

Pressure Temperature Charts



°F	°C	R-422B Liquid	R-422B Vapor
-40	-40.0	0.9	2.7
-35	-37.2	3.0	0.9
-30	-34.4	5.4	1.1
-25	-31.7	7.9	3.2
-20	-28.9	10.7	5.7
-15	-26.1	13.8	8.3
-10	-23.3	17.1	11.3
-5	-20.6	20.7	14.5
0	-17.8	24.7	18.0
5	-15.0	29.0	21.9
10	-12.2	33.6	26.1
15	-9.4	38.6	30.6
20	-6.7	43.9	35.5
25	-3.9	49.7	40.8
30	-1.1	55.9	46.6
35	1.7	62.5	52.7
40	4.4	69.6	59.4
45	7.2	77.2	66.5
50	10.0	85.3	74.1

°F	°C	R-422B Liquid	R-422B Vapor
55	12.8	94	82.2
60	15.6	103	90.9
65	18.3	113	100
70	21.1	123	110
75	23.9	134	120
80	26.7	145	132
85	29.4	158	143
90	32.2	170	156
95	35.0	184	169
100	37.8	198	183
105	40.6	213	198
110	43.3	229	213
115	46.1	246	230
120	48.9	263	247
125	51.7	281	265
130	54.4	301	284
135	57.2	321	304
140	60.0	342	326

Vapor Pressure in PSIG

In Vacuum (inches in Hg)

Refrigerant Boiling Point

Refrigerant	Components	BP
R-422B	R-125 (55%), R-134a (42%), R-600a (3%) Pentafluoroethane, 1,1,1,2-Tetrafluoroethane, Isobutane	-42.4°F

Physical Properties

	R-422B
Environmental Classification	HFC
Molecular Weight	108.5
Boiling Point (1atm,°F)	-42.4
Critical Pressure (psia)	574.1
Critical Temperature (°F)	181.8
Critical Density (lb./ft ³)	32.9
Vapor Density (bp,lb./ft ³)	0.363
Heat of Vaporization (bp,BTU/lb.)	84.2
Global Warming Potential (CO ₂ = 1.0)	2525
ASHRAE Standard 34 Safety Rating	A1