



Forane[®] 507A

(50.0% R-125, 50.0% R-143a by weight)

Thermodynamic Properties (Saturation) - ENG

This data was generated using the NIST REFPROP Database

(Lemmon, E.W., Huber, M.L., McLinden, M.O. NIST Standard Reference Database 23: Reference Fluid Thermodynamic and Transport Properties-REFPROP, Version 9.0, National Institute of Standards and Technology, Standard Reference Data Program, Gaithersburg, 2010)



Thermodynamic Properties of R-507A - Saturation

Temperature (°F)	Pressure (psia)		Volume (ft ³ /lb)		Density (lb/ft ³)		Enthalpy (Btu/lb)		Entropy (Btu/(lb °R))		Temperature (°F)
	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	
-150	0.387	0.385	0.01082	86.95	92.41	0.01150	31.43	130.46	0.10145	0.42131	-150
-149	0.407	0.405	0.01083	82.84	92.30	0.01207	31.72	130.60	0.10239	0.42073	-149
-148	0.428	0.427	0.01085	78.96	92.20	0.01267	32.01	130.74	0.10333	0.42016	-148
-147	0.451	0.449	0.01086	75.29	92.09	0.01328	32.30	130.88	0.10426	0.41959	-147
-146	0.474	0.472	0.01087	71.81	91.99	0.01393	32.59	131.02	0.10519	0.41903	-146
-145	0.498	0.496	0.01088	68.52	91.88	0.01459	32.88	131.16	0.10612	0.41848	-145
-144	0.523	0.521	0.01090	65.41	91.78	0.01529	33.17	131.31	0.10704	0.41794	-144
-143	0.549	0.547	0.01091	62.46	91.67	0.01601	33.46	131.45	0.10795	0.41740	-143
-142	0.577	0.575	0.01092	59.66	91.57	0.01676	33.75	131.59	0.10887	0.41687	-142
-141	0.605	0.603	0.01093	57.01	91.46	0.01754	34.04	131.73	0.10978	0.41635	-141
-140	0.635	0.633	0.01095	54.50	91.36	0.01835	34.33	131.87	0.11068	0.41583	-140
-139	0.666	0.664	0.01096	52.12	91.25	0.01919	34.62	132.01	0.11159	0.41533	-139
-138	0.698	0.696	0.01097	49.86	91.15	0.02006	34.91	132.15	0.11249	0.41482	-138
-137	0.731	0.729	0.01098	47.71	91.05	0.02096	35.20	132.30	0.11338	0.41432	-137
-136	0.766	0.764	0.01100	45.67	90.94	0.02190	35.49	132.44	0.11428	0.41383	-136
-135	0.802	0.800	0.01101	43.73	90.84	0.02287	35.78	132.58	0.11517	0.41335	-135
-134	0.840	0.838	0.01102	41.89	90.73	0.02387	36.07	132.72	0.11606	0.41287	-134
-133	0.879	0.877	0.01103	40.14	90.63	0.02492	36.35	132.86	0.11694	0.41240	-133
-132	0.920	0.918	0.01105	38.47	90.53	0.02599	36.64	133.01	0.11782	0.41193	-132
-131	0.962	0.960	0.01106	36.89	90.42	0.02711	36.93	133.15	0.11870	0.41147	-131
-130	1.006	1.003	0.01107	35.38	90.32	0.02827	37.22	133.29	0.11957	0.41102	-130
-129	1.051	1.049	0.01109	33.94	90.22	0.02946	37.51	133.43	0.12044	0.41057	-129
