



Technical Data

Properties of Steam

Gauge Pressure PSIG	Absolute Pressure PSIA	Steam Temp. (F)	Sensible Heat BTU/lb.	Latent Heat BTU/lb.	Total Heat BTU/lb.	Specific Vol Cu.ft./lb.
0	14.7	212.0	180.2	970.6	1150.8	26.80
1	15.7	215.4	183.6	968.4	1152.0	25.20
2	16.7	218.5	186.8	966.4	1153.2	23.80
3	17.7	221.5	189.8	964.5	1154.3	22.50
4	18.7	224.5	192.7	962.6	1155.3	21.40
5	19.7	227.4	195.5	960.8	1156.3	20.40
6	20.7	230.0	198.1	959.2	1157.3	19.40
7	21.7	232.4	200.6	957.6	1158.2	18.60
8	22.7	234.8	203.1	956.0	1159.1	17.90
9	23.7	237.1	205.5	954.5	1160.0	17.20
10	24.7	239.4	207.9	952.9	1160.8	16.50
11	25.7	241.6	210.1	951.5	1161.6	15.90
12	26.7	243.7	212.3	950.1	1162.4	15.30
13	27.7	245.8	214.4	948.6	1163.0	14.80
14	28.7	247.9	216.4	947.3	1163.7	14.30
15	29.7	249.8	218.4	946.0	1164.4	13.90
16	30.7	251.7	220.3	944.8	1165.1	13.40
17	31.7	253.6	222.2	943.5	1165.7	13.00
18	32.7	255.4	224.0	942.4	1166.4	12.70
19	33.7	257.2	225.8	941.2	1167.0	12.30
20	34.7	258.8	227.5	940.1	1167.6	12.00
22	36.7	262.3	230.9	937.8	1168.7	11.40
24	38.7	265.3	234.2	935.8	1170.0	10.80
26	40.7	268.3	237.3	933.5	1170.8	10.30
28	42.7	271.4	240.2	931.6	1171.8	9.87
30	44.7	274.0	243.0	929.7	1172.7	9.46
32	46.7	276.7	245.9	927.6	1173.5	9.08
34	48.7	279.4	248.5	925.8	1174.3	8.73
36	50.7	281.9	251.1	924.0	1175.1	8.40
38	52.7	284.4	253.7	922.1	1175.8	8.11
40	54.7	286.7	256.1	920.4	1176.5	7.83
42	56.7	289.0	258.5	918.6	1177.1	7.57
44	58.7	291.3	260.8	917.0	1177.8	7.33
46	60.7	293.5	263.0	915.4	1178.4	7.10
48	62.7	295.6	265.2	913.8	1179.0	6.89
50	64.7	297.7	267.4	912.2	1179.6	6.68
52	66.7	299.7	269.4	910.7	1180.1	6.50
54	68.7	301.7	271.5	909.2	1180.7	6.32
56	70.7	303.6	273.5	907.8	1181.3	6.16
58	72.7	305.5	275.3	906.5	1181.8	6.00
60	74.7	307.4	277.1	905.3	1182.4	5.84

