

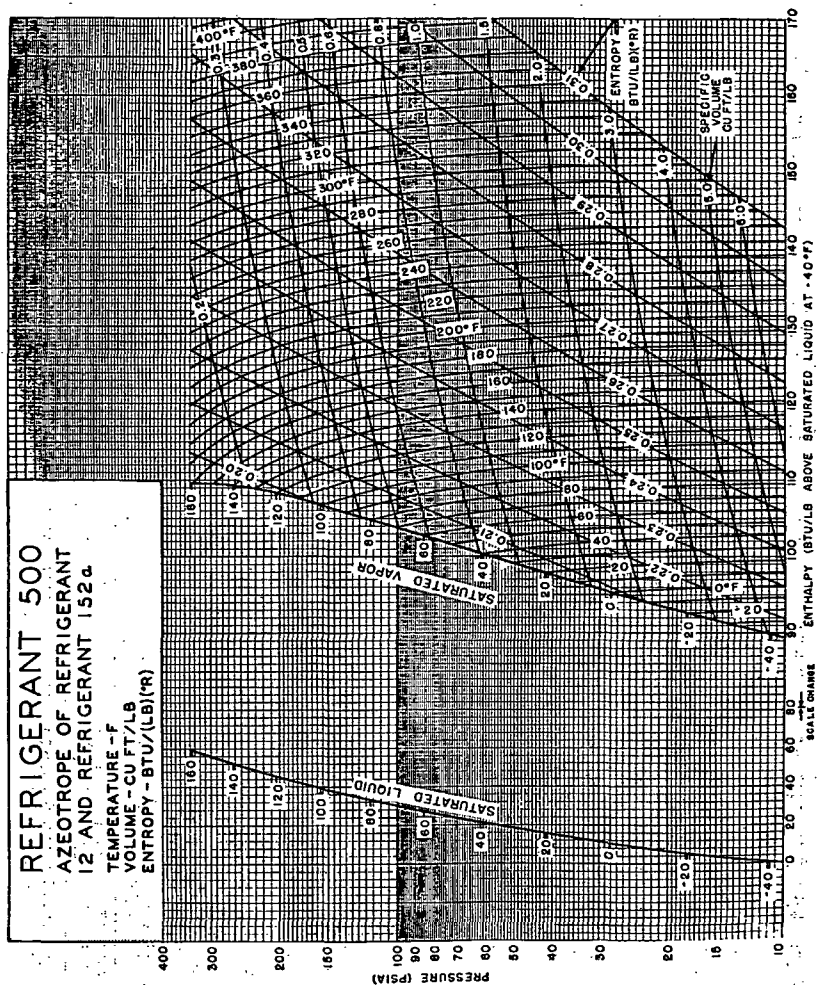


Table 17 Refrigerant 500 Properties of Liquid and Saturated Vapor*

Temp F	Pressure					Temp F	Pressure				
	psia	psig	Volume cu ft/lb	Density lb/cu ft	Enthalpy** Btu/lb		psia	psig	Volume cu ft/lb	Density lb/cu ft	Enthalpy** Btu/lb
Liquid											
	psia	psig	Vapor V _l /V _v	Liquid V _l /V _v	Vapor h _l /h _v		psia	psig	Vapor V _l /V _v	Liquid V _l /V _v	Vapor h _l /h _v
-40	10.84	7.65*	0.0757	84.37	0.00	80	85.66	70.960	0.5156	74.30	0.05763
-38	11.42	8.23*	0.0757	84.19	0.01	82	88.49	70.97	0.5156	74.07	0.05778
-36	12.03	8.84*	0.0757	84.00	0.02	84	91.39	70.99	0.5156	73.84	0.05793
-34	12.66	9.47*	0.0757	83.82	0.03	86	94.37	71.02	0.5156	73.61	0.05808
-32	13.31	10.10*	0.0757	83.63	0.04	88	97.41	71.05	0.5156	73.38	0.05823
-30	14.00	10.75*	0.0757	83.45	0.05	90	100.51	71.08	0.5156	73.14	0.05838
-28	14.71	11.41*	0.0757	83.26	0.06	92	103.67	71.11	0.5156	72.91	0.05853
-26	15.45	12.09*	0.0757	83.07	0.07	94	106.87	71.14	0.5156	72.67	0.05868
-24	16.21	12.81*	0.0757	82.89	0.08	96	110.09	71.17	0.5156	72.43	0.05883
-22	17.01	13.58*	0.0757	82.70	0.09	98	113.30	71.20	0.5156	72.19	0.05898
-20	17.84	14.41*	0.0757	82.51	0.10	100	116.51	71.23	0.5156	71.95	0.05913
-18	18.70	15.27*	0.0757	82.32	0.11	102	119.72	71.26	0.5156	71.71	0.05928
-16	19.59	16.16*	0.0757	82.13	0.12	104	122.93	71.29	0.5156	71.47	0.05943
-14	20.51	17.07*	0.0757	81.94	0.13	106	126.14	71.32	0.5156	71.23	0.05958
-12	21.47	18.01*	0.0757	81.75	0.14	108	129.35	71.35	0.5156	70.99	0.05973
-10	22.46	19.00*	0.0757	81.56	0.15	110	132.56	71.38	0.5156	70.75	0.05988
-8	23.49	20.03*	0.0757	81.37	0.16	112	135.77	71.41	0.5156	70.51	0.06003
-6	24.55	21.11*	0.0757	81.17	0.17	114	138.98	71.44	0.5156	70.27	0.06018
-4	25.65	22.25*	0.0757	80.98	0.18	116	142.19	71.47	0.5156	70.03	0.06033
-2	26.79	23.44*	0.0757	80.78	0.19	118	145.40	71.50	0.5156	69.79	0.06048
0	27.96	24.68*	0.0757	80.59	0.20	120	148.61	71.53	0.5156	69.55	0.06063
2	29.15	25.97*	0.0757	80.39	0.21	122	151.82	71.56	0.5156	69.31	0.06078
4	30.37	27.31*	0.0757	80.19	0.22	124	155.03	71.59	0.5156	69.07	0.06093
6	31.61	28.70*	0.0757	79.99	0.23	126	158.24	71.62	0.5156	68.83	0.06108
8	32.88	30.14*	0.0757	79.79	0.24	128	161.45	71.65	0.5156	68.59	0.06123
10	34.17	31.63*	0.0757	79.59	0.25	130	164.66	71.68	0.5156	68.35	0.06138
12	35.48	33.17*	0.0757	79.39	0.26	132	167.87	71.71	0.5156	68.11	0.06153
14	36.80	34.76*	0.0757	79.19	0.27	134	171.08	71.74	0.5156	67.87	0.06168
