407.00	2.4570	3923.5	8.2310	
508.08	1.9682	3970.5	8.3712	720	457.15	2.1875	3970.0	8.3221	720	415.48	2.4069	3969.4	8.2777	
518.42	1.9289	4016.6	8.4172	740	466.47	2.1438	4016.1	8.3681	740	423.96	2.3587	4015.6	8.3237	
528.76	1.8912	4063.0	8.4625	760	475.78	2.1018	4062.5	8.4135	760	432.43	2.3125	4062.0	8.3691	
539.09	1.8550	4109.6	8.5072	780	485.08	2.0615	4109.2	8.4582	780	440.90	2.2681	4108.7	8.4139	
549.41	1.8201	4156.6	8.5514	800	494.38	2.0227	4156.1	8.5024	800	449.36	2.2254	4155.6	8.4581	
559.74	1.7866	4203.7	8.5949	820	503.68	1.9854	4203.3	8.5460	820	457.81	2.1843	4202.9	8.5017	
570.05	1.7542	4251.2	8.6379	840	512.97	1.9494	4250.8	8.5890	840	466.27	2.1447	4250.3	8.5447	
580.37	1.7230	4298.9	8.6804	860	522.26	1.9147	4298.5	8.6315	860	474.72	2.1065	4298.1	8.5872	
590.68	1.6930	4346.9	8.7224	880	531.55	1.8813	4346.5	8.6735	880	483.17	2.0697	4346.1	8.6292	
600.99	1.6639	4395.1	8.7639	900	540.83	1.8490	4394.8	8.7150	900	491.61	2.0341	4394.4	8.6707	
611.30	1.6359	4443.6	8.8049	920	550.11	1.8178	4443.3	8.7560	920	500.05	1.9998	4442.9	8.7117	
621.60	1.6088	4492.4	8.8454	940	559.39	1.7877	4492.1	8.7965	940	508.49	1.9666	4491.7	8.7523	
631.90	1.5825	4541.4	8.8855	960	568.67	1.7585	4541.1	8.8366	960	516.93	1.9345	4540.8	8.7924	
642.20	1.5571	4590.7	8.9251	980	577.94	1.7303	4590.4	8.8763	980	525.36	1.9035	4590.1	8.8321	
652.50	1.5326	4640.2	8.9643	1000	587.21	1.7030	4639.9	8.9155	1000	533.79	1.8734	4639.7	8.8713	
703.95	1.4205	4891.7	9.1544	1100	633.54	1.5784	4891.4	9.1056	1100	575.93	1.7363	4891.2	9.0615	
755.37	1.3238	5149.0	9.3353	1200	679.83	1.4710	5148.9	9.2866	1200	618.02	1.6181	5148.7	9.2425	
806.77	1.2395	5412.0	9.5080	1300	726.10	1.3772	5411.9	9.4593	1300	660.09	1.5149	5411.7	9.4152	
858.14	1.1653	5680.1	9.6732	1400	772.34	1.2948	5680.0	9.6245	1400	702.14	1.4242	5679.9	9.5805	
909.50	1.0995	5953.1	9.8316	1500	818.57	1.2216	5953.0	9.7830	1500	744.17	1.3438	5952.9	9.7389	
960.84	1.0408	6230.4	9.9838	1600	864.78	1.1564	6230.3	9.9351	1600	786.19	1.2719	6230.2	9.8911	
1063.5	0.940 29	6796.8	10.271	1800	957.19	1.0447	6796.7	10.222	1800	870.21	1.1492	6796.7	10.178	
1166.1	0.857 54	7376.8	10.538	2000	1049.6	0.952 78	7376.8	10.489	2000	954.19	1.0480	7376.7	10.445	

Table 3. Compressed Water and Superheated Steam (continued)

1.2 MPa ($t_s = 187.957\text{ }^\circ\text{C}$)					1.3 MPa ($t_s = 191.605\text{ }^\circ\text{C}$)					1.4 MPa ($t_s = 195.039\text{ }^\circ\text{C}$)				
v	ρ	h	s	$t_s, \text{ }^\circ\text{C}$	v	ρ	h	s	$t_s, \text{ }^\circ\text{C}$	v	ρ	h	s	$t_s, \text{ }^\circ\text{C}$
1.138 50	878.35	798.33	2.2159	$t_s(\text{L})$	1.143 80	874.28	814.60	2.2508	$t_s(\text{L})$	1.148 92	870.39	829.97	2.2835	
163.26	6.1251	2783.7	6.5217	$t_s(\text{V})$	151.19	6.6144	2786.5	6.4936	$t_s(\text{V})$	140.78	7.1034	2788.8	6.4675	
0.999 60	1000.40	1.18	-0.000 08	0	0.999 55	1000.45	1.28	-0.000 07	0	0.999 50	1000.50	1.38	-0.000 06	
0.999 49	1000.51	22.21	0.076 23	5	0.999 45	1000.56	22.31	0.076 23	5	0.999 40	1000.60	22.41	0.076 23	
0.999 77	1000.23	43.19	0.150 98	10	0.999 73	1000.27	43.29	0.150 97	10	0.999 68	1000.32	43.38	0.150 96	
1.000 39	999.62	64.13	0.224 28	15	1.000 34	999.66	64.22	0.224 27	15	1.000 29	999.71	64.32	0.224 25	
1.001 29	998.71	85.04	0.296 23	20	1.001 25	998.76	85.13	0.296 21	20	1.001 20	998.80	85.23	0.296 19	
1.002 46	997.54	105.94	0.366 92	25	1.002 42	997.59	106.03	0.366 89	25	1.002 37	997.63	106.12	0.366 86	
1.003 88	996.14	126.82	0.436 39	30	1.003 83	996.18	126.92	0.436 36	30	1.003 79	996.23	127.01	0.436 33	
1.005 51	994.52	147.71	0.504 71	35	1.005 47	994.56	147.80	0.504 68	35	1.005 42	994.61	147.89	0.504 64	
1.007 36	992.70	168.59	0.571 94	40	1.007 31	992.74	168.68	0.571 90	40	1.007 27	992.79	168.77	0.571 86	
1.009 39	990.69	189.48	0.638 11	45	1.009 35	990.74	189.56	0.638 06	45	1.009 31	990.78	189.65	0.638 02	
1.011 62	988.51	210.37	0.703 26	50	1.011 57	988.56	210.45	0.703 21	50	1.011 53	988.60	210.54	0.703 17	
1.014 02	986.17	231.26	0.767 43	55	1.013 98	986.22	231.35	0.767 38	55	1.013 93	986.26	231.43	0.767 33	
1.016 60	983.68	252.17	0.830 67	60	1.016 55	983.72	252.26	0.830 61	60	1.016 50	983.76	252.34	0.830 56	
1.019 33	981.03	273.09	0.892 99	65	1.019 29	981.08	273.17	0.892 93	65	1.019 24	981.12	273.26	0.892 88	
1.022 23	978.25	294.02	0.954 44	70	1.022 19	978.29	294.10	0.954 38	70	1.022 14	978.34	294.18	0.954 32	
1.025 29	975.33	314.97	1.0150	75	1.025 25	975.38	315.05	1.0150	75	1.025 20	975.42	315.13	1.0149	
1.028 51	972.28	335.93	1.0748	80	1.028 46	972.33	336.01	1.0748	80	1.028 41	972.37	336.09	1.0747	
1.031 88	969.11	356.91	1.1338	85	1.031 83	969.15	356.99	1.1337	85	1.031 78	969.20	357.07	1.1337	
1.035 40	965.81	377.91	1.1921	90	1.035 35	965.86	377.99	1.1920	90	1.035 30	965.90	378.07	1.1919	
1.039 07	962.40	398.94	1.2496	95	1.039 02	962.44	399.02	1.2495	95	1.038 97	962.49	399.09	1.2494	
1.042 90	958.86	419.99	1.3064	100	1.042 85	958.91	420.07	1.3063	100	1.042 80	958.96	420.14	1.3062	
1.046 88	955.22	441.07	1.3625	105	1.046 83	955.27	441.15	1.3624	105	1.046 78	955.31	441.22	1.3623	
1.051 02	951.46	462.18	1.4179	110	1.050 96	951.51	462.26	1.4178	110	1.050 91	951.56	462.33	1.4178	
1.055 31	947.59	483.33	1.4728	115	1.055 26	947.64	483.40	1.4727	115	1.055 20	947.69	483.47	1.4726	
1.059 76	943.61	504.52	1.5270	120	1.059 71	943.66	504.59	1.5269	120	1.059 65	943.71	504.66	1.5268	
1.064 38	939.52	525.74	1.5806	125	1.064 32	939.57	525.81	1.5806	125	1.064 26	939.62	525.88	1.5805	
1.069 16	935.32	547.01	1.6337	130	1.069 10	935.37	547.08	1.6336	130	1.069 04	935.42	547.15	1.6335	
1.074 10	931.01	568.33	1.6863	135	1.074 04	931.06	568.40	1.6862	135	1.073 98	931.11	568.47	1.6861	
1.079 23	926.59	589.71	1.7383	140	1.079 16	926.64	589.77	1.7382	140	1.079 10	926.70	589.83	1.7381	
1.084 53	922.06	611.13	1.7899	145	1.084 46	922.12	611.20	1.7898	145	1.084 40	922.17	611.26	1.7897	
1.090 01	917.42	632.63	1.8410	150	1.089 95	917.48	632.69	1.8409	150	1.089 88	917.53	632.75	1.8408	
1.095 69	912.67	654.18	1.8916	155	1.095 62	912.72	654.24	1.8915	155	1.095 55	912.78	654.30	1.8914	
1.101 57	907.80	675.81	1.9419	160	1.101 50	907.86	675.87	1.9417	160	1.101 42	907.92	675.93	1.9416	
1.107 65	902.81	697.52	1.9917	165	1.107 57	902.87	697.57	1.9916	165	1.107 50	902.93	697.63	1.9914	
1.113 95	897.71	719.31	2.0411	170	1.113 87	897.77	719.36	2.0410	170	1.113 79	897.83	719.42	2.0409	
1.120 47	892.48	741.18	2.0902	175	1.120 39	892.55	741.23	2.0901	175	1.120 31	892.61	741.29	2.0900	
1.127 23	887.13	763.15	2.1390	180	1.127 14	887.20	763.20	2.1388	180	1.127 06	887.26	763.25	2.1387	
1.134 24	881.65	785.23	2.1874	185	1.134 15	881.72	785.27	2.1873	185	1.134 06	881.79	785.32	2.1871	
164.32	6.0857	2789.4	6.5340	190	1.141 41	876.11	807.45	2.2354	190	1.141 32	876.18	807.50	2.2353	
166.86	5.9931	2803.0	6.5631	195	152.83	6.5434	2796.0	6.5141	195	1.148 86	870.43	829.79	2.2831	
169.34	5.9053	2816.1	6.5909	200	155.19	6.4439	2809.6	6.5431	200	143.03	6.9918	2803.0	6.4975	
174.17	5.7415	2841.3	6.6437	210	159.76	6.2595	2835.7	6.5975	210	147.38	6.7850	2829.9	6.5538	
178.87	5.5908	2865.7	6.6937	220	164.18	6.0907	2860.7	6.6487	220	151.58	6.5970	2855.5	6.6062	
183.46	5.4508	2889.5	6.7414	230	168.50	5.9347	2884.9	6.6973	230	155.66	6.4241	2880.2	6.6559	
187.97	5.3200	2912.7	6.7872	240	172.73	5.7895	2908.5	6.7439	240	159.65	6.2637	2904.3	6.7033	
192.41	5.1973	2935.6	6.8313	250	176.88	5.6536	2931.8	6.7887	250	163.56	6.1139	2927.9	6.7488	
196.79	5.0817	2958.2	6.8740	260	180.97	5.5258	2954.6	6.8320	260	167.41	5.9735	2951.0	6.7926	
201.11	4.9723	2980.5	6.9155	270	185.01	5.4051	2977.2	6.8739	270	171.20	5.8411	2973.8	6.8350	
205.40	4.8686	3002.6	6.9558	280	189.00	5.2909	2999.5	6.9146	280	174.95	5.7160	2996.4	6.8762	
209.64	4.7700	3024.5	6.9951	290	192.96	5.1825	3021.6	6.9543	290	178.65	5.5975	3018.8	6.9162	

Table 3. Compressed Water and Superheated Steam (continued)

1.2 MPa ($t_s = 187.957\text{ }^\circ\text{C}$)					1.3 MPa ($t_s = 191.605\text{ }^\circ\text{C}$)					1.4 MPa ($t_s = 195.039\text{ }^\circ\text{C}$)				
v	ρ	h	s	$t, \text{ }^\circ\text{C}$	v	ρ	h	s	$t, \text{ }^\circ\text{C}$	v	ρ	h	s	$t, \text{ }^\circ\text{C}$
213.86	4.6760	3046.3	7.0335	300	196.88	5.0792	3043.6	6.9930	300	182.32	5.4847	3040.9	6.9552	
218.04	4.5863	3068.0	7.0710	310	200.77	4.9808	3065.5	7.0308	310	185.97	5.3773	3062.9	6.9933	
222.20	4.5004	3089.6	7.1078	320	204.64	4.8867	3087.3	7.0678	320	189.58	5.2748	3084.9	7.0306	
226.34	4.4182	3111.2	7.1438	330	208.48	4.7966	3108.9	7.1041	330	193.17	5.1767	3106.7	7.0671	
230.45	4.3393	3132.7	7.1792	340	212.30	4.7103	3130.6	7.1396	340	196.74	5.0828	3128.4	7.1028	
234.55	4.2635	3154.2	7.2139	350	216.10	4.6274	3152.1	7.1745	350	200.29	4.9927	3150.1	7.1379	
238.63	4.1906	3175.6	7.2480	360	219.89	4.5477	3173.7	7.2088	360	203.83	4.9062	3171.7	7.1723	
242.70	4.1204	3197.0	7.2816	370	223.66	4.4710	3195.2	7.2425	370	207.34	4.8229	3193.3	7.2062	
246.75	4.0527	3218.4	7.3147	380	227.42	4.3972	3216.7	7.2757	380	210.85	4.7427	3214.9	7.2395	
250.79	3.9874	3239.9	7.3472	390	231.16	4.3260	3238.2	7.3084	390	214.34	4.6655	3236.5	7.2723	
254.82	3.9244	3261.3	7.3793	400	234.90	4.2572	3259.7	7.3406	400	217.82	4.5909	3258.1	7.3046	
258.83	3.8635	3282.7	7.4109	410	238.62	4.1908	3281.2	7.3723	410	221.29	4.5190	3279.7	7.3364	
262.84	3.8046	3304.2	7.4421	420	242.33	4.1266	3302.7	7.4036	420	224.75	4.4494	3301.2	7.3678	
266.84	3.7475	3325.7	7.4728	430	246.04	4.0645	3324.3	7.4344	430	228.20	4.3821	3322.8	7.3987	
270.83	3.6923	3347.2	7.5032	440	249.73	4.0043	3345.8	7.4649	440	231.64	4.3170	3344.5	7.4292	
274.82	3.6388	3368.7	7.5332	450	253.42	3.9460	3367.4	7.4949	450	235.08	4.2539	3366.1	7.4594	
278.79	3.5869	3390.3	7.5628	460	257.10	3.8895	3389.0	7.5246	460	238.51	4.1928	3387.8	7.4891	
282.76	3.5365	3411.9	7.5921	470	260.77	3.8347	3410.7	7.5539	470	241.93	4.1335	3409.5	7.5185	
286.73	3.4876	3433.5	7.6210	480	264.44	3.7815	3432.4	7.5829	480	245.34	4.0759	3431.2	7.5476	
290.69	3.4401	3455.2	7.6496	490	268.11	3.7299	3454.1	7.6116	490	248.75	4.0201	3453.0	7.5763	
294.64	3.3940	3476.9	7.6779	500	271.76	3.6797	3475.9	7.6399	500	252.16	3.9658	3474.8	7.6047	
302.53	3.3055	3520.5	7.7336	520	279.06	3.5834	3519.5	7.6957	520	258.95	3.8617	3518.5	7.6605	
310.41	3.2216	3564.3	7.7881	540	286.35	3.4923	3563.4	7.7503	540	265.73	3.7633	3562.4	7.7152	
318.26	3.1420	3608.3	7.8416	560	293.62	3.4058	3607.5	7.8038	560	272.49	3.6699	3606.6	7.7688	
326.11	3.0664	3652.6	7.8940	580	300.87	3.3237	3651.7	7.8563	580	279.23	3.5812	3650.9	7.8214	
333.94	2.9945	3697.0	7.9455	600	308.11	3.2456	3696.2	7.9079	600	285.97	3.4969	3695.4	7.8730	
341.77	2.9260	3741.7	7.9961	620	315.34	3.1711	3741.0	7.9586	620	292.69	3.4165	3740.2	7.9237	
349.58	2.8606	3786.6	8.0459	640	322.57	3.1001	3785.9	8.0083	640	299.41	3.3399	3785.2	7.9736	
357.39	2.7981	3831.8	8.0948	660	329.78	3.0323	3831.1	8.0573	660	306.12	3.2667	3830.5	8.0226	
365.18	2.7384	3877.2	8.1430	680	336.98	2.9675	3876.6	8.1055	680	312.81	3.1968	3876.0	8.0708	
372.97	2.6812	3922.9	8.1904	700	344.18	2.9054	3922.3	8.1530	700	319.51	3.1298	3921.7	8.1183	
380.76	2.6264	3968.8	8.2371	720	351.37	2.8460	3968.3	8.1997	720	326.19	3.0657	3967.7	8.1651	
388.53	2.5738	4015.0	8.2832	740	358.56	2.7889	4014.5	8.2458	740	332.87	3.0042	4014.0	8.2112	
396.31	2.5233	4061.5	8.3286	760	365.74	2.7342	4061.0	8.2912	760	339.54	2.9451	4060.5	8.2567	
404.07	2.4748	4108.2	8.3734	780	372.92	2.6816	4107.7	8.3361	780	346.21	2.8884	4107.2	8.3015	
411.84	2.4282	4155.2	8.4176	800	380.09	2.6310	4154.7	8.3803	800	352.87	2.8339	4154.3	8.3457	
419.59	2.3833	4202.4	8.4612	820	387.25	2.5823	4202.0	8.4239	820	359.53	2.7814	4201.6	8.3894	
427.35	2.3400	4249.9	8.5042	840	394.42	2.5354	4249.5	8.4670	840	366.19	2.7308	4249.1	8.4325	
435.10	2.2983	4297.7	8.5468	860	401.58	2.4902	4297.3	8.5095	860	372.84	2.6821	4296.9	8.4751	
442.85	2.2581	4345.7	8.5888	880	408.73	2.4466	4345.4	8.5516	880	379.49	2.6351	4345.0	8.5171	
450.59	2.2193	4394.0	8.6303	900	415.89	2.4045	4393.7	8.5931	900	386.14	2.5898	4393.3	8.5587	
458.34	2.1818	4442.6	8.6713	920	423.04	2.3639	4442.2	8.6342	920	392.78	2.5459	4441.9	8.5997	
466.08	2.1456	4491.4	8.7119	940	430.18	2.3246	4491.1	8.6747	940	399.42	2.5036	4490.7	8.6403	
473.81	2.1105	4540.5	8.7520	960	437.33	2.2866	4540.1	8.7149	960	406.06	2.4627	4539.8	8.6805	
481.55	2.0766	4589.8	8.7917	980	444.47	2.2499	4589.5	8.7546	980	412.70	2.4231	4589.2	8.7202	
489.28	2.0438	4639.4	8.8310	1000	451.61	2.2143	4639.1	8.7938	1000	419.33	2.3848	4638.8	8.7594	
527.92	1.8942	4891.0	9.0212	1100	487.29	2.0522	4890.7	8.9841	1100	452.47	2.2101	4890.5	8.9497	
566.52	1.7652	5148.5	9.2022	1200	522.93	1.9123	5148.3	9.1651	1200	485.58	2.0594	5148.1	9.1308	
605.09	1.6526	5411.5	9.3749	1300	558.55	1.7904	5411.4	9.3379	1300	518.66	1.9281	5411.2	9.3036	
643.64	1.5537	5679.8	9.5402	1400	594.14	1.6831	5679.6	9.5032	1400	551.72	1.8125	5679.5	9.4689	
682.18	1.4659	5952.8	9.6987	1500	629.72	1.5880	5952.7	9.6617	1500	584.76	1.7101	5952.6	9.6274	
720.70	1.3875	6230.1	9.8508	1600	665.29	1.5031	6230.0	9.8138	1600	617.79	1.6187	6230.0	9.7796	
797.72	1.2536	6796.6	10.138	1800	736.39	1.3580	6796.6	10.101	1800	683.82	1.4624	6796.5	10.067	
874.71	1.1432	7376.7	10.405	2000	807.46	1.2384	7376.7	10.368	2000	749.82	1.3336	7376.7	10.334	

Table 3. Compressed Water and Superheated Steam (continued)