-128	1.098	1.096	0.01110	32.57	90.11	0.03070	37.79	133.58	0.12131	0.41012	-128
-127	1.147	1.145	0.01111	31.27	90.01	0.03198	38.08	133.72	0.12218	0.40969	-127
-126	1.197	1.195	0.01112	30.03	89.91	0.03330	38.37	133.86	0.12304	0.40925	-126
-125	1.250	1.248	0.01114	28.84	89.80	0.03467	38.66	134.01	0.12390	0.40883	-125
-124	1.304	1.302	0.01115	27.72	89.70	0.03608	38.95	134.15	0.12476	0.40841	-124
-123	1.361	1.358	0.01116	26.64	89.60	0.03754	39.23	134.29	0.12562	0.40799	-123
-122	1.419	1.417	0.01117	25.61	89.49	0.03905	39.52	134.44	0.12647	0.40758	-122
-121	1.479	1.477	0.01119	24.63	89.39	0.04060	39.81	134.58	0.12732	0.40718	-121
-120	1.542	1.540	0.01120	23.69	89.29	0.04221	40.10	134.73	0.12817	0.40678	-120
-119	1.606	1.604	0.01121	22.80	89.19	0.04387	40.38	134.87	0.12901	0.40638	-119
-118	1.673	1.671	0.01123	21.94	89.08	0.04558	40.67	135.01	0.12985	0.40599	-118
-117	1.743	1.740	0.01124	21.12	88.98	0.04734	40.96	135.16	0.13069	0.40561	-117
-116	1.814	1.812	0.01125	20.34	88.88	0.04916	41.25	135.30	0.13153	0.40523	-116
-115	1.888	1.886	0.01127	19.60	88.77	0.05103	41.53	135.45	0.13236	0.40485	-115
-114	1.964	1.962	0.01128	18.88	88.67	0.05296	41.82	135.59	0.13320	0.40448	-114
-113	2.043	2.041	0.01129	18.20	88.57	0.05495	42.11	135.74	0.13403	0.40411	-113
-112	2.125	2.123	0.01130	17.54	88.47	0.05701	42.40	135.88	0.13485	0.40375	-112
-111	2.209	2.207	0.01132	16.92	88.36	0.05912	42.68	136.02	0.13568	0.40340	-111
-110	2.296	2.294	0.01133	16.32	88.26	0.06129	42.97	136.17	0.13650	0.40305	-110
-109	2.386	2.384	0.01134	15.74	88.16	0.06353	43.26	136.31	0.13732	0.40270	-109
-108	2.478	2.476	0.01136	15.19	88.06	0.06584	43.55	136.46	0.13814	0.40236	-108
-107	2.574	2.572	0.01137	14.66	87.95	0.06821	43.83	136.60	0.13896	0.40202	-107
-106	2.672	2.671	0.01138	14.16	87.85	0.07065	44.12	136.75	0.13977	0.40168	-106
-105	2.774	2.772	0.01140	13.67	87.75	0.07316	44.41	136.89	0.14059	0.40135	-105
-104	2.879	2.877	0.01141	13.20	87.64	0.07574	44.70	137.04	0.14140	0.40103	-104
-103	2.986	2.985	0.01142	12.76	87.54	0.07839	44.99	137.18	0.14220	0.40071	-103
-102	3.098	3.096	0.01144	12.33	87.44	0.08112	45.27	137.33	0.14301	0.40039	-102
-101	3.212	3.211	0.01145	11.92	87.34	0.08392	45.56	137.47	0.14381	0.40008	-101
-100	3.330	3.329	0.01146	11.52	87.23	0.08680	45.85	137.62	0.14462	0.39977	-100
-99	3.452	3.450	0.01148	11.14	87.13	0.08976	46.14	137.76	0.14542	0.39947	-99
-98	3.577	3.575	0.01149	10.78	87.03	0.09280	46.43	137.91	0.14621	0.39916	-98

