

Physical Properties of Refrigerants	R-13b1
Environmental Classification	BFC
Molecular Weight	148.91
Boiling Point (1atm, °F)	-71.95
Critical Pressure (psia)	573.76
Critical Temperature (°F)	152.42
Critical Density(lb./ft ³)	46.48075
Liquid Density (70 °F,lb./ft ³)	124.4008
Vapor Density (bp,lb./ft ³)	3.03
Heat of Vaporization(bp,BTU/lb.)	50.16853
Specific Heat Liquid(20 °F, BTU/lb. °F)	
Specific Heat Vapor (1atm, 70 °F,BTU/lb. °F)	
Ozone Depletion Potential (CFC 11 -1.0)	16
Global Warming Potential (CO ₂ = 1.0)	7140
ASHRAE Standard 34 Safety Rating	A1

Pressure- Temp
Chart

Temp °F	R-13b1 psig
-40	17.8
-35	21.5
-30	25.4
-25	29.7
-20	34.3
-15	39.2
-10	44.6
-5	50.3
0	56.5
5	63.1
10	70.2
15	77.8
20	85.8
25	94.4
30	103.5
35	113.2
40	123.5
45	134.3
50	145.8
55	157.9
60	170.7
65	184.1
70	198.2
75	213.1
80	228.6
85	245
90	262
95	279.9
100	298.6
105	318
110	338.3
115	359.5
120	381.5
125	407.8
130	432.9
135	459.2
140	487
145	516.2

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