1.5 MPa ($t_s = 198.287\text{ }^\circ\text{C}$)				$t_s, \text{ }^\circ\text{C}$	1.6 MPa ($t_s = 201.370\text{ }^\circ\text{C}$)				$t_s, \text{ }^\circ\text{C}$	1.8 MPa ($t_s = 207.112\text{ }^\circ\text{C}$)			
v	ρ	h	s		v	ρ	h	s		v	ρ	h	s
1.153 87	866.65	844.56	2.3143	$t_s(\text{L})$	1.158 68	863.05	858.46	2.3435	$t_s(\text{L})$	1.167 92	856.22	884.47	2.3975
131.71	7.5924	2791.0	6.4430	$t_s(\text{V})$	123.74	8.0815	2792.8	6.4199	$t_s(\text{V})$	110.37	9.0606	2795.9	6.3775
0.999 45	1000.55	1.48	-0.000 06	0	0.999 40	1000.60	1.59	-0.000 05	0	0.999 29	1000.71	1.79	-0.000 04
0.999 35	1000.65	22.51	0.076 23	5	0.999 30	1000.70	22.61	0.076 22	5	0.999 20	1000.80	22.81	0.076 22
0.999 63	1000.37	43.48	0.150 95	10	0.999 58	1000.42	43.58	0.150 94	10	0.999 49	1000.51	43.77	0.150 92
1.000 25	999.75	64.41	0.224 24	15	1.000 20	999.80	64.51	0.224 22	15	1.000 11	999.89	64.70	0.224 19
1.001 15	998.85	85.32	0.296 17	20	1.001 11	998.89	85.42	0.296 15	20	1.001 02	998.98	85.60	0.296 11
1.002 33	997.68	106.21	0.366 84	25	1.002 28	997.72	106.31	0.366 81	25	1.002 19	997.81	106.49	0.366 76
1.003 74	996.27	127.10	0.436 30	30	1.003 70	996.32	127.19	0.436 27	30	1.003 61	996.41	127.37	0.436 21
1.005 38	994.65	147.98	0.504 61	35	1.005 33	994.69	148.07	0.504 58	35	1.005 25	994.78	148.25	0.504 51
1.007 22	992.83	168.86	0.571 82	40	1.007 18	992.87	168.94	0.571 78	40	1.007 09	992.96	169.12	0.571 71
1.009 26	990.82	189.74	0.637 98	45	1.009 22	990.87	189.82	0.637 94	45	1.009 13	990.95	190.00	0.637 85
1.011 49	988.64	210.62	0.703 12	50	1.011 44	988.69	210.71	0.703 07	50	1.011 35	988.78	210.88	0.702 98
1.013 89	986.30	231.52	0.767 28	55	1.013 84	986.35	231.60	0.767 23	55	1.013 75	986.43	231.77	0.767 13
1.016 46	983.81	252.42	0.830 51	60	1.016 41	983.85	252.51	0.830 45	60	1.016 32	983.94	252.67	0.830 35
1.019 20	981.16	273.34	0.892 82	65	1.019 15	981.21	273.42	0.892 76	65	1.019 06	981.30	273.59	0.892 65
1.022 10	978.38	294.27	0.954 26	70	1.022 05	978.43	294.35	0.954 20	70	1.021 96	978.51	294.51	0.954 08
1.025 15	975.46	315.21	1.0148	75	1.025 11	975.51	315.29	1.0148	75	1.025 01	975.60	315.45	1.0147
1.028 37	972.42	336.17	1.0746	80	1.028 32	972.46	336.25	1.0746	80	1.028 22	972.55	336.41	1.0744
1.031 73	969.24	357.15	1.1336	85	1.031 68	969.29	357.23	1.1335	85	1.031 59	969.38	357.38	1.1334
1.035 25	965.95	378.15	1.1918	90	1.035 20	965.99	378.22	1.1918	90	1.035 10	966.09	378.38	1.1916
1.038 92	962.53	399.17	1.2493	95	1.038 87	962.58	399.24	1.2493	95	1.038 77	962.67	399.40	1.2491
1.042 75	959.00	420.22	1.3061	100	1.042 70	959.05	420.29	1.3060	100	1.042 60	959.15	420.44	1.3059
1.046 73	955.36	441.29	1.3622	105	1.046 67	955.41	441.37	1.3621	105	1.046 57	955.50	441.52	1.3620
1.050 86	951.60	462.40	1.4177	110	1.050 80	951.65	462.48	1.4176	110	1.050 70	951.75	462.62	1.4174
1.055 15	947.74	483.55	1.4725	115	1.055 09	947.78	483.62	1.4724	115	1.054 98	947.88	483.76	1.4722
1.059 59	943.76	504.73	1.5267	120	1.059 54	943.81	504.80	1.5266	120	1.059 43	943.91	504.94	1.5265
1.064 20	939.67	525.95	1.5804	125	1.064 15	939.72	526.02	1.5803	125	1.064 03	939.82	526.16	1.5801
1.068 98	935.47	547.22	1.6334	130	1.068 92	935.52	547.28	1.6334	130	1.068 80	935.63	547.42	1.6332
1.073 92	931.17	568.53	1.6860	135	1.073 86	931.22	568.60	1.6859	135	1.073 74	931.33	568.73	1.6857
1.079 04	926.75	589.90	1.7380	140	1.078 98	926.81	589.96	1.7379	140	1.078 85	926.91	590.09	1.7377
1.084 33	922.23	611.33	1.7896	145	1.084 27	922.28	611.39	1.7895	145	1.084 14	922.39	611.52	1.7893
1.089 81	917.59	632.81	1.8407	150	1.089 75	917.65	632.87	1.8405	150	1.089 61	917.76	633.00	1.8403
1.095 48	912.84	654.36	1.8913	155	1.095 41	912.90	654.42	1.8912	155	1.095 27	913.01	654.54	1.8909
1.101 35	907.98	675.99	1.9415	160	1.101 28	908.04	676.05	1.9414	160	1.101 13	908.15	676.16	1.9411
1.107 42	903.00	697.69	1.9913	165	1.107 35	903.06	697.74	1.9912	165	1.107 20	903.18	697.86	1.9909
1.113 71	897.90	719.47	2.0407	170	1.113 64	897.96	719.52	2.0406	170	1.113 48	898.09	719.63	2.0404
1.120 23	892.68	741.34	2.0898	175	1.120 14	892.74	741.39	2.0897	175	1.119 98	892.87	741.50	2.0894
1.126 97	887.33	763.30	2.1386	180	1.126 89	887.40	763.35	2.1384	180	1.126 72	887.53	763.46	2.1382
1.133 97	881.86	785.37	2.1870	185	1.133 88	881.93	785.42	2.1868	185	1.133 70	882.06	785.51	2.1866
1.141 23	876.25	807.54	2.2351	190	1.141 13	876.32	807.59	2.2350	190	1.140 95	876.46	807.68	2.2347
1.148 76	870.50	829.83	2.2830	195	1.148 66	870.58	829.88	2.2828	195	1.148 47	870.73	829.96	2.2825
132.45	7.5498	2796.0	6.4536	200	1.156 48	864.69	852.29	2.3305	200	1.156 28	864.85	852.37	2.3301
136.64	7.3185	2823.9	6.5120	210	127.22	7.8605	2817.7	6.4720	210	111.45	8.9726	2804.7	6.3958
140.65	7.1100	2850.2	6.5659	220	131.06	7.6299	2844.8	6.5274	220	115.05	8.6921	2833.5	6.4548
144.53	6.9191	2875.5	6.6166	230	134.77	7.4199	2870.6	6.5792	230	118.48	8.4402	2860.6	6.5092
148.31	6.7427	2900.0	6.6649	240	138.38	7.2267	2895.6	6.6284	240	121.80	8.2104	2886.6	6.5602
152.01	6.5785	2923.9	6.7111	250	141.90	7.0473	2919.9	6.6753	250	125.02	7.9986	2911.7	6.6087
155.65	6.4248	2947.4	6.7555	260	145.35	6.8799	2943.7	6.7204	260	128.17	7.8019	2936.2	6.6551
159.23	6.2804	2970.5	6.7984	270	148.75	6.7229	2967.1	6.7638	270	131.26	7.6183	2960.1	6.6996
162.76	6.1441	2993.3	6.8400	280	152.09	6.5750	2990.1	6.8059	280	134.30	7.4460	2983.7	6.7426
166.25	6.0150	3015.8	6.8804	290	155.39	6.4352	3012.9	6.8467	290	137.29	7.2837	3006.9	6.7842

Table 3. Compressed Water and Superheated Steam (continued)

1.5 MPa ($t_s = 198.287\text{ °C}$)					$t, \text{ °C}$	1.6 MPa ($t_s = 201.370\text{ °C}$)					$t, \text{ °C}$	1.8 MPa ($t_s = 207.112\text{ °C}$)				
v	ρ	h	s	v		ρ	h	s	v	ρ		h	s			
169.71	5.8925	3038.2	6.9198	300	158.66	6.3027	3035.4	6.8863	300	140.25	7.1302	3029.9	6.8246			
173.13	5.7760	3060.4	6.9582	310	161.90	6.1767	3057.8	6.9250	310	143.17	6.9847	3052.6	6.8639			
176.53	5.6648	3082.4	6.9957	320	165.11	6.0567	3080.0	6.9628	320	146.06	6.8464	3075.1	6.9022			
179.90	5.5586	3104.4	7.0324	330	168.29	5.9421	3102.1	6.9997	330	148.93	6.7146	3097.5	6.9396			
183.25	5.4569	3126.2	7.0683	340	171.45	5.8326	3124.1	7.0359	340	151.77	6.5887	3119.7	6.9761			
186.59	5.3594	3148.0	7.1036	350	174.59	5.7276	3146.0	7.0713	350	154.60	6.4683	3141.8	7.0120			
189.90	5.2659	3169.8	7.1382	360	177.72	5.6269	3167.8	7.1061	360	157.41	6.3530	3163.9	7.0471			
193.20	5.1759	3191.5	7.1722	370	180.83	5.5302	3189.6	7.1403	370	160.20	6.2423	3185.9	7.0815			
196.49	5.0894	3213.2	7.2057	380	183.92	5.4371	3211.4	7.1738	380	162.97	6.1360	3207.8	7.1154			
199.76	5.0060	3234.8	7.2386	390	187.00	5.3476	3233.1	7.2069	390	165.73	6.0337	3229.7	7.1487			
203.02	4.9256	3256.5	7.2710	400	190.07	5.2612	3254.9	7.2394	400	168.49	5.9352	3251.6	7.1814			
206.27	4.8480	3278.1	7.3029	410	193.13	5.1779	3276.6	7.2714	410	171.22	5.8403	3273.5	7.2136			
209.51	4.7730	3299.8	7.3343	420	196.18	5.0974	3298.3	7.3030	420	173.95	5.7486	3295.3	7.2454			
212.74	4.7005	3321.4	7.3654	430	199.22	5.0196	3320.0	7.3341	430	176.67	5.6601	3317.2	7.2767			
215.97	4.6303	3343.1	7.3960	440	202.25	4.9444	3341.7	7.3648	440	179.39	5.5746	3339.0	7.3075			
219.18	4.5624	3364.8	7.4262	450	205.27	4.8716	3363.5	7.3950	450	182.09	5.4918	3360.9	7.3380			
222.39	4.4966	3386.5	7.4560	460	208.29	4.8010	3385.3	7.4249	460	184.79	5.4116	3382.7	7.3680			
225.59	4.4328	3408.3	7.4855	470	211.30	4.7326	3407.0	7.4545	470	187.48	5.3340	3404.6	7.3976			
228.79	4.3709	3430.0	7.5146	480	214.30	4.6663	3428.9	7.4836	480	190.16	5.2587	3426.5	7.4269			
231.98	4.3107	3451.8	7.5433	490	217.30	4.6019	3450.7	7.5124	490	192.84	5.1857	3448.5	7.4559			
235.16	4.2524	3473.7	7.5718	500	220.29	4.5394	3472.6	7.5409	500	195.51	5.1148	3470.4	7.4845			
241.52	4.1405	3517.5	7.6277	520	226.26	4.4196	3516.5	7.5970	520	200.84	4.9791	3514.5	7.5407			
247.85	4.0346	3561.5	7.6825	540	232.22	4.3063	3560.6	7.6518	540	206.15	4.8508	3558.7	7.5957			
254.18	3.9343	3605.7	7.7362	560	238.15	4.1990	3604.8	7.7056	560	211.45	4.7293	3603.0	7.6496			
260.48	3.8390	3650.1	7.7888	580	244.08	4.0971	3649.2	7.7583	580	216.73	4.6140	3647.6	7.7025			
266.78	3.7484	3694.7	7.8405	600	249.99	4.0002	3693.9	7.8100	600	222.00	4.5044	3692.3	7.7543			
273.07	3.6621	3739.5	7.8912	620	255.89	3.9079	3738.7	7.8608	620	227.26	4.4002	3737.3	7.8052			
279.34	3.5799	3784.5	7.9411	640	261.78	3.8200	3783.8	7.9108	640	232.51	4.3008	3782.4	7.8552			
285.61	3.5013	3829.8	7.9902	660	267.66	3.7360	3829.2	7.9599	660	237.75	4.2060	3827.8	7.9044			
291.87	3.4262	3875.4	8.0385	680	273.54	3.6558	3874.7	8.0082	680	242.99	4.1154	3873.5	7.9528			
298.12	3.3544	3921.1	8.0860	700	279.40	3.5790	3920.5	8.0557	700	248.21	4.0288	3919.4	8.0004			
304.36	3.2856	3967.2	8.1328	720	285.26	3.5055	3966.6	8.1026	720	253.43	3.9458	3965.5	8.0473			
310.60	3.2196	4013.4	8.1789	740	291.12	3.4350	4012.9	8.1487	740	258.65	3.8663	4011.8	8.0936			
316.84	3.1562	4060.0	8.2244	760	296.97	3.3674	4059.5	8.1943	760	263.86	3.7899	4058.4	8.1391			
323.06	3.0954	4106.8	8.2693	780	302.81	3.3024	4106.3	8.2391	780	269.06	3.7167	4105.3	8.1840			
329.29	3.0368	4153.8	8.3135	800	308.65	3.2399	4153.3	8.2834	800	274.26	3.6462	4152.4	8.2284			
335.51	2.9805	4201.1	8.3572	820	314.49	3.1798	4200.7	8.3271	820	279.45	3.5784	4199.8	8.2721			
341.73	2.9263	4248.7	8.4003	840	320.32	3.1219	4248.3	8.3702	840	284.64	3.5132	4247.4	8.3153			
347.94	2.8741	4296.5	8.4429	860	326.15	3.0661	4296.1	8.4128	860	289.83	3.4503	4295.3	8.3579			
354.15	2.8237	4344.6	8.4850	880	331.97	3.0123	4344.2	8.4549	880	295.02	3.3897	4343.5	8.4000			
360.36	2.7750	4392.9	8.5266	900	337.80	2.9604	4392.6	8.4965	900	300.20	3.3312	4391.9	8.4416			
366.56	2.7281	4441.5	8.5676	920	343.61	2.9102	4441.2	8.5376	920	305.37	3.2747	4440.5	8.4828			
372.76	2.6827	4490.4	8.6082	940	349.43	2.8618	4490.1	8.5782	940	310.55	3.2201	4489.4	8.5234			
378.96	2.6388	4539.5	8.6484	960	355.25	2.8150	4539.2	8.6184	960	315.72	3.1673	4538.6	8.5636			
385.16	2.5964	4588.9	8.6881	980	361.06	2.7696	4588.6	8.6581	980	320.89	3.1163	4588.0	8.6033			
391.35	2.5553	4638.5	8.7274	1000	366.87	2.7258	4638.2	8.6974	1000	326.06	3.0669	4637.6	8.6426			
422.29	2.3680	4890.3	8.9177	1100	395.89	2.5260	4890.0	8.8878	1100	351.88	2.8419	4889.5	8.8331			
453.20	2.2065	5147.9	9.0988	1200	424.87	2.3536	5147.7	9.0689	1200	377.66	2.6479	5147.3	9.0143			
484.08	2.0658	5411.1	9.2716	1300	453.83	2.2035	5410.9	9.2417	1300	403.41	2.4789	5410.6	9.1872			
514.94	1.9420	5679.4	9.4370	1400	482.77	2.0714	5679.3	9.4071	1400	429.15	2.3302	5679.0	9.3526			
545.79	1.8322	5952.5	9.5955	1500	511.69	1.9543	5952.4	9.5656	1500	454.86	2.1985	5952.1	9.5111			
576.62	1.7342	6229.9	9.7477	1600	540.60	1.8498	6229.8	9.7178	1600	480.57	2.0809	6229.6	9.6634			
638.26	1.5668	6796.5	10.035	1800	598.39	1.6712	6796.4	10.005	1800	531.95	1.8799	6796.3	9.9507			
699.86	1.4288	7376.6	10.302	2000	656.15	1.5240	7376.6	10.272	2000	583.30	1.7144	7376.6	10.218			

Table 3. Compressed Water and Superheated Steam (continued)

2.0 MPa ($t_s = 212.377$ °C)				t_s , °C	2.2 MPa ($t_s = 217.249$ °C)				t_s , °C	2.5 MPa ($t_s = 223.950$ °C)			
v	ρ	h	s		v	ρ	h	s		v	ρ	h	s
1.176 75	849.80	908.50	2.4468	$t_s(L)$	1.185 23	843.72	930.87	2.4921	$t_s(L)$	1.197 43	835.12	961.91	2.5543
99.585	10.042	2798.3	6.3390	$t_s(V)$	90.698	11.026	2800.1	6.3038	$t_s(V)$	79.949	12.508	2801.9	6.2558
0.999 19	1000.81	1.99	-0.000 03	0	0.999 09	1000.91	2.20	-0.000 01	0	0.998 94	1001.06	2.50	0.000 00
0.999 10	1000.90	23.01	0.076 22	5	0.999 00	1001.00	23.21	0.076 21	5	0.998 86	1001.14	23.50	0.076 21
0.999 39	1000.61	43.97	0.150 91	10	0.999 30	1000.70	44.16	0.150 89	10	0.999 15	1000.85	44.46	0.150 86
1.000 01	999.99	64.89	0.224 16	15	0.999 92	1000.08	65.08	0.224 13	15	0.999 78	1000.22	65.37	0.224 08
1.000 93	999.08	85.79	0.296 07	20	1.000 83	999.17	85.98	0.296 03	20	1.000 70	999.30	86.26	0.295 96
1.002 10	997.90	106.68	0.366 71	25	1.002 01	997.99	106.86	0.366 66	25	1.001 88	998.13	107.14	0.366 58
1.003 52	996.49	127.55	0.436 15	30	1.003 43	996.58	127.74	0.436 08	30	1.003 29	996.72	128.01	0.435 99
1.005 16	994.87	148.43	0.504 44	35	1.005 07	994.96	148.60	0.504 37	35	1.004 93	995.09	148.87	0.504 26
1.007 00	993.05	169.30	0.571 63	40	1.006 91	993.14	169.48	0.571 55	40	1.006 78	993.27	169.74	0.571 43
1.009 04	991.04	190.17	0.637 76	45	1.008 95	991.13	190.35	0.637 68	45	1.008 82	991.26	190.61	0.637 55
1.011 26	988.86	211.06	0.702 89	50	1.011 17	988.95	211.23	0.702 80	50	1.011 04	989.08	211.49	0.702 66
1.013 66	986.52	231.94	0.767 04	55	1.013 57	986.61	232.11	0.766 94	55	1.013 44	986.74	232.37	0.766 79
1.016 23	984.02	252.84	0.830 24	60	1.016 14	984.11	253.01	0.830 13	60	1.016 01	984.24	253.26	0.829 98
1.018 97	981.38	273.75	0.892 54	65	1.018 88	981.47	273.92	0.892 43	65	1.018 74	981.60	274.17	0.892 26
1.021 87	978.60	294.68	0.953 96	70	1.021 77	978.69	294.84	0.953 84	70	1.021 64	978.82	295.08	0.953 66
1.024 92	975.69	315.61	1.0145	75	1.024 83	975.77	315.77	1.0144	75	1.024 69	975.91	316.02	1.0142
1.028 13	972.64	336.57	1.0743	80	1.028 04	972.73	336.73	1.0742	80	1.027 89	972.86	336.96	1.0740
1.031 49	969.47	357.54	1.1333	85	1.031 40	969.56	357.70	1.1331	85	1.031 25	969.69	357.93	1.1329
1.035 01	966.18	378.53	1.1915	90	1.034 91	966.27	378.69	1.1913	90	1.034 76	966.40	378.92	1.1911
1.038 67	962.77	399.55	1.2490	95	1.038 57	962.86	399.70	1.2488	95	1.038 43	963.00	399.93	1.2486
1.042 49	959.24	420.59	1.3057	100	1.042 39	959.33	420.74	1.3056	100	1.042 24	959.47	420.97	1.3053
1.046 47	955.60	441.66	1.3618	105	1.046 36	955.69	441.81	1.3617	105	1.046 21	955.83	442.03	1.3614
1.050 59	951.84	462.77	1.4173	110	1.050 49	951.94	462.91	1.4171	110	1.050 33	952.08	463.13	1.4168
1.054 87	947.98	483.90	1.4721	115	1.054 77	948.08	484.05	1.4719	115	1.054 60	948.22	484.26	1.4716
1.059 31	944.01	505.08	1.5263	120	1.059 20	944.11	505.22	1.5261	120	1.059 04	944.26	505.43	1.5258
1.063 92	939.92	526.29	1.5799	125	1.063 80	940.02	526.43	1.5797	125	1.063 63	940.18	526.64	1.5794
1.068 68	935.73	547.55	1.6330	130	1.068 56	935.84	547.69	1.6328	130	1.068 39	935.99	547.89	1.6325
1.073 62	931.43	568.86	1.6855	135	1.073 49	931.54	569.00	1.6853	135	1.073 31	931.70	569.20	1.6850
1.078 72	927.02	590.22	1.7375	140	1.078 60	927.13	590.35	1.7373	140	1.078 41	927.29	590.55	1.7370
1.084 01	922.50	611.64	1.7890	145	1.083 88	922.61	611.77	1.7888	145	1.083 68	922.78	611.96	1.7885
1.089 48	917.87	633.12	1.8401	150	1.089 34	917.98	633.24	1.8399	150	1.089 14	918.15	633.43	1.8395
1.095 13	913.13	654.67	1.8907	155	1.095 00	913.25	654.79	1.8905	155	1.094 79	913.42	654.97	1.8901
1.100 99	908.27	676.28	1.9409	160	1.100 85	908.39	676.40	1.9407	160	1.100 63	908.57	676.57	1.9403
1.107 05	903.30	697.97	1.9907	165	1.106 90	903.42	698.08	1.9905	165	1.106 68	903.61	698.25	1.9901
1.113 32	898.21	719.74	2.0401	170	1.113 17	898.34	719.85	2.0399	170	1.112 93	898.53	720.02	2.0395
1.119 82	893.00	741.60	2.0892	175	1.119 66	893.13	741.71	2.0889	175	1.119 42	893.32	741.87	2.0885
1.126 55	887.67	763.56	2.1379	180	1.126 38	887.80	763.66	2.1376	180	1.126 13	888.00	763.81	2.1372
1.133 53	882.20	785.61	2.1863	185	1.133 35	882.34	785.71	2.1860	185	1.133 09	882.54	785.85	2.1856
1.140 76	876.61	807.77	2.2344	190	1.140 58	876.75	807.86	2.2341	190	1.140 30	876.96	808.00	2.2337
1.148 27	870.87	830.05	2.2822	195	1.148 08	871.02	830.14	2.2819	195	1.147 79	871.24	830.27	2.2815
1.156 07	865.00	852.45	2.3298	200	1.155 87	865.15	852.53	2.3295	200	1.155 56	865.38	852.65	2.3290
1.172 62	852.79	897.66	2.4244	210	1.172 39	852.96	897.73	2.4240	210	1.172 05	853.20	897.83	2.4235
102.18	9.7870	2821.6	6.3867	220	91.585	10.919	2809.0	6.3218	220	1.189 94	840.38	943.63	2.5173
105.41	9.4871	2850.2	6.4440	230	94.667	10.563	2839.2	6.3826	230	81.702	12.240	2821.8	6.2955
108.50	9.2165	2877.2	6.4973	240	97.592	10.247	2867.5	6.4383	240	84.445	11.842	2852.3	6.3555
111.50	8.9689	2903.2	6.5475	250	100.41	9.9596	2894.5	6.4903	250	87.053	11.487	2880.9	6.4107
114.41	8.7404	2928.5	6.5952	260	103.13	9.6964	2920.5	6.5396	260	89.562	11.165	2908.2	6.4625
117.26	8.5281	2953.1	6.6409	270	105.79	9.4530	2945.8	6.5866	270	91.992	10.871	2934.6	6.5114
120.05	8.3296	2977.1	6.6849	280	108.38	9.2265	2970.5	6.6316	280	94.358	10.598	2960.1	6.5581
122.80	8.1433	3000.8	6.7273	290	110.93	9.0146	2994.6	6.6749	290	96.670	10.344	2985.1	6.6028

Table 3. Compressed Water and Superheated Steam (continued)

