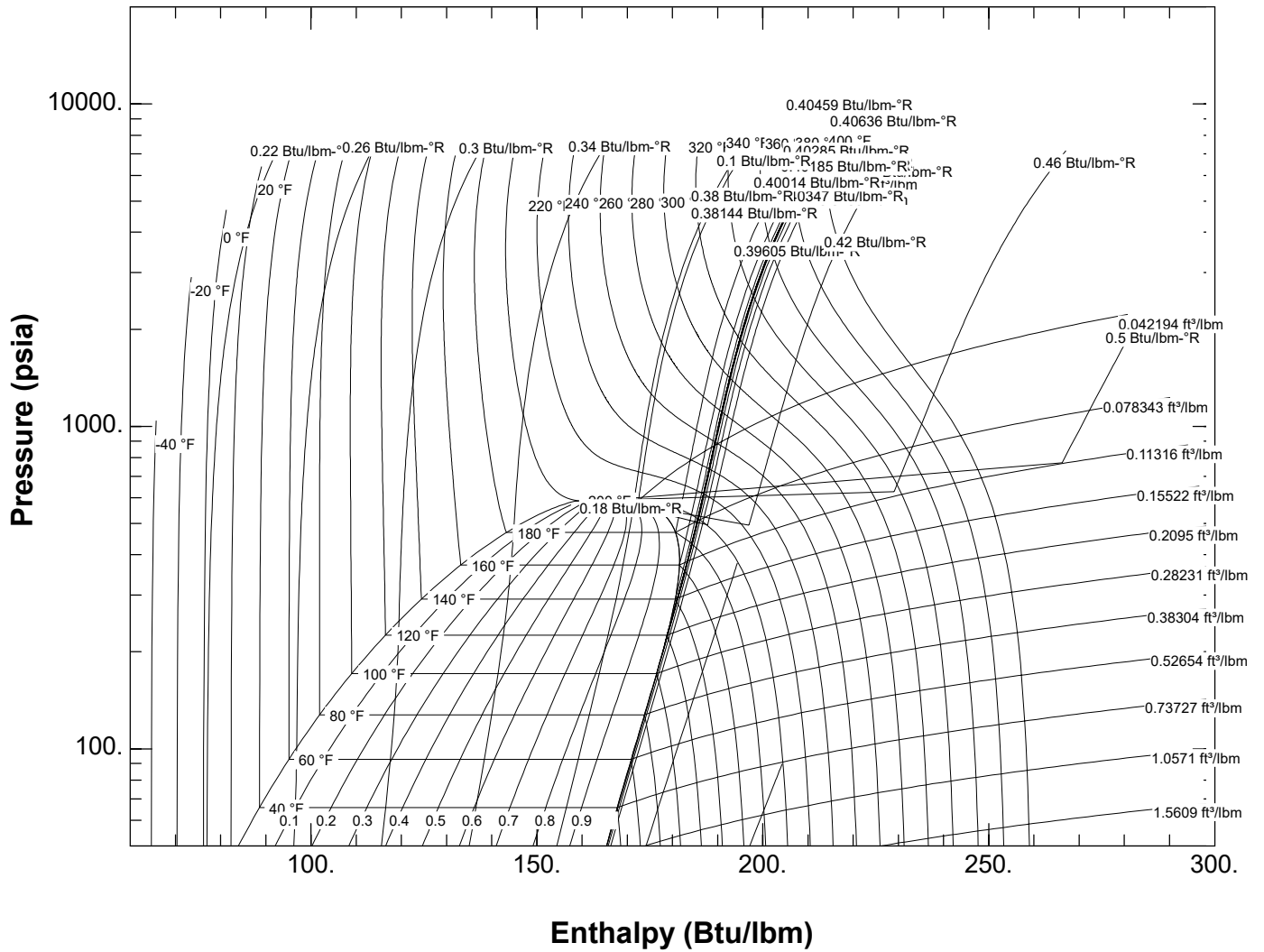


27: Pressure vs. Enthalpy plot: RAISE EER Boost



29: RAISE EER Boost: V/L sat. T=-50.0 to 200.0° F

	Temperature (°F)	Pressure (psia)	Liquid Density (lbm/ft ³)	Vapor Density (lbm/ft ³)	Liquid Enthalpy (Btu/lbm)	Vapor Enthalpy (Btu/lbm)	Liquid Entropy (Btu/lbm-°R)	Vapor Entropy (Btu/lbm-°R)
1	-40.000	11.491	86.245	0.26206	64.571	154.50	0.19208	0.40636
2	-35.000	13.094	85.741	0.29595	65.984	155.35	0.19542	0.40585
3	-30.000	14.870	85.232	0.33318	67.408	156.20	0.19875	0.40539
4	-25.000	16.831	84.719	0.37401	68.843	157.04	0.20206	0.40497
5	-20.000	18.991	84.201	0.41865	70.290	157.89	0.20535	0.40459
6	-15.000	21.363	83.679	0.46737	71.748	158.73	0.20864	0.40426
7	-10.000	23.961	83.151	0.52043	73.217	159.58	0.21191	0.40396
8	-5.0000	26.799	82.618	0.57809	74.699	160.42	0.21518	0.40370
9	0.00000	29.893	82.079	0.64065	76.192	161.25	0.21843	0.40347
10	5.0000	33.257	81.534	0.70839	77.697	162.09	0.22167	0.40328
11	10.000	36.906	80.982	0.78164	79.214	162.92	0.22490	0.40311
12	15.000	40.858	80.424	0.86071	80.744	163.74	0.22812	0.40297
13	20.000	45.127	79.859	0.94597	82.287	164.56	0.23133	0.40285
14	25.000	49.731	79.287	1.0378	83.842	165.38	0.23453	0.40276
15	30.000	54.686	78.707	1.1365	85.411	166.19	0.23773	0.40269
16	35.000	60.009	78.118	1.2425	86.993	166.99	0.24092	0.40263
17	40.000	65.718	77.521	1.3564	88.589	167.78	0.24410	0.40259
18	45.000	71.831	76.915	1.4784	90.199	168.57	0.24728	0.40257
19	50.000	78.366	76.299	1.6092	91.824	169.35	0.25045	0.40256
20	55.000	85.341	75.672	1.7493	93.464	170.12	0.25362	0.40256
21	60.000	92.775	75.035	1.8992	95.120	170.88	0.25679	0.40257
22	65.000	100.69	74.386	2.0596	96.792	171.63	0.25995	0.40259