Thermodynamic Properties of R-507A - Saturation

Temperature (°F)	Pressure (psia)		Volume (ft ³ /lb)		Density (lb/ft ³)		Enthalpy (Btu/lb)		Entropy (Btu/(lb °R))		Temperature (°F)
	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	
-97	3.705	3.704	0.01150	10.43	86.92	0.09592	46.72	138.06	0.14701	0.39887	-97
-96	3.838	3.837	0.01152	10.09	86.82	0.09912	47.00	138.20	0.14780	0.39858	-96
-95	3.974	3.973	0.01153	9.764	86.72	0.10241	47.29	138.35	0.14860	0.39829	-95
-94	4.114	4.113	0.01155	9.453	86.61	0.10579	47.58	138.49	0.14939	0.39800	-94
-93	4.259	4.258	0.01156	9.153	86.51	0.10925	47.87	138.64	0.15018	0.39772	-93
-92	4.407	4.406	0.01157	8.865	86.41	0.11281	48.16	138.78	0.15096	0.39744	-92
-91	4.559	4.558	0.01159	8.587	86.30	0.11645	48.45	138.93	0.15175	0.39717	-91
-90	4.716	4.715	0.01160	8.320	86.20	0.12019	48.74	139.07	0.15253	0.39690	-90
-89	4.877	4.876	0.01162	8.063	86.10	0.12402	49.03	139.22	0.15331	0.39663	-89
-88	5.042	5.042	0.01163	7.815	85.99	0.12795	49.32	139.36	0.15409	0.39637	-88
-87	5.212	5.212	0.01164	7.577	85.89	0.13198	49.61	139.51	0.15487	0.39611	-87
-86	5.387	5.386	0.01166	7.347	85.79	0.13611	49.90	139.65	0.15564	0.39585	-86
-85	5.566	5.565	0.01167	7.125	85.68	0.14034	50.19	139.80	0.15642	0.39560	-85
-84	5.750	5.749	0.01169	6.912	85.58	0.14468	50.48	139.95	0.15719	0.39535	-84
-83	5.939	5.938	0.01170	6.706	85.47	0.14912	50.77	140.09	0.15796	0.39510	-83
-82	6.133	6.132	0.01171	6.508	85.37	0.15367	51.06	140.24	0.15873	0.39486	-82
-81	6.331	6.331	0.01173	6.316	85.27	0.15832	51.35	140.38	0.15950	0.39462	-81
-80	6.535	6.535	0.01174	6.132	85.16	0.16309	51.64	140.53	0.16027	0.39438	-80
-79	6.745	6.744	0.01176	5.953	85.06	0.16797	51.93	140.67	0.16103	0.39415	-79
-78	6.959	6.959	0.01177	5.781	84.95	0.17297	52.22	140.82	0.16179	0.39392	-78
-77	7.179	7.179	0.01179	5.615	84.85	0.17808	52.51	140.96	0.16255	0.39369	-77
-76	7.405	7.404	0.01180	5.455	84.74	0.18331	52.81	141.11	0.16331	0.39347	-76
-75	7.636	7.636	0.01182	5.300	84.64	0.18866	53.10	141.25	0.16407	0.39324	-75
-74	7.873	7.872	0.01183	5.151	84.53	0.19414	53.39	141.40	0.16483	0.39303	-74
-73	8.115	8.115	0.01184	5.007	84.43	0.19974	53.68	141.54	0.16558	0.39281	-73
