



# R407C Pressure-Temperature Chart

Saturation Pressure-Temperature Data for R407C (psig)\*

Temp (°F)	Pressure		Temp (°C)	Temp (°F)	Pressure		Temp (°C)	Temp (°F)	Pressure		Temp (°C)	Temp (°F)	Pressure		Temp (°C)
	Liquid	Vapor			Liquid	Vapor			Liquid	Vapor			Liquid	Vapor	
-49	<i>1.9</i>	<i>10.4</i>	-45	1	30.4	20.2	-17.2	51	99.8	80.5	10.6	101	228.8	199.3	38.3
-48	<i>1.2</i>	<i>9.8</i>	-44.4	2	31.4	21	-16.7	52	101.7	82.2	11.1	102	232.2	202.4	38.9
-47	<i>0.4</i>	<i>9.2</i>	-43.9	3	32.3	21.8	-16.1	53	103.7	84	11.7	103	235.6	205.6	39.4
-46	0.2	<i>8.6</i>	-43.3	4	33.3	22.6	-15.6	54	105.6	85.7	12.2	104	239	208.9	40
-45	0.6	<i>8</i>	-42.8	5	34.3	23.5	-15	55	107.6	87.5	12.8	105	242.4	212.1	40.6
-44	1	<i>7.3</i>	-42.2	6	35.3	24.3	-14.4	56	109.6	89.3	13.3	106	245.9	215.4	41.1
-43	1.4	<i>6.7</i>	-41.7	7	36.4	25.2	-13.9	57	111.7	91.2	13.9	107	249.5	218.8	41.7
-42	1.9	<i>6</i>	-41.1	8	37.4	26.1	-13.3	58	113.7	93	14.4	108	253	222.2	42.2
-41	2.3	<i>5.3</i>	-40.6	9	38.5	27	-12.8	59	115.8	94.9	15	109	256.6	225.6	42.8
-40	2.7	<i>4.6</i>	-40	10	39.5	27.9	-12.2	60	118	96.8	15.6	110	260.3	229	43.3
-39	3.2	<i>3.9</i>	-39.4	11	40.6	28.8	-11.7	61	120.1	98.7	16.1	111	263.9	232.5	43.9
-38	3.7	<i>3.2</i>	-38.9	12	41.7	29.8	-11.1	62	122.3	100.7	16.7	112	267.6	236.1	44.4
-37	4.1	<i>2.4</i>	-38.3	13	42.9	30.7	-10.6	63	124.4	102.7	17.2	113	271.4	239.7	45
-36	4.6	<i>1.6</i>	-37.8	14	44	31.7	-10	64	126.7	104.7	17.8	114	275.1	243.3	45.6
-35	5.1	<i>0.9</i>	-37.2	15	45.2	32.7	-9.4	65	128.9	106.7	18.3	115	279	246.9	46.1
-34	5.6	<i>0.1</i>	-36.7	16	46.3	33.7	-8.9	66	131.2	108.8	18.9	116	282.8	250.6	46.7
-33	6.1	0.4	-36.1	17	47.5	34.7	-8.3	67	133.5	110.9	19.4	117	286.7	254.3	47.2
-32	6.6	0.8	-35.6	18	48.7	35.7	-7.8	68	135.8	113	20	118	290.6	258.1	47.8
-31	7.2	1.2	-35	19	50	36.8	-7.2	69	138.2	115.1	20.6	119	294.6	261.9	48.3
-30	7.7	1.6	-34.4	20	51.2	37.9	-6.7	70	140.5	117.3	21.1	120	298.6	265.8	48.9
-29	8.3	2.1	-33.9	21	52.5	39	-6.1	71	142.9	119.5	21.7	121	302.6	269.7	49.4
-28	8.8	2.5	-33.3	22	53.8	40.1	-5.6	72	145.4	121.7	22.2	122	306.7	273.6	50
-27	9.4	3	-32.8	23	55.1	41.2	-5	73	147.8	124	22.8	123	310.8	277.6	50.6