2.0 MPa ($t_s = 212.377\text{ }^\circ\text{C}$)					$t, \text{ }^\circ\text{C}$	2.2 MPa ($t_s = 217.249\text{ }^\circ\text{C}$)					$t, \text{ }^\circ\text{C}$	2.5 MPa ($t_s = 223.950\text{ }^\circ\text{C}$)				
v	ρ	h	s	v		ρ	h	s	v	ρ		h	s			
125.51	7.9677	3024.2	6.7684	300	113.44	8.8155	3018.4	6.7167	300	98.937	10.107	3009.6	6.6459			
128.18	7.8016	3047.3	6.8083	310	115.91	8.6277	3041.9	6.7573	310	101.17	9.8848	3033.6	6.6875			
130.82	7.6440	3070.1	6.8472	320	118.34	8.4500	3065.1	6.7967	320	103.36	9.6749	3057.4	6.7278			
133.44	7.4942	3092.8	6.8851	330	120.75	8.2813	3088.0	6.8351	330	105.53	9.4763	3080.8	6.7670			
136.03	7.3514	3115.3	6.9221	340	123.14	8.1208	3110.8	6.8726	340	107.67	9.2879	3104.0	6.8052			
138.60	7.2150	3137.7	6.9583	350	125.51	7.9678	3133.4	6.9092	350	109.79	9.1087	3127.0	6.8424			
141.15	7.0845	3159.9	6.9937	360	127.85	7.8215	3155.9	6.9450	360	111.88	8.9378	3149.8	6.8788			
143.69	6.9594	3182.1	7.0285	370	130.18	7.6816	3178.3	6.9801	370	113.97	8.7746	3172.5	6.9143			
146.21	6.8394	3204.2	7.0627	380	132.49	7.5475	3200.6	7.0145	380	116.03	8.6184	3195.1	6.9492			
148.72	6.7241	3226.3	7.0962	390	134.79	7.4187	3222.9	7.0483	390	118.08	8.4687	3217.7	6.9834			
151.21	6.6131	3248.3	7.1292	400	137.08	7.2949	3245.1	7.0815	400	120.12	8.3251	3240.1	7.0170			
153.70	6.5062	3270.3	7.1616	410	139.36	7.1758	3267.2	7.1142	410	122.15	8.1870	3262.5	7.0500			
156.17	6.4031	3292.3	7.1935	420	141.62	7.0610	3289.3	7.1463	420	124.16	8.0541	3284.8	7.0824			
158.64	6.3037	3314.3	7.2250	430	143.88	6.9503	3311.4	7.1780	430	126.17	7.9260	3307.1	7.1143			
161.09	6.2075	3336.3	7.2560	440	146.13	6.8434	3333.5	7.2091	440	128.16	7.8025	3329.3	7.1458			
163.54	6.1146	3358.2	7.2866	450	148.37	6.7401	3355.6	7.2399	450	130.15	7.6833	3351.6	7.1767			
165.98	6.0247	3380.2	7.3168	460	150.60	6.6402	3377.6	7.2702	460	132.13	7.5681	3373.8	7.2073			
168.42	5.9376	3402.2	7.3466	470	152.82	6.5435	3399.7	7.3001	470	134.11	7.4567	3396.0	7.2374			
170.85	5.8533	3424.2	7.3760	480	155.04	6.4499	3421.8	7.3296	480	136.07	7.3489	3418.3	7.2671			
173.27	5.7714	3446.2	7.4050	490	157.25	6.3592	3443.9	7.3588	490	138.04	7.2445	3440.5	7.2964			
175.68	5.6921	3468.2	7.4337	500	159.46	6.2711	3466.0	7.3876	500	139.99	7.1433	3462.7	7.3254			
180.50	5.5401	3512.4	7.4901	520	163.86	6.1028	3510.4	7.4442	520	143.89	6.9498	3507.3	7.3823			
185.30	5.3966	3556.7	7.5453	540	168.24	5.9439	3554.8	7.4996	540	147.77	6.7674	3552.0	7.4379			
190.09	5.2608	3601.2	7.5994	560	172.61	5.7935	3599.4	7.5538	560	151.63	6.5950	3596.8	7.4923			
194.86	5.1320	3645.9	7.6523	580	176.96	5.6511	3644.2	7.6069	580	155.48	6.4318	3641.7	7.5456			
199.61	5.0097	3690.7	7.7043	600	181.30	5.5158	3689.2	7.6589	600	159.31	6.2769	3686.8	7.5979			
204.36	4.8933	3735.8	7.7553	620	185.62	5.3872	3734.3	7.7100	620	163.14	6.1297	3732.1	7.6491			
209.10	4.7824	3781.0	7.8054	640	189.94	5.2648	3779.6	7.7603	640	166.95	5.9897	3777.5	7.6995			
213.83	4.6767	3826.5	7.8547	660	194.25	5.1480	3825.2	7.8096	660	170.76	5.8562	3823.2	7.7490			
218.55	4.5756	3872.2	7.9032	680	198.55	5.0364	3871.0	7.8581	680	174.56	5.7288	3869.1	7.7976			
223.26	4.4790	3918.2	7.9509	700	202.85	4.9298	3917.0	7.9059	700	178.35	5.6070	3915.2	7.8455			
227.97	4.3866	3964.3	7.9978	720	207.13	4.8278	3963.2	7.9529	720	182.13	5.4905	3961.5	7.8926			
232.67	4.2979	4010.8	8.0441	740	211.42	4.7300	4009.7	7.9993	740	185.91	5.3789	4008.1	7.9390			
237.37	4.2129	4057.4	8.0897	760	215.69	4.6362	4056.4	8.0449	760	189.68	5.2719	4054.9	7.9848			
242.06	4.1313	4104.3	8.1347	780	219.96	4.5462	4103.4	8.0900	780	193.45	5.1693	4101.9	8.0299			
246.74	4.0528	4151.5	8.1790	800	224.23	4.4597	4150.6	8.1344	800	197.21	5.0706	4149.2	8.0743			
251.42	3.9773	4198.9	8.2228	820	228.49	4.3765	4198.1	8.1782	820	200.97	4.9758	4196.7	8.1182			
256.10	3.9047	4246.6	8.2660	840	232.75	4.2964	4245.8	8.2214	840	204.73	4.8845	4244.5	8.1615			
260.78	3.8347	4294.5	8.3087	860	237.01	4.2193	4293.7	8.2641	860	208.48	4.7966	4292.5	8.2043			
265.45	3.7672	4342.7	8.3509	880	241.26	4.1449	4341.9	8.3063	880	212.23	4.7119	4340.8	8.2465			
270.12	3.7021	4391.1	8.3925	900	245.51	4.0732	4390.4	8.3480	900	215.97	4.6302	4389.3	8.2882			
274.78	3.6392	4439.8	8.4336	920	249.75	4.0040	4439.1	8.3892	920	219.72	4.5513	4438.1	8.3294			
279.44	3.5785	4488.7	8.4743	940	254.00	3.9371	4488.1	8.4299	940	223.46	4.4752	4487.1	8.3702			
284.11	3.5198	4537.9	8.5145	960	258.24	3.8724	4537.3	8.4701	960	227.19	4.4015	4536.3	8.4104			
288.76	3.4630	4587.4	8.5543	980	262.47	3.8099	4586.8	8.5099	980	230.93	4.3303	4585.8	8.4503			
293.42	3.4081	4637.0	8.5936	1000	266.71	3.7494	4636.5	8.5492	1000	234.66	4.2615	4635.6	8.4896			
316.67	3.1578	4889.1	8.7842	1100	287.87	3.4738	4888.6	8.7399	1100	253.30	3.9479	4887.9	8.6804			
339.89	2.9421	5147.0	8.9654	1200	308.98	3.2364	5146.6	8.9212	1200	271.90	3.6778	5146.0	8.8618			
363.08	2.7542	5410.3	9.1384	1300	330.08	3.0296	5410.0	9.0942	1300	290.47	3.4426	5409.5	9.0349			
386.25	2.5890	5678.8	9.3038	1400	351.15	2.8478	5678.5	9.2596	1400	309.03	3.2360	5678.1	9.2004			
409.40	2.4426	5951.9	9.4624	1500	372.20	2.6867	5951.7	9.4182	1500	327.57	3.0528	5951.4	9.3590			
432.54	2.3119	6229.5	9.6146	1600	393.24	2.5430	6229.3	9.5705	1600	346.09	2.8894	6229.1	9.5113			
478.79	2.0886	6796.2	9.9020	1800	435.30	2.2973	6796.1	9.8580	1800	383.11	2.6102	6796.0	9.7988			
525.01	1.9047	7376.5	10.169	2000	477.33	2.0950	7376.5	10.125	2000	420.11	2.3804	7376.4	10.066			

Table 3. Compressed Water and Superheated Steam (continued)

3.0 MPa ($t_s = 233.853\text{ }^\circ\text{C}$)					$t, \text{ }^\circ\text{C}$	3.5 MPa ($t_s = 242.557\text{ }^\circ\text{C}$)					$t, \text{ }^\circ\text{C}$	4.0 MPa ($t_s = 250.354\text{ }^\circ\text{C}$)				
v	ρ	h	s	v		ρ	h	s	v	ρ		h	s			
81.179	12.318	2994.3	6.5412	300	68.453	14.609	2978.4	6.4484	300	58.870	16.987	2961.7	6.3639			
83.119	12.031	3019.5	6.5847	310	70.194	14.246	3004.8	6.4940	310	60.468	16.538	2989.4	6.4118			
85.022	11.762	3044.2	6.6266	320	71.894	13.909	3030.5	6.5377	320	62.021	16.123	3016.3	6.4576			
86.893	11.508	3068.4	6.6672	330	73.559	13.595	3055.7	6.5799	330	63.536	15.739	3042.5	6.5014			
88.737	11.269	3092.4	6.7066	340	75.194	13.299	3080.4	6.6206	340	65.019	15.380	3068.1	6.5435			
90.556	11.043	3116.1	6.7449	350	76.804	13.020	3104.8	6.6601	350	66.473	15.044	3093.3	6.5843			
92.355	10.828	3139.5	6.7823	360	78.390	12.757	3128.9	6.6984	360	67.903	14.727	3118.1	6.6238			
94.134	10.623	3162.8	6.8187	370	79.956	12.507	3152.8	6.7358	370	69.311	14.428	3142.6	6.6621			
95.897	10.428	3185.9	6.8544	380	81.505	12.269	3176.4	6.7723	380	70.701	14.144	3166.8	6.6994			
97.645	10.241	3208.8	6.8892	390	83.038	12.043	3199.9	6.8079	390	72.073	13.875	3190.7	6.7358			
99.379	10.062	3231.7	6.9234	400	84.556	11.826	3223.2	6.8427	400	73.431	13.618	3214.5	6.7714			
101.10	9.8911	3254.4	6.9570	410	86.062	11.620	3246.3	6.8769	410	74.776	13.373	3238.1	6.8061			
102.81	9.7265	3277.1	6.9900	420	87.556	11.421	3269.4	6.9104	420	76.108	13.139	3261.5	6.8402			
104.51	9.5682	3299.7	7.0224	430	89.039	11.231	3292.3	6.9433	430	77.429	12.915	3284.8	6.8736			
106.20	9.4159	3322.3	7.0542	440	90.513	11.048	3315.2	6.9756	440	78.741	12.700	3308.0	6.9064			
107.89	9.2690	3344.8	7.0856	450	91.978	10.872	3338.0	7.0074	450	80.043	12.493	3331.2	6.9386			
109.56	9.1273	3367.3	7.1165	460	93.435	10.703	3360.8	7.0387	460	81.337	12.295	3354.2	6.9703			
111.23	8.9904	3389.8	7.1470	470	94.885	10.539	3383.6	7.0695	470	82.623	12.103	3377.2	7.0015			
112.89	8.8581	3412.3	7.1770	480	96.328	10.381	3406.3	7.0998	480	83.902	11.919	3400.2	7.0321			
114.55	8.7301	3434.8	7.2066	490	97.764	10.229	3429.0	7.1298	490	85.175	11.741	3423.1	7.0624			
116.20	8.6062	3457.2	7.2359	500	99.195	10.081	3451.6	7.1593	500	86.442	11.568	3446.0	7.0922			
119.48	8.3697	3502.2	7.2933	520	102.04	9.8001	3497.0	7.2172	520	88.959	11.241	3491.8	7.1506			
122.74	8.1471	3547.2	7.3493	540	104.87	9.5360	3542.3	7.2737	540	91.457	10.934	3537.5	7.2075			
125.99	7.9371	3592.3	7.4041	560	107.68	9.2871	3587.7	7.3288	560	93.938	10.645	3583.2	7.2631			
129.22	7.7385	3637.5	7.4577	580	110.47	9.0521	3633.2	7.3828	580	96.405	10.373	3629.0	7.3174			
132.45	7.5503	3682.8	7.5103	600	113.25	8.8297	3678.9	7.4356	600	98.859	10.115	3674.9	7.3705			
135.66	7.3716	3728.3	7.5618	620	116.02	8.6189	3724.6	7.4874	620	101.30	9.8716	3720.9	7.4226			
138.86	7.2017	3774.0	7.6124	640	118.79	8.4185	3770.5	7.5383	640	103.73	9.6402	3767.0	7.4737			
142.05	7.0399	3819.9	7.6621	660	121.54	8.2279	3816.6	7.5882	660	106.16	9.4202	3813.2	7.5238			
145.23	6.8856	3866.0	7.7109	680	124.28	8.0463	3862.8	7.6372	680	108.57	9.2107	3859.7	7.5730			
148.41	6.7383	3912.2	7.7590	700	127.02	7.8729	3909.3	7.6854	700	110.98	9.0109	3906.3	7.6214			
151.57	6.5974	3958.7	7.8062	720	129.75	7.7073	3955.9	7.7329	720	113.38	8.8202	3953.1	7.6690			
154.74	6.4625	4005.4	7.8528	740	132.47	7.5488	4002.8	7.7796	740	115.77	8.6377	4000.1	7.7159			
157.90	6.3333	4052.4	7.8987	760	135.19	7.3970	4049.8	7.8256	760	118.16	8.4631	4047.3	7.7620			
161.05	6.2093	4099.5	7.9439	780	137.90	7.2515	4097.1	7.8709	780	120.54	8.2958	4094.7	7.8074			
164.20	6.0903	4146.9	7.9885	800	140.61	7.1118	4144.6	7.9156	800	122.92	8.1352	4142.3	7.8523			
167.34	5.9759	4194.6	8.0325	820	143.32	6.9776	4192.4	7.9597	820	125.30	7.9811	4190.2	7.8964			
170.48	5.8658	4242.4	8.0759	840	146.02	6.8486	4240.3	8.0032	840	127.67	7.8328	4238.3	7.9400			
173.62	5.7599	4290.5	8.1187	860	148.71	6.7244	4288.6	8.0461	860	130.03	7.6903	4286.6	7.9830			
176.75	5.6578	4338.9	8.1610	880	151.41	6.6048	4337.0	8.0885	880	132.40	7.5530	4335.1	8.0255			
179.88	5.5593	4387.5	8.2028	900	154.10	6.4895	4385.7	8.1303	900	134.76	7.4206	4383.9	8.0674			
183.01	5.4643	4436.3	8.2441	920	156.78	6.3782	4434.6	8.1717	920	137.12	7.2930	4432.9	8.1088			
186.13	5.3726	4485.4	8.2849	940	159.47	6.2708	4483.8	8.2126	940	139.47	7.1699	4482.1	8.1498			
189.25	5.2840	4534.8	8.3252	960	162.15	6.1671	4533.2	8.2529	960	141.83	7.0509	4531.6	8.1902			
192.37	5.1983	4584.3	8.3651	980	164.83	6.0668	4582.8	8.2929	980	144.18	6.9360	4581.3	8.2302			
195.49	5.1154	4634.1	8.4045	1000	167.51	5.9698	4632.7	8.3324	1000	146.52	6.8248	4631.2	8.2697			
211.05	4.7382	4886.7	8.5955	1100	180.87	5.5288	4885.6	8.5235	1100	158.24	6.3195	4884.4	8.4611			
226.57	4.4136	5145.0	8.7770	1200	194.20	5.1494	5144.1	8.7053	1200	169.92	5.8852	5143.1	8.6430			
242.07	4.1310	5408.8	8.9502	1300	207.50	4.8193	5408.0	8.8785	1300	181.57	5.5075	5407.2	8.8164			
257.55	3.8828	5677.5	9.1158	1400	220.78	4.5294	5676.9	9.0443	1400	193.20	5.1760	5676.3	8.9822			
273.01	3.6629	5950.9	9.2745	1500	234.04	4.2728	5950.4	9.2030	1500	204.81	4.8825	5949.9	9.1411			
288.46	3.4667	6228.7	9.4269	1600	247.29	4.0438	6228.3	9.3555	1600	216.42	4.6207	6227.9	9.2935			
319.32	3.1316	6795.8	9.7145	1800	273.76	3.6528	6795.5	9.6431	1800	239.59	4.1738	6795.3	9.5813			
350.17	2.8558	7376.3	9.9818	2000	300.21	3.3310	7376.2	9.9105	2000	262.74	3.8060	7376.0	9.8487			

Table 3. Compressed Water and Superheated Steam (continued)

4.5 MPa ($t_s = 257.437^\circ\text{C}$)				$t_s, ^\circ\text{C}$	5.0 MPa ($t_s = 263.941^\circ\text{C}$)				$t_s, ^\circ\text{C}$	5.5 MPa ($t_s = 269.965^\circ\text{C}$)			
v	ρ	h	s		v	ρ	h	s		v	ρ	h	s
51.378	19.464	2944.2	6.2854	300	45.346	22.053	2925.7	6.2110	300	40.373	24.769	2906.2	6.1397
52.873	18.913	2973.4	6.3359	310	46.766	21.383	2956.6	6.2646	310	41.740	23.958	2939.1	6.1966
54.317	18.410	3001.6	6.3838	320	48.130	20.777	2986.2	6.3149	320	43.043	23.233	2970.3	6.2496
55.720	17.947	3028.9	6.4295	330	49.446	20.224	3014.7	6.3626	330	44.294	22.576	3000.1	6.2995
57.087	17.517	3055.5	6.4732	340	50.724	19.714	3042.4	6.4080	340	45.502	21.977	3028.9	6.3468
58.423	17.117	3081.5	6.5153	350	51.969	19.242	3069.3	6.4516	350	46.675	21.425	3056.8	6.3920
59.733	16.741	3107.0	6.5560	360	53.186	18.802	3095.6	6.4935	360	47.817	20.913	3084.0	6.4352
61.021	16.388	3132.1	6.5953	370	54.378	18.390	3121.5	6.5340	370	48.934	20.436	3110.5	6.4769
62.288	16.054	3156.9	6.6336	380	55.549	18.002	3146.9	6.5732	380	50.027	19.989	3136.6	6.5171
63.538	15.739	3181.4	6.6708	390	56.702	17.636	3171.9	6.6112	390	51.101	19.569	3162.3	6.5561
64.772	15.439	3205.6	6.7070	400	57.837	17.290	3196.7	6.6483	400	52.158	19.173	3187.5	6.5939
65.991	15.153	3229.7	6.7425	410	58.958	16.961	3221.2	6.6844	410	53.199	18.797	3212.5	6.6307
67.199	14.881	3253.5	6.7771	420	60.066	16.648	3245.4	6.7196	420	54.226	18.441	3237.2	6.6666
68.394	14.621	3277.2	6.8111	430	61.162	16.350	3269.5	6.7541	430	55.241	18.102	3261.7	6.7017
69.580	14.372	3300.8	6.8443	440	62.248	16.065	3293.4	6.7879	440	56.245	17.779	3286.0	6.7360
70.756	14.133	3324.2	6.8770	450	63.323	15.792	3317.2	6.8210	450	57.239	17.471	3310.1	6.7696
71.924	13.904	3347.6	6.9091	460	64.390	15.530	3340.9	6.8535	460	58.224	17.175	3334.1	6.8025
73.083	13.683	3370.9	6.9406	470	65.449	15.279	3364.4	6.8854	470	59.200	16.892	3357.9	6.8348
74.236	13.471	3394.1	6.9716	480	66.500	15.038	3387.9	6.9168	480	60.169	16.620	3381.7	6.8666
75.381	13.266	3417.2	7.0022	490	67.545	14.805	3411.3	6.9477	490	61.131	16.358	3405.3	6.8978
76.521	13.068	3440.4	7.0323	500	68.583	14.581	3434.7	6.9781	500	62.086	16.107	3428.9	6.9285
77.784	12.933	3466.5	7.0912	510	70.642	14.366	3481.2	7.0375	510	63.979	15.830	3475.9	6.9885
81.027	12.342	3532.6	7.1486	540	72.681	13.759	3527.7	7.0954	540	65.852	15.585	3522.7	7.0468
83.253	12.012	3578.6	7.2046	560	74.703	13.386	3574.1	7.1517	560	67.708	14.769	3569.4	7.1035
85.464	11.701	3624.7	7.2592	580	76.710	13.036	3620.4	7.2067	580	69.548	14.379	3616.1	7.1589
87.662	11.407	3670.9	7.3127	600	78.704	12.706	3666.8	7.2605	600	71.374	14.011	3662.8	7.2130
89.848	11.130	3717.1	7.3650	620	80.685	12.394	3713.3	7.3131	620	73.188	13.663	3709.5	7.2659
92.024	10.867	3763.4	7.4163	640	82.657	12.098	3759.9	7.3647	640	74.992	13.335	3756.3	7.3177
94.191	10.617	3809.9	7.4666	660	84.619	11.818	3806.5	7.4152	660	76.787	13.023	3803.2	7.3685
96.349	10.379	3856.5	7.5161	680	86.572	11.551	3853.3	7.4649	680	78.573	12.727	3850.2	7.4183
98.500	10.152	3903.3	7.5646	700	88.518	11.297	3900.3	7.5136	700	80.351	12.445	3897.3	7.4672
100.64	9.9360	3950.2	7.6124	720	90.457	11.055	3947.4	7.5615	720	82.123	12.177	3944.6	7.5153
102.78	9.7294	3997.4	7.6594	740	92.390	10.824	3994.7	7.6087	740	83.888	11.921	3992.0	7.5626
104.91	9.5316	4044.7	7.7057	760	94.318	10.602	4042.2	7.6551	760	85.648	11.676	4039.6	7.6091
107.04	9.3422	4092.3	7.7512	780	96.240	10.391	4089.8	7.7008	780	87.403	11.441	4087.4	7.6549
109.16	9.1605	4140.0	7.7962	800	98.158	10.188	4137.7	7.7458	800	89.152	11.217	4135.4	7.7001
111.28	8.9861	4188.0	7.8404	820	100.07	9.9929	4185.8	7.7902	820	90.898	11.001	4183.6	7.7446
113.40	8.8186	4236.2	7.8841	840	101.98	9.8058	4234.1	7.8340	840	92.640	10.795	4232.0	7.7884
115.51	8.6574	4284.6	7.9272	860	103.89	9.6259	4282.6	7.8771	860	94.378	10.596	4280.6	7.8317
117.62	8.5023	4333.2	7.9698	880	105.79	9.4528	4331.3	7.9198	880	96.112	10.404	4329.4	7.8744
119.72	8.3528	4382.1	8.0118	900	107.69	9.2861	4380.2	7.9618	900	97.844	10.220	4378.4	7.9166
121.82	8.2087	4431.1	8.0533	920	109.58	9.1254	4429.4	8.0034	920	99.573	10.043	4427.7	7.9582
123.92	8.0697	4480.5	8.0942	940	111.48	8.9703	4478.8	8.0445	940	101.30	9.8718	4477.1	7.9993
126.02	7.9355	4530.0	8.1348	960	113.37	8.8207	4528.4	8.0850	960	103.02	9.7066	4526.8	8.0399
128.11	7.8057	4579.8	8.1748	980	115.26	8.6761	4578.3	8.1251	980	104.74	9.5471	4576.7	8.0801
130.20	7.6803	4629.8	8.2144	1000	117.15	8.5364	4628.3	8.1648	1000	106.46	9.3930	4626.9	8.1198
140.64	7.1106	4883.2	8.4060	1100	126.55	7.9018	4882.0	8.3566	1100	115.03	8.6933	4880.9	8.3118
151.03	6.6211	5142.2	8.5880	1200	135.92	7.3571	5141.2	8.5388	1200	123.56	8.0931	5140.3	8.4941
161.40	6.1957	5406.4	8.7615	1300	145.27	6.8838	5405.7	8.7124	1300	132.07	7.5719	5404.9	8.6679
171.75	5.8224	5675.6	8.9274	1400	154.59	6.4687	5675.0	8.8784	1400	140.55	7.1148	5674.4	8.8340
182.08	5.4920	5949.4	9.0863	1500	163.90	6.1014	5948.9	9.0374	1500	149.02	6.7106	5948.4	8.9930
192.40	5.1974	6227.5	9.2389	1600	173.19	5.7739	6227.1	9.1900	1600	157.47	6.3502	6226.7	9.1457
213.01	4.6945	6795.0	9.5267	1800	191.75	5.2151	6794.8	9.4779	1800	174.36	5.7354	6794.5	9.4337
233.60	4.2808	7375.9	9.7942	2000	210.29	4.7554	7375.8	9.7454	2000	191.21	5.2298	7375.7	9.7012