16	38.13	36.40*	0.0757	78.99	0.28	136	174.29	71.77	0.5156	67.63	0.06183
18	39.48	38.09*	0.0757	78.79	0.29	138	177.50	71.80	0.5156	67.39	0.06198
20	40.84	39.83*	0.0757	78.59	0.30	140	180.71	71.83	0.5156	67.15	0.06213
22	42.22	41.62*	0.0757	78.39	0.31	142	183.92	71.86	0.5156	66.91	0.06228
24	43.61	43.46*	0.0757	78.19	0.32	144	187.13	71.89	0.5156	66.67	0.06243
26	45.01	45.35*	0.0757	77.99	0.33	146	190.34	71.92	0.5156	66.43	0.06258
28	46.42	47.29*	0.0757	77.79	0.34	148	193.55	71.95	0.5156	66.19	0.06273
30	47.84	49.28*	0.0757	77.59	0.35	150	196.76	71.98	0.5156	65.95	0.06288
32	49.27	51.32*	0.0757	77.39	0.36	152	199.97	72.01	0.5156	65.71	0.06303
34	50.71	53.41*	0.0757	77.19	0.37	154	203.18	72.04	0.5156	65.47	0.06318
36	52.16	55.55*	0.0757	76.99	0.38	156	206.39	72.07	0.5156	65.23	0.06333
38	53.62	57.74*	0.0757	76.79	0.39	158	209.60	72.10	0.5156	64.99	0.06348
40	55.09	59.98*	0.0757	76.59	0.40	160	212.81	72.13	0.5156	64.75	0.06363
42	56.57	62.27*	0.0757	76.39	0.41	162	216.02	72.16	0.5156	64.51	0.06378
44	58.06	64.61*	0.0757	76.19	0.42	164	219.23	72.19	0.5156	64.27	0.06393
46	59.56	66.99*	0.0757	75.99	0.43	166	222.44	72.22	0.5156	64.03	0.06408
48	61.07	69.42*	0.0757	75.79	0.44	168	225.65	72.25	0.5156	63.79	0.06423
50	62.59	71.90*	0.0757	75.59	0.45	170	228.86	72.28	0.5156	63.55	0.06438
52	64.12	74.43*	0.0757	75.39	0.46	172	232.07	72.31	0.5156	63.31	0.06453
54	65.66	77.01*	0.0757	75.19	0.47	174	235.28	72.34	0.5156	63.07	0.06468
56	67.21	79.64*	0.0757	74.99	0.48	176	238.49	72.37	0.5156	62.83	0.06483
58	68.77	82.32*	0.0757	74.79	0.49	178	241.70	72.40	0.5156	62.59	0.06498
60	70.34	85.05*	0.0757	74.59	0.50	180	244.91	72.43	0.5156	62.35	0.06513
62	71.92	87.83*	0.0757	74.39	0.51	182	248.12	72.46	0.5156	62.11	0.06528
64	73.51	90.66*	0.0757	74.19	0.52	184	251.33	72.49	0.5156	61.87	0.06543
66	75.11	93.54*	0.0757	73.99	0.53	186	254.54	72.52	0.5156	61.63	0.06558
68	76.72	96.47*	0.0757	73.79	0.54	188	257.75	72.55	0.5156	61.39	0.06573
70	78.34	99.45*	0.0757	73.59	0.55	190	260.96	72.58	0.5156	61.15	0.06588
72	79.97	102.48*	0.0757	73.39	0.56	192	264.17	72.61	0.5156	60.91	0.06603
74	81.61	105.56*	0.0757	73.19	0.57	194	267.38	72.64	0.5156	60.67	0.06618
76	83.26	108.69*	0.0757	72.99	0.58	196	270.59	72.67	0.5156	60.43	0.06633
78	84.92	111.87*	0.0757	72.79	0.59	198	273.80	72.70	0.5156	60.19	0.06648
80	86.59	115.10*	0.0757	72.59	0.60	200	277.01	72.73	0.5156	59.95	0.06663
82	88.27	118.38*	0.0757	72.39	0.61	202	280.22	72.76	0.5156	59.71	0.06678
84	89.96	121.71*	0.0757	72.19	0.62	204	283.43	72.79	0.5156	59.47	0.06693
