



Pressure Temperature Charts

°F	°C	R-449A Liquid	R-449A Vapor
-40	-40.0	4.8	0.0
-35	-37.2	7.4	2.0
-30	-34.4	10.2	4.4
-25	-31.7	13.3	6.9
-20	-28.9	16.7	9.8
-15	-26.1	20.5	12.9
-10	-23.3	24.6	16.3
-5	-20.6	29.0	20.1
0	-17.8	33.8	24.1
5	-15.0	39.0	28.6
10	-12.2	44.6	33.4
15	-9.4	50.6	38.6
20	-6.7	57.1	44.3
25	-3.9	64.0	50.4
30	-1.1	71.5	56.9
35	1.7	79.5	64.0
40	4.4	88.0	71.6
45	7.2	97.1	79.7
50	10.0	107.0	88.4
55	12.8	117.0	97.7

°F	°C	R-449A Liquid	R-449A Vapor
60	15.6	128.0	108.0
65	18.3	140.0	118.0
70	21.1	152.0	129.0
75	23.9	165.0	141.0
80	26.7	179.0	154.0
85	29.4	193.0	167.0
90	32.2	208.0	182.0
95	35.0	224.0	197.0
100	37.8	241.0	213.0
105	40.6	259.0	229.0
110	43.3	278.0	247.0
115	46.1	297.0	266.0
120	48.9	318.0	286.0
125	51.7	339.0	307.0
130	54.4	362.0	329.0
135	57.2	385.0	352.0
140	60.0	410.0	376.0
145	62.8	435.0	402.0
150	65.6	462.0	429.0

Vapor Pressure in PSIG

Refrigerant Boiling Point

Refrigerant	Components	BP (0 PSIG):
R-449A	R-134A (25.7%), R-1234yf (25.3%), R-125 (24.7%), R-32 (24.3%) 1,1,1,2-Tetrafluoroethane, 2,3,3,3-Tetrafluoroprop-1-ene, Pentafluoroethane, Difluoromethane	-50.7°F

Liquid Density

Refrigerant		-80°F	-40°F	0°F	40°F	80°F	120°F
R-449A	#/cu. ft.	87.26	83.11	78.63	73.69	67.96	60.79
	# / gal.	11.66	11.11	10.51	9.85	9.08	8.13

Physical Properties

	R-449A
Environmental Classification	HFC/HFO Zeotropic Blend
Molecular Weight	87.2 g/mol
Boiling Point (1atm, °F)	-50.7
Critical Pressure (psia)	655
Critical Temperature (°F)	178.7
Critical Density (lb./ft ^3)	29.06
Vapor Density (bp, lb./ft ^3)	0.297
Heat of Vaporization (bp, BTU/lb.)	101.1
Global Warming Potential (CO2 = 1.0)	1282
ASHRAE Standard 34 Safety Rating	A1

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