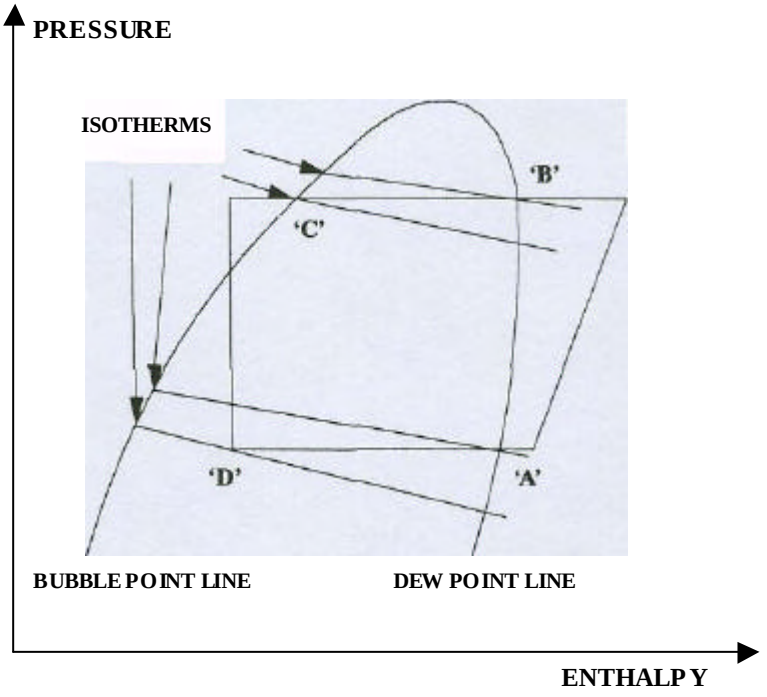
KLEA® 404A

Thermodynamic Property Data
SI Units

Mexichem
FLUOR

SYSTEM PERFORMANCE WITH ZEOTROPIC REFRIGERANT BLENDS

- With a zeotropic refrigerant blend the composition of the vapour changes in the evaporator and the condenser.
- Evaporator inlet and outlet temperatures are different.
- Condenser inlet and outlet temperatures are different.
- At all other points in the system the fluid behaves as normal.
- System design path.
    - Use the liquid temperature at the expansion valve and table 1 to obtain the liquid enthalpy at this point.
    - Use the saturation properties and the superheated vapour properties for other properties around the cycle.



Pressure-Enthalpy Diagram for zeotropic Refrigerant Blends

KLEA 404A

Saturated Liquid and Saturated Vapour Properties

KLEA 404A
Saturation Properties vs. Pressure

Pressure (bara)	Saturated Temp		Density		Enthalpy		Entropy		Pressure (bara)
	Vapour (°C)	Liquid (°C)	Liquid (kg/m³)	Vapour (kg/m³)	Liquid (kJ/kg)	Vapour (kJ/kg)	Liquid (kJ/kg.K)	Vapour (kJ/kg.K)	
0.70	-53.53	-54.41	1326.3	3.840	29.9	235.1	0.717	1.653	0.70
0.75	-52.19	-53.05	1322.4	4.095	31.6	236.0	0.724	1.651	0.75
0.80	-50.92	-51.77	1318.7	4.349	33.2	236.8	0.731	1.650	0.80
0.85	-49.71	-50.55	1315.2	4.603	34.8	237.6	0.738	1.648	0.85
0.90	-48.56	-49.39	1311.7	4.855	36.2	238.3	0.745	1.647	0.90
0.95	-47.45	-48.27	1308.4	5.106	37.6	239.0	0.751	1.646	0.95
1.00	-46.39	-47.20	1305.3	5.357	38.9	239.7	0.757	1.644	1.00
1.05	-45.36	-46.17	1302.2	5.607	40.2	240.4	0.763	1.643	1.05
1.10	-44.38	-45.18	1299.2	5.857	41.5	241.0	0.768	1.642	1.10
1.15	-43.43	-44.22	1296.3	6.106	42.7	241.7	0.773	1.641	1.15
1.20	-42.51	-43.29	1293.6	6.354	43.8	242.2	0.778	1.640	1.20
1.25	-41.62	-42.40	1290.8	6.602	45.0	242.8	0.783	1.640	1.25
1.30	-40.76	-41.53	1288.2	6.849	46.0	243.4	0.788	1.639	1.30
1.35	-39.92	-40.69	1285.6	7.096	47.1	243.9	0.792	1.638	1.35
1.40	-39.11	-39.87	1283.1	7.342	48.1	244.4	0.797	1.637	1.40
1.45	-38.32	-39.07	1280.6	7.588	49.1	245.0	0.801	1.637	1.45
1.50	-37.55	-38.30	1278.3	7.833	50.1	245.4	0.805	1.636	1.50
1.55	-36.80	-37.54	1275.9	8.079	51.1	245.9	0.809	1.635	1.55
1.60	-36.07	-36.81	1273.6	8.324	52.0	246.4	0.813	1.635	1.60
1.65	-35.35	-36.09	1271.4	8.568	52.9	246.9	0.817	1.634	1.65
1.70	-34.66	-35.38	1269.2	8.812	53.8	247.3	0.821	1.634	1.70
1.75	-33.97	-34.70	1267.0	9.056	54.7	247.7	0.824	1.633	1.75
1.80	-33.31	-34.03	1264.9	9.300	55.5	248.2	0.828	1.633	1.80
1.85	-32.65	-33.37	1262.8	9.543	56.3	248.6	0.831	1.632	1.85
1.90	-32.01	-32.72	1260.7	9.787	57.1	249.0	0.835	1.632	1.90
1.95	-31.39	-32.09	1258.7	10.030	57.9	249.4	0.838	1.631	1.95
2.00	-30.77	-31.48	1256.7	10.273	58.7	249.8	0.841	1.631	2.00
2.10	-29.58	-30.27	1252.9	10.758	60.3	250.5	0.847	1.630	2.10
2.20	-28.43	-29.12	1249.1	11.242	61.7	251.3	0.853	1.629	2.20
2.30	-27.31	-28.00	1245.5	11.726	63.2	252.0	0.859	1.629	2.30
2.40	-26.24	-26.91	1241.9	12.209	64.5	252.6	0.865	1.628	2.40

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Saturation Properties vs. Pressure

Pressure (bara)	Saturated Temp		Density		Enthalpy		Entropy		Pressure (bara)
	Vapour (°C)	Liquid (°C)	Liquid (kg/m³)	Vapour (kg/m³)	Liquid (kJ/kg)	Vapour (kJ/kg)	Liquid (kJ/kg.K)	Vapour (kJ/kg.K)	
2.50	-25.20	-25.87	1238.5	12.692	65.9	253.3	0.870	1.627	2.50
2.60	-24.19	-24.85	1235.1	13.175	67.2	253.9	0.875	1.627	2.60
2.70	-23.21	-23.86	1231.8	13.657	68.4	254.5	0.880	1.626	2.70
2.80	-22.25	-22.91	1228.6	14.139	69.7	255.1	0.885	1.626	2.80
2.90	-21.33	-21.97	1225.5	14.621	70.9	255.7	0.890	1.625	2.90
3.00	-20.42	-21.07	1222.4	15.102	72.0	256.3	0.895	1.625	3.00
3.10	-19.54	-20.18	1219.4	15.584	73.2	256.8	0.899	1.624	3.10
3.20	-18.68	-19.32	1216.5	16.065	74.3	257.3	0.904	1.624	3.20
3.30	-17.84	-18.47	1213.6	16.547	75.4	257.9	0.908	1.624	3.30
3.40	-17.02	-17.65	1210.7	17.028	76.5	258.4	0.912	1.623	3.40
3.50	-16.22	-16.84	1207.9	17.510	77.5	258.9	0.916	1.623	3.50
3.60	-15.44	-16.05	1205.2	17.991	78.6	259.3	0.920	1.623	3.60
3.70	-14.67	-15.28	1202.5	18.473	79.6	259.8	0.924	1.622	3.70
3.80	-13.92	-14.53	1199.8	18.955	80.5	260.3	0.928	1.622	3.80
3.90	-13.18	-13.78	1197.2	19.437	81.5	260.7	0.931	1.622	3.90
4.00	-12.46	-13.06	1194.6	19.919	82.5	261.1	0.935	1.621	4.00
4.10	-11.75	-12.35	1192.0	20.402	83.4	261.6	0.939	1.621	4.10
4.20	-11.05	-11.65	1189.5	20.885	84.3	262.0	0.942	1.621	4.20
4.30	-10.37	-10.96	1187.1	21.368	85.2	262.4	0.946	1.621	4.30
4.40	-9.70	-10.28	1184.6	21.851	86.1	262.8	0.949	1.620	4.40
4.50	-9.04	-9.62	1182.2	22.335	87.0	263.2	0.952	1.620	4.50
4.60	-8.39	-8.97	1179.8	22.819	87.9	263.5	0.956	1.620	4.60
4.70	-7.75	-8.33	1177.5	23.303	88.7	263.9	0.959	1.620	4.70
4.80	-7.12	-7.69	1175.2	23.788	89.6	264.3	0.962	1.619	4.80
4.90	-6.50	-7.07	1172.9	24.273	90.4	264.6	0.965	1.619	4.90
5.00	-5.89	-6.46	1170.6	24.759	91.2	265.0	0.968	1.619	5.00
5.10	-5.30	-5.86	1168.3	25.245	92.0	265.3	0.971	1.619	5.10
5.20	-4.70	-5.26	1166.1	25.732	92.8	265.7	0.974	1.619	5.20