-72	8.364	8.364	0.01186	4.867	84.32	0.20547	53.97	141.69	0.16634	0.39260	-72
-71	8.619	8.619	0.01187	4.732	84.22	0.21132	54.27	141.83	0.16709	0.39239	-71
-70	8.880	8.879	0.01189	4.602	84.11	0.21731	54.56	141.98	0.16784	0.39218	-70
-69	9.147	9.147	0.01190	4.476	84.01	0.22343	54.85	142.12	0.16859	0.39198	-69
-68	9.420	9.420	0.01192	4.354	83.90	0.22968	55.15	142.27	0.16934	0.39178	-68
-67	9.700	9.700	0.01193	4.236	83.80	0.23607	55.44	142.41	0.17009	0.39158	-67
-66	9.986	9.986	0.01195	4.122	83.69	0.24260	55.73	142.56	0.17083	0.39138	-66
-65	10.28	10.28	0.01196	4.012	83.58	0.24927	56.03	142.70	0.17158	0.39119	-65
-64	10.58	10.58	0.01198	3.905	83.48	0.25609	56.32	142.85	0.17232	0.39100	-64
-63	10.89	10.89	0.01200	3.802	83.37	0.26305	56.62	142.99	0.17306	0.39081	-63
-62	11.20	11.20	0.01201	3.702	83.26	0.27016	56.91	143.14	0.17380	0.39063	-62
-61	11.52	11.52	0.01203	3.605	83.16	0.27742	57.21	143.28	0.17454	0.39044	-61
-60	11.85	11.85	0.01204	3.511	83.05	0.28483	57.50	143.42	0.17528	0.39026	-60
-59	12.19	12.19	0.01206	3.420	82.94	0.29240	57.80	143.57	0.17601	0.39008	-59
-58	12.53	12.53	0.01207	3.332	82.84	0.30012	58.09	143.71	0.17675	0.38991	-58
-57	12.88	12.88	0.01209	3.247	82.73	0.30801	58.39	143.86	0.17748	0.38974	-57
-56	13.24	13.24	0.01210	3.164	82.62	0.31605	58.68	144.00	0.17821	0.38957	-56
-55	13.60	13.60	0.01212	3.084	82.51	0.32426	58.98	144.14	0.17894	0.38940	-55
-54	13.98	13.98	0.01214	3.006	82.41	0.33264	59.28	144.29	0.17967	0.38923	-54
-53	14.36	14.36	0.01215	2.931	82.30	0.34119	59.57	144.43	0.18040	0.38907	-53
-52	14.75	14.75	0.01217	2.858	82.19	0.34990	59.87	144.57	0.18113	0.38891	-52
-51	15.15	15.15	0.01218	2.787	82.08	0.35879	60.17	144.72	0.18185	0.38875	-51
-50	15.55	15.55	0.01220	2.718	81.97	0.36786	60.46	144.86	0.18258	0.38859	-50
-49	15.97	15.97	0.01222	2.652	81.87	0.37710	60.76	145.00	0.18330	0.38843	-49
-48	16.39	16.39	0.01223	2.587	81.76	0.38653	61.06	145.15	0.18402	0.38828	-48
-47	16.83	16.83	0.01225	2.524	81.65	0.39614	61.36	145.29	0.18475	0.38813	-47
-46	17.27	17.27	0.01226	2.463	81.54	0.40594	61.66	145.43	0.18547	0.38798	-46
-45	17.72	17.72	0.01228	2.404	81.43	0.41593	61.96	145.57	0.18619	0.38784	-45

