

Physical Properties of Refrigerants	R-152a
Environmental Classification	HFC
Molecular Weight	66.05
Boiling Point (1atm, °F)	-13
Critical Pressure (psia)	690.379
Critical Temperature (°F)	237.2
Critical Density(lb./ft ³)	
Liquid Density (77°F, lb./ft ³)	
Vapor Density (77°F and 1 atm, lb/ft ³)	2.4
Heat of Vaporization(bp, BTU/lb.)	
Specific Heat Liquid(77 °F, BTU/lb. °F)	
Specific Heat Vapor (1atm, 77 °F, BTU/lb. °F)	
Ozone Depletion Potential (CFC 11 -1.0)	0
Global Warming Potential (CO ₂ = 1.0)	124
ASHRAE Standard 34 Safety Rating	A2

Pressure- Temp
Chart

Temp °F	R-152a psig
-40	-16
-35	-13.9
-30	-11.5
-25	-8.9
-20	-5.9
-15	-2.7
-10	0.5
-5	2.4
0	4.5
5	6.9
10	9.4
15	12.2
20	15.2
25	18.5
30	22.1
35	25.9
40	30.1
45	34.6
50	39.4
55	44.5
60	50.1
65	56
70	62.3
75	69
80	76.2
85	83.8
90	91.9
95	100.4
100	109.5
105	119.1
110	129.3
115	140
120	151.4
125	163.3
130	175.9
135	189.1
140	203
145	217.5
150	232.9

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