

Opteon™ XP40 Pressure-Temperature Data (Eng)

Pressure (psig)	Sat Liq T (°F)	Sat Vap T (°F)	Pressure (psig)	Sat Liq T (°F)	Sat Vap T (°F)	Pressure (psig)	Sat Liq T (°F)	Sat Vap T (°F)	Pressure (psig)	Sat Liq T (°F)	Sat Vap T (°F)
-2	-55.7	-45.3	110	52.0	61.0	222	94.6	102.7	334	124.1	131.1
0	-50.3	-40.0	112	52.9	62.0	224	95.2	103.3	336	124.6	131.5
2	-45.5	-35.2	114	53.9	62.9	226	95.8	103.9	338	125.1	131.9
4	-41.1	-30.9	116	54.8	63.9	228	96.4	104.4	340	125.5	132.4
6	-37.1	-26.9	118	55.8	64.8	230	97.0	105.0	342	126.0	132.8
8	-33.4	-23.2	120	56.7	65.7	232	97.6	105.6	344	126.4	133.2
10	-29.9	-19.8	122	57.6	66.6	234	98.2	106.2	346	126.9	133.7
12	-26.6	-16.5	124	58.6	67.5	236	98.8	106.7	348	127.3	134.1
14	-23.5	-13.5	126	59.5	68.4	238	99.4	107.3	350	127.8	134.5
16	-20.6	-10.6	128	60.4	69.3	240	100.0	107.9	352	128.2	134.9
18	-17.8	-7.8	130	61.2	70.1	242	100.6	108.4	354	128.6	135.4
20	-15.2	-5.2	132	62.1	71.0	244	101.1	109.0	356	129.1	135.8
22	-12.7	-2.7	134	63.0	71.8	246	101.7	109.5	358	129.5	136.2
24	-10.2	-0.3	136	63.8	72.7	248	102.3	110.1	360	130.0	136.6
26	-7.9	2.0	138	64.7	73.5	250	102.8	110.6	362	130.4	137.0
28	-5.6	4.2	140	65.5	74.3	252	103.4	111.2	364	130.8	137.4
30	-3.5	6.4	142	66.4	75.1	254	104.0	111.7	366	131.3	137.8
32	-1.4	8.4	144	67.2	75.9	256	104.5	112.2	368	131.7	138.2
34	0.6	10.4	146	68.0	76.7	258	105.1	112.8	370	132.1	138.6
36	2.6	12.4	148	68.8	77.5	260	105.6	113.3	372	132.5	139.0
38	4.5	14.3	150	69.6	78.3	262	106.2	113.8	374	133.0	139.4
40	6.4	16.1	152	70.4	79.1	264	106.7	114.4	376	133.4	139.8
42	8.2	17.9	154	71.2	79.9	266	107.2	114.9	378	133.8	140.2
44	9.9	19.6	156	72.0	80.6	268	107.8	115.4	380	134.2	140.6
46	11.6	21.3	158	72.7	81.4	270	108.3	115.9	382	134.6	141.0
48	13.3	22.9	160	73.5	82.1	272	108.9	116.4	384	135.1	141.4
50	14.9	24.6	162	74.3	82.9	274	109.4	116.9	386	135.5	141.8
52	16.5	26.1	164	75.0	83.6	276	109.9	117.4	388	135.9	142.2
54	18.1	27.7	166	75.8	84.4	278	110.4	117.9	390	136.3	142.6
56	19.6	29.2	168	76.5	85.1	280	111.0	118.4	392	136.7	143.0
58	21.1	30.6	170	77.3	85.8	282	111.5	118.9	394	137.1	143.4
60	22.5	32.1	172	78.0	86.5	284	112.0	119.4	396	137.5	143.8
62	23.9	33.5	174	78.7	87.2	286	112.5	119.9	398	137.9	144.1
64	25.3	34.8	176	79.4	87.9	288	113.0	120.4	400	138.3	144.5
66	26.7	36.2	178	80.2	88.6	290	113.5	120.9			
68	28.1	37.5	180	80.9	89.3	292	114.0	121.4			
70	29.4	38.8	182	81.6	90.0	294	114.5	121.9			
72	30.7	40.1	184	82.3	90.7	296	115.0	122.4			
74	32.0	41.4	186	83.0	91.3	298	115.5	122.8			
76	33.2	42.6	188	83.6	92.0	300	116.0	123.3			
78	34.5	43.8	190	84.3	92.7	302	116.5	123.8			
80	35.7	45.0	192	85.0	93.3	304	117.0	124.3			
82	36.9	46.2	194	85.7	94.0	306	117.5	124.7			
84	38.1	47.4	196	86.3	94.6	308	118.0	125.2			
86	39.2	48.5	198	87.0	95.3	310	118.5	125.7			
88	40.4	49.6	200	87.7	95.9	312	119.0	126.1			
90	41.5	50.7	202	88.3	96.6	314	119.4	126.6			
92	42.6	51.8	204	89.0	97.2	316	119.9	127.0			
94	43.7	52.9	206	89.6	97.8	318	120.4	127.5			
96	44.8	54.0	208	90.3	98.4	320	120.9	128.0			
98	45.8	55.0	210	90.9	99.1	322	121.3	128.4			
100	46.9	56.1	212	91.5	99.7	324	121.8	128.9			
102	47.9	57.1	214	92.2	100.3	326	122.3	129.3			
104	49.0	58.1	216	92.8	100.9	328	122.8	129.7			
106	50.0	59.1	218	93.4	101.5	330	123.2	130.2			
108	51.0	60.1	220	94.0	102.1	332	123.7	130.6			