Table 3. Compressed Water and Superheated Steam (continued)

6.0 MPa (<i>t_s</i> = 275.585 °C)						6.5 MPa (<i>t_s</i> = 280.858 °C)					7.0 MPa (<i>t_s</i> = 285.829 °C)			
<i>v</i>	ρ	<i>h</i>	<i>s</i>	<i>t_s</i> , °C	<i>v</i>	ρ	<i>h</i>	<i>s</i>	<i>t_s</i> , °C	<i>v</i>	ρ	<i>h</i>	<i>s</i>	
36.189	27.632	2885.5	6.0703	300	32.607	30.668	2863.5	6.0019	300	29.492	33.907	2839.9	5.9337	
37.521	26.652	2920.6	6.1310	310	33.920	29.481	2901.2	6.0671	310	30.801	32.466	2880.6	6.0041	
38.780	25.786	2953.6	6.1871	320	35.149	28.450	2936.2	6.1266	320	32.012	31.238	2917.9	6.0675	
39.981	25.012	2984.9	6.2395	330	36.313	27.538	2969.1	6.1817	330	33.149	30.166	2952.7	6.1257	
41.135	24.310	3014.9	6.2888	340	37.425	26.720	3000.5	6.2333	340	34.229	29.215	2985.6	6.1797	
42.251	23.668	3043.9	6.3357	350	38.494	25.978	3030.6	6.2820	350	35.262	28.359	3016.9	6.2304	
43.333	23.077	3072.0	6.3804	360	39.528	25.298	3059.7	6.3283	360	36.257	27.581	3047.0	6.2784	
44.388	22.529	3099.4	6.4233	370	40.532	24.672	3087.9	6.3725	370	37.219	26.868	3076.2	6.3241	
45.418	22.018	3126.1	6.4646	380	41.511	24.090	3115.4	6.4150	380	38.155	26.209	3104.5	6.3677	
46.428	21.539	3152.4	6.5045	390	42.467	23.547	3142.4	6.4559	390	39.067	25.597	3132.1	6.4097	
47.419	21.088	3178.2	6.5432	400	43.404	23.039	3168.8	6.4954	400	39.958	25.026	3159.2	6.4502	
48.395	20.663	3203.7	6.5807	410	44.325	22.561	3194.8	6.5338	410	40.832	24.491	3185.7	6.4894	
49.355	20.261	3228.9	6.6173	420	45.230	22.109	3220.4	6.5710	420	41.690	23.987	3211.8	6.5273	
50.303	19.879	3253.8	6.6530	430	46.122	21.682	3245.8	6.6073	430	42.534	23.510	3237.6	6.5643	
51.240	19.516	3278.4	6.6878	440	47.002	21.276	3270.8	6.6427	440	43.366	23.060	3263.1	6.6002	
52.166	19.170	3302.9	6.7219	450	47.871	20.890	3295.6	6.6773	450	44.187	22.631	3288.3	6.6353	
53.083	18.839	3327.2	6.7552	460	48.730	20.521	3320.3	6.7111	460	44.997	22.224	3313.3	6.6696	
53.991	18.522	3351.4	6.7880	470	49.581	20.169	3344.7	6.7442	470	45.799	21.835	3338.0	6.7032	
54.891	18.218	3375.4	6.8201	480	50.423	19.832	3369.0	6.7767	480	46.592	21.463	3362.6	6.7360	
55.784	17.926	3399.3	6.8516	490	51.259	19.509	3393.2	6.8086	490	47.378	21.107	3387.1	6.7683	
56.671	17.646	3423.1	6.8826	500	52.087	19.199	3417.3	6.8399	500	48.157	20.765	3411.4	6.8000	
58.426	17.116	3470.5	6.9432	520	53.726	18.613	3465.1	6.9011	520	49.696	20.122	3459.7	6.8617	
60.161	16.622	3517.7	7.0020	540	55.344	18.069	3512.7	6.9603	540	51.214	19.526	3507.7	6.9214	
61.877	16.161	3564.8	7.0591	560	56.943	17.561	3560.2	7.0179	560	52.713	18.971	3555.5	6.9794	
63.578	15.729	3611.8	7.1149	580	58.526	17.086	3607.4	7.0740	580	54.196	18.452	3603.1	7.0359	
65.265	15.322	3658.7	7.1693	600	60.096	16.640	3654.7	7.1288	600	55.665	17.965	3650.6	7.0910	
66.941	14.939	3705.7	7.2224	620	61.653	16.220	3701.9	7.1822	620	57.121	17.507	3698.1	7.1447	
68.605	14.576	3752.7	7.2745	640	63.200	15.823	3749.1	7.2345	640	58.567	17.074	3745.5	7.1973	
70.260	14.233	3799.8	7.3255	660	64.737	15.447	3796.4	7.2858	660	60.003	16.666	3793.0	7.2487	
71.907	13.907	3847.0	7.3755	680	66.266	15.091	3843.8	7.3360	680	61.431	16.279	3840.6	7.2992	
73.545	13.597	3894.3	7.4246	700	67.786	14.752	3891.3	7.3853	700	62.850	15.911	3888.2	7.3486	
75.177	13.302	3941.7	7.4729	720	69.300	14.430	3938.9	7.4337	720	64.263	15.561	3936.0	7.3972	
76.803	13.020	3989.3	7.5203	740	70.808	14.123	3986.6	7.4813	740	65.669	15.228	3983.9	7.4450	
78.423	12.751	4037.0	7.5670	760	72.310	13.829	4034.5	7.5281	760	67.070	14.910	4031.9	7.4919	
80.038	12.494	4085.0	7.6129	780	73.806	13.549	4082.5	7.5741	780	68.465	14.606	4080.1	7.5381	
81.648	12.248	4133.1	7.6582	800	75.298	13.281	4130.8	7.6195	800	69.855	14.315	4128.4	7.5836	
83.254	12.011	4181.4	7.7028	820	76.786	13.023	4179.2	7.6642	820	71.242	14.037	4177.0	7.6284	
84.856	11.785	4229.9	7.7467	840	78.269	12.776	4227.8	7.7083	840	72.624	13.770	4225.7	7.6725	
86.454	11.567	4278.6	7.7901	860	79.749	12.539	4276.6	7.7517	860	74.003	13.513	4274.6	7.7160	
88.049	11.357	4327.5	7.8329	880	81.226	12.311	4325.6	7.7946	880	75.378	13.267	4323.7	7.7590	
89.641	11.156	4376.6	7.8751	900	82.699	12.092	4374.8	7.8369	900	76.750	13.029	4373.0	7.8014	
91.230	10.961	4425.9	7.9168	920	84.170	11.881	4424.2	7.8786	920	78.119	12.801	4422.4	7.8432	
92.816	10.774	4475.5	7.9580	940	85.638	11.677	4473.8	7.9199	940	79.485	12.581	4472.1	7.8845	
94.400	10.593	4525.2	7.9987	960	87.103	11.481	4523.6	7.9606	960	80.849	12.369	4522.1	7.9253	
95.981	10.419	4575.2	8.0389	980	88.566	11.291	4573.7	8.0009	980	82.211	12.164	4572.2	7.9656	
97.560	10.250	4625.4	8.0786	1000	90.027	11.108	4624.0	8.0407	1000	83.571	11.966	4622.5	8.0055	
105.43	9.4850	4879.7	8.2709	1100	97.305	10.277	4878.5	8.2331	1100	90.341	11.069	4877.3	8.1981	
113.26	8.8291	5139.3	8.4534	1200	104.55	9.5652	5138.4	8.4158	1200	97.074	10.301	5137.4	8.3810	
121.07	8.2599	5404.1	8.6272	1300	111.76	8.9478	5403.3	8.5898	1300	103.78	9.6357	5402.6	8.5551	
128.85	7.7609	5673.7	8.7934	1400	118.95	8.4068	5673.1	8.7560	1400	110.47	9.0525	5672.5	8.7214	
136.62	7.3196	5947.9	8.9525	1500	126.13	7.9284	5947.4	8.9152	1500	117.14	8.5371	5946.9	8.8807	
144.38	6.9264	6226.3	9.1052	1600	133.29	7.5023	6225.9	9.0680	1600	123.79	8.0780	6225.5	9.0335	
159.86	6.2555	6794.3	9.3933	1800	147.59	6.7754	6794.1	9.3562	1800	137.08	7.2951	6793.8	9.3217	
175.32	5.7040	7375.6	9.6609	2000	161.87	6.1779	7375.4	9.6238	2000	150.34	6.6517	7375.3	9.5895	

Table 3. Compressed Water and Superheated Steam (continued)

7.5 MPa ($t_s = 290.535$ °C)					8.0 MPa ($t_s = 295.008$ °C)					9.0 MPa ($t_s = 303.345$ °C)				
v	ρ	h	s	t_s , °C	v	ρ	h	s	t_s , °C	v	ρ	h	s	t_s , °C
26.742	37.394	2814.4	5.8646	300	24.279	41.188	2786.5	5.7937	300	1.402 39	713.07	1344.5	3.2533	
28.063	35.634	2858.8	5.9414	310	25.630	39.016	2835.4	5.8783	310	21.448	46.625	2782.7	5.7478	
29.268	34.167	2898.7	6.0093	320	26.840	37.258	2878.4	5.9515	320	22.708	44.036	2834.0	5.8350	
30.388	32.907	2935.5	6.0709	330	27.952	35.775	2917.6	6.0170	330	23.831	41.962	2879.0	5.9101	
31.444	31.802	2970.1	6.1277	340	28.992	34.493	2953.9	6.0768	340	24.859	40.228	2919.7	5.9771	
32.449	30.818	3002.8	6.1806	350	29.975	33.361	2988.1	6.1321	350	25.816	38.736	2957.3	6.0380	
33.412	29.930	3034.0	6.2304	360	30.912	32.350	3020.6	6.1838	360	26.718	37.428	2992.6	6.0942	
34.340	29.121	3064.1	6.2776	370	31.812	31.434	3051.8	6.2327	370	27.577	36.263	3026.1	6.1467	
35.239	28.378	3093.3	6.3225	380	32.681	30.599	3081.8	6.2790	380	28.399	35.212	3058.1	6.1961	
36.113	27.691	3121.7	6.3656	390	33.524	29.830	3111.0	6.3233	390	29.192	34.256	3089.0	6.2429	
36.966	27.052	3149.4	6.4071	400	34.344	29.117	3139.4	6.3658	400	29.960	33.378	3118.8	6.2876	
37.801	26.455	3176.5	6.4471	410	35.144	28.454	3167.1	6.4067	410	30.706	32.567	3147.9	6.3304	
38.619	25.894	3203.1	6.4858	420	35.928	27.834	3194.3	6.4462	420	31.433	31.813	3176.2	6.3716	
39.422	25.367	3229.4	6.5234	430	36.696	27.251	3221.0	6.4845	430	32.144	31.110	3203.9	6.4114	
40.212	24.868	3255.3	6.5600	440	37.451	26.702	3247.3	6.5217	440	32.841	30.450	3231.2	6.4499	
40.992	24.395	3280.9	6.5956	450	38.194	26.182	3273.3	6.5579	450	33.524	29.829	3258.0	6.4872	
41.760	23.946	3306.2	6.6304	460	38.926	25.690	3299.0	6.5931	460	34.197	29.243	3284.5	6.5235	
42.520	23.519	3331.3	6.6644	470	39.648	25.222	3324.4	6.6276	470	34.859	28.687	3310.6	6.5589	
43.270	23.110	3356.2	6.6977	480	40.362	24.776	3349.6	6.6613	480	35.512	28.160	3336.4	6.5935	
44.014	22.720	3380.9	6.7303	490	41.068	24.350	3374.7	6.6942	490	36.156	27.658	3362.0	6.6272	
44.750	22.347	3405.5	6.7623	500	41.767	23.942	3399.5	6.7266	500	36.793	27.179	3387.4	6.6603	
46.203	21.644	3454.2	6.8246	520	43.145	23.177	3448.7	6.7895	520	38.047	26.283	3437.6	6.7244	
47.634	20.993	3502.6	6.8848	540	44.501	22.471	3497.6	6.8503	540	39.278	25.460	3487.3	6.7862	
49.046	20.389	3550.8	6.9433	560	45.838	21.816	3546.0	6.9092	560	40.488	24.698	3536.5	6.8461	
50.442	19.825	3598.7	7.0001	580	47.158	21.205	3594.3	6.9664	580	41.682	23.991	3585.4	6.9041	
51.824	19.296	3646.5	7.0555	600	48.463	20.634	3642.4	7.0221	600	42.861	23.331	3634.1	6.9605	
53.193	18.799	3694.2	7.1096	620	49.756	20.098	3690.4	7.0764	620	44.027	22.713	3682.6	7.0154	
54.552	18.331	3741.9	7.1624	640	51.038	19.593	3738.3	7.1295	640	45.181	22.133	3731.0	7.0690	
55.900	17.889	3789.6	7.2141	660	52.310	19.117	3786.2	7.1814	660	46.326	21.586	3779.4	7.1214	
57.240	17.470	3837.4	7.2647	680	53.573	18.666	3834.2	7.2323	680	47.461	21.070	3827.7	7.1726	
58.572	17.073	3885.2	7.3144	700	54.828	18.239	3882.2	7.2821	700	48.589	20.581	3876.1	7.2229	
59.897	16.695	3933.1	7.3631	720	56.077	17.833	3930.3	7.3310	720	49.709	20.117	3924.5	7.2721	
61.215	16.336	3981.2	7.4110	740	57.318	17.446	3978.5	7.3791	740	50.823	19.676	3973.0	7.3205	
62.528	15.993	4029.3	7.4581	760	58.554	17.078	4026.8	7.4263	760	51.931	19.256	4021.6	7.3680	
63.836	15.665	4077.7	7.5044	780	59.785	16.727	4075.2	7.4727	780	53.034	18.856	4070.3	7.4147	
65.138	15.352	4126.1	7.5500	800	61.011	16.390	4123.8	7.5184	800	54.132	18.473	4119.1	7.4606	
66.437	15.052	4174.8	7.5949	820	62.233	16.069	4172.5	7.5635	820	55.226	18.108	4168.1	7.5058	
67.731	14.764	4223.6	7.6391	840	63.450	15.760	4221.5	7.6078	840	56.315	17.757	4217.3	7.5503	
69.022	14.488	4272.6	7.6828	860	64.664	15.465	4270.6	7.6515	860	57.401	17.421	4266.5	7.5942	
70.309	14.223	4321.7	7.7258	880	65.874	15.180	4319.8	7.6946	880	58.483	17.099	4316.0	7.6375	
71.593	13.968	4371.1	7.7682	900	67.082	14.907	4369.3	7.7371	900	59.562	16.789	4365.7	7.6802	
72.875	13.722	4420.7	7.8101	920	68.286	14.644	4419.0	7.7791	920	60.639	16.491	4415.5	7.7223	
74.153	13.486	4470.5	7.8515	940	69.488	14.391	4468.8	7.8206	940	61.712	16.204	4465.5	7.7639	
75.430	13.257	4520.5	7.8924	960	70.687	14.147	4518.9	7.8615	960	62.783	15.928	4515.7	7.8049	
76.703	13.037	4570.7	7.9327	980	71.884	13.911	4569.1	7.9019	980	63.852	15.661	4566.1	7.8454	
77.975	12.825	4621.1	7.9726	1000	73.079	13.684	4619.6	7.9419	1000	64.918	15.404	4616.7	7.8855	
84.306	11.862	4876.2	8.1655	1100	79.025	12.654	4875.0	8.1350	1100	70.224	14.240	4872.7	8.0790	
90.600	11.038	5136.5	8.3485	1200	84.934	11.774	5135.5	8.3181	1200	75.492	13.246	5133.6	8.2625	
96.866	10.323	5401.8	8.5227	1300	90.816	11.011	5401.0	8.4924	1300	80.733	12.387	5399.5	8.4370	
103.11	9.6981	5671.9	8.6891	1400	96.678	10.344	5671.2	8.6589	1400	85.954	11.634	5670.0	8.6037	
109.34	9.1456	5946.4	8.8485	1500	102.52	9.7539	5945.9	8.8184	1500	91.158	10.970	5944.9	8.7633	
115.56	8.6535	6225.1	9.0014	1600	108.36	9.2288	6224.7	8.9713	1600	96.350	10.379	6223.9	8.9163	
127.97	7.8145	6793.6	9.2897	1800	119.99	8.3338	6793.4	9.2597	1800	106.71	9.3716	6792.9	9.2049	
140.35	7.1252	7375.2	9.5575	2000	131.60	7.5986	7375.1	9.5275	2000	117.03	8.5446	7374.9	9.4729	

Table 3. Compressed Water and Superheated Steam (continued)

10 MPa ($t_s = 310.997$ °C)				t_s , °C	11 MPa ($t_s = 318.079$ °C)				t_s , °C	12 MPa ($t_s = 324.675$ °C)			
v	ρ	h	s		v	ρ	h	s		v	ρ	h	s
1.398 04	715.29	1343.3	3.2488	300	1.393 83	717.45	1342.2	3.2444	300	1.389 76	719.55	1341.2	3.2401
1.447 09	691.04	1402.0	3.3502	310	1.441 49	693.72	1400.3	3.3449	310	1.436 13	696.31	1398.7	3.3397
19.270	51.894	2782.8	5.7133	320	16.274	61.447	2721.1	5.5793	320	1.493 66	669.50	1460.5	3.4447
20.444	48.913	2835.8	5.8019	330	17.565	56.931	2786.5	5.6888	330	15.021	66.572	2728.2	5.5651
21.487	46.539	2882.1	5.8782	340	18.656	53.602	2840.6	5.7777	340	16.210	61.690	2793.6	5.6727
22.440	44.564	2924.0	5.9459	350	19.625	50.955	2887.9	5.8542	350	17.221	58.068	2848.1	5.7609
23.325	42.873	2962.7	6.0075	360	20.509	48.758	2930.6	5.9223	360	18.121	55.185	2895.9	5.8371
24.158	41.394	2998.9	6.0642	370	21.331	46.881	2970.0	5.9840	370	18.943	52.791	2939.2	5.9049
24.950	40.081	3033.2	6.1172	380	22.103	45.243	3006.9	6.0410	380	19.706	50.746	2979.2	5.9665
25.707	38.900	3065.9	6.1669	390	22.836	43.790	3041.9	6.0941	390	20.424	48.961	3016.6	6.0234
26.436	37.827	3097.4	6.2141	400	23.537	42.486	3075.2	6.1440	400	21.106	47.380	3052.0	6.0764
27.142	36.844	3127.9	6.2590	410	24.212	41.302	3107.2	6.1912	410	21.758	45.961	3085.8	6.1262
27.826	35.937	3157.5	6.3020	420	24.864	40.219	3138.2	6.2362	420	22.385	44.674	3118.3	6.1734
28.493	35.096	3186.4	6.3434	430	25.496	39.221	3168.3	6.2793	430	22.990	43.497	3149.7	6.2184
29.144	34.312	3214.6	6.3833	440	26.112	38.297	3197.6	6.3207	440	23.577	42.413	3180.1	6.2614
29.782	33.578	3242.3	6.4219	450	26.713	37.435	3226.3	6.3607	450	24.149	41.410	3209.8	6.3028
30.407	32.887	3269.6	6.4593	460	27.301	36.629	3254.4	6.3993	460	24.707	40.475	3238.9	6.3427
31.022	32.236	3296.5	6.4957	470	27.877	35.872	3282.0	6.4367	470	25.252	39.601	3267.3	6.3812
31.626	31.619	3323.0	6.5311	480	28.443	35.158	3309.3	6.4731	480	25.787	38.780	3295.3	6.4186
32.223	31.034	3349.2	6.5657	490	29.000	34.482	3336.1	6.5085	490	26.312	38.006	3322.8	6.4549
32.811	30.478	3375.1	6.5995	500	29.549	33.842	3362.7	6.5431	500	26.828	37.275	3350.0	6.4903
33.966	29.441	3426.4	6.6649	520	30.624	32.654	3415.0	6.6099	520	27.837	35.923	3403.4	6.5585
35.097	28.493	3476.9	6.7278	540	31.674	31.571	3466.4	6.6739	540	28.821	34.697	3455.8	6.6237
36.207	27.619	3526.9	6.7886	560	32.703	30.578	3517.2	6.7356	560	29.782	33.577	3507.4	6.6864
37.300	26.809	3576.5	6.8474	580	33.714	29.661	3567.5	6.7953	580	30.725	32.547	3558.4	6.7469
38.378	26.057	3625.8	6.9045	600	34.709	28.811	3617.4	6.8531	600	31.651	31.594	3608.9	6.8054
39.442	25.353	3674.8	6.9600	620	35.691	28.018	3667.0	6.9092	620	32.564	30.708	3659.1	6.8622
40.495	24.694	3723.7	7.0142	640	36.661	27.277	3716.4	6.9639	640	33.465	29.882	3709.0	6.9175
41.538	24.074	3772.5	7.0670	660	37.621	26.581	3765.6	7.0173	660	34.356	29.107	3758.7	6.9713
42.572	23.490	3821.3	7.1187	680	38.571	25.926	3814.8	7.0694	680	35.237	28.379	3808.2	7.0239
43.597	22.937	3870.0	7.1693	700	39.513	25.308	3863.9	7.1204	700	36.109	27.694	3857.7	7.0753
44.615	22.414	3918.7	7.2189	720	40.448	24.723	3913.0	7.1703	720	36.975	27.046	3907.2	7.1256
45.627	21.917	3967.6	7.2676	740	41.376	24.169	3962.1	7.2193	740	37.833	26.432	3956.6	7.1748
46.633	21.444	4016.4	7.3153	760	42.298	23.642	4011.2	7.2673	760	38.685	25.849	4006.0	7.2232
47.633	20.994	4065.4	7.3623	780	43.215	23.140	4060.5	7.3146	780	39.532	25.296	4055.6	7.2706
48.629	20.564	4114.5	7.4085	800	44.126	22.662	4109.8	7.3610	800	40.375	24.768	4105.1	7.3173
49.620	20.153	4163.7	7.4539	820	45.034	22.206	4159.3	7.4066	820	41.212	24.265	4154.8	7.3631
50.607	19.760	4213.0	7.4986	840	45.937	21.769	4208.8	7.4515	840	42.045	23.784	4204.6	7.4083
51.590	19.383	4262.5	7.5427	860	46.837	21.351	4258.5	7.4958	860	42.875	23.324	4254.5	7.4527
52.570	19.022	4312.2	7.5861	880	47.733	20.950	4308.3	7.5394	880	43.701	22.883	4304.5	7.4965
53.547	18.675	4362.0	7.6290	900	48.625	20.565	4358.3	7.5824	900	44.524	22.460	4354.7	7.5396
54.521	18.342	4412.0	7.6712	920	49.515	20.196	4408.5	7.6247	920	45.344	22.054	4405.0	7.5821
55.492	18.021	4462.2	7.7129	940	50.402	19.840	4458.8	7.6666	940	46.161	21.663	4455.5	7.6241
56.460	17.712	4512.5	7.7541	960	51.287	19.498	4509.3	7.7079	960	46.976	21.287	4506.1	7.6655
57.426	17.414	4563.0	7.7947	980	52.169	19.168	4560.0	7.7486	980	47.789	20.925	4557.0	7.7064
58.390	17.126	4613.8	7.8349	1000	53.049	18.850	4610.9	7.7889	1000	48.599	20.577	4608.0	7.7467
63.183	15.827	4870.3	8.0288	1100	57.422	17.415	4868.0	7.9833	1100	52.622	19.003	4865.6	7.9416
67.938	14.719	5131.7	8.2126	1200	61.758	16.192	5129.8	8.1673	1200	56.608	17.665	5127.9	8.1259
72.667	13.761	5397.9	8.3874	1300	66.067	15.136	5396.4	8.3424	1300	60.567	16.511	5394.9	8.3012
77.374	12.924	5668.7	8.5543	1400	70.355	14.214	5667.5	8.5095	1400	64.505	15.503	5666.3	8.4685
82.066	12.185	5943.9	8.7140	1500	74.627	13.400	5942.9	8.6693	1500	68.428	14.614	5941.9	8.6284
86.745	11.528	6223.1	8.8671	1600	78.886	12.676	6222.3	8.8226	1600	72.337	13.824	6221.5	8.7818
96.074	10.409	6792.4	9.1559	1800	87.377	11.445	6791.9	9.1115	1800	80.129	12.480	6791.5	9.0709
105.38	9.4897	7374.6	9.4239	2000	95.840	10.434	7374.4	9.3796	2000	87.892	11.378	7374.2	9.3392

