



Pressure Temperature Charts

°F	°C	R-409A Liquid	R-409A Vapor
-30	-34.4	0.2	9.9
-25	-31.7	1.8	7.0
-20	-28.9	3.9	3.8
-15	-26.1	6.2	0.3
-10	-23.3	8.7	1.7
-5	-20.6	11.4	3.8
0	-17.8	14.4	6.1
5	-15.0	17.6	8.6
10	-12.2	21.1	11.4
15	-9.4	24.9	14.4
20	-6.7	29.0	17.6
25	-3.9	33.4	21.2
30	-1.1	38.1	25.0
35	1.7	43.2	29.2
40	4.4	48.6	33.6
45	7.2	54.4	38.5
50	10.0	60.6	43.6
55	12.8	67.2	49.2

°F	°C	R-409A Liquid	R-409A Vapor
60	15.6	74.2	55.2
65	18.3	81.7	61.5
70	21.1	89.6	68.5
75	23.9	98.0	75.6
80	26.7	107.0	83.4
85	29.4	116.0	91.6
90	32.2	126.0	100.0
95	35.0	137.0	110.0
100	37.8	148.0	120.0
105	40.6	159.0	130.0
110	43.3	172.0	141.0
115	46.1	184.0	153.0
120	48.9	198.0	165.0
125	51.7	212.0	178.0
130	54.4	227.0	192.0
135	57.2	242.0	207.0
140	60.0	258.0	222.0

Vapor Pressure in PSIG
In Vacuum (inches in Hg)

Refrigerant Boiling Point

Refrigerant	Components	BP (0 PSIG):
R-409A	R-22 (60%), R-124 (25%), R-142b (15%) Chlorodifluoromethane, 1- Chloro-1,2,2,2-Tetrafluoroethane, 1-Chloro-1,1 Difluoroethane	-31.8°F

Physical Properties

	R-409A
Environmental Classification	HCFC
Molecular Weight	97.4 g/mol
Boiling Point (1atm,°F)	-31.8
Critical Pressure (psia)	680.7
Critical Temperature (°F)	224.4
Critical Density (lb./ft ^3)	31.7
Vapor Density (bp, lb./ft ^3)	0.313
Heat of Vaporization (bp, BTU/lb.)	94.75
Global Warming Potential (CO2 = 1.0)	1584.75
ASHRAE Standard 34 Safety Rating	A1

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