

Physical Properties of Refrigerants	R-13
Environmental Classification	CFC
Molecular Weight	104.46
Boiling Point (1atm, °F)	-114.5
Critical Pressure (psia)	562.6
Critical Temperature (°F)	83.9
Critical Density(lb./ft ³)	36.38
Liquid Density (70 °F,lb./ft ³)	56.927
Vapor Density (bp,lb./ft ³)	
Heat of Vaporization(bp,BTU/lb.)	24.1
Specific Heat Liquid(20 °F, BTU/lb. °F)	
Specific Heat Vapor (1atm, 70 °F,BTU/lb. °F)	0.152
Ozone Depletion Potential (CFC 11 -1.0)	1
Global Warming Potential (CO ₂ = 1.0)	14400
ASHRAE Standard 34 Safety Rating	A1

Pressure- Temp
Chart

Temp °F	R-13 psig
-40	73.4
-35	82.3
-30	91.7
-25	101.9
-20	112.7
-15	124.3
-10	136.6
-5	149.6
0	163.5
5	178.2
10	193.7
15	210.2
20	227.5
25	245.8
30	265.1
35	285.3
40	306.6
45	329
50	352.5
55	377.1
60	408
65	436.9
70	467.5
75	500.2
80	
85	
90	
95	
100	
105	
110	
115	
120	
125	
130	

R-13

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