Table 3. Compressed Water and Superheated Steam (continued)

25 MPa				$t, ^\circ\text{C}$	30 MPa				$t, ^\circ\text{C}$	35 MPa			
v	ρ	h	s		v	ρ	h	s		v	ρ	h	s
0.988 00	1012.15	24.96	0.000 41	0	0.985 67	1014.54	29.86	0.000 27	0	0.983 38	1016.90	34.72	0.000 05
0.988 26	1011.88	45.51	0.074 96	5	0.986 01	1014.19	50.32	0.074 50	5	0.983 79	1016.48	55.10	0.073 98
0.988 84	1011.29	66.06	0.148 19	10	0.986 64	1013.54	70.79	0.147 45	10	0.984 47	1015.77	75.50	0.146 66
0.989 68	1010.43	86.62	0.220 15	15	0.987 53	1012.63	91.28	0.219 16	15	0.985 40	1014.81	95.91	0.218 13
0.990 77	1009.32	107.18	0.290 89	20	0.988 65	1011.48	111.77	0.289 68	20	0.986 56	1013.63	116.34	0.288 44
0.992 07	1007.99	127.75	0.360 47	25	0.989 98	1010.12	132.28	0.359 05	25	0.987 91	1012.23	136.80	0.357 61
0.993 58	1006.46	148.33	0.428 94	30	0.991 50	1008.57	152.81	0.427 32	30	0.989 46	1010.65	157.27	0.425 70
0.995 27	1004.75	168.93	0.496 32	35	0.993 21	1006.83	173.35	0.494 52	35	0.991 18	1008.90	177.75	0.492 72
0.997 15	1002.86	189.53	0.562 65	40	0.995 09	1004.93	193.90	0.560 69	40	0.993 07	1006.98	198.26	0.558 73
0.999 19	1000.81	210.15	0.627 98	45	0.997 14	1002.87	214.47	0.625 86	45	0.995 11	1004.91	218.78	0.623 74
1.001 39	998.61	230.79	0.692 33	50	0.999 33	1000.67	235.05	0.690 05	50	0.997 31	1002.70	239.31	0.687 78
1.003 75	996.27	251.43	0.755 73	55	1.001 68	998.32	255.65	0.753 30	55	0.999 65	1000.35	259.86	0.750 89
1.006 25	993.79	272.09	0.818 21	60	1.004 17	995.84	276.26	0.815 64	60	1.002 13	997.88	280.43	0.813 08
1.008 90	991.17	292.77	0.879 81	65	1.006 81	993.24	296.89	0.877 10	65	1.004 75	995.28	301.01	0.874 40
1.011 70	988.44	313.46	0.940 54	70	1.009 58	990.51	317.53	0.937 69	70	1.007 50	992.56	321.60	0.934 86
1.014 63	985.59	334.16	1.0004	75	1.012 49	987.67	338.19	0.997 46	75	1.010 38	989.73	342.21	0.994 50
1.017 69	982.61	354.88	1.0595	80	1.015 53	984.71	358.86	1.0564	80	1.013 39	986.78	362.84	1.0533
1.020 90	979.53	375.62	1.1178	85	1.018 70	981.65	379.55	1.1146	85	1.016 54	983.73	383.49	1.1114
1.024 23	976.34	396.38	1.1754	90	1.022 00	978.47	400.26	1.1720	90	1.019 80	980.58	404.15	1.1687
1.027 70	973.05	417.15	1.2322	95	1.025 43	975.20	420.99	1.2287	95	1.023 20	977.33	424.83	1.2252
1.031 30	969.65	437.95	1.2883	100	1.028 99	971.82	441.74	1.2847	100	1.026 72	973.97	445.54	1.2811
1.035 04	966.14	458.78	1.3438	105	1.032 68	968.35	462.52	1.3400	105	1.030 37	970.53	466.26	1.3363
1.038 91	962.54	479.63	1.3986	110	1.036 51	964.78	483.32	1.3946	110	1.034 14	966.98	487.01	1.3908
1.042 92	958.85	500.50	1.4527	115	1.040 46	961.11	504.14	1.4486	115	1.038 05	963.35	507.79	1.4447
1.047 06	955.05	521.41	1.5062	120	1.044 55	957.35	525.00	1.5020	120	1.042 08	959.62	528.59	1.4979
1.051 34	951.16	542.35	1.5591	125	1.048 77	953.50	545.88	1.5548	125	1.046 24	955.80	549.43	1.5506
1.055 77	947.18	563.33	1.6115	130	1.053 12	949.56	566.81	1.6070	130	1.050 53	951.90	570.29	1.6027
1.060 33	943.10	584.35	1.6633	135	1.057 62	945.52	587.76	1.6587	135	1.054 96	947.90	591.20	1.6542
1.065 05	938.93	605.41	1.7146	140	1.062 26	941.39	608.76	1.7098	140	1.059 53	943.82	612.14	1.7052
1.069 91	934.66	626.51	1.7654	145	1.067 04	937.17	629.80	1.7605	145	1.064 23	939.64	633.12	1.7557
1.074 92	930.30	647.66	1.8156	150	1.071 97	932.86	650.89	1.8106	150	1.069 08	935.38	654.14	1.8056
1.080 09	925.85	668.86	1.8654	155	1.077 05	928.46	672.02	1.8602	155	1.074 07	931.04	675.21	1.8551
1.085 43	921.30	690.11	1.9148	160	1.082 28	923.97	693.21	1.9094	160	1.079 22	926.60	696.33	1.9042
1.090 93	916.65	711.43	1.9637	165	1.087 68	919.39	714.45	1.9582	165	1.084 51	922.07	717.50	1.9528
1.096 60	911.91	732.80	2.0122	170	1.093 24	914.71	735.75	2.0065	170	1.089 97	917.46	738.73	2.0009
1.102 45	907.07	754.25	2.0604	175	1.098 97	909.94	757.11	2.0545	175	1.095 59	912.75	760.02	2.0487
1.108 49	902.13	775.76	2.1081	180	1.104 88	905.07	778.54	2.1020	180	1.101 38	907.95	781.37	2.0961
1.114 72	897.09	797.35	2.1555	185	1.110 98	900.11	800.05	2.1492	185	1.107 34	903.06	802.79	2.1431
1.121 15	891.94	819.02	2.2025	190	1.117 26	895.05	821.62	2.1961	190	1.113 49	898.08	824.28	2.1897
1.127 78	886.69	840.77	2.2492	195	1.123 74	889.88	843.28	2.2426	195	1.119 83	893.00	845.84	2.2361
1.134 64	881.33	862.61	2.2956	200	1.130 43	884.62	865.02	2.2888	200	1.126 36	887.82	867.48	2.2820
1.149 06	870.28	906.59	2.3876	210	1.144 47	873.76	908.77	2.3803	210	1.140 05	877.15	911.02	2.3731
1.164 49	858.75	951.00	2.4786	220	1.159 47	862.46	952.93	2.4707	220	1.154 64	866.07	954.94	2.4631
1.181 04	846.71	995.89	2.5687	230	1.175 52	850.69	997.54	2.5603	230	1.170 22	854.54	999.28	2.5521
1.198 87	834.12	1041.3	2.6582	240	1.192 75	838.40	1042.7	2.6491	240	1.186 90	842.53	1044.1	2.6403
1.218 14	820.92	1087.4	2.7471	250	1.211 31	825.56	1088.4	2.7373	250	1.204 81	830.00	1089.4	2.7278
1.239 06	807.06	1134.2	2.8357	260	1.231 37	812.10	1134.7	2.8250	260	1.224 11	816.92	1135.4	2.8148
1.261 90	792.46	1181.9	2.9242	270	1.253 17	797.98	1181.8	2.9126	270	1.244 98	803.23	1182.0	2.9014
1.286 99	777.01	1230.5	3.0129	280	1.276 98	783.10	1229.8	3.0001	280	1.267 66	788.85	1229.4	2.9879
1.314 78	760.59	1280.2	3.1020	290	1.303 15	767.37	1278.7	3.0878	290	1.292 45	773.73	1277.7	3.0744

Table 3. Compressed Water and Superheated Steam (continued)

40 MPa				$t, ^\circ\text{C}$	45 MPa				$t, ^\circ\text{C}$	50 MPa			
v	ρ	h	s		v	ρ	h	s		v	ρ	h	s
0.981 13	1019.23	39.55	-0.000 24	0	0.978 92	1021.54	44.35	-0.000 60	0	0.976 73	1023.82	49.13	-0.001 03
0.981 60	1018.74	59.85	0.073 40	5	0.979 45	1020.98	64.58	0.072 76	5	0.977 33	1023.20	69.28	0.072 07
0.982 34	1017.98	80.18	0.145 82	10	0.980 24	1020.16	84.83	0.144 94	10	0.978 16	1022.32	89.47	0.144 02
0.983 31	1016.97	100.53	0.217 07	15	0.981 25	1019.11	105.12	0.215 97	15	0.979 22	1021.22	109.69	0.214 83
0.984 50	1015.75	120.90	0.287 16	20	0.982 47	1017.85	125.44	0.285 86	20	0.980 47	1019.92	129.95	0.284 54
0.985 88	1014.32	141.29	0.356 15	25	0.983 87	1016.39	145.78	0.354 66	25	0.981 89	1018.44	150.24	0.353 16
0.987 44	1012.72	161.71	0.424 05	30	0.985 45	1014.76	166.14	0.422 40	30	0.983 49	1016.79	170.56	0.420 73
0.989 17	1010.94	182.15	0.490 91	35	0.987 20	1012.97	186.53	0.489 10	35	0.985 25	1014.97	190.89	0.487 27
0.991 07	1009.01	202.60	0.556 76	40	0.989 10	1011.02	206.93	0.554 79	40	0.987 15	1013.01	211.25	0.552 81
0.993 11	1006.93	223.07	0.621 61	45	0.991 14	1008.93	227.36	0.619 50	45	0.989 20	1010.92	231.63	0.617 38
0.995 31	1004.72	243.56	0.685 51	50	0.993 33	1006.71	247.80	0.683 25	50	0.991 39	1008.69	252.03	0.681 00
0.997 64	1002.37	264.06	0.748 48	55	0.995 66	1004.36	268.26	0.746 08	55	0.993 71	1006.33	272.45	0.743 69
1.000 11	999.89	284.58	0.810 54	60	0.998 12	1001.88	288.74	0.808 01	60	0.996 16	1003.86	292.88	0.805 49
1.002 71	997.30	305.12	0.871 72	65	1.000 71	999.29	309.23	0.869 06	65	0.998 73	1001.27	313.33	0.866 42
1.005 45	994.58	325.67	0.932 05	70	1.003 42	996.59	329.74	0.929 27	70	1.001 43	998.57	333.80	0.926 50
1.008 31	991.76	346.24	0.991 56	75	1.006 26	993.77	350.26	0.988 65	75	1.004 25	995.77	354.28	0.985 75
1.011 29	988.83	366.82	1.0503	80	1.009 23	990.86	370.80	1.0472	80	1.007 19	992.86	374.78	1.0442
1.014 41	985.80	387.42	1.1082	85	1.012 31	987.84	391.36	1.1050	85	1.010 25	989.85	395.29	1.1019
1.017 64	982.66	408.04	1.1654	90	1.015 52	984.72	411.93	1.1621	90	1.013 43	986.75	415.82	1.1588
1.021 00	979.43	428.68	1.2218	95	1.018 84	981.50	432.52	1.2184	95	1.016 72	983.56	436.37	1.2150
1.024 49	976.10	449.33	1.2775	100	1.022 29	978.20	453.14	1.2740	100	1.020 13	980.27	456.94	1.2705
1.028 09	972.68	470.01	1.3326	105	1.025 85	974.80	473.77	1.3289	105	1.023 65	976.89	477.53	1.3253
1.031 82	969.16	490.72	1.3870	110	1.029 54	971.31	494.42	1.3832	110	1.027 30	973.43	498.14	1.3795
1.035 68	965.55	511.44	1.4407	115	1.033 35	967.73	515.10	1.4368	115	1.031 06	969.88	518.77	1.4330
1.039 65	961.86	532.20	1.4938	120	1.037 28	964.06	535.81	1.4898	120	1.034 94	966.24	539.43	1.4859
1.043 76	958.07	552.98	1.5464	125	1.041 33	960.31	556.54	1.5422	125	1.038 94	962.52	560.12	1.5381
1.047 99	954.20	573.79	1.5983	130	1.045 50	956.48	577.31	1.5941	130	1.043 06	958.72	580.83	1.5898
1.052 36	950.25	594.64	1.6497	135	1.049 81	952.56	598.10	1.6453	135	1.047 30	954.83	601.58	1.6410
1.056 85	946.20	615.53	1.7006	140	1.054 24	948.55	618.93	1.6960	140	1.051 67	950.87	622.36	1.6916
1.061 49	942.08	636.45	1.7509	145	1.058 80	944.47	639.80	1.7462	145	1.056 16	946.82	643.17	1.7417
1.066 26	937.86	657.42	1.8008	150	1.063 49	940.30	660.71	1.7960	150	1.060 79	942.70	664.02	1.7912
1.071 17	933.56	678.42	1.8501	155	1.068 32	936.05	681.66	1.8452	155	1.065 54	938.49	684.91	1.8403
1.076 22	929.18	699.48	1.8990	160	1.073 29	931.71	702.65	1.8939	160	1.070 43	934.20	705.84	1.8889
1.081 42	924.71	720.58	1.9474	165	1.078 41	927.29	723.69	1.9422	165	1.075 46	929.83	726.82	1.9371
1.086 78	920.15	741.74	1.9955	170	1.083 67	922.79	744.78	1.9901	170	1.080 63	925.39	747.85	1.9848
1.092 29	915.51	762.96	2.0431	175	1.089 08	918.21	765.93	2.0375	175	1.085 94	920.86	768.93	2.0321
1.097 97	910.77	784.23	2.0903	180	1.094 65	913.54	787.13	2.0846	180	1.091 41	916.25	790.06	2.0790
1.103 81	905.95	805.57	2.1371	185	1.100 37	908.78	808.39	2.1312	185	1.097 03	911.55	811.25	2.1255
1.109 83	901.04	826.97	2.1836	190	1.106 27	903.94	829.72	2.1775	190	1.102 81	906.78	832.50	2.1716
1.116 03	896.04	848.45	2.2297	195	1.112 34	899.01	851.11	2.2235	195	1.108 75	901.92	853.81	2.2174
1.122 41	890.94	870.00	2.2755	200	1.118 58	893.99	872.57	2.2691	200	1.114 86	896.97	875.19	2.2628
1.135 78	880.46	913.34	2.3661	210	1.131 64	883.67	915.72	2.3593	210	1.127 63	886.82	918.16	2.3527
1.149 99	869.57	957.04	2.4556	220	1.145 50	872.98	959.21	2.4484	220	1.141 16	876.30	961.45	2.4414
1.165 14	858.27	1001.1	2.5442	230	1.160 24	861.89	1003.1	2.5364	230	1.155 53	865.41	1005.1	2.5289
1.181 31	846.52	1045.7	2.6318	240	1.175 95	850.38	1047.3	2.6236	240	1.170 80	854.12	1049.1	2.6156
1.198 63	834.29	1090.7	2.7187	250	1.192 72	838.42	1092.0	2.7099	250	1.187 07	842.41	1093.5	2.7013
1.217 23	821.54	1136.3	2.8050	260	1.210 68	825.98	1137.3	2.7955	260	1.204 44	830.26	1138.4	2.7864
1.237 27	808.23	1182.4	2.8908	270	1.229 97	813.03	1183.1	2.8806	270	1.223 05	817.63	1183.9	2.8708
1.258 95	794.31	1229.3	2.9764	280	1.250 76	799.51	1229.5	2.9653	280	1.243 03	804.48	1229.9	2.9547
1.282 52	779.72	1277.0	3.0618	290	1.273 25	785.39	1276.7	3.0498	290	1.264 57	790.78	1276.6	3.0383

Table 3. Compressed Water and Superheated Steam (continued)

40 MPa				t, °C	45 MPa				t, °C	50 MPa			
v	ρ	h	s		v	ρ	h	s		v	ρ	h	s
1.3083	764.36	1325.6	3.1473	300	1.2977	770.59	1324.6	3.1342	300	1.2879	776.48	1324.0	3.1218
1.3366	748.16	1375.3	3.2332	310	1.3244	755.04	1373.5	3.2188	310	1.3132	761.50	1372.2	3.2052
1.3680	730.98	1426.2	3.3198	320	1.3538	738.65	1423.5	3.3038	320	1.3409	745.79	1421.4	3.2888
1.4032	712.68	1478.5	3.4073	330	1.3864	721.30	1474.7	3.3894	330	1.3713	729.25	1471.6	3.3728
1.4429	693.06	1532.6	3.4962	340	1.4228	702.86	1527.4	3.4760	340	1.4049	711.78	1523.1	3.4575
1.4884	671.86	1588.8	3.5871	350	1.4638	683.14	1581.8	3.5640	350	1.4425	693.25	1576.1	3.5431
1.5415	648.73	1647.7	3.6808	360	1.5108	661.92	1638.3	3.6539	360	1.4848	673.51	1630.7	3.6301
1.6046	623.20	1709.9	3.7783	370	1.5652	638.91	1697.3	3.7464	370	1.5329	652.36	1687.4	3.7189
1.6819	594.56	1776.6	3.8813	380	1.6294	613.71	1759.6	3.8425	380	1.5884	629.57	1746.5	3.8101
1.7801	561.77	1849.6	3.9921	390	1.7071	585.80	1825.9	3.9433	390	1.6534	604.83	1808.6	3.9045
1.9108	523.34	1931.4	4.1145	400	1.8034	554.49	1897.7	4.0507	400	1.7307	577.79	1874.4	4.0029
2.0934	477.69	2025.5	4.2533	410	1.9267	519.03	1976.4	4.1667	410	1.8247	548.02	1944.7	4.1066
2.3601	423.72	2136.4	4.4144	420	2.0879	478.95	2063.7	4.2937	420	1.9409	515.23	2020.5	4.2168
2.7437	364.47	2264.5	4.5979	430	2.3016	434.49	2161.1	4.4331	430	2.0856	479.47	2102.5	4.3342
3.2092	311.60	2394.2	4.7810	440	2.5808	387.47	2267.9	4.5839	440	2.2660	441.31	2190.8	4.4589
3.6915	270.89	2511.8	4.9448	450	2.9154	343.00	2377.6	4.7367	450	2.4873	402.04	2284.7	4.5896
4.1480	241.08	2613.4	5.0844	460	3.2774	305.12	2482.7	4.8810	460	2.7454	364.24	2380.7	4.7215
4.5662	219.00	2700.8	5.2028	470	3.6415	274.61	2579.0	5.0115	470	3.0272	330.34	2474.8	4.8489
4.9479	202.11	2777.1	5.3048	480	3.9922	250.49	2665.5	5.1272	480	3.3186	301.33	2563.8	4.9680
5.2985	188.73	2845.0	5.3944	490	4.3229	231.32	2743.1	5.2295	490	3.6085	277.13	2646.5	5.0771
5.6231	177.84	2906.5	5.4744	500	4.6330	215.84	2813.2	5.3207	500	3.8900	257.07	2722.6	5.1762
6.2116	160.99	3015.1	5.6132	520	5.1978	192.39	2935.7	5.4773	520	4.4168	226.41	2857.0	5.3479
6.7388	148.39	3110.4	5.7319	540	5.7027	175.36	3041.5	5.6091	540	4.8947	204.30	2972.8	5.4920
7.2209	138.49	3196.5	5.8365	560	6.1620	162.29	3135.8	5.7236	560	5.3308	187.59	3075.0	5.6163
7.6685	130.40	3275.9	5.9307	580	6.5861	151.83	3221.7	5.8255	580	5.7331	174.43	3167.4	5.7259
8.0891	123.62	3350.4	6.0170	600	6.9825	143.22	3301.5	5.9179	600	6.1081	163.72	3252.5	5.8245
8.4878	117.82	3421.0	6.0970	620	7.3565	135.93	3376.5	6.0029	620	6.4610	154.78	3332.0	5.9145
8.8686	112.76	3488.7	6.1719	640	7.7122	129.66	3447.9	6.0820	640	6.7956	147.16	3407.2	5.9978
9.2344	108.29	3554.0	6.2427	660	8.0527	124.18	3516.4	6.1562	660	7.1149	140.55	3478.9	6.0755
9.5875	104.30	3617.4	6.3098	680	8.3802	119.33	3582.5	6.2263	680	7.4213	134.75	3547.9	6.1486
9.9297	100.71	3679.1	6.3740	700	8.6967	114.99	3648.8	6.2930	700	7.7166	129.59	3614.6	6.2178
10.263	97.442	3739.6	6.4355	720	9.0037	111.06	3709.4	6.3568	720	8.0025	124.96	3679.4	6.2838
10.587	94.454	3799.1	6.4948	740	9.3025	107.50	3770.8	6.4179	740	8.2801	120.77	3742.7	6.3469
10.905	91.705	3857.6	6.5520	760	9.5939	104.23	3831.1	6.4769	760	8.5504	116.95	3804.8	6.4076
11.216	89.162	3915.4	6.6074	780	9.8789	101.23	3890.5	6.5338	780	8.8143	113.45	3865.7	6.4660
11.521	86.799	3972.6	6.6612	800	10.158	98.443	3949.1	6.5889	800	9.0724	110.22	3925.8	6.5225
11.821	84.595	4029.3	6.7136	820	10.432	95.855	4007.1	6.6425	820	9.3255	107.23	3985.1	6.5773
12.117	82.531	4085.6	6.7646	840	10.702	93.441	4064.6	6.6946	840	9.5741	104.45	4043.8	6.6304
12.408	80.592	4141.5	6.8144	860	10.967	91.179	4121.6	6.7454	860	9.8185	101.85	4101.9	6.6822
12.696	78.765	4197.1	6.8630	880	11.229	89.054	4178.2	6.7949	880	10.059	99.412	4159.5	6.7326
12.980	77.040	4252.5	6.9106	900	11.487	87.052	4234.6	6.8433	900	10.296	97.121	4216.8	6.7819
13.261	75.407	4307.7	6.9573	920	11.743	85.161	4290.7	6.8907	920	10.531	94.962	4273.8	6.8300
13.540	73.857	4362.7	7.0030	940	11.995	83.369	4346.5	6.9372	940	10.762	92.921	4330.5	6.8772
13.815	72.383	4417.7	7.0480	960	12.244	81.669	4402.2	6.9827	960	10.991	90.987	4387.0	6.9233
14.089	70.979	4472.5	7.0921	980	12.492	80.053	4457.8	7.0274	980	11.217	89.151	4443.2	6.9686
14.360	69.640	4527.3	7.1355	1000	12.737	78.513	4513.3	7.0713	1000	11.441	87.405	4499.4	7.0131
15.686	63.750	4801.1	7.3425	1100	13.934	71.769	4789.9	7.2805	1100	12.534	79.785	4778.9	7.2244
16.976	58.907	5075.9	7.5357	1200	15.094	66.251	5066.9	7.4753	1200	13.590	73.583	5058.1	7.4207
18.239	54.827	5352.8	7.7175	1300	16.228	61.623	5345.6	7.6583	1300	14.620	68.399	5338.4	7.6048
19.482	51.330	5632.3	7.8897	1400	17.342	57.665	5626.5	7.8314	1400	15.631	63.977	5620.8	7.7788
20.709	48.288	5914.6	8.0536	1500	18.440	54.229	5910.0	7.9959	1500	16.626	60.147	5905.4	7.9440
21.925	45.611	6199.9	8.2101	1600	19.527	51.212	6196.2	8.1529	1600	17.609	56.788	6192.6	8.1015
24.328	41.105	6778.7	8.5037	1800	21.673	46.141	6776.6	8.4473	1800	19.549	51.153	6774.5	8.3967
26.705	37.446	7368.1	8.7750	2000	23.793	42.030	7367.1	8.7192	2000	21.464	46.590	7366.2	8.6691