-26	10	3.5	-32.2	24	56.4	42.3	-4.4	74	150.3	126.2	23.3	124	315	281.6	51.1
-25	10.6	3.9	-31.7	25	57.7	43.5	-3.9	75	152.8	128.6	23.9	125	319.2	285.7	51.7
-24	11.2	4.4	-31.1	26	59.1	44.7	-3.3	76	155.4	130.9	24.4	126	323.4	289.8	52.2
-23	11.8	4.9	-30.6	27	60.5	45.9	-2.8	77	158	133.3	25	127	327.7	293.9	52.8
-22	12.4	5.4	-30	28	61.9	47.1	-2.2	78	160.6	135.6	25.6	128	332	298.1	53.3
-21	13.1	5.9	-29.4	29	63.3	48.3	-1.7	79	163.2	138.1	26.1	129	336.4	302.4	53.9
-20	13.7	6.5	-28.9	30	64.7	49.6	-1.1	80	165.8	140.5	26.7	130	340.7	306.7	54.4
-19	14.4	7	-28.3	31	66.2	50.8	-0.6	81	168.5	143	27.2	131	345.2	311	55
-18	15.1	7.6	-27.8	32	67.7	52.1	0	82	171.3	145.5	27.8	132	349.7	315.4	55.6
-17	15.8	8.1	-27.2	33	69.2	53.4	0.6	83	174	148.1	28.3	133	354.2	319.8	56.1
-16	16.5	8.7	-26.7	34	70.7	54.8	1.1	84	176.8	150.6	28.9	134	358.7	324.2	56.7
-15	17.2	9.3	-26.1	35	72.2	56.1	1.7	85	179.6	153.2	29.4	135	363.3	328.8	57.2
-14	17.9	9.9	-25.6	36	73.8	57.5	2.2	86	182.4	155.9	30	136	368	333.3	57.8
-13	18.7	10.5	-25	37	75.4	58.9	2.8	87	185.3	158.5	30.6	137	372.7	337.9	58.3
-12	19.4	11.1	-24.4	38	77	60.3	3.3	88	188.2	161.2	31.1	138	377.4	342.6	58.9
-11	20.2	11.7	-23.9	39	78.6	61.7	3.9	89	191.1	163.9	31.7	139	382.1	347.3	59.4
-10	20.9	12.3	-23.3	40	80.2	63.2	4.4	90	194.1	166.7	32.2	140	387	352.1	60
-9	21.7	13	-22.8	41	81.9	64.6	5	91	197.1	169.5	32.8	141	391.8	356.9	60.6
-8	22.5	13.7	-22.2	42	83.6	66.1	5.6	92	200.1	172.3	33.3	142	396.7	361.7	61.1
-7	23.4	14.3	-21.7	43	85.3	67.6	6.1	93	203.2	175.2	33.9	143	401.6	366.6	61.7
-6	24.2	15	-21.1	44	87	69.2	6.7	94	206.3	178.1	34.4	144	406.6	371.6	62.2
-5	25	15.7	-20.6	45	88.8	70.7	7.2	95	209.4	181	35	145	411.7	376.6	62.8
-4	25.9	16.4	-20	46	90.6	72.3	7.8	96	212.5	184	35.6	146	416.7	381.7	63.3
-3	26.8	17.2	-19.4	47	92.4	73.9	8.3	97	215.7	186.9	36.1	147	421.9	386.8	63.9
-2	27.7	17.9	-18.9	48	94.2	75.5	8.9	98	219	190	36.7	148	427	392	64.4
-1	28.6	18.7	-18.3	49	96	77.2	9.4	99	222.2	193	37.2	149	432.2	397.2	65
0	29.5	19.4	-17.8	50	97.9	78.8	10	100	225.5	196.1	37.8	150	437.5	402.5	65.6

\*Red Italics Indicate Inches of Mercury Below Atmospheric Pressure