

Physical Properties of Refrigerants	R-407C
Environmental Classification	HFC
Molecular Weight	82.1
Boiling Point (1atm, °F)	-50.9
Critical Pressure (psia)	688.9
Critical Temperature (°F)	180.6
Critical Density(lb./ft ³)	
Saturated Liquid Density @ 86°F, (lb/ft ³)	68.3
Vapor Density (bp,lb./ft ³)	
Heat of Vaporization(bp,BTU/lb.)	
Specific Heat of Liquid @ 86°F, (Btu/lb.°F)	.39
Specific Head Vapor (1atm, 20 °F,BTU/lb. °F)	
Ozone Depletion Potential (CFC 11 -1.0)	0
Global Warming Potential (CO ₂ = 1.0)	1825
ASHRAE Standard 34 Safety Rating	A1

Pressure- Temp Chart

Temp °F	Liquid psig	Vapor psig
-40	4.88	-0.24
-38	6.75	1.24
-36	8.76	2.87
-34	10.9	4.62
-32	13.19	6.49
-30	15.66	8.52
-28	18.27	10.68
-26	21.07	13.02
-24	24.04	15.5
-22	27.19	18.17
-20	30.54	21.00
-18	34.11	24.03
-16	37.86	27.25
-14	41.85	30.67
-12	46.06	34.30
-10	50.5	38.15
-8	55.2	42.24
-6	60.13	46.57
-4	65.32	51.12
-2	70.79	55.95
0	76.53	61.04
2	82.56	66.41
4	88.89	72.05
6	95.52	78
8	102.56	84.25
10	109.73	90.8
12	117.33	97.69
14	125.26	104.92
16	133.56	112.5
18	142.2	120.42
20	151.27	128.72
22	160.55	137.4
24	170.41	146.48
26	180.57	155.91
28	191.15	165.77
30	202.18	176.22

R-407F



WARNING: Cancer and Reproductive Harm -
www.P65Warnings.ca.gov.

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