Thermodynamic Properties of R-507A - Saturation

Temperature (°F)	Pressure (psia)		Volume (ft ³ /lb)		Density (lb/ft ³)		Enthalpy (Btu/lb)		Entropy (Btu/(lb °R))		Temperature (°F)
	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	
-44	18.18	18.18	0.01230	2.347	81.32	0.42611	62.25	145.72	0.18690	0.38769	-44
-43	18.65	18.65	0.01231	2.291	81.21	0.43648	62.55	145.86	0.18762	0.38755	-43
-42	19.13	19.13	0.01233	2.237	81.10	0.44705	62.85	146.00	0.18834	0.38741	-42
-41	19.62	19.61	0.01235	2.184	80.99	0.45782	63.15	146.14	0.18905	0.38727	-41
-40	20.11	20.11	0.01236	2.133	80.88	0.46879	63.45	146.28	0.18976	0.38713	-40
-39	20.62	20.62	0.01238	2.084	80.77	0.47997	63.75	146.42	0.19048	0.38700	-39
-38	21.14	21.14	0.01240	2.035	80.66	0.49136	64.06	146.57	0.19119	0.38686	-38
-37	21.67	21.66	0.01242	1.988	80.55	0.50295	64.36	146.71	0.19190	0.38673	-37
-36	22.20	22.20	0.01243	1.943	80.44	0.51476	64.66	146.85	0.19261	0.38660	-36
-35	22.75	22.75	0.01245	1.898	80.33	0.52679	64.96	146.99	0.19332	0.38648	-35
-34	23.31	23.31	0.01247	1.855	80.21	0.53904	65.26	147.13	0.19402	0.38635	-34
-33	23.88	23.88	0.01248	1.813	80.10	0.55151	65.56	147.27	0.19473	0.38623	-33
-32	24.46	24.46	0.01250	1.772	79.99	0.56420	65.87	147.41	0.19544	0.38610	-32
-31	25.05	25.05	0.01252	1.733	79.88	0.57713	66.17	147.55	0.19614	0.38598	-31
-30	25.65	25.65	0.01254	1.694	79.77	0.59028	66.47	147.69	0.19684	0.38586	-30
-29	26.26	26.26	0.01256	1.657	79.65	0.60367	66.78	147.83	0.19755	0.38575	-29
-28	26.89	26.88	0.01257	1.620	79.54	0.61730	67.08	147.97	0.19825	0.38563	-28
-27	27.52	27.52	0.01259	1.584	79.43	0.63117	67.39	148.11	0.19895	0.38552	-27
-26	28.17	28.17	0.01261	1.550	79.31	0.64528	67.69	148.25	0.19965	0.38541	-26
-25	28.83	28.82	0.01263	1.516	79.20	0.65964	68.00	148.38	0.20035	0.38529	-25
-24	29.50	29.49	0.01265	1.483	79.09	0.67425	68.30	148.52	0.20105	0.38518	-24
-23	30.18	30.18	0.01266	1.451	78.97	0.68911	68.61	148.66	0.20174	0.38508	-23
-22	30.88	30.87	0.01268	1.420	78.86	0.70423	68.91	148.80	0.20244	0.38497	-22
-21	31.58	31.58	0.01270	1.390	78.74	0.71962	69.22	148.94	0.20314	0.38487	-21
-20	32.30	32.30	0.01272	1.360	78.63	0.73526	69.53	149.07	0.20383	0.38476	-20
-19	33.04	33.03	0.01274	1.331	78.51	0.75117	69.83	149.21	0.20452	0.38466	-19
-18	33.78	33.77	0.01276	1.303	78.40	0.76736	70.14	149.35	0.20522	0.38456	-18
-17	34.54	34.53	0.01278	1.276	78.28	0.78381	70.45	149.49	0.20591	0.38446	-17
-16	35.31	35.30	0.01279	1.249	78.17	0.80055	70.76	149.62	0.20660	0.38436	-16
-15	36.09	36.08	0.01281	1.223	78.05	0.81756	71.06	149.76	0.20729	0.38426	-15
-14	36.89	36.88	0.01283	1.198	77.93	0.83487	71.37	149.89	0.20798	0.38417	-14
-13	37.70	37.69	0.01285	1.173	77.82	0.85246	71.68	150.03	0.20867	0.38408	-13
-12	38.52	38.51	0.01287	1.149	77.70	0.87034	71.99	150.17	0.20936	0.38398	-12
-11	39.36	39.35	0.01289	1.126	77.58	0.88852	72.30	150.30	0.21004	0.38389	-11
-10	40.21	40.20	0.01291	1.103	77.46	0.90699	72.61	150.44	0.21073	0.38380	-10
-9	41.08	41.06	0.01293	1.080	77.34	0.92578	72.92	150.57	0.21142	0.38371	-9
-8	41.96	41.94	0.01295	1.058	77.23	0.94487	73.23	150.70	0.21210	0.38362	-8
-7	42.85	42.83	0.01297	1.037	77.11	0.96427	73.55	150.84	0.21279	0.38354	-7
-6	43.76	43.74	0.01299	1.016	76.99	0.98399	73.86	150.97	0.21347	0.38345	-6
-5	44.68	44.66	0.01301	0.996	76.87	1.0040	74.17	151.10	0.21415	0.38337	-5
-4	45.62	45.60	0.01303	0.976	76.75	1.0244	74.48	151.24	0.21483	0.38328	-4
-3	46.57	46.55	0.01305	0.957	76.63	1.0451	74.80	151.37	0.21552	0.38320	-3
-2	47.54	47.52	0.01307	0.938	76.51	1.0661	75.11	151.50	0.21620	0.38312	-2
-1	48.52	48.50	0.01309	0.920	76.39	1.0875	75.42	151.63	0.21688	0.38304	-1
0	49.52	49.50	0.01311	0.902	76.27	1.1092	75.74	151.77	0.21756	0.38296	0
1	50.53	50.51	0.01313	0.884	76.15	1.1312	76.05	151.90	0.21823	0.38288	1
2	51.56	51.54	0.01315	0.867	76.02	1.1536	76.37	152.03	0.21891	0.38280	2
3	52.61	52.58	0.01318	0.850	75.90	1.1763	76.68	152.16	0.21959	0.38273	3
4	53.67	53.64	0.01320	0.834	75.78	1.1994	77.00	152.29	0.22027	0.38265	4
5	54.75	54.72	0.01322	0.818	75.66	1.2229	77.32	152.42	0.22094	0.38258	5
6	55.84	55.81	0.01324	0.802	75.53	1.2468	77.63	152.55	0.22162	0.38250	6
7	56.95	56.92	0.01326	0.787	75.41	1.2710	77.95	152.68	0.22229	0.38243	7
8	58.08	58.05	0.01328	0.772	75.29	1.2956	78.27	152.81	0.22297	0.38236	8