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Saturation Properties vs. Pressure

Pressure (bara)	Saturated Temp		Density		Enthalpy		Entropy		Pressure (bara)
	Vapour (°C)	Liquid (°C)	Liquid (kg/m³)	Vapour (kg/m³)	Liquid (kJ/kg)	Vapour (kJ/kg)	Liquid (kJ/kg.K)	Vapour (kJ/kg.K)	
5.30	-4.12	-4.68	1163.9	26.219	93.6	266.0	0.977	1.618	5.30
5.40	-3.55	-4.10	1161.8	26.706	94.4	266.3	0.980	1.618	5.40
5.50	-2.98	-3.53	1159.6	27.194	95.2	266.7	0.983	1.618	5.50
5.60	-2.42	-2.97	1157.5	27.683	95.9	267.0	0.985	1.618	5.60
5.70	-1.87	-2.42	1155.4	28.172	96.7	267.3	0.988	1.618	5.70
5.80	-1.33	-1.87	1153.3	28.662	97.4	267.6	0.991	1.617	5.80
5.90	-0.79	-1.33	1151.2	29.152	98.2	267.9	0.993	1.617	5.90
6.00	-0.26	-0.80	1149.1	29.643	98.9	268.2	0.996	1.617	6.00
6.50	2.29	1.76	1139.1	32.107	102.4	269.6	1.009	1.616	6.50
7.00	4.69	4.18	1129.5	34.587	105.8	270.9	1.021	1.616	7.00
7.50	6.97	6.47	1120.2	37.085	109.0	272.1	1.032	1.615	7.50
8.00	9.14	8.65	1111.2	39.603	112.1	273.2	1.043	1.614	8.00
8.50	11.21	10.72	1102.5	42.142	115.0	274.3	1.053	1.614	8.50
9.00	13.18	12.71	1094.0	44.703	117.9	275.2	1.063	1.613	9.00
9.50	15.08	14.61	1085.7	47.287	120.7	276.1	1.073	1.612	9.50
10.00	16.90	16.44	1077.6	49.896	123.4	277.0	1.082	1.612	10.00
10.50	18.65	18.20	1069.6	52.530	126.0	277.8	1.091	1.611	10.50
11.00	20.34	19.90	1061.8	55.191	128.5	278.5	1.099	1.611	11.00
11.50	21.97	21.54	1054.1	57.880	131.0	279.2	1.107	1.610	11.50
12.00	23.56	23.13	1046.6	60.599	133.5	279.9	1.115	1.609	12.00
12.50	25.09	24.67	1039.1	63.348	135.9	280.5	1.123	1.609	12.50
13.00	26.57	26.16	1031.8	66.129	138.2	281.1	1.131	1.608	13.00
13.50	28.01	27.61	1024.5	68.943	140.5	281.6	1.138	1.607	13.50
14.00	29.42	29.02	1017.3	71.791	142.7	282.1	1.146	1.607	14.00
14.50	30.78	30.39	1010.2	74.675	145.0	282.5	1.153	1.606	14.50
15.00	32.11	31.73	1003.1	77.596	147.1	283.0	1.160	1.605	15.00
15.50	33.41	33.03	996.1	80.556	149.3	283.4	1.167	1.604	15.50
16.00	34.67	34.30	989.1	83.556	151.4	283.7	1.173	1.603	16.00
16.50	35.91	35.54	982.2	86.598	153.5	284.1	1.180	1.603	16.50
17.00	37.11	36.75	975.2	89.683	155.6	284.4	1.186	1.602	17.00

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Saturation Properties vs. Pressure

Pressure (bara)	Saturated Temp		Density		Enthalpy		Entropy		Pressure (bara)
	Vapour (°C)	Liquid (°C)	Liquid (kg/m³)	Vapour (kg/m³)	Liquid (kJ/kg)	Vapour (kJ/kg)	Liquid (kJ/kg.K)	Vapour (kJ/kg.K)	
17.50	38.29	37.94	968.3	92.814	157.7	284.6	1.193	1.601	17.50
18.00	39.45	39.10	961.5	95.992	159.7	284.9	1.199	1.600	18.00
18.50	40.58	40.24	954.6	99.220	161.7	285.1	1.205	1.599	18.50
19.00	41.68	41.35	947.7	102.499	163.7	285.3	1.212	1.598	19.00
19.50	42.77	42.44	940.8	105.831	165.7	285.5	1.218	1.597	19.50
20.00	43.83	43.51	933.9	109.220	167.6	285.6	1.224	1.596	20.00
20.50	44.88	44.56	927.0	112.668	169.6	285.7	1.230	1.595	20.50
21.00	45.90	45.59	920.0	116.177	171.5	285.8	1.236	1.594	21.00
21.50	46.91	46.60	913.0	119.751	173.5	285.9	1.241	1.593	21.50
22.00	47.89	47.60	906.0	123.392	175.4	285.9	1.247	1.592	22.00
22.50	48.87	48.57	898.9	127.105	177.3	285.9	1.253	1.590	22.50
23.00	49.82	49.53	891.8	130.892	179.2	285.9	1.259	1.589	23.00
23.50	50.76	50.48	884.6	134.759	181.2	285.8	1.264	1.588	23.50
24.00	51.68	51.41	877.3	138.709	183.1	285.8	1.270	1.586	24.00
24.50	52.59	52.32	869.9	142.747	185.0	285.7	1.276	1.585	24.50
25.00	53.49	53.22	862.3	146.879	186.9	285.5	1.281	1.584	25.00
25.50	54.37	54.11	854.7	151.110	188.8	285.4	1.287	1.582	25.50

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Superheated Vapour Properties

KLEA 404A Superheated Vapour Properties (D = Density in kg/m³, H = Enthalpy in kJ/kg, S = Entropy in kJ/kg.K)

