


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 <sup>3</sup> )	31.7
Liquid Density (20 °F,lb./ft <sup>3</sup> )	76.1
Vapor Density (bp,lb./ft <sup>3</sup> )	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 <sub>2</sub> =1.0)	1585
ASHRAE Standard 34 Safety Rating	A1

Pressure- Temp Chart

Temp °F	Liquid psig	Vapor psig
-30	0.2"	9.8"
-25	1.8	7.0"
-20	3.9	3.8"
-15	6.2	0.3"
-10	8.7	1.7
-5	11.4	3.8
0	14.4	6.1
5	17.6	8.6
10	21.1	11.4
15	24.9	14.4
20	29	17.6
25	33.4	21.2
30	38.1	25.0
35	43.2	29.2
40	48.6	33.6
45	54.4	38.5
50	60.6	43.6
55	67.2	49.2
60	74.2	55.2
65	81.7	61.5
70	89.6	68.4
75	98	75.6
80	107	3.4
85	116	91.6
90	126	100
95	137	110
100	148	120
105	159	130
110	172	141
115	184	153
120	198	165
125	212	178
130	227	192
135	242	207
140	258	222

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 **WARNING:** Cancer and Reproductive Harm -  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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