

Physical Properties of Refrigerant	R407C
Environmental Classification	HFC
Molecular Weight	109.9
Boiling Point (1atm, °F)	-45.8
Critical Pressure (psia)	566.2
Critical Temperature (°F)	175.2
Critical Density(lb./ft <sup>3</sup> )	33
Saturated Liquid Density @ 86°F, (lb/ft <sup>3</sup> )	70.9
Vapor Density (bp,lb./ft <sup>3</sup> )	0.372
Heat of Vaporization(bp,BTU/lb.)	81.8
Specific Heat of Liquid @ 86°F, (Btu/lb.°F)	0.339
Specific Head Vapor (1atm, 20 °F,BTU/lb. °F)	0.2
Ozone Depletion Potential (CFC 11 -1.0)	0
Global Warming Potential (CO <sub>2</sub> = 1.0)	2730
ASHRAE Standard 34 Safety Rating	A1

Pressure- Temp Chart

Temp °F	Liquid psig	Vapor psig
-40	2.4	2.3
-35	4.6	0.8
-30	7.1	3
-25	9.9	5.4
-20	12.9	8.1
-15	16.2	11
-10	19.8	14.3
-5	23.7	17.8
0	27.9	21.7
5	32.5	25.8
10	37.5	30.4
15	42.8	35.3
20	48.5	40.7
25	54.7	46.4
30	61.3	52.6
35	68.4	59.3
40	75.9	66.4
45	84	74
50	92.6	82.2
55	102	90.9
60	111	100
65	122	110
70	133	121
75	144	132
80	156	144
85	169	156
90	183	170
95	197	184
100	212	198
105	228	214
110	245	231
115	262	248
120	281	266
125	300	286
130	320	306
135	341	327
140	364	350

# R422D



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

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