Temp (°C)	Absolute Pressure (Bara)																		Temp (°C)
	0.7			0.8			0.9			1.01325			1.1			1.2			
	Dew Point -53.53C			Dew Point -50.92C			Dew Point -48.56C			Dew Point -46.11C			Dew Point -44.38C			Dew Point -42.51C			
	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	
-52	3.811	236.2	1.658																-52
-50	3.775	237.7	1.665	4.330	237.5	1.653													-50
-48	3.739	239.1	1.671	4.288	238.9	1.659	4.842	238.7	1.649										-48
-46	3.704	240.6	1.678	4.248	240.4	1.666	4.795	240.2	1.655	5.421	240.0	1.644							-46
-44	3.669	242.0	1.684	4.208	241.9	1.672	4.750	241.7	1.662	5.369	241.5	1.651	5.846	241.3	1.644				-44
-42	3.635	243.5	1.691	4.169	243.3	1.679	4.705	243.2	1.668	5.318	243.0	1.657	5.790	242.8	1.650	6.338	242.6	1.642	-42
-40	3.602	245.0	1.697	4.130	244.8	1.685	4.662	244.7	1.675	5.268	244.5	1.664	5.735	244.3	1.656	6.278	244.1	1.649	-40
-38	3.570	246.5	1.703	4.093	246.3	1.691	4.619	246.2	1.681	5.219	246.0	1.670	5.682	245.8	1.663	6.218	245.6	1.655	-38
-36	3.538	248.0	1.710	4.056	247.8	1.698	4.577	247.7	1.687	5.171	247.5	1.677	5.629	247.3	1.669	6.160	247.2	1.661	-36
-34	3.507	249.5	1.716	4.019	249.4	1.704	4.536	249.2	1.694	5.124	249.0	1.683	5.577	248.9	1.676	6.103	248.7	1.668	-34
-32	3.476	251.1	1.722	3.984	250.9	1.711	4.495	250.7	1.700	5.078	250.5	1.689	5.527	250.4	1.682	6.047	250.2	1.674	-32
-30	3.446	252.6	1.729	3.949	252.4	1.717	4.455	252.3	1.706	5.032	252.1	1.696	5.477	251.9	1.688	5.993	251.8	1.681	-30
-28	3.416	254.1	1.735	3.915	254.0	1.723	4.416	253.8	1.713	4.988	253.6	1.702	5.428	253.5	1.695	5.939	253.3	1.687	-28
-26	3.387	255.7	1.741	3.881	255.5	1.729	4.378	255.3	1.719	4.944	255.2	1.708	5.381	255.0	1.701	5.886	254.9	1.693	-26
-24	3.358	257.2	1.748	3.848	257.1	1.736	4.341	256.9	1.725	4.902	256.7	1.715	5.334	256.6	1.707	5.834	256.4	1.700	-24
-22	3.330	258.8	1.754	3.816	258.6	1.742	4.304	258.5	1.732	4.860	258.3	1.721	5.288	258.1	1.714	5.784	258.0	1.706	-22
-20	3.302	260.3	1.760	3.784	260.2	1.748	4.267	260.0	1.738	4.818	259.9	1.727	5.242	259.7	1.720	5.734	259.6	1.712	-20
-18	3.275	261.9	1.766	3.752	261.8	1.754	4.232	261.6	1.744	4.778	261.4	1.733	5.198	261.3	1.726	5.685	261.2	1.718	-18
-16	3.248	263.5	1.772	3.721	263.4	1.761	4.197	263.2	1.750	4.738	263.0	1.740	5.154	262.9	1.732	5.637	262.7	1.725	-16
-14	3.222	265.1	1.779	3.691	264.9	1.767	4.162	264.8	1.756	4.699	264.6	1.746	5.112	264.5	1.739	5.590	264.3	1.731	-14
-12	3.196	266.7	1.785	3.661	266.5	1.773	4.129	266.4	1.763	4.660	266.2	1.752	5.070	266.1	1.745	5.543	266.0	1.737	-12
-10	3.171	268.3	1.791	3.632	268.2	1.779	4.095	268.0	1.769	4.622	267.8	1.758	5.028	267.7	1.751	5.498	267.6	1.743	-10
-8	3.146	269.9	1.797	3.603	269.8	1.785	4.063	269.6	1.775	4.585	269.5	1.764	4.987	269.3	1.757	5.453	269.2	1.749	-8
-6	3.121	271.5	1.803	3.575	271.4	1.791	4.030	271.3	1.781	4.549	271.1	1.770	4.948	271.0	1.763	5.409	270.8	1.755	-6
-4	3.097	273.2	1.809	3.547	273.0	1.797	3.999	272.9	1.787	4.513	272.7	1.777	4.908	272.6	1.769	5.366	272.5	1.761	-4
-2	3.073	274.8	1.815	3.520	274.7	1.803	3.968	274.5	1.793	4.477	274.4	1.783	4.870	274.3	1.775	5.323	274.1	1.768	-2
0	3.050	276.5	1.821	3.493	276.3	1.810	3.937	276.2	1.799	4.443	276.0	1.789	4.831	275.9	1.781	5.281	275.8	1.774	0
2	3.027	278.1	1.827	3.466	278.0	1.816	3.907	277.8	1.805	4.408	277.7	1.795	4.794	277.6	1.787	5.240	277.4	1.780	2
4	3.004	279.8	1.833	3.440	279.6	1.822	3.877	279.5	1.811	4.375	279.4	1.801	4.757	279.2	1.793	5.200	279.1	1.786	4
6	2.982	281.4	1.839	3.414	281.3	1.828	3.848	281.2	1.817	4.342	281.0	1.807	4.721	280.9	1.800	5.160	280.8	1.792	6
8	2.960	283.1	1.845	3.389	283.0	1.834	3.819	282.9	1.823	4.309	282.7	1.813	4.685	282.6	1.806	5.121	282.5	1.798	8
10	2.938	284.8	1.851	3.364	284.7	1.840	3.791	284.5	1.829	4.277	284.4	1.819	4.650	284.3	1.812	5.082	284.2	1.804	10
12	2.917	286.5	1.857	3.339	286.4	1.846	3.763	286.2	1.835	4.245	286.1	1.825	4.616	286.0	1.817	5.044	285.9	1.810	12
14	2.896	288.2	1.863	3.315	288.1	1.851	3.736	287.9	1.841	4.214	287.8	1.831	4.582	287.7	1.823	5.007	287.6	1.816	14
16	2.875	289.9	1.869	3.291	289.8	1.857	3.709	289.6	1.847	4.183	289.5	1.837	4.548	289.4	1.829	4.970	289.3	1.822	16
18	2.854	291.6	1.875	3.268	291.5	1.863	3.682	291.4	1.853	4.153	291.2	1.843	4.515	291.1	1.835	4.934	291.0	1.828	18
20	2.834	293.3	1.881	3.244	293.2	1.869	3.656	293.1	1.859	4.123	293.0	1.848	4.483	292.8	1.841	4.898	292.7	1.834	20
25	2.785	297.7	1.896	3.188	297.6	1.884	3.592	297.4	1.874	4.051	297.3	1.863	4.403	297.2	1.856	4.811	297.1	1.848	25
30	2.738	302.1	1.910	3.133	301.9	1.898	3.530	301.8	1.888	3.981	301.7	1.878	4.327	301.6	1.871	4.727	301.5	1.863	30
35	2.692	306.5	1.925	3.081	306.4	1.913	3.471	306.3	1.903	3.913	306.1	1.892	4.253	306.0	1.885	4.647	305.9	1.877	35
40	2.648	311.0	1.939	3.030	310.8	1.927	3.413	310.7	1.917	3.848	310.6	1.907	4.182	310.5	1.900	4.569	310.4	1.892	40
45	2.605	315.5	1.953	2.981	315.4	1.942	3.357	315.3	1.931	3.785	315.1	1.921	4.114	315.0	1.914	4.493	314.9	1.906	45
50	2.564	320.0	1.968	2.933	319.9	1.956	3.304	319.8	1.946	3.724	319.7	1.935	4.047	319.6	1.928	4.420	319.5	1.920	50

KLEA 404A Superheated Vapour Properties (D = Density in kg/m³, H = Enthalpy in kJ/kg, S = Entropy in kJ/kg.K)

