

Pressure Temperature Charts



°F	°C	R-508B
-120	-84.4	3.1
-115	-81.7	6
-110	-78.9	9.3
-105	-76.1	12.9
-100	-73.3	16.9
-95	-70.6	21.4
-90	-67.8	26.4
-85	-65.0	31.8
-80	-62.2	37.8
-75	-59.4	44.4
-70	-56.7	51.5
-65	-53.9	59.3
-60	-51.1	67.8
-55	-48.3	76.9
-50	-45.6	86.8
-45	-42.8	97.5
-40	-40.0	109
-35	-37.2	121
-30	-34.4	135
-25	-31.7	149
-20	-28.9	164

Vapor Pressure in PSIG

Refrigerant Boiling Point

Refrigerant	Components	BP
R-508B	R-116 (54%), R-23 (46%) Hexafluoroethane, Trifluoromethane	-125.3°F

Liquid Density

Refrigerant		-80°F	-40°F	0°F	40°F	80°F	120°F
R-508B	#/cu. ft.	88.27	80.91	71.59	56.25	-	-
	#/gal.	11.8	10.82	9.57	7.52	-	-

Physical Properties

	R-508B
Environmental Classification	HFC
Molecular Weight	95.4
Boiling Point (1atm,°F)	-125.3
Critical Pressure (psia)	556.1
Critical Temperature (°F)	53.7
Critical Density (lb./ft ³)	35.6
Vapor Density (bp,lb./ft ³)	0.426
Heat of Vaporization (bp,BTU/lb.)	71.4
Global Warming Potential (CO ₂ = 1.0)	13396
ASHRAE Standard 34 Safety Rating	A1