Table 3. Compressed Water and Superheated Steam (continued)

60 MPa				t, °C	70 MPa				t, °C	80 MPa			
v	ρ	h	s		v	ρ	h	s		v	ρ	h	s
0.972 47	1028.30	58.58	-0.002 08	0	0.968 34	1032.69	67.93	-0.003 38	0	0.964 34	1036.98	77.18	-0.004 89
0.973 18	1027.56	78.60	0.070 53	5	0.969 16	1031.82	87.83	0.068 79	5	0.965 25	1036.00	96.96	0.066 86
0.974 11	1026.58	98.67	0.142 04	10	0.970 17	1030.75	107.78	0.139 90	10	0.966 34	1034.83	116.82	0.137 61
0.975 24	1025.39	118.78	0.212 46	15	0.971 37	1029.48	127.80	0.209 96	15	0.967 60	1033.48	136.73	0.207 33
0.976 54	1024.02	138.94	0.281 80	20	0.972 73	1028.03	147.85	0.278 97	20	0.969 02	1031.97	156.70	0.276 04
0.978 02	1022.48	159.13	0.350 09	25	0.974 25	1026.43	167.95	0.346 94	25	0.970 57	1030.32	176.72	0.343 73
0.979 65	1020.77	179.35	0.417 34	30	0.975 91	1024.69	188.08	0.413 91	30	0.972 26	1028.53	196.77	0.410 42
0.981 43	1018.92	199.59	0.483 59	35	0.977 71	1022.80	208.24	0.479 87	35	0.974 08	1026.61	216.85	0.476 13
0.983 34	1016.94	219.86	0.548 85	40	0.979 64	1020.79	228.43	0.544 87	40	0.976 02	1024.56	236.96	0.540 87
0.985 40	1014.82	240.16	0.613 14	45	0.981 69	1018.65	248.65	0.608 90	45	0.978 08	1022.41	257.10	0.604 67
0.987 58	1012.58	260.47	0.676 50	50	0.983 87	1016.39	268.88	0.672 01	50	0.980 26	1020.14	277.26	0.667 55
0.989 89	1010.22	280.81	0.738 94	55	0.986 17	1014.03	289.14	0.734 22	55	0.982 54	1017.77	297.44	0.729 52
0.992 32	1007.74	301.16	0.800 49	60	0.988 58	1011.55	309.41	0.795 53	60	0.984 94	1015.29	317.64	0.790 61
0.994 86	1005.16	321.53	0.861 17	65	0.991 10	1008.98	329.70	0.855 99	65	0.987 44	1012.72	337.86	0.850 85
0.997 53	1002.48	341.91	0.921 01	70	0.993 74	1006.30	350.01	0.915 60	70	0.990 05	1010.05	358.09	0.910 25
1.000 31	999.69	362.31	0.980 04	75	0.996 48	1003.53	370.33	0.974 40	75	0.992 76	1007.29	378.34	0.968 84
1.003 21	996.80	382.73	1.0383	80	0.999 34	1000.66	390.67	1.0324	80	0.995 57	1004.45	398.61	1.0266
1.006 21	993.82	403.16	1.0957	85	1.002 30	997.71	411.03	1.0896	85	0.998 49	1001.51	418.89	1.0837
1.009 33	990.75	423.61	1.1524	90	1.005 36	994.66	431.40	1.1461	90	1.001 51	998.50	439.18	1.1399
1.012 57	987.59	444.08	1.2084	95	1.008 54	991.54	451.78	1.2019	95	1.004 63	995.40	459.50	1.1955
1.015 91	984.34	464.56	1.2637	100	1.011 81	988.32	472.19	1.2569	100	1.007 84	992.22	479.82	1.2503
1.019 36	981.01	485.06	1.3182	105	1.015 20	985.03	492.61	1.3113	105	1.011 16	988.96	500.17	1.3045
1.022 92	977.59	505.59	1.3721	110	1.018 69	981.65	513.05	1.3650	110	1.014 58	985.63	520.53	1.3580
1.026 60	974.09	526.13	1.4254	115	1.022 28	978.20	533.51	1.4180	115	1.018 10	982.22	540.91	1.4108
1.030 39	970.51	546.70	1.4781	120	1.025 99	974.67	553.99	1.4705	120	1.021 73	978.73	561.31	1.4630
1.034 29	966.85	567.29	1.5301	125	1.029 80	971.07	574.50	1.5223	125	1.025 45	975.18	581.73	1.5147
1.038 30	963.11	587.91	1.5816	130	1.033 71	967.39	595.03	1.5735	130	1.029 28	971.55	602.18	1.5657
1.042 43	959.29	608.56	1.6325	135	1.037 74	963.63	615.58	1.6242	135	1.033 21	967.86	622.65	1.6162
1.046 68	955.40	629.24	1.6828	140	1.041 88	959.80	636.17	1.6743	140	1.037 25	964.09	643.14	1.6661
1.051 05	951.43	649.95	1.7327	145	1.046 13	955.90	656.78	1.7239	145	1.041 39	960.25	663.66	1.7154
1.055 54	947.38	670.69	1.7820	150	1.050 50	951.93	677.43	1.7730	150	1.045 64	956.35	684.21	1.7643
1.060 15	943.26	691.47	1.8308	155	1.054 98	947.89	698.10	1.8216	155	1.050 00	952.38	704.80	1.8126
1.064 89	939.06	712.29	1.8792	160	1.059 58	943.77	718.82	1.8697	160	1.054 47	948.34	725.41	1.8605
1.069 76	934.79	733.16	1.9270	165	1.064 30	939.59	739.57	1.9173	165	1.059 06	944.24	746.06	1.9079
1.074 76	930.44	754.06	1.9745	170	1.069 14	935.33	760.36	1.9645	170	1.063 76	940.06	766.74	1.9549
1.079 89	926.02	775.01	2.0215	175	1.074 11	931.00	781.19	2.0113	175	1.068 58	935.82	787.47	2.0014
1.085 17	921.52	796.01	2.0681	180	1.079 21	926.60	802.07	2.0576	180	1.073 52	931.52	808.23	2.0474
1.090 58	916.94	817.06	2.1143	185	1.084 44	922.13	823.00	2.1035	185	1.078 58	927.14	829.04	2.0931
1.096 15	912.29	838.17	2.1601	190	1.089 81	917.59	843.97	2.1490	190	1.083 77	922.70	849.89	2.1384
1.101 86	907.56	859.33	2.2056	195	1.095 32	912.97	864.99	2.1942	195	1.089 09	918.20	870.78	2.1832
1.107 73	902.74	880.55	2.2507	200	1.100 97	908.29	886.07	2.2390	200	1.094 54	913.62	891.73	2.2277
1.119 97	892.88	923.19	2.3398	210	1.112 73	898.69	928.40	2.3275	210	1.105 87	904.27	933.78	2.3157
1.132 89	882.69	966.10	2.4277	220	1.125 12	888.80	970.98	2.4147	220	1.117 77	894.64	976.05	2.4023
1.146 57	872.17	1009.3	2.5145	230	1.138 19	878.59	1013.8	2.5008	230	1.130 30	884.72	1018.6	2.4876
1.161 06	861.28	1052.9	2.6002	240	1.151 99	868.06	1057.0	2.5857	240	1.143 49	874.52	1061.4	2.5718
1.176 43	850.03	1096.8	2.6850	250	1.166 58	857.21	1100.5	2.6696	250	1.157 39	864.01	1104.4	2.6550
1.192 77	838.38	1141.1	2.7690	260	1.182 03	846.00	1144.3	2.7526	260	1.172 07	853.19	1147.8	2.7371
1.210 18	826.32	1185.9	2.8522	270	1.198 41	834.44	1188.5	2.8348	270	1.187 57	842.06	1191.5	2.8184
1.228 76	813.83	1231.2	2.9348	280	1.215 82	822.49	1233.2	2.9162	280	1.203 97	830.58	1235.6	2.8988
1.248 66	800.86	1277.0	3.0169	290	1.234 36	810.14	1278.3	2.9970	290	1.221 36	818.76	1280.1	2.9785

Table 3. Compressed Water and Superheated Steam (continued)

60 MPa				t, °C	70 MPa				t, °C	80 MPa			
v	ρ	h	s		v	ρ	h	s		v	ρ	h	s
1.2700	787.39	1323.5	3.0986	300	1.2541	797.36	1323.9	3.0773	300	1.2398	806.57	1325.1	3.0576
1.2930	773.38	1370.6	3.1801	310	1.2753	784.13	1370.1	3.1572	310	1.2595	793.99	1370.5	3.1362
1.3179	758.78	1418.4	3.2615	320	1.2980	770.42	1416.9	3.2368	320	1.2804	781.01	1416.4	3.2142
1.3449	743.54	1467.1	3.3429	330	1.3224	756.19	1464.3	3.3162	330	1.3028	767.60	1462.9	3.2919
1.3744	727.60	1516.8	3.4245	340	1.3488	741.41	1512.6	3.3954	340	1.3267	753.73	1510.0	3.3694
1.4067	710.88	1567.5	3.5065	350	1.3774	726.03	1561.6	3.4748	350	1.3525	739.39	1557.7	3.4466
1.4423	693.31	1619.4	3.5892	360	1.4084	710.01	1611.6	3.5543	360	1.3802	724.54	1606.2	3.5238
1.4819	674.80	1672.7	3.6727	370	1.4424	693.29	1662.6	3.6342	370	1.4101	709.16	1655.5	3.6010
1.5262	655.22	1727.6	3.7574	380	1.4797	675.83	1714.7	3.7147	380	1.4426	693.21	1705.6	3.6784
1.5761	634.47	1784.3	3.8436	390	1.5208	657.55	1768.1	3.7958	390	1.4778	676.66	1756.7	3.7560
1.6329	612.42	1843.2	3.9317	400	1.5664	638.41	1822.9	3.8779	400	1.5163	659.49	1808.8	3.8340
1.6981	588.91	1904.5	4.0221	410	1.6172	618.35	1879.3	3.9610	410	1.5584	641.66	1862.0	3.9125
1.7736	563.83	1968.6	4.1153	420	1.6741	597.32	1937.5	4.0455	420	1.6047	623.17	1916.5	3.9916
1.8618	537.13	2035.9	4.2116	430	1.7382	575.30	1997.5	4.1315	430	1.6556	604.01	1972.2	4.0714
1.9650	508.91	2106.4	4.3112	440	1.8106	552.30	2059.6	4.2192	440	1.7118	584.18	2029.3	4.1520
2.0855	479.51	2180.2	4.4140	450	1.8924	528.42	2123.7	4.3084	450	1.7739	563.74	2087.8	4.2335
2.2249	449.46	2256.8	4.5191	460	1.9846	503.89	2189.7	4.3991	460	1.8424	542.77	2147.6	4.3156
2.3839	419.48	2335.5	4.6257	470	2.0877	478.99	2257.5	4.4909	470	1.9179	521.40	2208.7	4.3984
2.5610	390.48	2415.0	4.7320	480	2.2022	454.10	2326.4	4.5831	480	2.0006	499.84	2270.9	4.4815
2.7521	363.36	2493.7	4.8358	490	2.3277	429.62	2396.2	4.6751	490	2.0907	478.30	2333.9	4.5647
2.9522	338.73	2570.3	4.9356	500	2.4632	405.97	2466.1	4.7660	500	2.1880	457.04	2397.4	4.6473
3.3617	297.47	2713.9	5.1189	520	2.7572	362.69	2603.3	4.9412	520	2.4024	416.25	2524.6	4.8097
3.7624	265.79	2842.7	5.2794	540	3.0673	326.02	2733.3	5.1032	540	2.6376	379.14	2649.3	4.9650
4.1422	241.42	2957.9	5.4193	560	3.3790	295.95	2854.0	5.2499	560	2.8846	346.66	2768.9	5.1104
4.4986	222.29	3061.8	5.5426	580	3.6829	271.52	2965.1	5.3816	580	3.1354	318.94	2882.0	5.2445
4.8330	206.91	3156.8	5.6527	600	3.9749	251.58	3067.4	5.5002	600	3.3838	295.53	2988.1	5.3674
5.1482	194.24	3244.8	5.7524	620	4.2538	235.09	3162.3	5.6077	620	3.6262	275.77	3087.5	5.4800
5.4468	183.59	3327.2	5.8437	640	4.5198	221.25	3251.1	5.7060	640	3.8609	259.01	3180.8	5.5834
5.7312	174.48	3405.3	5.9282	660	4.7742	209.46	3334.8	5.7966	660	4.0874	244.66	3269.0	5.6789
6.0033	166.57	3479.7	6.0071	680	5.0179	199.29	3414.3	5.8809	680	4.3058	232.25	3352.8	5.7677
6.2649	159.62	3551.3	6.0814	700	5.2523	190.39	3490.3	5.9599	700	4.5165	221.41	3432.7	5.8507
6.5174	153.44	3620.4	6.1518	720	5.4784	182.53	3563.5	6.0343	720	4.7202	211.85	3509.5	5.9288
6.7618	147.89	3687.5	6.2187	740	5.6971	175.53	3634.3	6.1049	740	4.9175	203.36	3583.6	6.0027
6.9992	142.87	3753.0	6.2827	760	5.9093	169.23	3703.0	6.1721	760	5.1089	195.73	3655.3	6.0728
7.2304	138.31	3817.1	6.3441	780	6.1156	163.52	3770.1	6.2364	780	5.2951	188.85	3725.1	6.1397
7.4560	134.12	3880.0	6.4033	800	6.3167	158.31	3835.7	6.2981	800	5.4765	182.60	3793.3	6.2038
7.6766	130.27	3941.9	6.4604	820	6.5130	153.54	3900.1	6.3576	820	5.6536	176.88	3860.0	6.2654
7.8928	126.70	4002.9	6.5158	840	6.7052	149.14	3963.4	6.4150	840	5.8267	171.62	3925.4	6.3248
8.1050	123.38	4063.2	6.5694	860	6.8935	145.06	4025.8	6.4705	860	5.9963	166.77	3989.8	6.3821
8.3136	120.29	4122.9	6.6217	880	7.0783	141.28	4087.4	6.5244	880	6.1625	162.27	4053.3	6.4376
8.5188	117.39	4182.0	6.6725	900	7.2599	137.74	4148.3	6.5768	900	6.3258	158.08	4115.9	6.4915
8.7210	114.67	4240.7	6.7221	920	7.4387	134.43	4208.7	6.6279	920	6.4864	154.17	4177.9	6.5439
8.9204	112.10	4299.0	6.7706	940	7.6148	131.32	4268.6	6.6776	940	6.6444	150.50	4239.3	6.5949
9.1173	109.68	4357.0	6.8180	960	7.7884	128.40	4328.0	6.7262	960	6.8001	147.06	4300.1	6.6446
9.3119	107.39	4414.7	6.8644	980	7.9598	125.63	4387.1	6.7737	980	6.9537	143.81	4360.5	6.6932
9.5043	105.22	4472.2	6.9099	1000	8.1291	123.01	4445.9	6.8203	1000	7.1053	140.74	4420.5	6.7407
10.439	95.794	4757.3	7.1255	1100	8.9494	111.74	4736.4	7.0399	1100	7.8381	127.58	4716.2	6.9643
11.339	88.195	5040.8	7.3248	1200	9.7356	102.72	5024.0	7.2421	1200	8.5381	117.12	5007.9	7.1693
12.212	81.884	5324.5	7.5111	1300	10.497	95.266	5311.1	7.4307	1300	9.2143	108.53	5298.1	7.3600
13.067	76.528	5609.6	7.6868	1400	11.240	88.970	5598.8	7.6080	1400	9.8724	101.29	5588.4	7.5389
13.907	71.906	5896.5	7.8533	1500	11.968	83.556	5887.9	7.7758	1500	10.517	95.087	5879.7	7.7080
14.735	67.864	6185.6	8.0119	1600	12.685	78.832	6178.9	7.9354	1600	11.150	89.687	6172.5	7.8686
16.366	61.103	6770.5	8.3086	1800	14.094	70.953	6766.7	8.2336	1800	12.392	80.698	6763.2	8.1682
17.971	55.644	7364.4	8.5820	2000	15.478	64.606	7362.8	8.5081	2000	13.610	73.475	7361.4	8.4436

Table 3. Compressed Water and Superheated Steam (continued)

