

Pressure Temperature Charts



°F	°C	R-416A Liquid	R-416A Vapor
-40	-40.0	-	-
-35	-37.2	-	-
-30	-34.4	12.1	13.4
-25	-31.7	9.6	11.0
-20	-28.9	6.7	8.3
-15	-26.1	3.5	5.3
-10	-23.3	0.0	2.0
-5	-20.6	1.9	0.8
0	-17.8	4.0	2.8
5	-15.0	6.3	5.0
10	-12.2	8.9	7.4
15	-9.4	11.6	10.0
20	-6.7	14.6	12.8
25	-3.9	17.8	15.9
30	-1.1	21.4	19.3
35	1.7	25.2	22.9
40	4.4	29.3	26.8
45	7.2	33.7	31.1
50	10.0	38.4	35.6
55	12.8	43.5	40.5

°F	°C	R-416A Liquid	R-416A Vapor
60	15.6	49.0	45.7
65	18.3	54.8	51.3
70	21.1	61.1	57.3
75	23.9	67.7	63.7
80	26.7	74.8	70.6
85	29.4	82.3	77.8
90	32.2	90.3	85.5
95	35.0	98.8	93.7
100	37.8	108	102
105	40.6	117	112
110	43.3	127	121
115	46.1	138	132
120	48.9	149	143
125	51.7	161	154
130	54.4	173	166
135	57.2	186	179
140	60.0	200	192
145	62.8	214	206
150	65.6	229	221

Vapor Pressure in PSIG

In Vacuum (inches in Hg)

Refrigerant Boiling Point

Refrigerant	Components	BP
R-416A	R-134a (59%), R-124 (39.5%), R-600 (1.5%) 1,1,1,2-Tetrafluoroethane, 1-Chloro-1,2,2,2-Tetrafluoroethane, n-Butane	-10.0°F

Liquid Density

Refrigerant		-80°F	-40°F	0°F	40°F	80°F	120°F
R-416A	#/cu. ft.	-	89.0	85.0	80.7	75.9	70.4
	#/gal.	-	11.9	11.4	10.8	10.1	9.4

Physical Properties

	R-416A
Environmental Classification	HCFC
Boiling Point (1atm, °F)	-10.0
Global Warming Potential (CO ₂ = 1.0)	1084.33