


Physical Properties of Refrigerants	R-409A
Environmental Classification	HCFC
Molecular Weight	97.4
Boiling Point (1atm, °F)	-31.8
Critical Pressure (psia)	680.7
Critical Temperature (°F)	224.4
Critical Density(lb./ft ³)	31.7
Liquid Density (20 °F,lb./ft ³)	76.1
Vapor Density (bp,lb./ft ³)	0.313
Heat of Vaporization(bp,BTU/lb.)	94.75
Specific Head Liquid(20 °F, BTU/lb. °F)	0.2908
Specific Head Vapor (1atm, 20 °F,BTU/lb. °F)	0.1685
Ozone Depletion Potential (CFC 11 -1.0)	0.047
Global Warming Potential (CO ₂ = 1.0)	1585
ASHRAE Standard 34 Safety Rating	A1

Pressure- Temp

Temp °F	Liquid psig
-30	0.2"
-25	1.8
-20	3.9
-15	6.2
-10	8.7
-5	11.4
0	14.4
5	17.6
10	21.1
15	24.9
20	29
25	33.4
30	38.1
35	43.2
40	48.6
45	54.4
50	60.6
55	67.2
60	74.2
65	81.7
70	89.6
75	98
80	107
85	116
90	126
95	137
100	148
105	159
110	172
115	184
120	198
125	212
130	227
135	242
140	258

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 **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

This information is believed to be accurate and reliable but is provided for guidance only. A-Gas acceptst no responsibility and the user assumes all risks and liability for use of this information.

Chart

Vapor psig
9.8"
7.0"
3.8"
0.3"
1.7
3.8
6.1
8.6
11.4
14.4
17.6
21.2
25.0
29.2
33.6
38.5
43.6
49.2
55.2
61.5
68.4
75.6
3.4
91.6
100
110
120
130
141
153
165
178
192
207
222