Temp (°C)	Absolute Pressure (Bara)																		Temp (°C)
	1.3			1.4			1.5			1.6			1.7			1.8			
	Dew Point -40.76C			Dew Point -39.11C			Dew Point -37.55C			Dew Point -36.07C			Dew Point -34.66C			Dew Point -33.31C			
	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	
-40	6.824	244.0	1.641																-40
-38	6.759	245.5	1.648	7.303	245.3	1.641													-38
-36	6.695	247.0	1.654	7.233	246.8	1.647	7.775	246.6	1.641	8.321	246.4	1.635							-36
-34	6.632	248.5	1.661	7.165	248.3	1.654	7.701	248.2	1.647	8.241	248.0	1.641	8.784	247.8	1.636				-34
-32	6.571	250.0	1.667	7.098	249.9	1.660	7.629	249.7	1.654	8.163	249.5	1.648	8.700	249.4	1.642	9.241	249.2	1.637	-32
-30	6.511	251.6	1.673	7.033	251.4	1.667	7.558	251.2	1.660	8.086	251.1	1.654	8.618	250.9	1.649	9.153	250.7	1.643	-30
-28	6.452	253.1	1.680	6.969	253.0	1.673	7.489	252.8	1.667	8.011	252.6	1.661	8.538	252.5	1.655	9.067	252.3	1.650	-28
-26	6.395	254.7	1.686	6.906	254.5	1.679	7.420	254.4	1.673	7.938	254.2	1.667	8.459	254.0	1.661	8.982	253.9	1.656	-26
-24	6.338	256.3	1.692	6.844	256.1	1.686	7.354	255.9	1.679	7.866	255.8	1.673	8.381	255.6	1.668	8.900	255.4	1.662	-24
-22	6.282	257.8	1.699	6.784	257.7	1.692	7.288	257.5	1.686	7.795	257.4	1.680	8.305	257.2	1.674	8.818	257.0	1.669	-22
-20	6.228	259.4	1.705	6.725	259.3	1.698	7.224	259.1	1.692	7.726	258.9	1.686	8.231	258.8	1.680	8.739	258.6	1.675	-20
-18	6.174	261.0	1.711	6.666	260.8	1.704	7.161	260.7	1.698	7.658	260.5	1.692	8.158	260.4	1.687	8.661	260.2	1.681	-18
-16	6.122	262.6	1.717	6.609	262.4	1.711	7.099	262.3	1.704	7.592	262.1	1.698	8.087	262.0	1.693	8.584	261.8	1.688	-16
-14	6.070	264.2	1.724	6.553	264.0	1.717	7.038	263.9	1.711	7.526	263.7	1.705	8.017	263.6	1.699	8.509	263.4	1.694	-14
-12	6.020	265.8	1.730	6.498	265.7	1.723	6.979	265.5	1.717	7.462	265.4	1.711	7.948	265.2	1.705	8.436	265.1	1.700	-12
-10	5.970	267.4	1.736	6.444	267.3	1.729	6.920	267.1	1.723	7.399	267.0	1.717	7.880	266.8	1.712	8.364	266.7	1.706	-10
-8	5.921	269.1	1.742	6.391	268.9	1.735	6.863	268.8	1.729	7.337	268.6	1.723	7.814	268.5	1.718	8.293	268.3	1.712	-8
-6	5.873	270.7	1.748	6.338	270.5	1.742	6.806	270.4	1.735	7.276	270.3	1.729	7.749	270.1	1.724	8.223	270.0	1.719	-6
-4	5.825	272.3	1.754	6.287	272.2	1.748	6.751	272.0	1.741	7.217	271.9	1.736	7.685	271.8	1.730	8.155	271.6	1.725	-4
-2	5.779	274.0	1.760	6.237	273.8	1.754	6.696	273.7	1.748	7.158	273.6	1.742	7.622	273.4	1.736	8.088	273.3	1.731	-2
0	5.733	275.6	1.766	6.187	275.5	1.760	6.643	275.4	1.754	7.100	275.2	1.748	7.560	275.1	1.742	8.022	274.9	1.737	0
2	5.688	277.3	1.773	6.138	277.2	1.766	6.590	277.0	1.760	7.044	276.9	1.754	7.499	276.7	1.748	7.957	276.6	1.743	2
4	5.644	279.0	1.779	6.090	278.8	1.772	6.538	278.7	1.766	6.988	278.6	1.760	7.440	278.4	1.754	7.893	278.3	1.749	4
6	5.601	280.6	1.785	6.043	280.5	1.778	6.487	280.4	1.772	6.933	280.2	1.766	7.381	280.1	1.760	7.830	280.0	1.755	6
8	5.558	282.3	1.791	5.997	282.2	1.784	6.437	282.1	1.778	6.879	281.9	1.772	7.323	281.8	1.767	7.769	281.7	1.761	8
10	5.516	284.0	1.797	5.951	283.9	1.790	6.388	283.8	1.784	6.826	283.6	1.778	7.266	283.5	1.773	7.708	283.4	1.767	10
12	5.474	285.7	1.803	5.906	285.6	1.796	6.339	285.5	1.790	6.774	285.3	1.784	7.211	285.2	1.779	7.649	285.1	1.773	12
14	5.434	287.4	1.809	5.862	287.3	1.802	6.292	287.2	1.796	6.723	287.0	1.790	7.156	286.9	1.785	7.590	286.8	1.779	14
16	5.393	289.1	1.815	5.818	289.0	1.808	6.245	288.9	1.802	6.672	288.8	1.796	7.102	288.6	1.791	7.533	288.5	1.785	16
18	5.354	290.9	1.820	5.775	290.7	1.814	6.198	290.6	1.808	6.623	290.5	1.802	7.049	290.4	1.796	7.476	290.2	1.791	18
20	5.315	292.6	1.826	5.733	292.5	1.820	6.153	292.4	1.814	6.574	292.2	1.808	6.996	292.1	1.802	7.420	292.0	1.797	20
25	5.220	297.0	1.841	5.630	296.8	1.835	6.042	296.7	1.828	6.455	296.6	1.823	6.869	296.5	1.817	7.285	296.3	1.812	25
30	5.129	301.4	1.856	5.531	301.2	1.849	5.935	301.1	1.843	6.340	301.0	1.837	6.747	300.9	1.832	7.154	300.8	1.827	30
35	5.041	305.8	1.870	5.436	305.7	1.864	5.832	305.6	1.858	6.230	305.5	1.852	6.629	305.3	1.846	7.028	305.2	1.841	35
40	4.956	310.3	1.885	5.344	310.2	1.878	5.733	310.1	1.872	6.124	310.0	1.866	6.515	309.8	1.861	6.907	309.7	1.856	40
45	4.874	314.8	1.899	5.255	314.7	1.893	5.638	314.6	1.886	6.021	314.5	1.881	6.405	314.4	1.875	6.791	314.3	1.870	45
50	4.794	319.4	1.913	5.169	319.3	1.907	5.545	319.2	1.901	5.922	319.1	1.895	6.300	319.0	1.890	6.678	318.9	1.885	50
55	4.718	324.0	1.928	5.086	323.9	1.921	5.456	323.8	1.915	5.826	323.7	1.909	6.197	323.6	1.904	6.569	323.5	1.899	55
60	4.644	328.7	1.942	5.006	328.6	1.935	5.369	328.5	1.929	5.734	328.4	1.923	6.098	328.3	1.918	6.464	328.2	1.913	60
65	4.572	333.4	1.956	4.928	333.3	1.949	5.286	333.2	1.943	5.644	333.1	1.937	6.003	333.0	1.932	6.362	332.9	1.927	65
70	4.502	338.2	1.970	4.853	338.1	1.963	5.205	338.0	1.957	5.557	337.9	1.951	5.910	337.8	1.946	6.264	337.7	1.941	70

KLEA 404A Superheated Vapour Properties (D = Density in kg/m³, H = Enthalpy in kJ/kg, S = Entropy in kJ/kg.K)

