

Physical Properties of Refrigerants	R-407A
Environmental Classification	HFC
Molecular Weight	90.1
Boiling Point (1atm, °F)	-49.9
Critical Pressure (psia)	658.6
Critical Temperature (°F)	181
Critical Density(lb./ft ³)	31.4
Liquid Density (20 °F,lb./ft ³)	72.6
Vapor Density (bp,lb./ft ³)	0.291
Heat of Vaporization(bp,BTU/lb.)	100.8
Specific Head Liquid(20 °F, BTU/lb. °F)	0.3554
Specific Head Vapor (1atm, 20 °F,BTU/lb. °F)	0.1967
Ozone Depletion Potential (CFC 11 -1.0)	0
Global Warming Potential (CO ₂ = 1.0)	2110
ASHRAE Standard 34 Safety Rating	A1

Pressure- Temp Chart

Temp °F	Liquid psig	Vapor psig
-40	3.9	1.0"
-35	6.4	1
-30	9.2	3.3
-25	12.2	5.8
-20	15.6	8.5
-15	19.2	11.5
-10	23.2	14.9
-5	27.5	18.5
0	32.2	22.5
5	37.3	26.9
10	42.8	31.6
15	48.7	36.7
20	55.1	42.3
25	62	48.3
30	69.3	54.8
35	77.2	61.8
40	85.6	69.4
45	94.6	77.4
50	104	86.1
55	114	95.3
60	125	105
65	137	116
70	149	127
75	162	139
80	175	152
85	190	165
90	205	179
95	221	194
100	238	210
105	255	227
110	274	245
115	293	264
120	314	284
125	335	305
130	358	327
135	382	350
140	406	375

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