Thermodynamic Properties of R-507A - Saturation

Temperature (°F)	Pressure (psia)		Volume (ft ³ /lb)		Density (lb/ft ³)		Enthalpy (Btu/lb)		Entropy (Btu/(lb °R))		Temperature (°F)
	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	
9	59.22	59.19	0.01331	0.757	75.16	1.3205	78.59	152.94	0.22364	0.38229	9
10	60.38	60.35	0.01333	0.743	75.04	1.3459	78.91	153.06	0.22432	0.38222	10
11	61.56	61.53	0.01335	0.729	74.91	1.3717	79.23	153.19	0.22499	0.38215	11
12	62.76	62.72	0.01337	0.715	74.79	1.3978	79.54	153.32	0.22566	0.38208	12
13	63.97	63.93	0.01339	0.702	74.66	1.4244	79.86	153.45	0.22633	0.38201	13
14	65.20	65.16	0.01342	0.689	74.54	1.4513	80.19	153.57	0.22700	0.38194	14
15	66.45	66.41	0.01344	0.676	74.41	1.4787	80.51	153.70	0.22767	0.38187	15
16	67.71	67.68	0.01346	0.664	74.28	1.5065	80.83	153.82	0.22834	0.38181	16
17	69.00	68.96	0.01349	0.652	74.15	1.5347	81.15	153.95	0.22901	0.38174	17
18	70.30	70.26	0.01351	0.640	74.03	1.5634	81.47	154.07	0.22968	0.38168	18
19	71.62	71.58	0.01353	0.628	73.90	1.5925	81.80	154.20	0.23035	0.38161	19
20	72.96	72.92	0.01356	0.617	73.77	1.6220	82.12	154.32	0.23102	0.38155	20
21	74.32	74.28	0.01358	0.605	73.64	1.6520	82.44	154.45	0.23169	0.38149	21
22	75.70	75.65	0.01360	0.594	73.51	1.6825	82.77	154.57	0.23235	0.38143	22
23	77.10	77.05	0.01363	0.584	73.38	1.7134	83.09	154.69	0.23302	0.38136	23
24	78.51	78.46	0.01365	0.573	73.25	1.7447	83.42	154.81	0.23369	0.38130	24
25	79.95	79.90	0.01368	0.563	73.12	1.7766	83.74	154.93	0.23435	0.38124	25
26	81.40	81.35	0.01370	0.553	72.99	1.8089	84.07	155.05	0.23502	0.38118	26
27	82.88	82.83	0.01373	0.543	72.85	1.8417	84.40	155.17	0.23568	0.38112	27
28	84.37	84.32	0.01375	0.533	72.72	1.8750	84.73	155.29	0.23635	0.38106	28
29	85.89	85.83	0.01378	0.524	72.59	1.9088	85.05	155.41	0.23701	0.38100	29
30	87.43	87.37	0.01380	0.515	72.45	1.9432	85.38	155.53	0.23768	0.38094	30
31	88.98	88.92	0.01383	0.506	72.32	1.9780	85.71	155.65	0.23834	0.38088	31
32	90.56	90.50	0.01385	0.497	72.19	2.0134	86.04	155.77	0.23901	0.38083	32
33	92.16	92.09	0.01388	0.488	72.05	2.0492	86.37	155.89	0.23967	0.38077	33
34	93.78	93.71	0.01391	0.479	71.92	2.0857	86.70	156.00	0.24033	0.38071	34
35	95.42	95.35	0.01393	0.471	71.78	2.1226	87.04	156.12	0.24099	0.38065	35
36	97.08	97.01	0.01396	0.463	71.64	2.1602	87.37	156.23	0.24166	0.38060	36
37	98.76	98.69	0.01399	0.455	71.50	2.1982	87.70	156.35	0.24232	0.38054	37
38	100.5	100.4	0.01401	0.447	71.37	2.2369	88.03	156.46	0.24298	0.38048	38
39	102.2	102.1	0.01404	0.439	71.23	2.2761	88.37	156.58	0.24364	0.38043	39
40	103.9	103.9	0.01407	0.432	71.09	2.3159	88.70	156.69	0.24430	0.38037	40
41	105.7	105.6	0.01410	0.424	70.95	2.3564	89.04	156.80	0.24496	0.38031	41
42	107.5	107.4	0.01412	0.417	70.81	2.3974	89.37	156.91	0.24562	0.38026	42
43	109.3	109.3	0.01415	0.410	70.67	2.4390	89.71	157.02	0.24629	0.38020	43
44	111.2	111.1	0.01418	0.403	70.53	2.4813	90.05	157.13	0.24695	0.38014	44
45	113.0	113.0	0.01421	0.396	70.38	2.5241	90.39	157.24	0.24761	0.38009	45
46	114.9	114.8	0.01424	0.389	70.24	2.5677	90.72	157.35	0.24827	0.38003	46
47	116.8	116.7	0.01427	0.383	70.10	2.6119	91.06	157.46	0.24893	0.37998	47
48	118.8	118.7	0.01430	0.376	69.95	2.6567	91.40	157.57	0.24959	0.37992	48
49	120.7	120.6	0.01433	0.370	69.81	2.7022	91.74	157.67	0.25025	0.37986	49
50	122.7	122.6	0.01436	0.364	69.66	2.7484	92.08	157.78	0.25090	0.37981	50
51	124.7	124.6	0.01439	0.358	69.52	2.7953	92.43	157.88	0.25156	0.37975	51
52	126.7	126.6	0.01442	0.352	69.37	2.8429	92.77	157.99	0.25222	0.37969	52
53	128.8	128.7	0.01445	0.346	69.22	2.8912	93.11	158.09	0.25288	0.37964	53
54	130.9	130.8	0.01448	0.340	69.07	2.9403	93.46	158.19	0.25354	0.37958	54
55	133.0	132.9	0.01451	0.334	68.92	2.9900	93.80	158.29	0.25420	0.37952	55
56	135.1	135.0	0.01454	0.329	68.77	3.0406	94.15	158.40	0.25486	0.37946	56
57	137.3	137.2	0.01457	0.323	68.62	3.0919	94.49	158.49	0.25552	0.37940	57
58	139.4	139.3	0.01461	0.318	68.47	3.1439	94.84	158.59	0.25618	0.37935	58
59	141.7	141.5	0.01464	0.313	68.32	3.1968	95.19	158.69	0.25684	0.37929	59
60	143.9	143.8	0.01467	0.308	68.16	3.2505	95.53	158.79	0.25750	0.37923	60
61	146.1	146.0	0.01470	0.303	68.01	3.3049	95.88	158.89	0.25816	0.37917	61