90 MPa				$t, ^\circ\text{C}$	100 MPa				$t, ^\circ\text{C}$	120 MPa			
v	ρ	h	s		v	ρ	h	s		v	ρ	h	s
0.960 45	1041.17	86.34	-0.006 61	0	0.956 68	1045.28	95.40	-0.008 51	0	0.949 47	1053.22	113.29	-0.012 82
0.961 45	1040.09	106.01	0.064 77	5	0.957 76	1044.10	114.99	0.062 52	5	0.950 69	1051.87	132.70	0.057 61
0.962 62	1038.83	125.78	0.135 18	10	0.959 00	1042.75	134.66	0.132 63	10	0.952 04	1050.37	152.22	0.127 17
0.963 94	1037.41	145.60	0.204 60	15	0.960 37	1041.26	154.41	0.201 76	15	0.953 52	1048.75	171.83	0.195 81
0.965 40	1035.84	165.49	0.273 02	20	0.961 88	1039.63	174.22	0.269 92	20	0.955 11	1047.00	191.51	0.263 50
0.967 00	1034.13	185.42	0.340 45	25	0.963 51	1037.87	194.08	0.337 10	25	0.956 80	1045.15	211.24	0.330 24
0.968 71	1032.30	205.40	0.406 88	30	0.965 25	1036.00	213.98	0.403 31	30	0.958 59	1043.20	231.01	0.396 02
0.970 55	1030.34	225.41	0.472 35	35	0.967 11	1034.01	233.92	0.468 55	35	0.960 47	1041.15	250.83	0.460 86
0.972 50	1028.27	245.45	0.536 86	40	0.969 07	1031.92	253.90	0.532 84	40	0.962 45	1039.01	270.68	0.524 76
0.974 57	1026.10	265.51	0.600 44	45	0.971 14	1029.72	273.90	0.596 20	45	0.964 53	1036.78	290.56	0.587 73
0.976 74	1023.82	285.61	0.663 09	50	0.973 30	1027.43	293.92	0.658 65	50	0.966 69	1034.46	310.46	0.649 80
0.979 01	1021.44	305.72	0.724 85	55	0.975 57	1025.04	313.97	0.720 21	55	0.968 94	1032.06	330.39	0.710 99
0.981 39	1018.96	325.85	0.785 74	60	0.977 94	1022.56	334.03	0.780 89	60	0.971 27	1029.58	350.33	0.771 31
0.983 87	1016.39	346.00	0.845 77	65	0.980 40	1020.00	354.11	0.840 73	65	0.973 70	1027.01	370.29	0.830 78
0.986 45	1013.73	366.16	0.904 96	70	0.982 95	1017.34	374.21	0.899 73	70	0.976 21	1024.37	390.27	0.889 42
0.989 13	1010.99	386.34	0.963 35	75	0.985 60	1014.61	394.33	0.957 92	75	0.978 80	1021.66	410.26	0.947 26
0.991 91	1008.15	406.54	1.020 9	80	0.988 35	1011.79	414.45	1.015 3	80	0.981 48	1018.87	430.26	1.004 3
0.994 79	1005.24	426.75	1.077 8	85	0.991 18	1008.90	434.60	1.072 0	85	0.984 25	1016.01	450.28	1.060 6
0.997 76	1002.25	446.97	1.133 8	90	0.994 11	1005.93	454.75	1.127 9	90	0.987 09	1013.08	470.31	1.116 1
1.000 82	999.18	467.21	1.189 2	95	0.997 13	1002.88	474.92	1.183 0	95	0.990 02	1010.08	490.35	1.170 9
1.003 99	996.03	487.46	1.243 8	100	1.000 24	999.76	495.11	1.237 5	100	0.993 04	1007.01	510.41	1.225 1
1.007 25	992.81	507.73	1.297 8	105	1.003 44	996.57	515.31	1.291 3	105	0.996 14	1003.88	530.47	1.278 5
1.010 60	989.51	528.02	1.351 1	110	1.006 73	993.31	535.53	1.344 4	110	0.999 32	1000.68	550.56	1.331 2
1.014 05	986.14	548.33	1.403 8	115	1.010 12	989.98	555.76	1.396 8	115	1.002 59	997.42	570.65	1.383 3
1.017 60	982.70	568.65	1.455 8	120	1.013 60	986.58	576.01	1.448 7	120	1.005 94	994.10	590.77	1.434 8
1.021 25	979.20	588.99	1.507 2	125	1.017 17	983.12	596.27	1.499 9	125	1.009 37	990.72	610.89	1.485 7
1.024 99	975.62	609.36	1.558 0	130	1.020 83	979.59	616.56	1.550 5	130	1.012 89	987.28	631.04	1.536 0
1.028 83	971.98	629.74	1.608 3	135	1.024 59	976.00	636.87	1.600 6	135	1.016 49	983.77	651.20	1.585 7
1.032 77	968.27	650.15	1.658 0	140	1.028 44	972.34	657.20	1.650 1	140	1.020 18	980.22	671.38	1.634 8
1.036 81	964.49	670.59	1.707 1	145	1.032 39	968.63	677.55	1.699 1	145	1.023 96	976.60	691.58	1.683 4
1.040 96	960.65	691.05	1.755 8	150	1.036 43	964.85	697.93	1.747 5	150	1.027 83	972.93	711.80	1.731 5
1.045 21	956.75	711.54	1.803 9	155	1.040 58	961.00	718.33	1.795 4	155	1.031 78	969.20	732.05	1.779 1
1.049 56	952.78	732.06	1.851 6	160	1.044 82	957.10	738.76	1.842 9	160	1.035 82	965.42	752.31	1.826 1
1.054 02	948.75	752.61	1.898 8	165	1.049 16	953.14	759.23	1.889 8	165	1.039 96	961.58	772.61	1.872 7
1.058 59	944.66	773.20	1.945 5	170	1.053 61	949.12	779.72	1.936 4	170	1.044 18	957.69	792.92	1.918 8
1.063 27	940.50	793.82	1.991 7	175	1.058 16	945.04	800.24	1.982 4	175	1.048 50	953.74	813.27	1.964 5
1.068 06	936.28	814.47	2.037 6	180	1.062 82	940.90	820.80	2.028 0	180	1.052 92	949.74	833.64	2.009 7
1.072 97	931.99	835.17	2.083 0	185	1.067 58	936.70	841.39	2.073 2	185	1.057 43	945.69	854.05	2.054 5
1.077 99	927.65	855.91	2.128 0	190	1.072 46	932.44	862.02	2.118 0	190	1.062 04	941.59	874.48	2.098 8
1.083 14	923.24	876.69	2.172 6	195	1.077 45	928.12	882.69	2.162 4	195	1.066 75	937.43	894.95	2.142 8
1.088 41	918.77	897.51	2.216 9	200	1.082 56	923.74	903.40	2.206 4	200	1.071 56	933.22	915.46	2.186 3
1.099 34	909.63	939.30	2.304 3	210	1.093 13	914.81	944.94	2.293 3	210	1.081 49	924.65	956.57	2.272 3
1.110 81	900.24	981.29	2.390 3	220	1.104 20	905.64	986.68	2.378 8	220	1.091 86	915.86	997.83	2.356 9
1.122 85	890.59	1023.5	2.475 0	230	1.115 79	896.22	1028.6	2.462 9	230	1.102 69	906.87	1039.3	2.440 0
1.135 50	880.67	1066.0	2.558 6	240	1.127 95	886.57	1070.8	2.545 9	240	1.113 99	897.67	1080.9	2.521 9
1.148 79	870.48	1108.7	2.641 0	250	1.140 69	876.66	1113.1	2.627 7	250	1.125 80	888.26	1122.7	2.602 6
1.162 78	860.01	1151.6	2.722 4	260	1.154 07	866.50	1155.8	2.708 4	260	1.138 14	878.63	1164.7	2.682 1
1.177 51	849.25	1194.9	2.802 8	270	1.168 12	856.08	1198.6	2.788 1	270	1.151 04	868.78	1206.9	2.760 5
1.193 04	838.19	1238.5	2.882 4	280	1.182 89	845.39	1241.8	2.866 9	280	1.164 53	858.72	1249.3	2.838 0
1.209 44	826.83	1282.5	2.961 2	290	1.198 44	834.42	1285.3	2.944 8	290	1.178 65	848.43	1292.0	2.914 4

Table 3. Compressed Water and Superheated Steam (continued)

90 MPa				t, °C	100 MPa				t, °C	120 MPa			
v	ρ	h	s		v	ρ	h	s		v	ρ	h	s
1.2268	815.14	1326.8	3.0392	300	1.2148	823.17	1329.1	3.0219	300	1.1934	837.91	1334.9	2.9900
1.2451	803.12	1371.6	3.1166	310	1.2321	811.63	1373.3	3.0983	310	1.2090	827.16	1378.1	3.0647
1.2646	790.75	1416.8	3.1934	320	1.2503	799.79	1417.8	3.1740	320	1.2252	816.18	1421.6	3.1387
1.2853	778.02	1462.4	3.2697	330	1.2696	787.63	1462.8	3.2492	330	1.2423	804.95	1465.4	3.2119
1.3074	764.90	1508.6	3.3456	340	1.2901	775.15	1508.2	3.3238	340	1.2603	793.48	1509.5	3.2845
1.3308	751.40	1555.3	3.4212	350	1.3118	762.34	1554.0	3.3979	350	1.2792	781.77	1554.0	3.3564
1.3560	737.48	1602.6	3.4965	360	1.3348	749.18	1600.3	3.4717	360	1.2990	769.80	1598.8	3.4277
1.3829	723.14	1650.5	3.5716	370	1.3593	735.67	1647.1	3.5451	370	1.3200	757.57	1644.0	3.4985
1.4117	708.34	1699.1	3.6466	380	1.3854	721.80	1694.5	3.6182	380	1.3421	745.09	1689.5	3.5688
1.4428	693.08	1748.5	3.7216	390	1.4133	707.56	1742.5	3.6911	390	1.3655	732.35	1735.5	3.6386
1.4763	677.35	1798.6	3.7966	400	1.4431	692.93	1791.1	3.7639	400	1.3901	719.35	1781.9	3.7081
1.5126	661.13	1849.6	3.8718	410	1.4751	677.92	1840.4	3.8365	410	1.4162	706.10	1828.7	3.7771
1.5518	644.41	1901.5	3.9472	420	1.5094	662.53	1890.4	3.9091	420	1.4439	692.59	1876.0	3.8458
1.5944	627.20	1954.3	4.0228	430	1.5462	646.77	1941.1	3.9818	430	1.4731	678.84	1923.8	3.9142
1.6407	609.51	2008.1	4.0988	440	1.5857	630.63	1992.5	4.0544	440	1.5041	664.85	1972.0	3.9823
1.6910	591.38	2062.9	4.1751	450	1.6282	614.16	2044.7	4.1271	450	1.5370	650.64	2020.7	4.0502
1.7457	572.83	2118.7	4.2517	460	1.6740	597.37	2097.7	4.1998	460	1.5718	636.23	2069.9	4.1177
1.8052	553.96	2175.4	4.3286	470	1.7232	580.32	2151.4	4.2725	470	1.6086	621.65	2119.6	4.1850
1.8696	534.86	2233.0	4.4056	480	1.7760	563.06	2205.7	4.3452	480	1.6477	606.92	2169.7	4.2520
1.9392	515.67	2291.4	4.4826	490	1.8326	545.68	2260.7	4.4177	490	1.6890	592.08	2220.2	4.3186
2.0140	496.53	2350.3	4.5592	500	1.8930	528.28	2316.2	4.4900	500	1.7325	577.19	2271.0	4.3848
2.1784	459.05	2468.8	4.7106	520	2.0251	493.80	2428.1	4.6329	520	1.8267	547.42	2373.7	4.5159
2.3607	423.60	2586.9	4.8576	540	2.1715	460.51	2540.2	4.7724	540	1.9302	518.08	2476.9	4.6444
2.5567	391.13	2702.5	4.9981	560	2.3301	429.16	2651.2	4.9073	560	2.0423	489.65	2580.0	4.7697
2.7612	362.16	2814.1	5.1304	580	2.4982	400.29	2759.8	5.0361	580	2.1619	462.55	2682.2	4.8909
2.9693	336.78	2920.7	5.2540	600	2.6723	374.21	2865.1	5.1581	600	2.2879	437.09	2782.9	5.0076
3.1770	314.76	3022.0	5.3687	620	2.8494	350.95	2966.4	5.2728	620	2.4185	413.47	2881.5	5.1192
3.3818	295.70	3118.1	5.4751	640	3.0269	330.38	3063.5	5.3803	640	2.5524	391.78	2977.5	5.2255
3.5820	279.17	3209.3	5.5740	660	3.2028	312.23	3156.4	5.4810	660	2.6881	372.01	3070.7	5.3265
3.7769	264.77	3296.2	5.6661	680	3.3760	296.21	3245.3	5.5753	680	2.8243	354.07	3161.0	5.4222
3.9662	252.13	3379.3	5.7524	700	3.5456	282.04	3330.7	5.6639	700	2.9600	337.84	3248.4	5.5130
4.1500	240.96	3459.1	5.8335	720	3.7114	269.44	3412.7	5.7474	720	3.0946	323.15	3333.0	5.5991
4.3286	231.02	3535.9	5.9102	740	3.8732	258.18	3491.9	5.8263	740	3.2275	309.84	3415.1	5.6809
4.5022	222.11	3610.4	5.9829	760	4.0311	248.07	3568.5	5.9012	760	3.3584	297.76	3494.7	5.7587
4.6713	214.07	3682.6	6.0522	780	4.1852	238.94	3642.8	5.9725	780	3.4871	286.77	3572.1	5.8329
4.8362	206.77	3753.0	6.1184	800	4.3358	230.64	3715.3	6.0406	800	3.6136	276.73	3647.6	5.9039
4.9972	200.11	3821.9	6.1820	820	4.4829	223.07	3786.0	6.1059	820	3.7378	267.54	3721.3	5.9720
5.1546	194.00	3889.3	6.2431	840	4.6270	216.12	3855.2	6.1686	840	3.8598	259.08	3793.4	6.0373
5.3088	188.37	3955.5	6.3021	860	4.7681	209.73	3923.1	6.2291	860	3.9796	251.28	3864.1	6.1003
5.4599	183.15	4020.7	6.3591	880	4.9065	203.81	3989.9	6.2875	880	4.0974	244.06	3933.5	6.1610
5.6083	178.31	4085.0	6.4144	900	5.0424	198.32	4055.6	6.3440	900	4.2132	237.35	4001.8	6.2197
5.7542	173.79	4148.5	6.4680	920	5.1760	193.20	4120.5	6.3988	920	4.3271	231.10	4069.0	6.2766
5.8976	169.56	4211.2	6.5202	940	5.3074	188.42	4184.5	6.4521	940	4.4392	225.26	4135.4	6.3317
6.0390	165.59	4273.4	6.5710	960	5.4368	183.93	4247.9	6.5039	960	4.5497	219.79	4201.0	6.3854
6.1782	161.86	4335.0	6.6206	980	5.5642	179.72	4310.7	6.5545	980	4.6586	214.66	4265.9	6.4375
6.3157	158.34	4396.2	6.6690	1000	5.6900	175.75	4373.0	6.6038	1000	4.7660	209.82	4330.1	6.4884
6.9789	143.29	4696.9	6.8964	1100	6.2963	158.82	4678.4	6.8347	1100	5.2837	189.26	4644.1	6.7258
7.6110	131.39	4992.4	7.1042	1200	6.8730	145.50	4977.6	7.0450	1200	5.7752	173.15	4950.0	6.9409
8.2201	121.65	5285.7	7.2968	1300	7.4278	134.63	5273.8	7.2396	1300	6.2470	160.08	5251.8	7.1391
8.8119	113.48	5578.5	7.4773	1400	7.9660	125.53	5569.1	7.4216	1400	6.7037	149.17	5551.6	7.3239
9.3902	106.49	5871.9	7.6476	1500	8.4913	117.77	5864.4	7.5930	1500	7.1484	139.89	5850.7	7.4975
9.9580	100.42	6166.4	7.8091	1600	9.0064	111.03	6160.6	7.7555	1600	7.5836	131.86	6150.1	7.6618
11.070	90.337	6759.9	8.1101	1800	10.013	99.867	6756.8	8.0579	1800	8.4325	118.59	6751.4	7.9668
12.158	82.249	7360.2	8.3865	2000	10.998	90.926	7359.2	8.3352	2000	9.2603	107.99	7357.7	8.2459

Table 3. Compressed Water and Superheated Steam (continued)

140 MPa				$t, ^\circ\text{C}$	160 MPa				$t, ^\circ\text{C}$	180 MPa			
v	ρ	h	s		v	ρ	h	s		v	ρ	h	s
0.942 65	1060.84	130.88	-0.017 68	0	0.936 20	1068.15	148.21	-0.023 02	0	0.930 08	1075.18	165.31	-0.028 74
0.943 99	1059.33	150.15	0.052 22	5	0.937 64	1066.51	167.35	0.046 42	5	0.931 60	1073.42	184.34	0.040 29
0.945 45	1057.70	169.54	0.121 31	10	0.939 18	1064.76	186.63	0.115 11	10	0.933 21	1071.57	203.52	0.108 63
0.947 01	1055.96	189.02	0.189 52	15	0.940 81	1062.92	206.01	0.182 96	15	0.934 90	1069.63	222.81	0.176 16
0.948 66	1054.12	208.58	0.256 82	20	0.942 52	1060.99	225.47	0.249 91	20	0.936 66	1067.62	242.18	0.242 82
0.950 40	1052.18	228.20	0.323 18	25	0.944 31	1058.98	244.99	0.315 95	25	0.938 49	1065.55	261.62	0.308 57
0.952 23	1050.16	247.87	0.388 60	30	0.946 17	1056.89	264.57	0.381 05	30	0.940 38	1063.40	281.11	0.373 41
0.954 15	1048.06	267.58	0.453 08	35	0.948 11	1054.73	284.18	0.445 23	35	0.942 33	1061.20	300.64	0.437 31
0.956 14	1045.87	287.32	0.516 63	40	0.950 12	1052.50	303.83	0.508 47	40	0.944 35	1058.93	320.21	0.500 29
0.958 22	1043.60	307.09	0.579 27	45	0.952 19	1050.21	323.50	0.570 81	45	0.946 43	1056.60	339.80	0.562 36
0.960 37	1041.26	326.89	0.641 00	50	0.954 34	1047.84	343.20	0.632 24	50	0.948 57	1054.22	359.42	0.623 53
0.962 61	1038.84	346.70	0.701 86	55	0.956 56	1045.41	362.92	0.692 80	55	0.950 78	1051.77	379.05	0.683 82
0.964 92	1036.35	366.54	0.761 84	60	0.958 85	1042.91	382.66	0.752 49	60	0.953 04	1049.27	398.70	0.743 24
0.967 31	1033.79	386.39	0.820 99	65	0.961 21	1040.35	402.41	0.811 34	65	0.955 38	1046.71	418.36	0.801 82
0.969 78	1031.16	406.25	0.879 30	70	0.963 64	1037.73	422.18	0.869 36	70	0.957 77	1044.09	438.03	0.859 58
0.972 33	1028.46	426.13	0.936 82	75	0.966 14	1035.04	441.95	0.926 58	75	0.960 23	1041.42	457.72	0.916 53
0.974 95	1025.70	446.02	0.993 54	80	0.968 71	1032.30	461.74	0.983 01	80	0.962 75	1038.69	477.41	0.972 69
0.977 65	1022.86	465.93	1.0495	85	0.971 35	1029.49	481.54	1.0387	85	0.965 34	1035.90	497.11	1.0281
0.980 42	1019.97	485.84	1.1047	90	0.974 06	1026.63	501.35	1.0936	90	0.967 99	1033.07	516.83	1.0828
0.983 27	1017.01	505.77	1.1592	95	0.976 85	1023.70	521.17	1.1478	95	0.970 71	1030.18	536.55	1.1367
0.986 20	1013.99	525.70	1.2130	100	0.979 70	1020.72	540.99	1.2013	100	0.973 49	1027.23	556.27	1.1899
0.989 21	1010.91	545.65	1.2661	105	0.982 62	1017.69	560.83	1.2541	105	0.976 33	1024.24	576.01	1.2424
0.992 29	1007.77	565.61	1.3186	110	0.985 61	1014.60	580.68	1.3063	110	0.979 24	1021.20	595.75	1.2943
0.995 45	1004.57	585.58	1.3703	115	0.988 67	1011.46	600.54	1.3578	115	0.982 22	1018.10	615.51	1.3455
0.998 69	1001.32	605.57	1.4215	120	0.991 81	1008.26	620.41	1.4086	120	0.985 26	1014.96	635.27	1.3961
1.002 00	998.00	625.57	1.4721	125	0.995 01	1005.01	640.29	1.4589	125	0.988 37	1011.77	655.05	1.4461
1.005 39	994.64	645.58	1.5220	130	0.998 29	1001.72	660.19	1.5085	130	0.991 54	1008.53	674.83	1.4955
1.008 86	991.22	665.61	1.5714	135	1.001 64	998.37	680.09	1.5576	135	0.994 78	1005.25	694.63	1.5443
1.012 41	987.75	685.66	1.6202	140	1.005 06	994.97	700.01	1.6061	140	0.998 08	1001.92	714.43	1.5925
1.016 03	984.22	705.72	1.6685	145	1.008 55	991.52	719.95	1.6541	145	1.001 45	998.55	734.25	1.6402
1.019 74	980.64	725.80	1.7162	150	1.012 11	988.03	739.90	1.7015	150	1.004 89	995.13	754.09	1.6874
1.023 53	977.01	745.90	1.7634	155	1.015 75	984.49	759.87	1.7484	155	1.008 40	991.67	773.93	1.7340
1.027 40	973.34	766.02	1.8101	160	1.019 46	980.91	779.86	1.7948	160	1.011 97	988.17	793.80	1.7801
1.031 35	969.61	786.16	1.8564	165	1.023 25	977.28	799.86	1.8407	165	1.015 62	984.62	813.67	1.8257
1.035 38	965.83	806.32	1.9021	170	1.027 12	973.60	819.88	1.8862	170	1.019 33	981.04	833.57	1.8709
1.039 50	962.00	826.51	1.9474	175	1.031 06	969.88	839.92	1.9312	175	1.023 11	977.41	853.48	1.9156
1.043 70	958.13	846.72	1.9923	180	1.035 07	966.12	859.99	1.9757	180	1.026 96	973.75	873.41	1.9598
1.047 99	954.21	866.96	2.0367	185	1.039 17	962.31	880.07	2.0198	185	1.030 89	970.04	893.36	2.0036
1.052 37	950.24	887.22	2.0807	190	1.043 34	958.46	900.18	2.0634	190	1.034 88	966.29	913.33	2.0469
1.056 83	946.22	907.51	2.1243	195	1.047 60	954.56	920.31	2.1067	195	1.038 95	962.51	933.32	2.0899
1.061 39	942.16	927.83	2.1674	200	1.051 93	950.63	940.47	2.1495	200	1.043 09	958.69	953.33	2.1324
1.070 78	933.90	968.56	2.2526	210	1.060 86	942.64	980.86	2.2340	210	1.051 60	950.93	993.41	2.2162
1.080 56	925.45	1009.4	2.3363	220	1.070 12	934.48	1021.4	2.3169	220	1.060 41	943.03	1033.6	2.2985
1.090 74	916.81	1050.4	2.4186	230	1.079 74	926.15	1062.0	2.3985	230	1.069 54	934.98	1073.9	2.3794
1.101 33	908.00	1091.6	2.4996	240	1.089 72	917.67	1102.7	2.4786	240	1.079 00	926.78	1114.2	2.4588
1.112 35	899.00	1132.9	2.5793	250	1.100 08	909.02	1143.6	2.5575	250	1.088 79	918.45	1154.7	2.5370
1.123 83	889.81	1174.3	2.6578	260	1.110 84	900.22	1184.6	2.6352	260	1.098 94	909.97	1195.3	2.6139
1.135 79	880.45	1216.0	2.7352	270	1.122 01	891.26	1225.7	2.7116	270	1.109 44	901.36	1236.1	2.6896
1.148 24	870.89	1257.8	2.8115	280	1.133 61	882.14	1267.0	2.7870	280	1.120 32	892.60	1276.9	2.7641
1.161 23	861.16	1299.8	2.8868	290	1.145 66	872.86	1308.5	2.8613	290	1.131 59	883.71	1317.9	2.8375

Table 3. Compressed Water and Superheated Steam (continued)