23	70.000	109.10	73.724	2.2311	98.480	172.37	0.26311	0.40261
24	75.000	118.03	73.049	2.4145	100.19	173.09	0.26628	0.40263
25	80.000	127.49	72.360	2.6107	101.91	173.80	0.26944	0.40265
26	85.000	137.52	71.655	2.8204	103.65	174.50	0.27261	0.40267
27	90.000	148.12	70.934	3.0448	105.41	175.18	0.27578	0.40269
28	95.000	159.33	70.195	3.2850	107.20	175.84	0.27895	0.40270
29	100.00	171.16	69.436	3.5422	109.00	176.48	0.28213	0.40270
30	105.00	183.64	68.657	3.8178	110.83	177.10	0.28532	0.40269
31	110.00	196.79	67.855	4.1136	112.68	177.70	0.28853	0.40265
32	115.00	210.64	67.027	4.4313	114.56	178.27	0.29174	0.40260
33	120.00	225.21	66.172	4.7733	116.46	178.81	0.29498	0.40253
34	125.00	240.53	65.286	5.1420	118.40	179.32	0.29823	0.40242
35	130.00	256.62	64.365	5.5405	120.37	179.79	0.30151	0.40227
36	135.00	273.53	63.407	5.9726	122.38	180.23	0.30481	0.40209
37	140.00	291.27	62.404	6.4425	124.42	180.61	0.30815	0.40185
38	145.00	309.89	61.352	6.9560	126.52	180.95	0.31153	0.40155
39	150.00	329.42	60.242	7.5199	128.66	181.22	0.31496	0.40118
40	155.00	349.91	59.065	8.1431	130.86	181.42	0.31845	0.40071
41	160.00	371.40	57.809	8.8373	133.13	181.54	0.32202	0.40014
42	165.00	393.95	56.455	9.6183	135.48	181.55	0.32567	0.39944
43	170.00	417.61	54.982	10.508	137.92	181.44	0.32945	0.39856
44	175.00	442.46	53.355	11.540	140.50	181.16	0.33339	0.39746
45	180.00	468.59	51.527	12.764	143.23	180.66	0.33753	0.39605
46	185.00	496.12	49.415	14.266	146.20	179.86	0.34199	0.39421
47	190.00	525.20	46.872	16.204	149.51	178.59	0.34694	0.39170
48	195.00	556.07	43.573	18.939	153.44	176.50	0.35277	0.38800
49	200.00	589.09	38.397	23.700	158.96	172.48	0.36094	0.38144