



Temperature • Pressure

at Sea Level

Pressure (psig) • Vacuum (Inches of Hg) - *Italic Figures*

Temperature		REFRIGERANT (Sporlan Letter Code)									
°F	°C	HCFC 22 (V)	HFC 134a (J)	HCFC 401A (X)	HFC 404A (S)	HFC 407A (V)	HFC 407F (V)	HCFC 408A (S)	HFC 410A (Z)	HFC 507 (P)	744
-60	-51.1	11.9	21.8	21.2	7.3	14.5	13.6	8.7	0.2	5.8	79.9
-55	-48.3	9.2	20.3	19.6	3.9	11.9	10.9	5.5	2.5	2.2	91.1
-50	-45.6	6.1	18.7	17.9	0.1	9.0	7.8	2.0	5.0	0.9	103.4
-45	-42.8	2.7	16.9	16.0	2.0	5.7	4.4	1.0	7.7	3.0	116.7
-40	-40	0.6	14.8	13.8	4.3	2.0	0.5	3.1	10.8	5.4	131.0
-38	-38.9	1.4	13.9	12.9	5.3	0.4	0.6	4.0	12.1	6.4	137.1
-36	-37.8	2.2	13.0	11.9	6.3	0.6	1.4	5.0	13.4	7.5	143.3
-34	-36.7	3.1	12.0	10.9	7.4	1.5	2.3	6.0	14.8	8.6	149.7
-32	-35.6	4.0	10.9	9.8	8.5	2.3	3.3	7.0	16.3	9.8	156.3
-30	-34.4	4.9	9.8	8.7	9.6	3.3	4.2	8.0	17.8	11.0	163.1
-28	-33.3	5.9	8.7	7.5	10.8	4.2	5.2	9.2	19.4	12.2	170.1
-26	-32.2	6.9	7.5	6.2	12.0	5.2	6.3	10.3	21.0	13.5	177.4
-24	-31.1	8.0	6.3	5.0	13.3	6.3	7.4	11.5	22.7	14.8	184.8
-22	-30	9.1	5.0	3.6	14.6	7.4	8.5	12.7	24.5	16.2	192.4
-20	-28.9	10.2	3.7	2.2	16.0	8.5	9.7	14.0	26.3	17.6	200.2
-18	-27.8	11.4	2.3	0.8	17.4	9.7	10.9	15.3	28.2	19.1	208.3
-16	-26.7	12.6	0.8	0.4	18.9	10.9	12.2	16.7	30.2	20.6	216.5
-14	-25.6	13.9	0.4	1.1	20.4	12.2	13.6	18.1	32.2	22.2	225.0
-12	-24.4	15.2	1.1	1.9	22.0	13.5	14.9	19.6	34.3	23.8	233.8
-10	-23.3	16.5	1.9	2.8	23.6	14.9	16.4	21.1	36.5	25.5	242.7
-8	-22.2	17.9	2.8	3.6	25.3	16.3	17.9	22.7	38.7	27.3	251.9
-6	-21.1	19.4	3.6	4.5	27.0	17.8	19.4	24.3	41.0	29.1	261.3
-4	-20	20.9	4.6	5.5	28.8	19.3	21.0	26.0	43.4	30.9	271.0
-2	-18.9	22.4	5.5	6.4	30.7	20.9	22.7	27.7	45.9	32.8	280.9
0	-17.8	24.0	6.5	7.4	32.6	22.5	24.4	29.5	48.4	34.8	291.0
1	-17.2	24.9	7.0	7.9	33.6	23.4	25.3	30.4	49.7	35.8	296.2
2	-16.7	25.7	7.5	8.5	34.6	24.2	26.2	31.3	51.1	36.9	301.5
