

# Refrigerants Pressure Temperature Chart

°F	°C					R-404A		R-407A		R-407C		R-407F		R-408A	
		R-22	R-32	R-134a	R-290	Bubble	Dew	Bubble	Dew	Bubble	Dew	Bubble	Dew	Bubble	Dew
-40.0	-40.0	0.6	11.0	14.8	1.4	4.9	4.3	3.9	2.0	2.7	4.6	4.9	0.5	3.5	3.1
-35.0	-37.2	2.6	14.4	12.5	3.4	7.5	6.8	6.4	1.0	5.1	0.9	7.5	1.9	5.8	5.4
-30.0	-34.4	4.9	18.2	9.8	5.7	10.3	9.6	9.2	3.3	7.7	1.6	10.4	4.2	8.5	8.0
-25.0	-31.7	7.4	22.3	6.9	8.1	13.4	12.7	12.2	5.7	10.6	3.9	13.6	6.8	11.3	10.9
-20.0	-28.9	10.2	26.8	3.7	10.7	16.8	16.0	15.6	8.5	13.7	6.5	17.1	9.7	14.5	14.0
-15.0	-26.1	13.2	31.7	0.1	13.6	20.5	19.7	19.2	11.5	17.2	9.3	20.9	12.9	17.9	17.4
-10.0	-23.3	16.5	37.1	1.9	16.7	24.6	23.6	23.2	14.9	20.9	12.3	25.1	16.4	21.7	21.1
-5.0	-20.6	20.1	42.9	4.1	20.1	28.9	27.9	27.5	18.5	25.0	15.7	29.6	20.2	25.7	25.1
0.0	-17.8	24.0	49.2	6.5	23.7	33.7	32.6	32.2	22.5	29.5	19.4	34.5	24.4	30.1	29.5
5.0	-15.0	28.3	56.1	9.1	27.6	38.8	37.7	37.3	26.9	34.3	23.5	39.8	28.9	34.9	34.2
10.0	-12.2	32.8	63.5	11.9	31.8	44.3	43.1	42.8	31.6	39.5	27.9	45.6	33.9	40.0	39.3
15.0	-9.4	37.8	71.4	15.0	36.3	50.2	49.0	48.7	36.7	45.2	32.7	51.8	39.3	45.5	44.8
20.0	-6.7	43.1	80.0	18.4	41.1	56.6	55.3	55.1	42.3	51.2	37.9	58.5	45.1	51.5	50.6
25.0	-3.9	48.8	89.2	22.1	46.3	63.4	62.1	62.0	48.3	57.7	43.5	65.6	51.4	57.8	57.0
30.0	-1.1	55.0	99.1	26.1	51.8	70.7	69.3	69.3	54.8	64.7	49.6	73.3	58.2	64.6	63.7
35.0	1.7	61.5	109.7	30.4	57.7	78.6	77.1	77.2	61.8	72.2	56.1	81.5	65.5	71.9	71.0
40.0	4.4	68.6	121.0	35.0	63.9	86.9	85.4	85.6	69.4	80.2	63.2	90.3	73.4	79.7	78.7
45.0	7.2	76.1	133.0	40.0	70.6	95.8	94.2	94.6	77.4	88.8	70.7	99.7	81.8	88.0	87.0
50.0	10.0	84.1	145.8	45.4	77.6	105.3	103.6	104.2	86.1	97.9	78.8	109.7	90.8	96.8	95.7
55.0	12.8	92.6	159.5	51.2	85.1	115.3	113.6	114.4	95.3	107.6	87.5	120.4	100.5	106.2	105.1
60.0	15.6	101.6	174.0	57.4	93.0	126.0	124.2	125.2	105.2	117.9	96.8	131.7	110.8	116.1	115.0
65.0	18.3	111.2	189.5	64.0	101.4	137.3	135.5	136.7	115.7	128.9	106.7	143.7	121.8	126.7	125.5
70.0	21.1	121.4	205.8	71.1	110.2	149.3	147.4	148.8	127.0	140.5	117.3	156.4	133.5	137.8	136.6
75.0	23.9	132.2	223.2	78.7	119.5	162.0	160.1	161.7	138.9	152.8	128.5	169.9	146.0	149.6	148.3
80.0	26.7	143.6	241.5	86.7	129.3	175.4	173.4	175.3	151.6	165.8	140.5	184.1	159.2	162.1	160.8
85.0	29.4	155.7	260.9	95.2	139.7	189.5	187.5	189.7	165.1	179.6	153.2	199.1	173.3	175.3	173.9
90.0	32.2	168.4	281.3	104.3	150.5	204.5	202.4	204.8	179.3	194.1	166.7	215.0	188.1	189.2	187.7
95.0	35.0	181.8	302.9	114.0	161.9	220.2	218.1	220.8	194.4	209.4	181.0	231.7	203.9	203.8	202.3
100.0	37.8	195.9	325.7	124.2	173.9	236.8	234.6	237.6	210.4	225.5	196.1	249.3	220.6	219.2	217.6
105.0	40.6	210.8	349.6	135.0	186.5	254.2	252.1	255.3	227.4	242.4	212.1	267.8	238.3	235.3	233.8
110.0	43.3	226.4	374.9	146.4	199.6	272.5	270.4	273.9	245.2	260.3	229.0	287.2	256.9	252.3	250.7
115.0	46.1	242.8	401.4	158.4	213.4	291.8	289.6	293.5	264.1	279.0	246.9	307.6	276.6	270.2	268.6
120.0	48.9	260.0	429.3	171.2	227.8	312.1	309.9	314.0	284.0	298.6	265.8	329.0	297.4	288.9	287.2
125.0	51.7	278.0	458.7	184.6	242.9	333.3	331.2	335.4	305.0	319.2	285.7	351.5	319.3	308.6	306.9
130.0	54.4	296.9	489.5	198.7	258.7	355.6	353.5	357.9	327.1	340.7	306.6	375.0	342.4	329.2	327.4
135.0	57.2	316.7	521.8	213.6	275.1	379.1	377.0	381.5	350.5	363.3	328.8	399.7	366.8	350.7	349.0
140.0	60.0	337.4	555.8	229.2	292.3	403.7	401.7	406.2	375.1	386.9	352.1	425.4	392.4	373.3	371.5
145.0	62.8	359.0	591.4	245.7	310.2	429.6	427.7	431.9	401.0	411.7	376.6	452.4	419.5	397.0	395.2
150.0	65.6	381.7	628.8	262.9	328.9	456.8	455.1	458.9	428.3	437.5	402.5	480.6	448.0	421.7	419.9