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Temp (°F)	Sat Liq P (psig)	Sat Vap P (psig)	Temp (°F)	Sat Liq P (psig)	Sat Vap P (psig)	Temp (°F)	Sat Liq P (psig)	Sat Vap P (psig)	Temp (°F)	Sat Liq P (psig)	Sat Vap P (psig)
-40	4.5	0.0	16	51.4	39.9	72	156.1	134.4	128	351.1	320.2
-39	5.0	0.4	17	52.6	41.0	73	158.7	136.8	129	355.7	324.7
-38	5.5	0.8	18	53.9	42.1	74	161.3	139.2	130	360.2	329.2
-37	6.0	1.2	19	55.2	43.3	75	163.9	141.7	131	364.8	333.7
-36	6.6	1.7	20	56.6	44.5	76	166.6	144.1	132	369.5	338.3
-35	7.1	2.1	21	57.9	45.6	77	169.3	146.6	133	374.2	342.9
-34	7.6	2.6	22	59.3	46.8	78	172.0	149.2	134	378.9	347.6
-33	8.2	3.0	23	60.7	48.1	79	174.8	151.7	135	383.7	352.4
-32	8.8	3.5	24	62.1	49.3	80	177.6	154.3	136	388.5	357.1
-31	9.3	3.9	25	63.5	50.6	81	180.4	157.0	137	393.4	362.0
-30	9.9	4.4	26	64.9	51.8	82	183.3	159.6	138	398.3	366.9
-29	10.5	4.9	27	66.4	53.1	83	186.1	162.3	139	403.3	371.8
-28	11.1	5.4	28	67.9	54.5	84	189.1	165.0	140	408.3	376.8
-27	11.8	6.0	29	69.4	55.8	85	192.0	167.8	141	413.3	381.8
-26	12.4	6.5	30	70.9	57.1	86	195.0	170.6	142	418.4	386.9
-25	13.0	7.0	31	72.5	58.5	87	198.0	173.4	143	423.5	392.1
-24	13.7	7.6	32	74.0	59.9	88	201.0	176.2	144	428.7	397.3
-23	14.4	8.1	33	75.6	61.3	89	204.1	179.1	145	433.9	402.5
-22	15.0	8.7	34	77.2	62.8	90	207.2	182.0	146	439.2	407.9
-21	15.7	9.3	35	78.9	64.2	91	210.3	185.0	147	444.5	413.2
-20	16.4	9.9	36	80.5	65.7	92	213.5	188.0	148	449.9	418.7
-19	17.2	10.5	37	82.2	67.2	93	216.7	191.0	149	455.3	424.1
-18	17.9	11.1	38	83.9	68.7	94	219.9	194.0	150	460.7	429.7
-17	18.6	11.7	39	85.6	70.3	95	223.2	197.1			
-16	19.4	12.3	40	87.4	71.8	96	226.5	200.2			
-15	20.1	13.0	41	89.1	73.4	97	229.9	203.4			
-14	20.9	13.7	42	90.9	75.0	98	233.2	206.6			
-13	21.7	14.3	43	92.7	76.6	99	236.6	209.8			
-12	22.5	15.0	44	94.6	78.3	100	240.1	213.1			
-11	23.4	15.7	45	96.4	80.0	101	243.5	216.4			
-10	24.2	16.4	46	98.3	81.7	102	247.0	219.7			
-9	25.0	17.1	47	100.2	83.4	103	250.6	223.1			
-8	25.9	17.9	48	102.1	85.1	104	254.2	226.5			
-7	26.8	18.6	49	104.1	86.9	105	257.8	229.9			
-6	27.7	19.4	50	106.1	88.7	106	261.4	233.4			
-5	28.6	20.2	51	108.1	90.5	107	265.1	236.9			
-4	29.5	21.0	52	110.1	92.3	108	268.8	240.5			
-3	30.5	21.8	53	112.2	94.2	109	272.6	244.1			
-2	31.4	22.6	54	114.2	96.1	110	276.4	247.7			
-1	32.4	23.4	55	116.3	98.0	111	280.2	251.4			
0	33.4	24.3	56	118.5	99.9	112	284.1	255.1			
1	34.4	25.1	57	120.6	101.9	113	288.0	258.9			
2	35.4	26.0	58	122.8	103.8	114	291.9	262.7			
3	36.4	26.9	59	125.0	105.9	115	295.9	266.5			
4	37.5	27.8	60	127.2	107.9	116	299.9	270.4			
5	38.5	28.7	61	129.5	110.0	117	304.0	274.3			
6	39.6	29.7	62	131.8	112.0	118	308.0	278.2			
7	40.7	30.6	63	134.1	114.2	119	312.2	282.3			
8	41.8	31.6	64	136.4	116.3	120	316.3	286.3			
9	42.9	32.6	65	138.8	118.5	121	320.6	290.4			
10	44.1	33.6	66	141.1	120.7	122	324.8	294.5			
11	45.3	34.6	67	143.6	122.9	123	329.1	298.7			
12	46.4	35.6	68	146.0	125.1	124	333.4	302.9			
13	47.6	36.6	69	148.5	127.4	125	337.8	307.2			
14	48.9	37.7	70	151.0	129.7	126	342.2	311.5			
15	50.1	38.8	71	153.5	132.0	127	346.6	315.8			

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