

Refrigerant R-134a Properties in Metric Units

MPa	deg-C	Spec. Volume		Internal energy		Enthalpy		Entropy	
		m ³ /kg		kJ/kg		kJ/kg		kJ/kg*K	
Press.	Sat. temp.	Sat. liquid	Sat. vapor	Sat. liquid	Sat. vapor	Sat. liquid	Sat. vapor	Sat. liquid	Sat. vapor
<i>p</i>	<i>T_{sat@p}</i>	<i>v_f</i>	<i>v_g</i>	<i>u_f</i>	<i>u_g</i>	<i>h_f</i>	<i>h_g</i>	<i>s_f</i>	<i>s_g</i>
0.06	-37.07	0.00071	0.31	3.41	206.12	3.46	224.72	0.0147	0.952
0.08	-31.21	0.000718	0.2366	10.41	209.46	10.47	228.39	0.044	0.9447
0.1	-26.43	0.000726	0.1917	16.22	212.18	16.29	231.35	0.0678	0.9395
0.12	-22.36	0.000732	0.1614	21.23	214.5	21.32	233.86	0.0879	0.9354
0.14	-18.8	0.000738	0.1395	25.66	216.52	25.77	236.04	0.1055	0.9322
0.16	-15.62	0.000744	0.1229	29.66	218.32	29.78	237.97	0.1211	0.9295
0.18	-12.73	0.000749	0.1098	33.31	219.94	33.45	239.71	0.1352	0.9273
0.2	-10.09	0.000753	0.0993	36.69	221.43	36.84	241.3	0.1481	0.9253
0.24	-5.37	0.000762	0.0834	42.77	224.07	42.95	244.09	0.171	0.9222
0.28	-1.23	0.00077	0.0719	48.18	226.38	48.39	246.52	0.1911	0.9197
0.32	2.48	0.000777	0.0632	53.06	228.43	53.31	248.66	0.2089	0.9177
0.36	5.84	0.000784	0.0564	57.54	230.28	57.82	250.58	0.2251	0.916
0.4	8.93	0.00079	0.0509	61.69	231.97	62	252.32	0.2399	0.9145
0.5	15.74	0.000806	0.0409	70.93	235.64	71.33	256.07	0.2723	0.9117
0.6	21.58	0.00082	0.0341	78.99	238.74	79.48	259.19	0.2999	0.9097
0.7	26.72	0.000833	0.0292	86.19	241.42	86.78	261.85	0.3242	0.908
0.8	31.33	0.000845	0.0255	92.75	243.78	93.42	264.15	0.3459	0.9066
0.9	35.53	0.000858	0.0226	98.79	245.88	99.56	266.18	0.3656	0.9054
1	39.39	0.00087	0.0202	104.42	247.77	105.29	267.97	0.3838	0.9043
1.2	46.32	0.000893	0.0166	114.69	251.03	115.76	270.99	0.4164	0.9023
1.4	52.43	0.000916	0.014	123.98	253.74	125.26	273.4	0.4453	0.9003
1.6	57.92	0.000939	0.0121	132.52	256	134.02	275.33	0.4714	0.8982
1.8	62.91	0.000963	0.0105	140.49	257.88	142.22	276.83	0.4954	0.8959
2	67.49	0.000988	0.0093	148.02	259.41	149.99	277.94	0.5178	0.8934
2.5	77.59	0.001056	0.0069	165.48	261.84	168.12	279.17	0.5687	0.8854
3	86.22	0.001142	0.0053	181.88	262.16	185.3	278.01	0.6156	0.8735

Source: ASHRAE Transaction 94, pp. 2095-118