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62	76.7	309.2	279.0	904.0	1183.0	5.70
64	78.7	310.9	280.9	902.6	1183.5	5.56
66	80.7	312.7	282.8	901.2	1184.0	5.43
68	82.7	314.3	284.5	900.0	1184.5	5.31
70	84.7	316.0	286.2	898.8	1185.0	5.19
72	86.7	317.7	288.0	897.5	1185.5	5.08
74	88.7	319	289.4	896.5	1185.9	4.97
76	90.7	320.9	281.2	895.1	1176.3	4.87
78	92.7	322.4	292.9	893.9	1186.8	4.77
80	94.7	323.9	294.5	892.7	1187.2	4.67
82	96.7	325.5	296.1	891.5	1187.6	4.58
84	98.7	326.9	297.6	890.3	1187.9	4.49
86	100.7	328.4	299.1	889.2	1188.3	4.41
88	102.7	329.9	300.6	888.1	1188.7	4.33
90	104.7	331.2	302.1	887.0	1189.1	4.25
92	106.7	332.6	303.5	885.8	1189.3	4.17
94	108.7	333.9	304.9	884.8	1189.7	4.10
96	110.7	335.3	306.3	883.7	1190.0	4.03
98	112.7	336.6	307.7	882.6	1190.3	3.96
100	114.7	337.9	309.0	881.6	1190.6	3.90
102	116.7	339.2	310.3	880.6	1190.9	3.83
104	118.7	340.5	311.6	879.6	1191.2	3.77
106	120.7	341.7	313.0	878.5	1191.5	3.71
108	122.7	343.0	314.3	877.5	1191.8	3.65
110	124.7	344.2	315.5	876.5	1192.0	3.60
112	126.7	345.4	316.8	875.5	1192.3	3.54
114	128.7	346.5	318.0	874.5	1192.5	3.49
116	130.7	347.7	319.3	873.5	1192.8	3.44
118	132.7	348.9	320.5	872.5	1193.0	3.39
120	134.7	350.1	321.8	871.5	1193.3	3.34
125	139.7	352.8	324.7	869.3	1194.0	3.23
130	144.7	355.6	327.6	866.9	1194.5	3.12
135	149.7	358.3	330.6	864.5	1195.1	3.02
140	154.7	360.9	333.2	862.5	1195.7	2.93
145	159.7	363.5	335.9	860.3	1196.2	2.84
150	164.7	365.9	338.6	858.0	1196.6	2.76
155	169.7	368.3	341.1	856.0	1197.1	2.68
160	174.7	370.7	343.6	853.9	1197.5	2.61
165	179.7	372.9	346.1	851.8	1197.9	2.54
170	184.7	375.2	348.5	849.8	1198.3	2.48
175	189.7	377.5	350.9	847.9	1198.8	2.41
180	194.7	379.6	353.2	845.9	1199.1	2.35
185	199.7	381.6	355.4	844.1	1199.5	2.30
190	204.7	383.7	357.6	842.2	1199.8	2.24
195	209.7	385.7	359.9	840.2	1200.1	2.18
200	214.7	387.7	362.0	838.4	1200.4	2.14
210	224.7	391.7	366.2	834.8	1201.0	2.04
220	234.7	395.5	370.3	831.2	1201.5	1.96

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230	244.7	399.1	374.2	827.8	1202.0	1.88
240	254.7	402.7	378.0	824.5	1202.5	1.81
250	264.7	406.1	381.7	821.2	1202.9	1.74
260	274.7	409.3	385.3	817.9	1203.2	1.68
270	284.7	412.5	388.8	814.8	1203.6	1.62
280	294.7	415.8	392.3	811.6	1203.9	1.57
290	304.7	418.8	395.7	808.5	1204.2	1.52
300	314.7	421.7	398.9	805.5	1204.4	1.47
310	324.7	424.7	402.1	802.6	1204.7	1.43
320	334.7	427.5	405.2	799.7	1204.9	1.39
330	344.7	430.3	408.3	796.7	1205.0	1.35
340	354.7	433.0	411.3	793.8	1205.1	1.31
350	364.7	435.7	414.3	791.0	1205.3	1.27
360	374.7	438.3	417.2	788.2	1205.4	1.24
370	384.7	440.8	420.0	785.4	1205.4	1.21
380	394.7	443.3	422.8	782.7	1205.5	1.18
390	404.7	445.7	425.6	779.9	1205.5	1.15
400	414.7	448.1	428.2	777.4	1205.6	1.12
420	434.7	452.8	433.4	772.2	1205.6	1.07
440	454.7	457.3	438.5	767.1	1205.6	1.02
460	474.7	461.7	443.4	762.1	1205.5	0.98
480	494.7	465.9	448.3	757.1	1205.4	0.94
500	514.7	470.0	453.0	752.3	1205.3	0.90
520	534.7	474.0	457.6	747.5	1205.1	0.87
540	554.7	447.8	462.0	742.8	1204.8	0.84
560	574.7	481.6	466.4	738.1	1204.5	0.81
580	594.7	485.2	470.7	733.5	1204.2	0.78
600	614.7	488.8	474.8	729.1	1203.9	0.75
620	634.7	492.3	479.0	724.5	1203.5	0.73
640	654.7	495.7	483.0	720.1	1203.1	0.70
660	674.7	499.0	486.9	715.8	1202.7	0.68
680	694.7	502.2	490.7	711.5	1202.2	0.66
700	714.7	505.4	494.4	707.4	1201.8	0.64
720	734.7	508.5	498.2	703.1	1201.3	0.62
740	754.7	511.5	501.9	698.9	1200.8	0.61
760	774.7	514.5	505.5	694.7	1200.2	0.59
780	794.7	517.5	509.0	690.7	1199.7	0.57
800	814.7	520.3	512.5	686.6	1199.1	0.56