Temp (°C)	Absolute Pressure (Bara)																		Temp (°C)
	1.9			2.0			2.1			2.2			2.3			2.4			
	Dew Point -32.01C			Dew Point -30.77C			Dew Point -29.58C			Dew Point -28.43C			Dew Point -27.31C			Dew Point -26.24C			
	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	
-32	9.786	249.0	1.632																-32
-30	9.692	250.6	1.638	10.234	250.4	1.633													-30
-28	9.600	252.1	1.645	10.136	252.0	1.640	10.675	251.8	1.635	11.219	251.6	1.6							-28
-26	9.509	253.7	1.651	10.040	253.5	1.646	10.573	253.4	1.642	11.110	253.2	1.637	11.651	253.0	1.633	12.195	252.8	1.629	-26
-24	9.421	255.3	1.657	9.946	255.1	1.653	10.473	254.9	1.648	11.004	254.8	1.643	11.539	254.6	1.639	12.076	254.4	1.635	-24
-22	9.334	256.9	1.664	9.853	256.7	1.659	10.375	256.5	1.654	10.901	256.4	1.650	11.429	256.2	1.646	11.961	256.0	1.642	-22
-20	9.250	258.5	1.670	9.763	258.3	1.665	10.280	258.1	1.661	10.799	258.0	1.656	11.322	257.8	1.652	11.848	257.6	1.648	-20
-18	9.166	260.1	1.676	9.675	259.9	1.672	10.186	259.7	1.667	10.700	259.6	1.663	11.217	259.4	1.658	11.737	259.2	1.654	-18
-16	9.085	261.7	1.683	9.588	261.5	1.678	10.094	261.3	1.673	10.602	261.2	1.669	11.114	261.0	1.665	11.628	260.9	1.661	-16
-14	9.005	263.3	1.689	9.503	263.1	1.684	10.003	263.0	1.680	10.507	262.8	1.675	11.013	262.7	1.671	11.522	262.5	1.667	-14
-12	8.926	264.9	1.695	9.419	264.7	1.690	9.915	264.6	1.686	10.413	264.4	1.681	10.914	264.3	1.677	11.418	264.1	1.673	-12
-10	8.849	266.5	1.701	9.338	266.4	1.697	9.828	266.2	1.692	10.322	266.1	1.688	10.817	265.9	1.683	11.316	265.8	1.679	-10
-8	8.774	268.2	1.707	9.257	268.0	1.703	9.743	267.9	1.698	10.232	267.7	1.694	10.722	267.6	1.690	11.216	267.4	1.686	-8
-6	8.700	269.8	1.714	9.179	269.7	1.709	9.660	269.5	1.704	10.143	269.4	1.700	10.629	269.2	1.696	11.117	269.1	1.692	-6
-4	8.627	271.5	1.720	9.101	271.3	1.715	9.578	271.2	1.711	10.057	271.0	1.706	10.538	270.9	1.702	11.021	270.7	1.698	-4
-2	8.555	273.1	1.726	9.025	273.0	1.721	9.497	272.8	1.717	9.972	272.7	1.712	10.448	272.5	1.708	10.927	272.4	1.704	-2
0	8.485	274.8	1.732	8.951	274.6	1.727	9.418	274.5	1.723	9.888	274.4	1.719	10.360	274.2	1.714	10.834	274.1	1.710	0
2	8.416	276.5	1.738	8.878	276.3	1.733	9.341	276.2	1.729	9.806	276.0	1.725	10.274	275.9	1.721	10.743	275.8	1.717	2
4	8.348	278.1	1.744	8.806	278.0	1.740	9.265	277.9	1.735	9.726	277.7	1.731	10.189	277.6	1.727	10.654	277.4	1.723	4
6	8.282	279.8	1.750	8.735	279.7	1.746	9.190	279.6	1.741	9.647	279.4	1.737	10.106	279.3	1.733	10.566	279.1	1.729	6
8	8.216	281.5	1.756	8.665	281.4	1.752	9.116	281.3	1.747	9.569	281.1	1.743	10.024	281.0	1.739	10.480	280.8	1.735	8
10	8.152	283.2	1.762	8.597	283.1	1.758	9.044	283.0	1.753	9.493	282.8	1.749	9.944	282.7	1.745	10.396	282.6	1.741	10
12	8.089	284.9	1.768	8.530	284.8	1.764	8.973	284.7	1.759	9.418	284.5	1.755	9.865	284.4	1.751	10.313	284.3	1.747	12
14	8.026	286.7	1.774	8.464	286.5	1.770	8.903	286.4	1.765	9.344	286.3	1.761	9.787	286.1	1.757	10.231	286.0	1.753	14
16	7.965	288.4	1.780	8.399	288.3	1.776	8.835	288.1	1.771	9.272	288.0	1.767	9.711	287.9	1.763	10.151	287.7	1.759	16
18	7.905	290.1	1.786	8.335	290.0	1.782	8.767	289.9	1.777	9.201	289.7	1.773	9.636	289.6	1.769	10.072	289.5	1.765	18
20	7.846	291.9	1.792	8.272	291.7	1.788	8.701	291.6	1.783	9.131	291.5	1.779	9.562	291.3	1.775	9.995	291.2	1.771	20
25	7.701	296.2	1.807	8.120	296.1	1.803	8.539	296.0	1.798	8.960	295.9	1.794	9.383	295.7	1.790	9.806	295.6	1.786	25
30	7.563	300.6	1.822	7.973	300.5	1.817	8.384	300.4	1.813	8.797	300.3	1.809	9.210	300.2	1.804	9.626	300.0	1.801	30
35	7.429	305.1	1.836	7.832	305.0	1.832	8.235	304.9	1.827	8.639	304.8	1.823	9.045	304.6	1.819	9.452	304.5	1.815	35
40	7.301	309.6	1.851	7.696	309.5	1.846	8.091	309.4	1.842	8.488	309.3	1.838	8.886	309.2	1.834	9.285	309.1	1.830	40
45	7.177	314.2	1.865	7.564	314.1	1.861	7.953	314.0	1.856	8.342	313.8	1.852	8.732	313.7	1.848	9.124	313.6	1.844	45
50	7.058	318.8	1.880	7.438	318.7	1.875	7.819	318.6	1.871	8.201	318.4	1.867	8.585	318.3	1.863	8.969	318.2	1.859	50
55	6.942	323.4	1.894	7.316	323.3	1.889	7.690	323.2	1.885	8.066	323.1	1.881	8.442	323.0	1.877	8.819	322.9	1.873	55
60	6.831	328.1	1.908	7.198	328.0	1.904	7.566	327.9	1.899	7.935	327.8	1.895	8.304	327.7	1.891	8.675	327.6	1.887	60
65	6.723	332.8	1.922	7.084	332.7	1.918	7.446	332.6	1.913	7.808	332.5	1.909	8.172	332.4	1.905	8.536	332.3	1.901	65
70	6.618	337.6	1.936	6.973	337.5	1.932	7.329	337.4	1.927	7.686	337.3	1.923	8.043	337.2	1.919	8.401	337.1	1.915	70
75	6.517	342.4	1.950	6.867	342.3	1.946	7.217	342.2	1.941	7.567	342.1	1.937	7.919	342.0	1.933	8.271	341.9	1.929	75
80	6.420	347.2	1.964	6.763	347.1	1.959	7.108	347.1	1.955	7.453	347.0	1.951	7.798	346.9	1.947	8.145	346.8	1.943	80
85	6.325	352.1	1.978	6.663	352.0	1.973	7.002	352.0	1.969	7.342	351.9	1.965	7.682	351.8	1.961	8.022	351.7	1.957	85
90	6.233	357.1	1.991	6.566	357.0	1.987	6.900	356.9	1.983	7.234	356.8	1.978	7.569	356.7	1.974	7.904	356.6	1.971	90
95	6.144	362.0	2.005	6.472	362.0	2.000	6.801	361.9	1.996	7.130	361.8	1.992	7.460	361.7	1.988	7.790	361.6	1.984	95

KLEA 404A Superheated Vapour Properties (D = Density in kg/m³, H = Enthalpy in kJ/kg, S = Entropy in kJ/kg.K)

