

Physical Properties of Refrigerants	R-407B
Environmental Classification	HFC
Molecular Weight	102.9
Boiling Point (1atm, °F)	-46.8
Critical Pressure (psia)	4.13
Critical Temperature (°F)	74.9
Critical Density(lb./ft ³)	
Liquid Density (20 °F,lb./ft ³)	
Vapor Density (bp,lb./ft ³)	
Heat of Vaporization(bp,BTU/lb.)	
Specific Head Liquid(20 °F, BTU/lb. °F)	
Specific Head Vapor (1atm, 20 °F,BTU/lb. °F)	
Ozone Depletion Potential (CFC 11 -1.0)	0
Global Warming Potential (CO ₂ = 1.0)	0.586
ASHRAE Standard 34 Safety Rating	A1

Pressure- Temp
Chart

Temp °F	R-407B psig
-40	5.9
-35	8.6
-30	11.5
-25	14.8
-20	18.4
-15	22.2
-10	26.5
-5	31.1
0	36.1
5	41.5
10	47.3
15	53.6
20	60.3
25	67.6
30	75.3
35	83.6
40	92.5
45	101.9
50	112
55	122.7
60	134.1
65	146.2
70	158.9
75	172.5
80	186.8
85	201.9
90	217.8
95	234.5
100	252.2
205	270.8
110	290.2
115	310.7
120	332.1
125	354.6
130	378.1
135	402.7
140	428.9
145	455.1
150	482.9

R-407B

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