86	91.66	125.09*	0.0757	71.99	0.63	206	286.64	72.82	0.5156	59.23	0.06708
88	93.37	128.52*	0.0757	71.79	0.64	208	289.85	72.85	0.5156	58.99	0.06723
90	95.09	132.00*	0.0757	71.59	0.65	210	293.06	72.88	0.5156	58.75	0.06738
92	96.82	135.53*	0.0757	71.39	0.66	212	296.27	72.91	0.5156	58.51	0.06753
94	98.56	139.11*	0.0757	71.19	0.67	214	299.48	72.94	0.5156	58.27	0.06768
96	100.31	142.74*	0.0757	70.99	0.68	216	302.69	72.97	0.5156	58.03	0.06783
98	102.07	146.42*	0.0757	70.79	0.69	218	305.90	73.00	0.5156	57.79	0.06798
100	103.84	150.15*	0.0757	70.59	0.70	220	309.11	73.03	0.5156	57.55	0.06813
102	105.62	153.93*	0.0757	70.39	0.71	222	312.32	73.06	0.5156	57.31	0.06828
104	107.41	157.76*	0.0757	70.19	0.72	224	315.53	73.09	0.5156	57.07	0.06843
106	109.21	161.64*	0.0757	69.99	0.73	226	318.74	73.12	0.5156	56.83	0.06858
108	111.02	165.57*	0.0757	69.79	0.74	228	321.95	73.15	0.5156	56.59	0.06873
110	112.84	169.54*	0.0757	69.59	0.75	230	325.16	73.18	0.5156	56.35	0.06888
112	114.67	173.56*	0.0757	69.39	0.76	232	328.37	73.21	0.5156	56.11	0.06903
114	116.51	177.63*	0.0757	69.19	0.77	234	331.58	73.24	0.5156	55.87	0.06918
116	118.36	181.75*	0.0757	68.99	0.78	236	334.79	73.27	0.5156	55.63	0.06933
118	120.22	185.92*	0.0757	68.79	0.79	238	338.00	73.30	0.5156	55.39	0.06948
120	122.09	190.14*	0.0757	68.59	0.80	240	341.21	73.33	0.5156	55.15	0.06963
122	123.97	194.41*	0.0757	68.39	0.81	242	344.42	73.36	0.5156	54.91	0.06978
124	125.86	198.73*	0.0757	68.19	0.82	244	347.63	73.39	0.5156	54.67	0.06993
126	127.76	203.10*	0.0757	67.99	0.83	246	350.84	73.42	0.5156	54.43	0.07008
128	129.67	207.52*	0.0757	67.79	0.84	248	354.05	73.45	0.5156	54.19	0.07023
130	131.59	211.99*	0.0757	67.59	0.85	250	357.26	73.48	0.5156	53.95	0.07038
132	133.52	216.51*	0.0757	67.39	0.86	252	360.47	73.51	0.5156	53.71	0.07053
134	135.46	221.08*	0.0757	67.19	0.87	254	363.68	73.54	0.5156	53.47	0.07068
136	137.41	225.70*	0.0757	66.99	0.88	256	366.89	73.57	0.5156	53.23	0.07083
138	139.37	230.37*	0.0757	66.79	0.89	258	370.10	73.60	0.5156	52.99	0.07098
140	141.34	235.09*	0.0757	66.59	0.90	260	373.31	73.63	0.5156	52.75	0.07113
142	143.32	239.86*	0.0757	66.39	0.91	262	376.52	73.66	0.5156	52.51	0.07128
144	145.31	244.68*	0.0757	66.19	0.92	264	379.73	73.69	0.5156	52.27	0.07143
146	147.32	249.55*	0.0757	65.99	0.93	266	382.94	73.72	0.5156	52.03	0.07158
148	149.34	254.47*	0.0757	65.79	0.94	268	386.15	73.75	0.5156	51.79	0.07173
150	151.38	259.44*	0.0757	65.59	0.95	270	389.36</				