Thermodynamic Properties of R-507A - Saturation

Temperature (°F)	Pressure (psia)		Volume (ft ³ /lb)		Density (lb/ft ³)		Enthalpy (Btu/lb)		Entropy (Btu/(lb °R))		Temperature (°F)
	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	
62	148.4	148.3	0.01474	0.298	67.86	3.3603	96.23	158.98	0.25882	0.37911	62
63	150.7	150.6	0.01477	0.293	67.70	3.4164	96.58	159.08	0.25948	0.37905	63
64	153.1	153.0	0.01481	0.288	67.54	3.4734	96.94	159.17	0.26014	0.37899	64
65	155.4	155.3	0.01484	0.283	67.39	3.5313	97.29	159.26	0.26080	0.37892	65
66	157.8	157.7	0.01488	0.279	67.23	3.5901	97.64	159.35	0.26146	0.37886	66
67	160.3	160.1	0.01491	0.274	67.07	3.6498	98.00	159.44	0.26212	0.37880	67
68	162.7	162.6	0.01495	0.270	66.91	3.7104	98.35	159.53	0.26278	0.37873	68
69	165.2	165.0	0.01498	0.265	66.75	3.7720	98.71	159.62	0.26344	0.37867	69
70	167.7	167.6	0.01502	0.261	66.58	3.8345	99.06	159.71	0.26410	0.37860	70
71	170.2	170.1	0.01506	0.257	66.42	3.8980	99.42	159.80	0.26476	0.37854	71
72	172.8	172.6	0.01509	0.252	66.26	3.9625	99.78	159.88	0.26542	0.37847	72
73	175.4	175.2	0.01513	0.248	66.09	4.0280	100.14	159.96	0.26608	0.37840	73
74	178.0	177.8	0.01517	0.244	65.92	4.0945	100.50	160.05	0.26675	0.37834	74
75	180.6	180.5	0.01521	0.240	65.76	4.1621	100.86	160.13	0.26741	0.37827	75
76	183.3	183.2	0.01525	0.236	65.59	4.2308	101.22	160.21	0.26807	0.37820	76
77	186.0	185.9	0.01529	0.233	65.42	4.3005	101.59	160.29	0.26874	0.37812	77
78	188.8	188.6	0.01533	0.229	65.25	4.3714	101.95	160.37	0.26940	0.37805	78
79	191.5	191.4	0.01537	0.225	65.08	4.4434	102.32	160.44	0.27006	0.37798	79
80	194.3	194.2	0.01541	0.221	64.90	4.5166	102.68	160.52	0.27073	0.37790	80
81	197.2	197.0	0.01545	0.218	64.73	4.5909	103.05	160.59	0.27139	0.37783	81
82	200.0	199.8	0.01549	0.214	64.55	4.6665	103.42	160.66	0.27206	0.37775	82
83	202.9	202.7	0.01553	0.211	64.38	4.7433	103.79	160.74	0.27272	0.37767	83
84	205.8	205.6	0.01558	0.207	64.20	4.8214	104.16	160.81	0.27339	0.37759	84
85	208.8	208.6	0.01562	0.204	64.02	4.9008	104.53	160.87	0.27406	0.37751	85
86	211.8	211.6	0.01567	0.201	63.84	4.9815	104.90	160.94	0.27473	0.37743	86
87	214.8	214.6	0.01571	0.197	63.65	5.0635	105.28	161.01	0.27540	0.37735	87
88	217.8	217.6	0.01576	0.194	63.47	5.1469	105.65	161.07	0.27607	0.37726	88
89	220.9	220.7	0.01580	0.191	63.29	5.2317	106.03	161.13	0.27674	0.37718	89
90	224.0	223.8	0.01585	0.188	63.10	5.3180	106.41	161.19	0.27741	0.37709	90
91	227.2	227.0	0.01590	0.185	62.91	5.4058	106.78	161.25	0.27808	0.37700	91
92	230.3	230.1	0.01594	0.182	62.72	5.4951	107.17	161.31	0.27875	0.37691	92
93	233.6	233.4	0.01599	0.179	62.53	5.5859	107.55	161.37	0.27943	0.37681	93
94	236.8	236.6	0.01604	0.176	62.34	5.6783	107.93	161.42	0.28010	0.37672	94
95	240.1	239.9	0.01609	0.173	62.14	5.7724	108.31	161.47	0.28078	0.37662	95
96	243.4	243.2	0.01614	0.170	61.95	5.8681	108.70	161.52	0.28145	0.37652	96
97	246.7	246.5	0.01620	0.168	61.75	5.9655	109.09	161.57	0.28213	0.37642	97
98	250.1	249.9	0.01625	0.165	61.55	6.0647	109.47	161.62	0.28281	0.37632	98
99	253.5	253.3	0.01630	0.162	61.35	6.1657	109.86	161.66	0.28349	0.37621	99
100	257.0	256.8	0.01636	0.160	61.14	6.2686	110.26	161.70	0.28417	0.37610	100
101	260.5	260.3	0.01641	0.157	60.94	6.3733	110.65	161.74	0.28485	0.37599	101
102	264.0	263.8	0.01647	0.154	60.73	6.4800	111.04	161.78	0.28554	0.37588	102
103	267.6	267.3	0.01652	0.152	60.52	6.5888	111.44	161.82	0.28622	0.37577	103
104	271.2	270.9	0.01658	0.149	60.31	6.6996	111.84	161.85	0.28691	0.37565	104
105	274.8	274.6	0.01664	0.147	60.09	6.8125	112.24	161.88	0.28760	0.37553	105
106	278.5	278.2	0.01670	0.144	59.88	6.9277	112.64	161.91	0.28829	0.37540	106
107	282.2	281.9	0.01676	0.142	59.66	7.0451	113.04	161.94	0.28898	0.37528	107
108	285.9	285.7	0.01682	0.140	59.44	7.1648	113.45	161.96	0.28968	0.37515	108
109	289.7	289.5	0.01689	0.137	59.21	7.2870	113.85	161.99	0.29037	0.37502	109
110	293.5	293.3	0.01695	0.135	58.99	7.4116	114.26	162.00	0.29107	0.37488	110
111	297.4	297.1	0.01702	0.133	58.76	7.5388	114.67	162.02	0.29177	0.37474	111
112	301.3	301.0	0.01709	0.130	58.53	7.6687	115.09	162.03	0.29247	0.37460	112
113	305.2	305.0	0.01715	0.128	58.29	7.8013	115.50	162.04	0.29317	0.37445	113
114	309.2	308.9	0.01722	0.126	58.06	7.9368	115.92	162.05	0.29388	0.37430	114