Black figures – psig

Blue figures – Vacuum, inches of mercury (inHg)

# Refrigerants Pressure Temperature Chart

°F	°C	R-410A		R-422B +		R-422D		R-438A		R-448A		R-449A		R-507A	R-600a
		Bubble	Dew	Bubble	Dew	Bubble	Dew	Bubble	Dew	Bubble	Dew	Bubble	Dew		
-40.0	-40.0	10.8	10.7	0.9	5.5	2.4	2.4	1.7	5.2	4.9	0.0	4.5	0.0	5.4	21.5
-35.0	-37.2	14.1	14.0	3.0	1.9	4.6	0.8	3.9	1.5	7.5	2.1	7.1	2.1	8.1	20.2
-30.0	-34.4	17.8	17.7	5.3	1.0	7.1	3.0	6.4	1.2	10.4	4.4	9.9	4.4	11.0	18.8
-25.0	-31.7	21.9	21.8	7.9	3.2	9.9	5.4	9.1	3.5	13.5	7.0	13.0	7.0	14.1	17.2
-20.0	-28.9	26.3	26.2	10.7	5.7	12.9	8.1	12.0	5.9	17.0	9.8	16.4	9.9	17.6	15.4
-15.0	-26.1	31.2	31.0	13.8	8.3	16.2	11.0	15.3	8.6	20.8	13.0	20.1	13.0	21.4	13.5
-10.0	-23.3	36.5	36.3	17.1	11.3	19.8	14.3	18.8	11.6	24.9	16.4	24.2	16.4	25.5	11.4
-5.0	-20.6	42.2	42.0	20.7	14.5	23.7	17.8	22.7	14.9	29.3	20.2	28.6	20.2	30.0	9.0
0.0	-17.8	48.4	48.2	24.7	18.0	27.9	21.6	26.8	18.5	34.2	24.3	33.4	24.3	34.8	6.4
5.0	-15.0	55.2	54.9	29.0	21.9	32.5	25.8	31.4	22.4	39.4	28.8	38.5	28.7	40.0	3.6
10.0	-12.2	62.4	62.2	33.6	26.1	37.5	30.4	36.3	26.6	45.1	33.6	44.1	33.5	45.7	0.6
15.0	-9.4	70.2	70.0	38.6	30.6	42.8	35.3	41.6	31.2	51.2	38.9	50.1	38.8	51.7	1.4
20.0	-6.7	78.7	78.4	43.9	35.5	48.5	40.7	47.2	36.2	57.8	44.6	56.6	44.4	58.3	3.2
25.0	-3.9	87.7	87.4	49.7	40.8	54.7	46.4	53.4	41.6	64.8	50.7	63.5	50.6	65.2	5.1
30.0	-1.1	97.4	97.0	55.9	46.6	61.3	52.6	59.9	47.5	72.3	57.3	70.9	57.1	72.7	7.2
35.0	1.7	107.7	107.3	62.5	52.7	68.4	59.3	67.0	53.7	80.4	64.4	78.9	64.2	80.7	9.4
40.0	4.4	118.8	118.4	69.6	59.4	75.9	66.4	74.5	60.5	89.0	72.1	87.4	71.8	89.2	11.9
45.0	7.2	130.6	130.1	77.2	66.5	84.0	74.0	82.5	67.7	98.2	80.3	96.4	80.0	98.3	14.5
50.0	10.0	143.2	142.6	85.3	74.1	92.6	82.2	91.1	75.5	108.0	89.0	106.1	88.7	108.0	17.3
55.0	12.8	156.5	156.0	93.9	82.2	101.7	90.9	100.2	83.8	118.4	98.4	116.3	98.0	118.3	20.3
