

Pressure Temperature Charts



°F	°C	R-408A
-40	-40.0	2.8
-35	-37.2	5.1
-30	-34.4	7.6
-25	-31.7	10.4
-20	-28.9	13.5
-15	-26.1	16.8
-10	-23.3	20.4
-5	-20.6	24.4
0	-17.8	28.7
5	-15.0	33.3
10	-12.2	38.3
15	-9.4	43.7
20	-6.7	49.5
25	-3.9	55.8
30	-1.1	62.5
35	1.7	69.7
40	4.4	77.4
45	7.2	85.6
50	10.0	94.3
55	12.8	104

°F	°C	R-408A
60	15.6	114
65	18.3	124
70	21.1	135
75	23.9	147
80	26.7	159
85	29.4	173
90	32.2	186
95	35.0	201
100	37.8	217
105	40.6	233
110	43.3	250
115	46.1	268
120	48.9	287
125	51.7	307
130	54.4	327
135	57.2	349
140	60.0	372
145	62.8	-
150	65.6	-

Vapor Pressure in PSIG

Refrigerant Boiling Point

Refrigerant	Components	BP
R-408A	R-22 (47%), R-143a (46%), R-125 (7%) Chlorodifluoromethane, 1,1,1-Trifluoroethane, Pentafluoroethane	-49.8°F

Liquid Density

Refrigerant		-80°F	-40°F	0°F	40°F	80°F	120°F
R-408A	#/cu. ft.	83.68	79.79	75.62	71.01	65.71	59.15
	#/gal.	11.19	10.67	10.11	9.49	8.78	7.91

Physical Properties

	R-408A
Environmental Classification	HCFC
Molecular Weight	87
Boiling Point (1atm,°F)	-49.8
Critical Pressure (psia)	641.6
Critical Temperature (°F)	182
Critical Density (lb./ft ³)	30
Vapor Density (bp,lb./ft ³)	0.303
Heat of Vaporization (bp,BTU/lb.)	96.74
Global Warming Potential (CO ₂ = 1.0)	3431.9
ASHRAE Standard 34 Safety Rating	A1