Temp (°C)	Absolute Pressure (Bara)																		Temp (°C)
	2.5			2.6			2.7			2.8			2.9			3.0			
	Dew Point -25.20C			Dew Point -24.19C			Dew Point -23.21C			Dew Point -22.25C			Dew Point -21.33C			Dew Point -20.42C			
	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	
-24	12.618	254.3	1.631	13.162	254.1	1.627													-24
-22	12.496	255.9	1.638	13.034	255.7	1.634	13.576	255.5	1.630	14.121	255.3	1.627							-22
-20	12.376	257.5	1.644	12.909	257.3	1.640	13.444	257.1	1.637	13.983	257.0	1.6	14.525	256.8	1.630	15.070	256.6	1.626	-20
-18	12.260	259.1	1.650	12.786	258.9	1.647	13.315	258.8	1.643	13.847	258.6	1.639	14.383	258.4	1.636	14.922	258.2	1.633	-18
-16	12.145	260.7	1.657	12.666	260.5	1.653	13.189	260.4	1.649	13.715	260.2	1.646	14.245	260.0	1.642	14.777	259.9	1.639	-16
-14	12.033	262.3	1.663	12.548	262.2	1.659	13.065	262.0	1.656	13.586	261.9	1.652	14.109	261.7	1.649	14.636	261.5	1.645	-14
-12	11.924	264.0	1.669	12.433	263.8	1.666	12.945	263.7	1.662	13.459	263.5	1.658	13.977	263.3	1.655	14.497	263.2	1.652	-12
-10	11.816	265.6	1.676	12.320	265.5	1.672	12.826	265.3	1.668	13.335	265.1	1.665	13.847	265.0	1.661	14.361	264.8	1.658	-10
-8	11.711	267.3	1.682	12.210	267.1	1.678	12.710	267.0	1.674	13.214	266.8	1.671	13.720	266.6	1.668	14.229	266.5	1.664	-8
-6	11.608	268.9	1.688	12.101	268.8	1.684	12.597	268.6	1.681	13.095	268.5	1.677	13.596	268.3	1.674	14.099	268.2	1.671	-6
-4	11.507	270.6	1.694	11.995	270.4	1.691	12.486	270.3	1.687	12.978	270.1	1.683	13.474	270.0	1.680	13.972	269.8	1.677	-4
-2	11.408	272.3	1.700	11.891	272.1	1.697	12.376	272.0	1.693	12.864	271.8	1.690	13.354	271.7	1.686	13.847	271.5	1.683	-2
0	11.310	273.9	1.707	11.789	273.8	1.703	12.269	273.6	1.699	12.752	273.5	1.696	13.237	273.3	1.692	13.725	273.2	1.689	0
2	11.215	275.6	1.713	11.689	275.5	1.709	12.164	275.3	1.705	12.642	275.2	1.702	13.123	275.0	1.699	13.605	274.9	1.695	2
4	11.121	277.3	1.719	11.590	277.2	1.715	12.061	277.0	1.712	12.535	276.9	1.708	13.010	276.7	1.705	13.488	276.6	1.702	4
6	11.029	279.0	1.725	11.494	278.9	1.721	11.960	278.7	1.718	12.429	278.6	1.714	12.900	278.4	1.711	13.373	278.3	1.708	6
8	10.939	280.7	1.731	11.399	280.6	1.727	11.861	280.4	1.724	12.325	280.3	1.720	12.792	280.2	1.717	13.260	280.0	1.714	8
10	10.850	282.4	1.737	11.306	282.3	1.733	11.764	282.2	1.730	12.224	282.0	1.726	12.685	281.9	1.723	13.149	281.7	1.720	10
12	10.763	284.1	1.743	11.215	284.0	1.740	11.668	283.9	1.736	12.124	283.7	1.733	12.581	283.6	1.729	13.040	283.5	1.726	12
14	10.677	285.9	1.749	11.125	285.7	1.746	11.574	285.6	1.742	12.026	285.5	1.739	12.478	285.3	1.735	12.933	285.2	1.732	14
16	10.593	287.6	1.755	11.037	287.5	1.752	11.482	287.3	1.748	11.929	287.2	1.745	12.378	287.1	1.741	12.828	286.9	1.738	16
18	10.510	289.3	1.761	10.950	289.2	1.758	11.391	289.1	1.754	11.834	289.0	1.751	12.279	288.8	1.747	12.725	288.7	1.744	18
20	10.429	291.1	1.767	10.865	291.0	1.764	11.302	290.8	1.760	11.741	290.7	1.757	12.182	290.6	1.753	12.624	290.4	1.750	20
25	10.232	295.5	1.782	10.658	295.4	1.778	11.086	295.2	1.775	11.516	295.1	1.772	11.947	295.0	1.768	12.379	294.9	1.765	25
30	10.042	299.9	1.797	10.460	299.8	1.793	10.879	299.7	1.790	11.299	299.6	1.786	11.721	299.4	1.783	12.144	299.3	1.780	30
35	9.860	304.4	1.812	10.269	304.3	1.808	10.680	304.2	1.804	11.091	304.1	1.801	11.504	303.9	1.798	11.919	303.8	1.795	35
40	9.685	308.9	1.826	10.086	308.8	1.822	10.488	308.7	1.819	10.892	308.6	1.816	11.296	308.5	1.812	11.702	308.4	1.809	40
45	9.516	313.5	1.841	9.910	313.4	1.837	10.304	313.3	1.834	10.700	313.2	1.830	11.096	313.1	1.827	11.494	313.0	1.824	45
50	9.354	318.1	1.855	9.740	318.0	1.851	10.127	317.9	1.848	10.515	317.8	1.845	10.904	317.7	1.841	11.294	317.6	1.838	50
55	9.197	322.8	1.869	9.576	322.7	1.866	9.956	322.6	1.862	10.337	322.5	1.859	10.719	322.4	1.856	11.101	322.2	1.853	55
60	9.046	327.5	1.883	9.418	327.4	1.880	9.791	327.3	1.876	10.165	327.2	1.873	10.540	327.1	1.870	10.916	327.0	1.867	60
65	8.900	332.2	1.898	9.266	332.1	1.894	9.632	332.0	1.891	10.000	331.9	1.887	10.368	331.8	1.884	10.736	331.7	1.881	65
70	8.759	337.0	1.912	9.119	336.9	1.908	9.479	336.8	1.905	9.840	336.7	1.901	10.201	336.6	1.898	10.563	336.5	1.895	70
75	8.623	341.8	1.926	8.976	341.7	1.922	9.330	341.6	1.919	9.685	341.5	1.915	10.040	341.4	1.912	10.396	341.3	1.909	75
80	8.491	346.7	1.939	8.839	346.6	1.936	9.187	346.5	1.933	9.536	346.4	1.929	9.885	346.3	1.926	10.235	346.2	1.923	80
85	8.364	351.6	1.953	8.706	351.5	1.950	9.048	351.4	1.946	9.391	351.3	1.943	9.735	351.2	1.940	10.079	351.1	1.937	85
90	8.240	356.5	1.967	8.577	356.5	1.963	8.913	356.4	1.960	9.251	356.3	1.957	9.589	356.2	1.954	9.928	356.1	1.951	90
95	8.120	361.5	1.981	8.452	361.4	1.977	8.783	361.4	1.974	9.115	361.3	1.970	9.448	361.2	1.967	9.781	361.1	1.964	95
100	8.004	366.6	1.994	8.330	366.5	1.991	8.657	366.4	1.987	8.984	366.3	1.984	9.311	366.2	1.981	9.639	366.1	1.978	100
105	7.891	371.6	2.008	8.213	371.5	2.004	8.534	371.5	2.001	8.856	371.4	1.998	9.179	371.3	1.994	9.502	371.2	1.991	105
110	7.782	376.7	2.021	8.099	376.7	2.018	8.415	376.6	2.014	8.733	376.5	2.011	9.050	376.4	2.008	9.369	376.3	2.005	110
115	7.676	381.9	2.034	7.988	381.8	2.031	8.300	381.7	2.028	8.613	381.6	2.024	8.926	381.6	2.021	9.239	381.5	2.018	115

KLEA 404A Superheated Vapour Properties (D = Density in kg/m³, H = Enthalpy in kJ/kg, S = Entropy in kJ/kg.K)