60.0	15.6	170.7	170.1	103.0	90.9	111.4	100.2	109.8	92.7	129.4	108.4	127.2	107.9	129.2	23.5
65.0	18.3	185.8	185.1	112.7	100.1	121.7	110.1	120.1	102.2	141.1	119.0	138.8	118.5	140.7	27.0
70.0	21.1	201.8	201.1	123.0	110.0	132.6	120.7	131.0	112.3	153.5	130.3	151.0	129.7	153.0	30.6
75.0	23.9	218.7	217.9	133.9	120.4	144.1	131.8	142.5	123.0	166.6	142.4	163.9	141.7	165.9	34.5
80.0	26.7	236.5	235.8	145.4	131.5	156.3	143.7	154.7	134.4	180.5	155.1	177.6	154.3	179.6	38.7
85.0	29.4	255.4	254.6	157.5	143.3	169.2	156.2	167.6	146.5	195.1	168.7	192.0	167.8	194.1	43.1
90.0	32.2	275.4	274.5	170.4	155.8	182.8	169.5	181.2	159.3	210.5	183.0	207.2	182.0	209.3	47.8
95.0	35.0	296.4	295.5	183.9	169.0	197.1	183.6	195.5	172.9	226.7	198.2	223.2	197.1	225.4	52.7
100.0	37.8	318.5	317.6	198.2	182.9	212.2	198.4	210.6	187.3	243.7	214.3	240.1	213.1	242.3	57.9
105.0	40.6	341.9	340.9	213.2	197.7	228.0	214.0	226.5	202.5	261.7	231.3	257.8	229.9	260.1	63.5
110.0	43.3	366.4	365.4	229.0	213.2	244.7	230.5	243.1	218.5	280.5	249.2	276.4	247.7	278.8	69.3
115.0	46.1	392.3	391.2	245.7	229.6	262.3	247.9	260.7	235.4	300.2	268.1	295.9	266.5	298.5	75.5
120.0	48.9	419.4	418.3	263.1	246.9	280.7	266.3	279.1	253.3	320.9	288.1	316.3	286.3	319.2	81.9
125.0	51.7	447.9	446.8	281.4	265.1	300.0	285.5	298.3	272.2	342.6	309.1	337.8	307.2	340.9	88.8
130.0	54.4	477.9	476.8	300.6	284.2	320.2	305.8	318.5	292.0	365.3	331.3	360.2	329.2	363.8	95.9
135.0	57.2	509.4	508.3	320.7	304.4	341.5	327.2	339.7	312.9	389.0	354.7	383.7	352.4	387.8	103.5
140.0	60.0	542.5	541.4	341.8	325.6	363.7	349.6	361.9	335.0	413.8	379.3	408.3	376.8	413.0	111.4
145.0	62.8	577.3	576.3	363.9	347.9	387.0	373.3	385.0	358.2	439.7	405.3	433.9	402.5	439.5	119.6
150.0	65.6	613.9	613.0	387.1	371.3	411.4	398.2	409.2	382.6	466.7	432.6	460.7	429.7	467.4	128.3

Black figures – psig      Blue figures – Vacuum, inches of mercury (inHg)