

Physical Properties of Refrigerants	R-407C
Environmental Classification	HFC
Molecular Weight	86.2
Boiling Point (1atm, °F)	-43.6
Critical Pressure (psia)	672.1
Critical Temperature (°F)	187
Critical Density(lb./ft <sup>3</sup> )	32
Liquid Density (20 °F,lb./ft <sup>3</sup> )	72.4
Vapor Density (bp,lb./ft <sup>3</sup> )	0.289
Heat of Vaporization(bp,BTU/lb.)	106.7
Specific Head Liquid( 20 °F, BTU/lb. °F)	0.3597
Specific Head Vapor (1atm, 20 °F,BTU/lb. °F)	0.1987
Ozone Depletion Potential (CFC 11 -1.0)	0
Global Warming Potential (CO <sub>2</sub> = 1.0)	1770
ASHRAE Standard 34 Safety Rating	A1

Pressure- Temp Chart

Temp °F	Liquid psig	Vapor psig
-40	3	4.4"
-35	5.4	0.6"
-30	8	1.8
-25	10.9	4.1
-20	14.1	6.6
-15	17.6	9.4
-10	21.3	12.5
-5	25.4	15.9
0	29.9	19.6
5	34.7	23.6
10	39.9	28.0
15	45.6	32.8
20	51.6	38.0
25	58.2	43.6
30	65.2	49.6
35	72.6	56.1
40	80.7	63.1
45	89.2	70.6
50	98.3	78.7
55	108	87.3
60	118	96.8
65	129	106
70	141	117
75	153	128
80	166	140
85	180	153
90	195	166
95	210	181
100	226	196
105	243	211
110	261	229
115	280	247
120	300	266
125	321	286
130	342	307
135	365	329
140	389	353

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