Thermodynamic Properties of R-507A - Saturation

Temperature (°F)	Pressure (psia)		Volume (ft ³ /lb)		Density (lb/ft ³)		Enthalpy (Btu/lb)		Entropy (Btu/(lb °R))		Temperature (°F)
	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	
115	313.2	313.0	0.01730	0.124	57.82	8.0752	116.34	162.05	0.29459	0.37414	115
116	317.3	317.0	0.01737	0.122	57.57	8.2167	116.76	162.05	0.29530	0.37398	116
117	321.4	321.1	0.01744	0.120	57.33	8.3614	117.18	162.05	0.29601	0.37382	117
118	325.5	325.2	0.01752	0.118	57.08	8.5093	117.61	162.05	0.29673	0.37365	118
119	329.7	329.4	0.01760	0.115	56.82	8.6607	118.04	162.04	0.29744	0.37348	119
120	333.9	333.6	0.01768	0.113	56.57	8.8156	118.47	162.02	0.29817	0.37330	120
121	338.2	337.9	0.01776	0.111	56.31	8.9743	118.91	162.00	0.29889	0.37312	121
122	342.5	342.2	0.01784	0.109	56.04	9.1368	119.34	161.98	0.29962	0.37293	122
123	346.8	346.5	0.01793	0.107	55.77	9.3034	119.78	161.95	0.30035	0.37273	123
124	351.2	350.9	0.01802	0.106	55.50	9.4742	120.23	161.92	0.30109	0.37253	124
125	355.6	355.4	0.01811	0.104	55.22	9.6495	120.67	161.89	0.30183	0.37232	125
126	360.1	359.8	0.01820	0.102	54.94	9.8293	121.13	161.85	0.30257	0.37211	126
127	364.6	364.4	0.01830	0.100	54.65	10.014	121.58	161.80	0.30332	0.37189	127
128	369.2	368.9	0.01840	0.098	54.36	10.204	122.04	161.75	0.30407	0.37166	128
129	373.8	373.5	0.01850	0.096	54.06	10.399	122.50	161.69	0.30483	0.37142	129
130	378.5	378.2	0.01860	0.094	53.76	10.600	122.96	161.63	0.30559	0.37117	130
131	383.2	382.9	0.01871	0.093	53.45	10.807	123.43	161.56	0.30636	0.37092	131
132	387.9	387.6	0.01882	0.091	53.14	11.020	123.91	161.49	0.30713	0.37065	132
133	392.7	392.4	0.01894	0.089	52.81	11.240	124.38	161.40	0.30791	0.37038	133
134	397.6	397.3	0.01905	0.087	52.48	11.468	124.87	161.31	0.30870	0.37009	134
135	402.5	402.2	0.01918	0.085	52.15	11.702	125.36	161.21	0.30949	0.36979	135
136	407.4	407.1	0.01931	0.084	51.80	11.945	125.85	161.11	0.31029	0.36948	136
137	412.4	412.1	0.01944	0.082	51.45	12.197	126.35	160.99	0.31110	0.36916	137
138	417.4	417.1	0.01958	0.080	51.08	12.458	126.86	160.86	0.31192	0.36882	138
139	422.5	422.2	0.01972	0.079	50.71	12.730	127.37	160.73	0.31275	0.36847	139
140	427.7	427.4	0.01987	0.077	50.32	13.012	127.89	160.58	0.31359	0.36810	140
141	432.9	432.6	0.02003	0.075	49.93	13.306	128.42	160.42	0.31444	0.36771	141
142	438.1	437.8	0.02020	0.073	49.52	13.613	128.96	160.24	0.31530	0.36730	142
143	443.4	443.1	0.02037	0.072	49.09	13.935	129.51	160.06	0.31617	0.36687	143
144	448.8	448.5	0.02055	0.070	48.65	14.272	130.07	159.85	0.31707	0.36641	144
145	454.2	453.9	0.02075	0.068	48.20	14.627	130.64	159.63	0.31797	0.36592	145
146	459.7	459.4	0.02096	0.067	47.72	15.002	131.22	159.38	0.31890	0.36541	146
147	465.2	464.9	0.02118	0.065	47.22	15.399	131.82	159.12	0.31985	0.36486	147
148	470.8	470.5	0.02142	0.063	46.70	15.821	132.43	158.83	0.32083	0.36427	148
149	476.4	476.2	0.02167	0.061	46.14	16.273	133.06	158.51	0.32183	0.36364	149
150	482.1	481.9	0.02195	0.060	45.55	16.759	133.72	158.15	0.32287	0.36295	150
151	487.9	487.6	0.02226	0.058	44.93	17.286	134.40	157.75	0.32395	0.36220	151
152	493.7	493.5	0.02260	0.056	44.25	17.862	135.12	157.31	0.32508	0.36137	152
153	499.6	499.4	0.02298	0.054	43.51	18.500	135.87	156.81	0.32627	0.36044	153
154	505.6	505.4	0.02342	0.052	42.69	19.218	136.68	156.22	0.32755	0.35940	154
155	511.7	511.5	0.02395	0.050	41.76	20.045	137.56	155.54	0.32894	0.35819	155
156	517.8	517.6	0.02459	0.048	40.68	21.029	138.55	154.70	0.33050	0.35674	156
157	524.0	523.8	0.02543	0.045	39.33	22.271	139.71	153.62	0.33234	0.35490	157
158	530.3	530.2	0.02671	0.042	37.44	24.039	141.25	152.07	0.33478	0.35230	158
159	536.7	536.6	0.03020	0.036	33.11	28.114	144.55	148.53	0.34007	0.34650	159