3	-16.1	26.5	8.0	9.0	35.6	25.1	27.1	32.3	52.4	37.9	306.8
4	-15.6	27.4	8.5	9.5	36.6	26.0	28.0	33.2	53.8	39.0	312.1
5	-15	28.3	9.1	10.1	37.7	26.9	28.9	34.2	55.2	40.1	317.6
6	-14.4	29.2	9.6	10.7	38.7	27.8	29.9	35.2	56.6	41.1	323.1
7	-13.9	30.1	10.2	11.2	39.8	28.7	30.9	36.2	58.0	42.3	328.6
8	-13.3	31.0	10.8	11.8	40.9	29.7	31.9	37.2	59.5	43.4	334.3
9	-12.8	31.9	11.3	12.4	42.0	30.6	32.9	38.2	60.9	44.5	340.0
10	-12.2	32.8	11.9	13.0	43.1	31.6	33.9	39.3	62.4	45.7	345.7
11	-11.7	33.8	12.5	13.6	44.3	32.6	34.9	40.3	63.9	46.9	351.6
12	-11.1	34.8	13.1	14.3	45.4	33.6	36.0	41.4	65.5	48.1	357.5
13	-10.6	35.8	13.8	14.9	46.6	34.6	37.1	42.5	67.1	49.3	363.4
14	-10	36.8	14.4	15.5	47.8	35.7	38.2	43.6	68.6	50.5	369.5
15	-9.4	37.8	15.0	16.2	49.0	36.7	39.3	44.8	70.3	51.8	375.6
16	-8.9	38.8	15.7	16.9	50.2	37.8	40.4	45.9	71.9	53.0	381.8
17	-8.3	39.9	16.4	17.5	51.5	38.9	41.5	47.1	73.5	54.3	388.0
18	-7.8	40.9	17.0	18.2	52.7	40.0	42.7	48.2	75.2	55.6	394.3
19	-7.2	42.0	17.7	18.9	54.0	41.2	43.9	49.4	76.9	56.9	400.7
20	-6.7	43.1	18.4	19.6	55.3	42.3	45.1	50.7	78.7	58.3	407.2
21	-6.1	44.2	19.1	20.4	56.6	43.5	46.3	51.9	80.4	59.6	413.8
22	-5.6	45.3	19.9	21.1	58.0	44.7	47.6	53.1	82.2	61.0	420.4
23	-5	46.5	20.6	21.8	59.3	45.9	48.8	54.4	84.0	62.4	427.1
24	-4.4	47.6	21.3	22.6	60.7	47.1	50.1	55.7	85.8	63.8	433.8
25	-3.9	48.8	22.1	23.4	62.1	48.3	51.4	57.0	87.7	65.3	440.7
26	-3.3	50.0	22.9	24.2	63.5	49.6	52.7	58.3	89.6	66.7	447.6
27	-2.8	51.2	23.7	25.0	64.9	50.9	54.0	59.6	91.5	68.2	454.6
28	-2.2	52.4	24.5	25.8	66.4	52.2	55.4	61.0	93.4	69.7	461.7
29	-1.7	53.7	25.3	26.6	67.8	53.5	56.8	62.4	95.4	71.2	468.8
30	-1.1	55.0	26.1	27.4	69.3	54.8	58.2	63.7	97.4	72.7	476.1
31	-0.6	56.2	26.9	28.3	70.8	56.2	59.6	65.2	99.4	74.3	483.4
32	0	57.5	27.8	29.1	72.4	57.6	61.0	66.6	101.4	75.9	490.8

