

Table 6 Refrigerant 13 Properties of Superheated Vapor* (Continued)

Temp F	Abs Pressure 20 psi Gage Pressure 5.3 psi (Sat Temp. -103.85 F)			Abs Pressure 25 psi Gage Pressure 10.3 psi (Sat Temp. -95.59 F)			Abs Pressure 30 psi Gage Pressure 15.3 psi (Sat Temp. -88.51 F)			Abs Pressure 40 psi Gage Pressure 25.3 psi (Sat Temp. -76.69 F)		
	v	h	s	v	h	s	v	h	s	v	h	s
(At Sat)	(1.724)	(45.32)	(0.1897)	(1.401)	(49.21)	(0.1379)	(1.190)	(49.85)	(0.1385)	(0.8994)	(50.90)	(0.1343)
- 80	1.886	51.69	0.1487	1.478	51.39	0.1438	1.215	51.07	0.1397			
- 60	1.981	54.40	0.1357	1.570	54.19	0.1310	1.293	53.96	0.1470	0.6526	53.37	0.1406
- 40	2.092	57.22	0.1254	1.681	57.02	0.1270	1.374	56.80	0.1460	1.072	59.27	0.1545
- 20	2.222	60.03	0.1191	1.749	59.85	0.1194	1.448	59.67	0.1058	1.072	59.27	0.1545
0	2.311	62.89	0.1154	0.1754	1.839	62.74	0.1109	1.524	62.58	0.1071	1.130	62.25
20	2.418	65.80	0.1116	0.1816	1.926	65.60	0.1071	1.597	65.32	0.1074	1.186	65.22
40	2.523	68.77	0.1075	0.1878	2.012	68.64	0.1032	1.670	68.32	0.1075	1.242	68.26
60	2.631	71.79	0.1034	0.1934	2.097	71.66	0.0991	1.741	71.56	0.1074	1.296	71.33
80	2.738	74.87	0.1003	0.1993	2.183	74.77	0.0950	1.813	74.66	0.1073	1.351	74.45
100	2.843	78.00	0.0969	0.2050	2.267	77.91	0.0907	1.885	77.81	0.1070	1.406	77.61
120	2.948	81.20	0.0934	0.2107	2.353	81.11	0.0863	1.956	81.03	0.1069	1.459	80.84
140	3.054	84.45	0.0900	0.2163	2.437	84.37	0.0820	2.026	84.29	0.1068	1.513	84.12
160	3.167	87.75	0.0865	0.2218	2.521	87.68	0.0777	2.097	87.60	0.1067	1.566	87.44
180	3.283	91.11	0.0830	0.2270	2.606	91.03	0.0734	2.167	90.95	0.1066	1.620	90.80
200	3.397	94.51	0.0795	0.2322	2.689	94.45	0.0691	2.238	94.38	0.1065	1.672	94.24
220	3.511	97.97	0.0760	0.2372	2.772	97.91	0.0648	2.307	97.84	0.1064	1.725	97.71
240	3.624	101.48	0.0725	0.2424	2.856	101.32	0.0605	2.377	101.23	0.1063	1.778	101.23
260	3.738	105.03	0.0690	0.2473	2.929	104.98	0.0562	2.446	104.92	0.1062	1.830	104.80
280	3.852	108.63	0.0655	0.2524	3.022	108.58	0.0519	2.515	108.52	0.1061	1.883	108.41
300	3.965	112.27	0.0620	0.2572	3.105	112.22	0.0476	2.584	112.17	0.1060	1.936	112.06
320	4.079	115.95	0.0585	0.2620	3.189	115.90	0.0433	2.653	115.86	0.1059	1.988	115.73
340	4.193	119.67	0.0550	0.2667	3.272	119.63	0.0390	2.722	119.58	0.1058	2.040	119.49
360	4.307	123.44	0.0515	0.2713	3.356	123.39	0.0347	2.791	123.33	0.1057	2.092	123.25
380	4.421	127.24	0.0480	0.2758	3.439	127.20	0.0304	2.864	127.15	0.1056	2.145	127.07