Temp (°C)	Absolute Pressure (Bara)																		Temp (°C)
	3.1			3.2			3.3			3.4			3.5			3.6			
	Dew Point -19.54C			Dew Point -18.68C			Dew Point -17.84C			Dew Point -17.02C			Dew Point -16.22C			Dew Point -15.44C			
	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	
-18	15.464	258.1	1.629	16.010	257.9	1.626													-18
-16	15.313	259.7	1.636	15.852	259.5	1.633	16.395	259.4	1.630	16.941	259.2	1.627	17.490	259.0	1.624				-16
-14	15.165	261.4	1.642	15.698	261.2	1.639	16.234	261.0	1.636	16.773	260.9	1.6	17.315	260.7	1.630	17.861	260.5	1.627	-14
-12	15.020	263.0	1.648	15.547	262.8	1.645	16.076	262.7	1.642	16.609	262.5	1.639	17.144	262.4	1.636	17.683	262.2	1.634	-12
-10	14.879	264.7	1.655	15.399	264.5	1.652	15.922	264.3	1.649	16.449	264.2	1.646	16.978	264.0	1.643	17.510	263.9	1.640	-10
-8	14.740	266.3	1.661	15.255	266.2	1.658	15.772	266.0	1.655	16.292	265.9	1.652	16.815	265.7	1.649	17.341	265.5	1.646	-8
-6	14.605	268.0	1.667	15.113	267.8	1.664	15.625	267.7	1.661	16.139	267.5	1.658	16.655	267.4	1.655	17.175	267.2	1.653	-6
-4	14.472	269.7	1.674	14.975	269.5	1.671	15.481	269.4	1.668	15.989	269.2	1.665	16.500	269.1	1.662	17.013	268.9	1.659	-4
-2	14.342	271.4	1.680	14.840	271.2	1.677	15.339	271.1	1.674	15.842	270.9	1.671	16.347	270.8	1.668	16.855	270.6	1.665	-2
0	14.215	273.0	1.686	14.707	272.9	1.683	15.201	272.8	1.680	15.698	272.6	1.677	16.198	272.4	1.674	16.700	272.3	1.671	0
2	14.090	274.7	1.692	14.577	274.6	1.689	15.066	274.5	1.686	15.558	274.3	1.683	16.052	274.2	1.680	16.548	274.0	1.678	2
4	13.967	276.4	1.698	14.449	276.3	1.695	14.933	276.2	1.692	15.420	276.0	1.689	15.908	275.9	1.687	16.399	275.7	1.684	4
6	13.847	278.2	1.705	14.324	278.0	1.702	14.804	277.9	1.699	15.285	277.7	1.696	15.768	277.6	1.693	16.254	277.4	1.690	6
8	13.730	279.9	1.711	14.202	279.7	1.708	14.676	279.6	1.705	15.152	279.5	1.702	15.631	279.3	1.699	16.111	279.2	1.696	8
10	13.614	281.6	1.717	14.082	281.5	1.714	14.551	281.3	1.711	15.023	281.2	1.708	15.496	281.0	1.705	15.972	280.9	1.702	10
12	13.501	283.3	1.723	13.964	283.2	1.720	14.429	283.1	1.717	14.895	282.9	1.714	15.364	282.8	1.711	15.835	282.6	1.708	12
14	13.390	285.1	1.729	13.848	284.9	1.726	14.308	284.8	1.723	14.770	284.7	1.720	15.234	284.5	1.717	15.700	284.4	1.715	14
16	13.281	286.8	1.735	13.735	286.7	1.732	14.190	286.5	1.729	14.648	286.4	1.726	15.107	286.3	1.723	15.569	286.1	1.721	16
18	13.173	288.6	1.741	13.623	288.4	1.738	14.075	288.3	1.735	14.528	288.2	1.732	14.983	288.0	1.729	15.439	287.9	1.727	18
20	13.068	290.3	1.747	13.514	290.2	1.744	13.961	290.1	1.741	14.410	289.9	1.738	14.860	289.8	1.735	15.312	289.7	1.733	20
25	12.813	294.7	1.762	13.248	294.6	1.759	13.685	294.5	1.756	14.124	294.4	1.753	14.564	294.2	1.750	15.005	294.1	1.748	25
30	12.568	299.2	1.777	12.994	299.1	1.774	13.422	299.0	1.771	13.850	298.8	1.768	14.280	298.7	1.765	14.712	298.6	1.763	30
35	12.334	303.7	1.792	12.751	303.6	1.789	13.169	303.5	1.786	13.588	303.3	1.783	14.009	303.2	1.780	14.431	303.1	1.777	35
40	12.109	308.3	1.806	12.517	308.1	1.803	12.927	308.0	1.800	13.337	307.9	1.798	13.749	307.8	1.795	14.162	307.7	1.792	40
45	11.893	312.8	1.821	12.293	312.7	1.818	12.694	312.6	1.815	13.096	312.5	1.812	13.499	312.4	1.809	13.903	312.3	1.807	45
50	11.685	317.5	1.835	12.077	317.4	1.832	12.470	317.2	1.829	12.864	317.1	1.827	13.259	317.0	1.824	13.655	316.9	1.821	50
55	11.485	322.1	1.850	11.869	322.0	1.847	12.255	321.9	1.844	12.641	321.8	1.841	13.028	321.7	1.838	13.416	321.6	1.836	55
60	11.292	326.9	1.864	11.669	326.7	1.861	12.047	326.6	1.858	12.426	326.5	1.855	12.806	326.4	1.853	13.187	326.3	1.850	60
65	11.106	331.6	1.878	11.476	331.5	1.875	11.847	331.4	1.872	12.219	331.3	1.869	12.592	331.2	1.867	12.966	331.1	1.864	65
70	10.926	336.4	1.892	11.290	336.3	1.889	11.654	336.2	1.886	12.020	336.1	1.884	12.386	336.0	1.881	12.752	335.9	1.878	70
75	10.753	341.2	1.906	11.110	341.1	1.903	11.468	341.0	1.900	11.827	341.0	1.898	12.186	340.9	1.895	12.547	340.8	1.892	75
80	10.585	346.1	1.920	10.937	346.0	1.917	11.288	345.9	1.914	11.641	345.8	1.912	11.994	345.8	1.909	12.348	345.7	1.906	80
85	10.423	351.1	1.934	10.769	351.0	1.931	11.115	350.9	1.928	11.461	350.8	1.925	11.808	350.7	1.923	12.156	350.6	1.920	85
90	10.267	356.0	1.948	10.606	355.9	1.945	10.947	355.8	1.942	11.287	355.8	1.939	11.629	355.7	1.937	11.971	355.6	1.934	90
95	10.115	361.0	1.961	10.449	360.9	1.958	10.784	360.8	1.956	11.119	360.8	1.953	11.455	360.7	1.950	11.791	360.6	1.948	95
100	9.968	366.1	1.975	10.297	366.0	1.972	10.626	365.9	1.969	10.956	365.8	1.966	11.287	365.7	1.964	11.617	365.6	1.961	100
105	9.825	371.1	1.988	10.149	371.1	1.986	10.474	371.0	1.983	10.798	370.9	1.980	11.124	370.8	1.977	11.449	370.7	1.975	105
110	9.687	376.3	2.002	10.006	376.2	1.999	10.326	376.1	1.996	10.645	376.0	1.993	10.966	375.9	1.991	11.286	375.9	1.988	110
115	9.553	381.4	2.015	9.867	381.3	2.012	10.182	381.3	2.010	10.497	381.2	2.007	10.812	381.1	2.004	11.128	381.0	2.002	115
120	9.423	386.6	2.028	9.732	386.5	2.026	10.042	386.5	2.023	10.353	386.4	2.020	10.663	386.3	2.018	10.975	386.2	2.015	120
125	9.296	391.8	2.042	9.601	391.8	2.039	9.907	391.7	2.036	10.213	391.6	2.033	10.519	391.5	2.031	10.826	391.5	2.028	125
130	9.173	397.1	2.055	9.474	397.0	2.052	9.775	397.0	2.049	10.077	396.9	2.047	10.379	396.8	2.044	10.681	396.7	2.041	130

KLEA 404A Superheated Vapour Properties (D = Density in kg/m³, H = Enthalpy in kJ/kg, S = Entropy in kJ/kg.K)