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33	0.6	58.8	28.6	30.0	73.9	59.0	62.5	68.0	103.5	77.5	498.3
34	1.1	60.2	29.5	30.9	75.5	60.4	64.0	69.5	105.6	79.1	505.8
35	1.7	61.5	30.4	31.8	77.1	61.8	65.5	71.0	107.7	80.7	513.5
36	2.2	62.9	31.3	32.7	78.7	63.3	67.0	72.5	109.9	82.4	521.2
37	2.8	64.3	32.2	33.6	80.3	64.8	68.6	74.0	112.1	84.1	529.0
38	3.3	65.7	33.1	34.6	82.0	66.3	70.1	75.6	114.3	85.8	536.9
39	3.9	67.1	34.1	35.5	83.7	67.8	71.7	77.1	116.5	87.5	544.8
40	4.4	68.6	35.0	36.5	85.4	69.4	73.4	78.7	118.8	89.2	552.9
42	5.6	71.5	37.0	38.5	88.8	72.5	76.7	81.9	123.4	92.8	569.3
44	6.7	74.5	39.0	40.5	92.4	75.8	80.1	85.3	128.2	96.5	586.0
46	7.8	77.6	41.1	42.6	96.0	79.1	83.5	88.7	133.0	100.2	603.1
48	8.9	80.8	43.2	44.8	99.8	82.6	87.1	92.2	138.0	104.1	620.5
50	10	84.1	45.4	47.0	103.6	86.1	90.8	95.7	143.2	108.0	638.3
52	11.1	87.4	47.7	60.4	109.2	108.2	113.9	100.5	148.4	112.0	656.5
54	12.2	90.8	50.0	63.0	113.3	112.3	118.2	104.3	153.8	116.2	675.0
56	13.3	94.4	52.4	65.7	117.4	116.5	122.6	108.1	159.3	120.4	694.0
58	14.4	98.0	54.9	68.4	121.7	120.8	127.1	112.1	164.9	124.8	713.3
60	15.6	101.6	57.4	71.2	126.0	125.2	131.7	116.1	170.7	129.2	733.1
62	16.7	105.4	60.0	74.1	130.5	129.7	136.4	120.3	176.7	133.7	753.2
64	17.8	109.3	62.7	77.0	135.0	134.3	141.2	124.5	182.7	138.4	773.8
66	18.9	113.2	65.4	80.0	139.7	139.0	146.2	128.8	188.9	143.1	794.8
68	20	117.3	68.2	83.1	144.4	143.9	151.2	133.3	195.3	148.0	816.2
70	21.1	121.4	71.1	86.3	149.3	148.8	156.4	137.8	201.8	153.0	838.1
72	22.2	125.7	74.1	89.5	154.3	153.9	161.7	142.5	208.4	158.1	860.5
74	23.3	130.0	77.1	92.8	159.4	159.1	167.1	147.2	215.2	163.3	883.3
76	24.4	134.5	80.2	96.2	164.6	164.4	172.6	152.1	222.2	168.6	906.7
78	25.6	139.0	83.4	99.7	170.0	169.8	178.3	157.0	229.3	174.1	930.5
80	26.7	143.6	86.7	103.2	175.4	175.3	184.1	162.1	236.5	179.6	954.9
82	27.8	148.4	90.0	106.9	181.0	181.0	190.0	167.3	244.0	185.3	979.8
84	28.9	153.2	93.5	110.6	186.7	186.7	196.0	172.6	251.6	191.1	1005.4
86	30	158.2	97.0	114.4	192.5	192.7	202.2	178.0	259.3	197.1	1031.6
88	31.1	163.2	100.6	118.2	198.4	198.7	208.5	183.5	267.3	203.1	*
90	32.2	168.4	104.3	122.2	204.5	204.8	215.0	189.2	275.4	209.3	*
92	33.3	173.7	108.1	126.2	210.7	211.1	221.5	194.9	283.6	215.6	*
94	34.4	179.1	112.0	130.4	217.0	217.6	228.3	200.8	292.1	222.1	*
96	35.6	184.6	115.9	134.6	223.4	224.1	235.1	206.8	300.7	228.7	*
98	36.7	190.2	120.0	138.9	230.0	230.8	242.1	212.9	309.5	235.4	*
100	37.8	195.9	124.2	143.3	236.8	237.7	249.3	219.2	318.6	242.3	*
102	38.9	201.8	128.4	147.8	243.6	244.6	256.5	225.5	327.7	249.3	*
104	40	207.7	132.8	152.4	250.6	251.7	264.0	232.0	337.1	256.5	*
106	41.1	213.8	137.2	157.1	257.8	259.0	271.6	238.7	346.7	263.8	*
108	42.2	220.0	141.7	161.9	265.1	266.4	279.3	245.4	356.5	271.2	*
110	43.3	226.4	146.4	166.8	272.5	273.9	287.2	252.3	366.4	278.8	*
112	44.4	232.8	151.1	171.8	280.1	281.6	295.3	259.4	376.6	286.6	*
114	45.6	239.4	156.0	176.8	287.9	289.5	303.5	266.6	387.0	294.5	*
116	46.7	246.1	160.9	182.0	295.8	297.5	311.8	273.9	397.6	302.6	*
118	47.8	253.0	166.0	187.3	303.8	305.6	320.3	281.3	408.4	310.8	*
120	48.9	260.0	171.2	192.7	312.1	314.0	329.0				