

Physical Properties of Refrigerants	R-412A
Environmental Classification	HCFC
Molecular Weight	92.17
Boiling Point (1atm, °F)	-36.4
Critical Pressure (psia)	4.88
Critical Temperature (°F)	161.4
Critical Density(lb./ft ³)	
Liquid Density (70 °F,lb./ft ³)	
Vapor Density (bp,lb./ft ³)	66.9
Heat of Vaporization(bp,BTU/lb.)	
Specific Heat Liquid(20 °F, BTU/lb. °F)	
Specific Heat Vapor (1atm, 70 °F,BTU/lb. °F)	
Ozone Depletion Potential (CFC 11 -1.0)	0.035
Global Warming Potential (CO ₂ = 1.0)	0.478
ASHRAE Standard 34 Safety Rating	A2

Pressure- Temp
Chart

Temp °F	R-412apsig
-40	1.7
-35	1
-30	3
-25	5.2
-20	7.6
-15	10.2
-10	13.1
-5	16.2
0	19.6
5	23.2
10	27.2
15	31.4
20	36
25	40.9
30	46.2
35	51.8
40	57.9
45	64.3
50	71.2
55	78.5
60	86.3
65	94.5
70	103.2
75	112.5
80	122.3
85	132.6
90	143.5
95	154.9
100	167
105	179.7
110	193
115	207
120	221.7
125	237
130	253.1
135	269.9
140	287.5
145	305.8
150	324.9

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