400	4.535	131.07	0.0445	0.2803	3.523	131.02	0.0261	2.929	130.97	0.1055	2.198	130.93
420	4.649	134.93	0.0410	0.2847	3.606	134.88	0.0218	2.998	134.83	0.1054	2.251	134.80
440	4.763	138.82	0.0375	0.2892	3.690	138.73	0.0175	3.067	138.68	0.1053	2.304	138.64
460	4.877	142.74	0.0340	0.2936	3.773	142.64	0.0132	3.136	142.59	0.1052	2.357	142.55
480	4.991	146.69	0.0305	0.2981	3.857	146.59	0.0089	3.205	146.54	0.1051	2.410	146.50
500	5.105	150.67	0.0270	0.3025	3.940	150.49	0.0046	3.274	150.44	0.1050	2.463	150.40
520	5.219	154.68	0.0235	0.3070	4.024	154.50	0.0003	3.343	154.39	0.1049	2.516	154.29
540	5.333	158.72	0.0200	0.3114	4.107	158.54	-0.0040	3.412	158.44	0.1048	2.569	158.29
560	5.447	162.79	0.0165	0.3159	4.191	162.59	-0.0077	3.481	162.44	0.1047	2.622	162.24
580	5.561	166.89	0.0130	0.3203	4.274	166.69	-0.0114	3.550	166.39	0.1046	2.675	166.19
600	5.675	171.02	0.0095	0.3248	4.358	170.82	-0.0151	3.619	170.64	0.1045	2.728	170.50
620	5.789	175.18	0.0060	0.3292	4.441	174.97	-0.0188	3.688	174.79	0.1044	2.781	174.60
640	5.903	179.37	0.0025	0.3337	4.525	179.14	-0.0225	3.757	178.96	0.1043	2.834	178.77
660	6.017	183.59	-0.0010	0.3381	4.608	183.33	-0.0262	3.826	183.18	0.1042	2.887	183.53
680	6.131	187.84	-0.0025	0.3426	4.692	187.58	-0.0299	3.895	187.43	0.1041	2.940	187.38
700	6.245	192.12	-0.0040	0.3470	4.775	191.84	-0.0336	3.964	191.69	0.1040	2.993	191.63
720	6.359	196.43	-0.0055	0.3515	4.859	196.11	-0.0373	4.033	195.96	0.1039	3.046	195.88
740	6.473	200.77	-0.0070	0.3559	4.942	200.37	-0.0410	4.102	200.22	0.1038	3.099	200.13
760	6.587	205.14	-0.0085	0.3604	5.026	204.64	-0.0447	4.171	204.47	0.1037	3.152	204.38
780	6.701	209.54	-0.0100	0.3648	5.109	208.92	-0.0484	4.240	208.74	0.1036	3.205	208.69
800	6.815	213.97	-0.0115	0.3693	5.193	213.21	-0.0521	4.309	213.01	0.1035	3.258	213.00
820	6.929	218.43	-0.0130	0.3737	5.276	217.52	-0.0558	4.378	217.28	0.1034	3.311	217.25
840	7.043	222.92	-0.0145	0.3782	5.360	221.84	-0.0595	4.447	221.56	0.1033	3.364	221.51
860	7.157	227.44	-0.0160	0.3826	5.443	226.17	-0.0632	4.516	225.89	0.1032	3.417	225.76
880	7.271	231.99	-0.0175	0.3871	5.527	230.51	-0.0669	4.585	230.22	0.1031	3.470	230.11
900	7.385	236.57	-0.0190	0.3915	5.610	234.86	-0.0706	4.654	234.56	0.1030	3.523	234.46
920	7.499	241.18	-0.0205	0.3960	5.694	239.22	-0.0743	4.723	238.91	0.1029	3.576	238.81
940	7.613	245.82	-0.0220	0.4004	5.777	243.59	-0.0780	4.792	243.26	0.1028	3.629	243.11
960	7.727	250.49	-0.0235	0.4049	5.861	247.97	-0.0817	4.861	247.61	0.1027	3.682	247.46
