



Pressure Temperature Charts

°F	°C	R-134A
-40	-40	14.8
-35	-37.2	12.5
-30	-34.4	9.9
-25	-31.7	6.9
-20	-28.9	3.7
-15	-26.1	0.6
-10	-23.3	1.9
-5	-20.6	4.0
0	-17.8	6.5
5	-15.0	9.1
10	-12.2	11.9
15	-9.4	15.0
20	-6.7	18.4
25	-3.9	22.1
30	-1.1	26.1
35	1.7	30.4
40	4.4	35.0
45	7.2	40.1
50	10.0	45.5
55	12.8	51.3

°F	°C	R-134A
60	15.6	57.5
65	18.3	64.1
70	21.1	71.2
75	23.9	78.8
80	26.7	86.8
85	29.4	95.4
90	32.2	104.0
95	35.0	114.0
100	37.8	124.0
105	40.6	135.0
110	43.3	147.0
115	46.1	159.0
120	48.9	171.0
125	51.7	185.0
130	54.4	199.0
135	57.2	214.0
140	60.0	229.0
145	62.8	246.0
150	65.6	263.0

Vapor Pressure in PSIG
In Vacuum (inches in Hg)

Refrigerant Boiling Point

Refrigerant	Components	BP (0 PSIG):
R-134A	R-134A(100%) 1,1,1,2-Tetrafluoroethane	-14.9°F

Liquid Density

Refrigerant		-80°F	-40°F	0°F	40°F	80°F	120°F
R-134A	#/cu. ft.	92.4	88.5	84.4	79.9	75.0	69.2
	#/gal.	12.4	11.8	11.3	10.7	10.0	9.3

Physical Properties

	R-134A
Environmental Classification	HCFC
Molecular Weight	102.3
Boiling Point (1atm, °F)	-14.9
Critical Pressure (psia)	588.3
Critical Temperature (°F)	213.8
Critical Density (lb./ft ^3)	32.04
Vapor Density (bp ,lb./ft ^3)	0.328
Heat of Vaporization (bp, BTU/lb.)	93.3
Global Warming Potential (CO2 = 1.0)	1430
ASHRAE Standard 34 Safety Rating	A1

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