140 MPa				t, °C	160 MPa				t, °C	180 MPa			
v	ρ	h	s		v	ρ	h	s		v	ρ	h	s
1.1748	851.23	1342.0	2.9611	300	1.1582	863.42	1350.1	2.9345	300	1.1433	874.69	1359.0	2.9099
1.1889	841.11	1384.5	3.0345	310	1.1712	853.82	1391.9	3.0068	310	1.1554	865.53	1400.3	2.9813
1.2037	830.81	1427.1	3.1070	320	1.1847	844.07	1433.9	3.0782	320	1.1679	856.24	1441.7	3.0517
1.2191	820.31	1470.0	3.1787	330	1.1988	834.16	1476.1	3.1487	330	1.1809	846.82	1483.3	3.1211
1.2352	809.62	1513.2	3.2497	340	1.2135	824.09	1518.4	3.2183	340	1.1944	837.27	1525.0	3.1897
1.2520	798.73	1556.6	3.3199	350	1.2287	813.87	1561.0	3.2872	350	1.2083	827.59	1566.8	3.2575
1.2696	787.65	1600.2	3.3894	360	1.2446	803.49	1603.7	3.3553	360	1.2228	817.78	1608.9	3.3244
1.2880	776.38	1644.2	3.4582	370	1.2611	792.96	1646.7	3.4226	370	1.2379	807.85	1651.0	3.3905
1.3073	764.92	1688.4	3.5265	380	1.2783	782.28	1689.9	3.4892	380	1.2534	797.80	1693.4	3.4558
1.3276	753.26	1732.9	3.5941	390	1.2963	771.45	1733.3	3.5552	390	1.2696	787.63	1735.9	3.5205
1.3488	741.41	1777.7	3.6612	400	1.3150	760.48	1777.0	3.6205	400	1.2864	777.35	1778.6	3.5844
1.3710	729.38	1822.8	3.7277	410	1.3345	749.37	1820.8	3.6852	410	1.3039	766.96	1821.5	3.6476
1.3944	717.17	1868.3	3.7938	420	1.3548	738.12	1864.9	3.7493	420	1.3219	756.46	1864.6	3.7102
1.4189	704.79	1914.1	3.8594	430	1.3760	726.74	1909.3	3.8128	430	1.3407	745.86	1907.8	3.7721
1.4446	692.24	1960.2	3.9245	440	1.3981	715.24	1953.9	3.8758	440	1.3602	735.17	1951.2	3.8334
1.4716	679.53	2006.6	3.9892	450	1.4212	703.63	1998.7	3.9382	450	1.3805	724.40	1994.8	3.8941
1.4999	666.69	2053.4	4.0534	460	1.4453	691.91	2043.7	4.0001	460	1.4015	713.54	2038.6	3.9543
1.5297	653.72	2100.5	4.1172	470	1.4704	680.11	2089.0	4.0614	470	1.4232	702.62	2082.6	4.0138
1.5609	640.65	2147.9	4.1805	480	1.4965	668.23	2134.5	4.1222	480	1.4458	691.64	2126.7	4.0727
1.5936	627.50	2195.6	4.2434	490	1.5237	656.28	2180.3	4.1826	490	1.4693	680.61	2170.9	4.1311
1.6279	614.30	2243.5	4.3059	500	1.5521	644.29	2226.2	4.2423	500	1.4935	669.55	2215.3	4.1890
1.7011	587.85	2340.1	4.4292	520	1.6122	620.27	2318.5	4.3603	520	1.5447	647.39	2304.6	4.3029
1.7807	561.58	2437.3	4.5502	540	1.6769	596.33	2411.4	4.4759	540	1.5993	625.26	2394.2	4.4145
1.8664	535.78	2534.6	4.6685	560	1.7462	572.67	2504.5	4.5890	560	1.6575	603.33	2484.0	4.5236
1.9579	510.76	2631.7	4.7835	580	1.8198	549.51	2597.5	4.6993	580	1.7190	581.73	2573.9	4.6302
2.0544	486.77	2727.9	4.8951	600	1.8974	527.03	2690.1	4.8066	600	1.7837	560.62	2663.6	4.7341
2.1551	464.01	2822.9	5.0026	620	1.9786	505.42	2782.0	4.9106	620	1.8514	540.14	2752.8	4.8351
2.2593	442.61	2916.4	5.1061	640	2.0627	484.79	2872.8	5.0112	640	1.9216	520.40	2841.3	4.9331
2.3661	422.65	3007.9	5.2053	660	2.1494	465.24	2962.3	5.1082	660	1.9941	501.49	2928.8	5.0280
2.4745	404.12	3097.5	5.3003	680	2.2380	446.82	3050.4	5.2016	680	2.0684	483.47	3015.3	5.1197
2.5840	386.99	3184.9	5.3910	700	2.3281	429.54	3136.9	5.2913	700	2.1441	466.39	3100.6	5.2082
2.6938	371.22	3270.1	5.4778	720	2.4191	413.38	3221.7	5.3776	720	2.2210	450.24	3184.5	5.2936
2.8035	356.70	3353.3	5.5606	740	2.5106	398.31	3304.8	5.4605	740	2.2987	435.02	3267.1	5.3759
2.9125	343.35	3434.3	5.6399	760	2.6023	384.28	3386.2	5.5400	760	2.3770	420.71	3348.3	5.4553
3.0206	331.06	3513.5	5.7157	780	2.6938	371.22	3466.0	5.6165	780	2.4554	407.26	3428.1	5.5318
3.1276	319.74	3590.8	5.7884	800	2.7850	359.07	3544.2	5.6901	800	2.5339	394.64	3506.6	5.6056
3.2332	309.29	3666.4	5.8582	820	2.8756	347.76	3620.8	5.7609	820	2.6123	382.81	3583.8	5.6769
3.3375	299.62	3740.5	5.9254	840	2.9654	337.22	3696.1	5.8291	840	2.6904	371.70	3659.6	5.7457
3.4404	290.67	3813.1	5.9901	860	3.0544	327.40	3770.1	5.8950	860	2.7680	361.27	3734.3	5.8122
3.5418	282.34	3884.5	6.0525	880	3.1425	318.22	3842.8	5.9586	880	2.8451	351.48	3807.9	5.8765
3.6418	274.59	3954.7	6.1129	900	3.2296	309.63	3914.4	6.0202	900	2.9217	342.27	3880.4	5.9389
3.7404	267.35	4023.9	6.1714	920	3.3158	301.59	3985.0	6.0798	920	2.9976	333.60	3952.0	5.9993
3.8376	260.58	4092.1	6.2281	940	3.4010	294.03	4054.6	6.1377	940	3.0728	325.43	4022.6	6.0580
3.9335	254.23	4159.5	6.2832	960	3.4852	286.93	4123.3	6.1939	960	3.1473	317.73	4092.3	6.1151
4.0282	248.25	4226.1	6.3367	980	3.5684	280.24	4191.3	6.2485	980	3.2212	310.45	4161.3	6.1706
4.1216	242.62	4292.0	6.3889	1000	3.6507	273.92	4258.5	6.3018	1000	3.2943	303.56	4229.6	6.2246
4.5725	218.70	4613.3	6.6319	1100	4.0489	246.98	4586.0	6.5494	1100	3.6494	274.02	4562.1	6.4761
5.0009	199.96	4925.3	6.8513	1200	4.4280	225.83	4903.2	6.7725	1200	3.9888	250.70	4883.8	6.7023
5.4117	184.78	5232.0	7.0527	1300	4.7918	208.69	5214.4	6.9769	1300	4.3148	231.76	5198.9	6.9093
5.8088	172.15	5535.9	7.2400	1400	5.1432	194.43	5522.1	7.1665	1400	4.6299	215.99	5510.0	7.1010
6.1950	161.42	5838.6	7.4157	1500	5.4847	182.33	5827.9	7.3440	1500	4.9361	202.59	5818.7	7.2802
6.5724	152.15	6140.9	7.5816	1600	5.8182	171.87	6133.0	7.5114	1600	5.2349	191.03	6126.4	7.4490
7.3072	136.85	6747.0	7.8890	1800	6.4665	154.64	6743.6	7.8211	1800	5.8152	171.96	6741.1	7.7608
8.0223	124.65	7356.9	8.1699	2000	7.0964	140.92	7357.0	8.1036	2000	6.3784	156.78	7357.7	8.0447

Table 3. Compressed Water and Superheated Steam (continued)

200 MPa				t, °C	250 MPa				t, °C	300 MPa			
v	ρ	h	s		v	ρ	h	s		v	ρ	h	s
0.924 26	1081.9	182.21	-0.034 77	0	0.910 89	1097.8	223.68	-0.050 87	0	0.898 92	1112.4	264.27	-0.067 91
0.927 52	1078.1	220.22	0.101 91	10	0.914 37	1093.7	261.29	0.084 35	10	0.902 52	1108.0	301.54	0.066 08
0.931 06	1074.0	258.73	0.235 57	20	0.918 06	1089.3	299.49	0.216 94	20	0.906 30	1103.4	339.50	0.197 83
0.932 92	1071.9	278.10	0.301 08	25	0.919 97	1087.0	318.72	0.281 96	25	0.908 24	1101.0	358.62	0.262 51
0.934 83	1069.7	297.52	0.365 67	30	0.921 92	1084.7	338.00	0.346 08	30	0.910 21	1098.7	377.79	0.326 29
0.938 82	1065.2	336.47	0.492 09	40	0.925 95	1080.0	376.66	0.471 56	40	0.914 23	1093.8	416.25	0.451 08
0.943 04	1060.4	375.53	0.614 86	50	0.930 13	1075.1	415.41	0.593 37	50	0.918 38	1088.9	454.77	0.572 17
0.947 48	1055.4	414.65	0.734 09	60	0.934 49	1070.1	454.21	0.711 61	60	0.922 65	1083.8	493.31	0.689 64
0.952 14	1050.3	453.82	0.849 94	70	0.939 02	1064.9	493.03	0.826 43	70	0.927 07	1078.7	531.86	0.803 66
0.957 04	1044.9	493.03	0.962 57	80	0.943 74	1059.6	531.87	0.938 01	80	0.931 63	1073.4	570.41	0.914 39
0.962 18	1039.3	532.27	1.0721	90	0.948 65	1054.1	570.73	1.0465	90	0.936 35	1068.0	608.95	1.0220
0.967 55	1033.5	571.54	1.1788	100	0.953 75	1048.5	609.59	1.1521	100	0.941 23	1062.4	647.49	1.1267
0.973 16	1027.6	610.83	1.2827	110	0.959 05	1042.7	648.47	1.2549	110	0.946 27	1056.8	686.02	1.2286
0.979 02	1021.4	650.15	1.3840	120	0.964 56	1036.7	687.37	1.3551	120	0.951 48	1051.0	724.56	1.3279
0.985 11	1015.1	689.51	1.4829	130	0.970 26	1030.7	726.28	1.4529	130	0.956 86	1045.1	763.11	1.4247
0.991 45	1008.6	728.90	1.5794	140	0.976 16	1024.4	765.22	1.5483	140	0.962 41	1039.1	801.66	1.5192
0.998 04	1002.0	768.34	1.6737	150	0.982 28	1018.0	804.19	1.6414	150	0.968 14	1032.9	840.23	1.6114
1.0049	995.15	807.82	1.7659	160	0.988 59	1011.5	843.18	1.7325	160	0.974 04	1026.7	878.82	1.7016
1.0120	988.18	847.37	1.8562	170	0.995 12	1004.9	882.22	1.8216	170	0.980 11	1020.3	917.44	1.7897
1.0193	981.06	886.97	1.9446	180	1.0019	998.15	921.30	1.9088	180	0.986 36	1013.8	956.08	1.8759
1.0269	973.79	926.63	2.0311	190	1.0088	991.27	960.42	1.9942	190	0.992 79	1007.3	994.76	1.9603
1.0348	966.39	966.37	2.1160	200	1.0160	984.28	999.59	2.0779	200	0.999 40	1000.6	1033.5	2.0430
1.0429	958.84	1006.2	2.1993	210	1.0234	977.18	1038.8	2.1599	210	1.0062	993.85	1072.2	2.1241
1.0513	951.16	1046.1	2.2810	220	1.0310	969.97	1078.1	2.2404	220	1.0132	987.01	1111.0	2.2035
1.0600	943.35	1086.0	2.3612	230	1.0388	962.66	1117.4	2.3194	230	1.0203	980.09	1149.8	2.2814
1.0690	935.41	1126.1	2.4401	240	1.0468	955.25	1156.8	2.3969	240	1.0277	973.09	1188.7	2.3579
1.0783	927.35	1166.3	2.5176	250	1.0551	947.74	1196.3	2.4731	250	1.0352	966.01	1227.6	2.4330
1.0880	919.16	1206.5	2.5938	260	1.0637	940.13	1235.8	2.5479	260	1.0429	958.85	1266.5	2.5068
1.0979	910.85	1246.9	2.6688	270	1.0725	932.43	1275.4	2.6215	270	1.0508	951.63	1305.5	2.5792
1.1081	902.41	1287.3	2.7426	280	1.0815	924.64	1315.1	2.6938	280	1.0590	944.33	1344.6	2.6505
1.1187	893.86	1327.9	2.8153	290	1.0908	916.77	1354.8	2.7650	290	1.0673	936.97	1383.7	2.7205
1.1297	885.19	1368.6	2.8869	300	1.1003	908.81	1394.6	2.8350	300	1.0758	929.54	1422.8	2.7894
1.1527	867.51	1450.3	3.0270	320	1.1203	892.64	1474.4	2.9719	320	1.0935	914.51	1501.2	2.9238
1.1773	849.39	1532.5	3.1633	340	1.1413	876.17	1554.5	3.1048	340	1.1120	899.25	1579.8	3.0541
1.2036	830.83	1615.2	3.2961	360	1.1636	859.41	1634.9	3.2338	360	1.1315	883.78	1658.5	3.1805
1.2317	811.87	1698.4	3.4255	380	1.1871	842.38	1715.7	3.3594	380	1.1519	868.14	1737.5	3.3033
1.2618	792.53	1782.2	3.5518	400	1.2120	825.11	1796.7	3.4815	400	1.1732	852.34	1816.6	3.4226
1.2939	772.83	1866.5	3.6752	420	1.2382	807.62	1878.0	3.6006	420	1.1956	836.40	1895.9	3.5386
1.3283	752.82	1951.3	3.7959	440	1.2659	789.95	1959.6	3.7166	440	1.2190	820.34	1975.3	3.6516
1.3651	732.55	2036.7	3.9140	460	1.2951	772.13	2041.5	3.8299	460	1.2435	804.21	2054.8	3.7616
1.4044	712.06	2122.6	4.0296	480	1.3259	754.20	2123.6	3.9404	480	1.2690	788.01	2134.5	3.8688
1.4463	691.43	2209.0	4.1428	500	1.3583	736.20	2206.0	4.0483	500	1.2957	771.79	2214.2	3.9733
1.5630	639.79	2426.6	4.4154	550	1.4468	691.20	2412.7	4.3074	550	1.3674	731.32	2414.0	4.2236
1.6968	589.36	2644.9	4.6729	600	1.5458	646.91	2619.9	4.5518	600	1.4463	691.40	2613.8	4.4593
1.8456	541.84	2861.3	4.9139	650	1.6548	604.30	2826.3	4.7817	650	1.5323	652.63	2813.1	4.6813
2.0056	498.59	3073.1	5.1374	700	1.7721	564.30	3030.4	4.9970	700	1.6244	615.61	3011.1	4.8902
2.1728	460.23	3278.5	5.3432	750	1.8955	527.56	3230.7	5.1977	750	1.7216	580.87	3206.8	5.0862
2.3434	426.73	3476.6	5.5323	800	2.0227	494.38	3426.2	5.3843	800	1.8223	548.76	3399.3	5.2700
2.6847	372.48	3852.2	5.8671	900	2.2816	438.28	3802.1	5.7193	900	2.0292	492.80	3773.2	5.6032
3.0169	331.46	4204.9	6.1558	1000	2.5391	393.85	4159.5	6.0118	1000	2.2374	446.94	4132.3	5.8970
3.6426	274.53	4867.0	6.6391	1200	3.0348	329.51	4834.9	6.5049	1200	2.6439	378.23	4815.4	6.3957
4.2230	236.80	5499.5	7.0419	1400	3.5016	285.59	5480.3	6.9158	1400	3.0315	329.87	5469.7	6.8123
4.7710	209.60	6121.0	7.3928	1600	3.9443	253.53	6112.2	7.2726	1600	3.4015	293.99	6109.8	7.1737
5.2964	188.81	6739.6	7.7066	1800	4.3690	228.89	6739.3	7.5907	1800	3.7572	266.16	6743.7	7.4953
5.8057	172.24	7359.2	7.9919	2000	4.7802	209.20	7365.7	7.8791	2000	4.1018	243.79	7375.8	7.7864

Table 3. Compressed Water and Superheated Steam (continued)

350 MPa				t, °C	400 MPa				t, °C	450 MPa			
v	ρ	h	s		v	ρ	h	s		v	ρ	h	s
0.888 09	1126.0	304.15	-0.085 45	0	0.878 19	1138.7	343.44	-0.103 24	0	0.869 08	1150.6	382.24	-0.121 11
0.891 74	1121.4	341.11	0.047 42	10	0.881 87	1134.0	380.12	0.028 61	10	0.872 76	1145.8	418.65	0.009 79
0.895 56	1116.6	378.88	0.178 51	20	0.885 69	1129.1	417.72	0.159 13	20	0.876 57	1140.8	456.11	0.139 80
0.897 51	1114.2	397.92	0.242 92	25	0.887 64	1126.6	436.70	0.223 32	25	0.878 50	1138.3	475.04	0.203 82
0.899 48	1111.7	417.02	0.306 44	30	0.889 61	1124.1	455.74	0.286 66	30	0.880 45	1135.8	494.03	0.267 01
0.903 49	1106.8	455.31	0.430 73	40	0.893 58	1119.1	493.92	0.410 57	40	0.884 39	1130.7	532.13	0.390 64
0.907 59	1101.8	493.66	0.551 28	50	0.897 63	1114.0	532.14	0.530 71	50	0.888 38	1125.6	570.25	0.510 47
0.911 79	1096.7	532.01	0.668 16	60	0.901 75	1109.0	570.34	0.647 14	60	0.892 42	1120.5	608.33	0.626 54
0.916 09	1091.6	570.35	0.781 54	70	0.905 96	1103.8	608.50	0.760 00	70	0.896 54	1115.4	646.36	0.738 99
0.920 52	1086.3	608.66	0.891 58	80	0.910 26	1098.6	646.62	0.869 48	80	0.900 73	1110.2	684.31	0.848 02
0.925 07	1081.0	646.94	0.998 48	90	0.914 67	1093.3	684.69	0.975 79	90	0.905 01	1105.0	722.20	0.953 83
0.929 76	1075.5	685.20	1.1024	100	0.919 18	1087.9	722.72	1.0791	100	0.909 38	1099.7	760.04	1.0566
0.934 58	1070.0	723.45	1.2036	110	0.923 82	1082.5	760.72	1.1796	110	0.913 85	1094.3	797.84	1.1566
0.939 55	1064.3	761.68	1.3021	120	0.928 58	1076.9	798.70	1.2774	120	0.918 42	1088.8	835.59	1.2538
0.944 66	1058.6	799.91	1.3981	130	0.933 46	1071.3	836.66	1.3728	130	0.923 10	1083.3	873.32	1.3486
0.949 92	1052.7	838.14	1.4918	140	0.938 46	1065.6	874.61	1.4658	140	0.927 89	1077.7	911.04	1.4410
0.955 32	1046.8	876.38	1.5832	150	0.943 60	1059.8	912.56	1.5565	150	0.932 79	1072.1	948.74	1.5312
0.960 88	1040.7	914.63	1.6725	160	0.948 86	1053.9	950.51	1.6452	160	0.937 80	1066.3	986.43	1.6192
0.966 58	1034.6	952.89	1.7599	170	0.954 24	1047.9	988.47	1.7318	170	0.942 92	1060.5	1024.1	1.7053
0.972 43	1028.4	991.16	1.8453	180	0.959 76	1041.9	1026.4	1.8165	180	0.948 15	1054.7	1061.8	1.7894
0.978 43	1022.0	1029.5	1.9289	190	0.965 41	1035.8	1064.4	1.8994	190	0.953 50	1048.8	1099.5	1.8717
0.984 59	1015.7	1067.8	2.0107	200	0.971 19	1029.7	1102.4	1.9806	200	0.958 95	1042.8	1137.2	1.9522
0.990 89	1009.2	1106.1	2.0909	210	0.977 09	1023.4	1140.4	2.0601	210	0.964 52	1036.8	1175.0	2.0311
0.997 35	1002.7	1144.5	2.1696	220	0.983 13	1017.2	1178.4	2.1380	220	0.970 21	1030.7	1212.7	2.1084
1.0040	996.05	1182.9	2.2466	230	0.989 30	1010.8	1216.5	2.2144	230	0.976 00	1024.6	1250.4	2.1842
1.0107	989.38	1221.3	2.3223	240	0.995 60	1004.4	1254.6	2.2893	240	0.981 91	1018.4	1288.2	2.2585
1.0177	982.64	1259.8	2.3965	250	1.0020	997.97	1292.6	2.3628	250	0.987 93	1012.2	1325.9	2.3314
1.0247	975.85	1298.3	2.4694	260	1.0086	991.47	1330.7	2.4349	260	0.994 07	1006.0	1363.7	2.4029
1.0320	969.00	1336.8	2.5409	270	1.0153	984.93	1368.9	2.5058	270	1.0003	999.68	1401.5	2.4731
1.0394	962.09	1375.3	2.6113	280	1.0221	978.34	1407.0	2.5753	280	1.0067	993.37	1439.3	2.5421
1.0470	955.13	1413.9	2.6804	290	1.0291	971.72	1445.2	2.6437	290	1.0132	987.01	1477.1	2.6098
1.0547	948.13	1452.5	2.7483	300	1.0362	965.05	1483.3	2.7109	300	1.0197	980.63	1514.9	2.6764
1.0707	933.98	1529.8	2.8809	320	1.0508	951.61	1559.7	2.8419	320	1.0333	967.79	1590.6	2.8061
1.0874	919.66	1607.2	3.0092	340	1.0660	938.05	1636.2	2.9687	340	1.0473	954.85	1666.3	2.9316
1.1047	905.20	1684.7	3.1336	360	1.0818	924.38	1712.7	3.0915	360	1.0618	941.84	1742.0	3.0531
1.1228	890.60	1762.3	3.2543	380	1.0981	910.63	1789.2	3.2105	380	1.0767	928.76	1817.6	3.1708
1.1417	875.90	1840.0	3.3714	400	1.1151	896.80	1865.8	3.3260	400	1.0921	915.64	1893.3	3.2849
1.1613	861.12	1917.7	3.4852	420	1.1326	882.92	1942.4	3.4381	420	1.1080	902.49	1969.0	3.3957
1.1817	846.27	1995.6	3.5959	440	1.1507	869.00	2019.0	3.5470	440	1.1244	889.33	2044.6	3.5032
1.2028	831.37	2073.4	3.7036	460	1.1695	855.06	2095.6	3.6529	460	1.1413	876.16	2120.2	3.6078
1.2248	816.45	2151.3	3.8084	480	1.1889	841.13	2172.1	3.7560	480	1.1587	863.02	2195.8	3.7095
1.2476	801.53	2229.2	3.9105	500	1.2089	827.22	2248.7	3.8563	500	1.1766	849.90	2271.3	3.8084
1.3082	764.39	2424.1	4.1547	550	1.2616	792.62	2439.9	4.0959	550	1.2235	817.35	2459.7	4.0445
1.3741	727.74	2618.7	4.3843	600	1.3183	758.53	2630.7	4.3210	600	1.2734	785.30	2647.5	4.2661
1.4451	692.00	2812.9	4.6005	650	1.3789	725.20	2820.9	4.5328	650	1.3263	753.95	2834.8	4.4746
1.5208	657.54	3006.1	4.8043	700	1.4432	692.92	3010.4	4.7327	700	1.3822	723.50	3021.2	4.6713
1.6006	624.76	3197.8	4.9964	750	1.5107	661.94	3198.8	4.9215	750	1.4407	694.12	3206.8	4.8573
1.6836	593.97	3387.4	5.1774	800	1.5810	632.51	3385.7	5.0998	800	1.5015	666.00	3391.4	5.0334
1.8553	538.99	3758.6	5.5081	900	1.7272	578.96	3753.7	5.4278	900	1.6284	614.09	3756.2	5.3585
2.0296	492.70	4117.9	5.8021	1000	1.8769	532.80	4112.6	5.7214	1000	1.7592	568.44	4114.0	5.6512
2.3729	421.42	4805.8	6.3043	1200	2.1739	460.01	4803.7	6.2259	1200	2.0209	494.83	4807.2	6.1572
2.7029	369.97	5466.5	6.7250	1400	2.4607	406.38	5469.3	6.6497	1400	2.2747	439.61	5476.9	6.5836
3.0195	331.18	6112.8	7.0900	1600	2.7368	365.39	6120.6	7.0174	1600	2.5194	396.92	6132.3	6.9536
3.3248	300.77	6752.4	7.4144	1800	3.0037	332.93	6764.7	7.3442	1800	2.7562	362.82	6780.2	7.2823
3.6209	276.17	7389.3	7.7077	2000	3.2629	306.47	7405.6	7.6393	2000	2.9864	334.85	7424.5	7.5790