980	7.841	255.19	-0.0250	0.4093	5.944	252.36	-0.0854	4.930	251.96	0.1026	3.735	251.81
1000	7.955	259.92	-0.0265	0.4138	6.028	256.76	-0.0891	5.000	256.31	0.1025	3.788	256.16
1020	8.069	264.68	-0.0280	0.4182	6.111	261.17	-0.0928	5.069	260.66	0.1024	3.841	260.51
1040	8.183	269.47	-0.0295	0.4227	6.195	265.59	-0.0965	5.138	265.01	0.1023	3.894	264.86
1060	8.297	274.29	-0.0310	0.4271	6.278	269.99	-0.1002	5.207	269.36	0.1022	3.947	269.21
1080	8.411	279.14	-0.0325	0.4316	6.362	274.40	-0.1039	5.276	273.71	0.1021	4.000	273.56
1100	8.525	284.02	-0.0340	0.4360	6.445	278.82	-0.1076	5.345	278.06	0.1020	4.053	277.91
1120	8.639	288.93	-0.0355	0.4405	6.529	283.25	-0.1113	5.414	282.41	0.1019	4.106	282.26
1140	8.753	293.87	-0.0370	0.4449	6.612	287.69	-0.1150	5.483	286.76	0.1018	4.159	286.61
1160	8.867	298.84	-0.0385	0.4494	6.696	292.14	-0.1187	5.552	291.11	0.1017	4.212	290.96
1180	8.981	303.84	-0.0400	0.4538	6.779	296.60	-0.1224	5.621	295.46	0.1016	4.265	295.31
1200	9.095	308.87	-0.0415	0.4583	6.863	301.07	-0.1261	5.690	300.22	0.1015	4.318	299.66
1220	9.209	313.93	-0.0430	0.4627	6.946	305.55	-0.1298	5.759	304.61	0.1014	4.371	304.01
1240	9.323	319.02	-0.0445	0.4672	7.030	310.04	-0.1335	5.828	308.96	0.1013	4.424	308.36
1260	9.437	324.14	-0.0460	0.4716	7.113	314.54	-0.1372	5.897	313.31	0.1012	4.477	312.71
1280	9.551	329.29	-0.0475	0.4761	7.197	319.05	-0.1409	5.966	317.66	0.1011	4.530	317.06
1300	9.665	334.47	-0.0490	0.4805	7.280	323.57	-0.1446	6.035	321.96	0.1010	4.583	321.41
1320	9.779	339.68	-0.0505	0.4850	7.364	328.10	-0.1483	6.104	326.31	0.1009	4.636	325.76
1340	9.893	344.92	-0.0520	0.4894	7.447	332.64	-0.1520	6.173	330.66	0.1008	4.689	330.11
1360	10.007	350.19	-0.0535	0.4939	7.531	337.19	-0.1557	6.242	334.96	0.1007	4.742	334.46
1380	10.121	355.49	-0.0550	0.4983	7.614	341.75	-0.1594	6.311	339.31	0.1006	4.795	338.81
1400	10.235	360.82	-0.0565	0.5028	7.698	346.32	-0.1631	6.380	343.66	0.1005	4.848	343.16
1420	10.349	366.18	-0.0580	0.5072	7.781	350.90	-0.1668	6.449	347.96	0.1004	4.901	347.51
1440	10.463	371.57	-0.0595	0.5117	7.865	355.49	-0.1705	6.518	352.31	0.1003	4.954	351.86
1460	10.577	376.99	-0.0610	0.5161	7.948	360.09	-0.1742	6.587	356.61	0.1002	5.007	356.21
1480	10.691	382.44	-0.0625	0.5206	8.032	364.70	-0.1779	6.656	360.91	0.1001	5.060	360.56
1500	10.805	387.92	-0.0640	0.5250	8.115	369.32	-0.1816	6.725	365.21	0.1000	5.113	364.91
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