Temp (°C)	Absolute Pressure (Bara)																		Temp (°C)
	3.7			3.8			3.9			4.0			4.1			4.2			
	Dew Point -14.67C			Dew Point -13.92C			Dew Point -13.18C			Dew Point -12.46C			Dew Point -11.75C			Dew Point -11.05C			
	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	
-14	18.410	260.4	1.624																-14
-12	18.226	262.0	1.631	18.771	261.9	1.628	19.320	261.7	1.625	19.872	261.5	1.623							-12
-10	18.045	263.7	1.637	18.584	263.5	1.634	19.126	263.4	1.632	19.671	263.2	1.6	20.219	263.0	1.627	20.771	262.9	1.624	-10
-8	17.869	265.4	1.644	18.401	265.2	1.641	18.936	265.0	1.638	19.475	264.9	1.636	20.016	264.7	1.633	20.560	264.5	1.631	-8
-6	17.698	267.1	1.650	18.223	266.9	1.647	18.751	266.7	1.645	19.283	266.6	1.642	19.817	266.4	1.639	20.355	266.2	1.637	-6
-4	17.529	268.7	1.656	18.049	268.6	1.654	18.570	268.4	1.651	19.095	268.3	1.648	19.623	268.1	1.646	20.154	267.9	1.643	-4
-2	17.365	270.4	1.662	17.878	270.3	1.660	18.394	270.1	1.657	18.912	270.0	1.655	19.433	269.8	1.652	19.958	269.7	1.650	-2
0	17.204	272.1	1.669	17.711	272.0	1.666	18.221	271.8	1.663	18.733	271.7	1.661	19.248	271.5	1.658	19.766	271.4	1.656	0
2	17.047	273.9	1.675	17.548	273.7	1.672	18.052	273.6	1.670	18.558	273.4	1.667	19.067	273.2	1.665	19.579	273.1	1.662	2
4	16.893	275.6	1.681	17.388	275.4	1.679	17.886	275.3	1.676	18.387	275.1	1.673	18.890	275.0	1.671	19.395	274.8	1.668	4
6	16.742	277.3	1.687	17.232	277.1	1.685	17.725	277.0	1.682	18.219	276.9	1.680	18.717	276.7	1.677	19.216	276.6	1.675	6
8	16.594	279.0	1.694	17.079	278.9	1.691	17.566	278.7	1.688	18.055	278.6	1.686	18.547	278.4	1.683	19.041	278.3	1.681	8
10	16.449	280.8	1.700	16.929	280.6	1.697	17.411	280.5	1.694	17.895	280.3	1.692	18.381	280.2	1.690	18.869	280.0	1.687	10
12	16.307	282.5	1.706	16.782	282.4	1.703	17.259	282.2	1.701	17.737	282.1	1.698	18.218	281.9	1.696	18.701	281.8	1.693	12
14	16.168	284.2	1.712	16.638	284.1	1.709	17.110	284.0	1.707	17.583	283.8	1.704	18.059	283.7	1.702	18.537	283.5	1.699	14
16	16.032	286.0	1.718	16.497	285.9	1.715	16.963	285.7	1.713	17.432	285.6	1.710	17.903	285.4	1.708	18.376	285.3	1.706	16
18	15.898	287.8	1.724	16.358	287.6	1.721	16.820	287.5	1.719	17.284	287.4	1.716	17.750	287.2	1.714	18.218	287.1	1.712	18
20	15.766	289.5	1.730	16.222	289.4	1.728	16.680	289.3	1.725	17.139	289.1	1.723	17.600	289.0	1.720	18.063	288.9	1.718	20
25	15.449	294.0	1.745	15.893	293.8	1.743	16.340	293.7	1.740	16.788	293.6	1.738	17.237	293.5	1.735	17.688	293.3	1.733	25
30	15.145	298.5	1.760	15.579	298.3	1.758	16.015	298.2	1.755	16.452	298.1	1.753	16.891	298.0	1.750	17.332	297.8	1.748	30
35	14.854	303.0	1.775	15.279	302.9	1.772	15.705	302.7	1.770	16.132	302.6	1.767	16.561	302.5	1.765	16.991	302.4	1.763	35
40	14.576	307.5	1.790	14.991	307.4	1.787	15.408	307.3	1.785	15.825	307.2	1.782	16.244	307.1	1.780	16.665	307.0	1.777	40
45	14.309	312.2	1.804	14.715	312.0	1.802	15.123	311.9	1.799	15.532	311.8	1.797	15.941	311.7	1.794	16.353	311.6	1.792	45
50	14.052	316.8	1.819	14.450	316.7	1.816	14.849	316.6	1.814	15.250	316.5	1.811	15.651	316.4	1.809	16.053	316.2	1.807	50
55	13.806	321.5	1.833	14.196	321.4	1.831	14.587	321.3	1.828	14.979	321.2	1.826	15.372	321.1	1.823	15.766	321.0	1.821	55
60	13.568	326.2	1.847	13.951	326.1	1.845	14.334	326.0	1.842	14.719	325.9	1.840	15.104	325.8	1.838	15.490	325.7	1.835	60
65	13.340	331.0	1.862	13.715	330.9	1.859	14.091	330.8	1.857	14.468	330.7	1.854	14.846	330.6	1.852	15.224	330.5	1.850	65
70	13.120	335.8	1.876	13.488	335.7	1.873	13.857	335.6	1.871	14.227	335.5	1.868	14.597	335.4	1.866	14.968	335.3	1.864	70
75	12.907	340.7	1.890	13.269	340.6	1.887	13.631	340.5	1.885	13.994	340.4	1.883	14.358	340.3	1.880	14.722	340.2	1.878	75
80	12.702	345.6	1.904	13.057	345.5	1.901	13.413	345.4	1.899	13.770	345.3	1.897	14.127	345.2	1.894	14.484	345.1	1.892	80
85	12.504	350.5	1.918	12.853	350.4	1.915	13.203	350.3	1.913	13.553	350.2	1.910	13.904	350.1	1.908	14.255	350.0	1.906	85
90	12.313	355.5	1.931	12.656	355.4	1.929	13.000	355.3	1.927	13.344	355.2	1.924	13.689	355.1	1.922	14.034	355.0	1.920	90
95	12.128	360.5	1.945	12.465	360.4	1.943	12.803	360.3	1.940	13.142	360.2	1.938	13.480	360.2	1.936	13.820	360.1	1.933	95
100	11.949	365.6	1.959	12.281	365.5	1.956	12.613	365.4	1.954	12.946	365.3	1.952	13.279	365.2	1.949	13.613	365.1	1.947	100
105	11.775	370.6	1.972	12.102	370.6	1.970	12.429	370.5	1.968	12.756	370.4	1.965	13.084	370.3	1.963	13.413	370.2	1.961	105
110	11.607	375.8	1.986	11.929	375.7	1.983	12.251	375.6	1.981	12.573	375.5	1.979	12.896	375.5	1.976	13.219	375.4	1.974	110
115	11.444	380.9	1.999	11.761	380.9	1.997	12.078	380.8	1.994	12.395	380.7	1.992	12.713	380.6	1.990	13.031	380.6	1.988	115
120	11.286	386.2	2.013	11.598	386.1	2.010	11.910	386.0	2.008	12.223	385.9	2.005	12.536	385.8	2.003	12.849	385.8	2.001	120
125	11.132	391.4	2.026	11.440	391.3	2.023	11.747	391.2	2.021	12.055	391.2	2.019	12.364	391.1	2.016	12.672	391.0	2.014	125
130	10.983	396.7	2.039	11.286	396.6	2.037	11.589	396.5	2.034	11.893	396.5	2.032	12.197	396.4	2.030	12.501	396.3	2.027	130
135	10.838	402.0	2.052	11.137	401.9	2.050	11.436	401.8	2.047	11.735	401.8	2.045	12.034	401.7	2.043	12.334	401.6	2.041	135
140	10.698	407.3	2.065	10.992	407.3	2.063	11.287	407.2	2.060	11.581	407.1	2.058	11.877	407.1	2.056	12.172	407.0	2.054	140

KLEA 404A Superheated Vapour Properties (D = Density in kg/m³, H = Enthalpy in kJ/kg, S = Entropy in kJ/kg.K)

Temp (°C)	Absolute Pressure (Bara)																		Temp (°C)
	4.3			4.4			4.5			4.6			4.7			4.8			
	Dew Point -10.37C			Dew Point -9.70C			Dew Point -9.04C			Dew Point -8.39C			Dew Point -7.75C			Dew Point -7.12C			
	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	
-10	21.327	262.7	1.622																-10
-8	21.108	264.4	1.628	21.659	264.2	1.626	22.214	264.0	1.623	22.772	263.9	1.621							-8
-6	20.895	266.1	1.635	21.439	265.9	1.632	21.986	265.7	1.630	22.537	265.6	1.6	23.091	265.4	1.625	23.648	265.2	1.623	-6
-4	20.687	267.8	1.641	21.224	267.6	1.639	21.764	267.5	1.636	22.307	267.3	1.634	22.853	267.1	1.632	23.403	267.0	1.629	-4
-2	20.485	269.5	1.647	21.014	269.3	1.645	21.547	269.2	1.643	22.083	269.0	1.640	22.622	268.9	1.638	23.164	268.7	1.636	-2
0	20.286	271.2	1.654	20.810	271.1	1.651	21.336	270.9	1.649	21.865	270.7	1.647	22.397	270.6	1.644	22.931	270.4	1.642	0
2	20.093	272.9	1.660	20.610	272.8	1.657	21.129	272.6	1.655	21.651	272.5	1.653	22.176	272.3	1.651	22.704	272.2	1.648	2
4	19.903	274.7	1.666	20.414	274.5	1.664	20.927	274.4	1.661	21.443	274.2	1.659	21.961	274.1	1.657	22.483	273.9	1.655	4
6	19.718	276.4	1.672	20.223	276.3	1.670	20.730	276.1	1.668	21.239	275.9	1.665	21.751	275.8	1.663	22.266	275.6	1.661	6
8	19.537	278.1	1.679	20.036	278.0	1.676	20.537	277.8	1.674	21.040	277.7	1.672	21.546	277.5	1.670	22.054	277.4	1.667	8
10	19.360	279.9	1.685	19.853	279.7	1.682	20.348	279.6	1.680	20.846	279.5	1.678	21.345	279.3	1.676	21.848	279.2	1.674	10
12	19.186	281.6	1.691	19.674	281.5	1.689	20.163	281.4	1.686	20.655	281.2	1.684	21.149	281.1	1.682	21.645	280.9	1.680	12
14	19.017	283.4	1.697	19.499	283.3	1.695	19.983	283.1	1.693	20.469	283.0	1.690	20.957	282.8	1.688	21.448	282.7	1.686	14
16	18.850	285.2	1.703	19.327	285.0	1.701	19.806	284.9	1.699	20.286	284.7	1.696	20.769	284.6	1.694	21.254	284.5	1.692	16
18	18.687	286.9	1.709	19.159	286.8	1.707	19.632	286.7	1.705	20.108	286.5	1.703	20.585	286.4	1.700	21.065	286.2	1.698	18
20	18.527	288.7	1.715	18.994	288.6	1.713	19.462	288.4	1.711	19.933	288.3	1.709	20.405	288.2	1.707	20.879	288.0	1.704	20
25	18.141	293.2	1.731	18.596	293.1	1.728	19.052	292.9	1.726	19.510	292.8	1.724	19.970	292.7	1.722	20.432	292.5	1.720	25
30	17.774	297.7	1.746	18.217	297.6	1.743	18.662	297.4	1.741	19.108	297.3	1.739	19.557	297.2	1.737	20.006	297.1	1.735	30
35	17.422	302.2	1.760	17.855	302.1	1.758	18.289	302.0	1.756	18.725	301.9	1.754	19.162	301.8	1.752	19.601	301.6	1.750	35
40	17.086	306.8	1.775	17.509	306.7	1.773	17.933	306.6	1.771	18.359	306.5	1.769	18.786	306.4	1.767	19.214	306.2	1.764	40
45	16.765	311.5	1.790	17.178	311.4	1.788	17.593	311.2	1.785	18.009	311.1	1.783	18.426	311.0	1.781	18.844	310.9	1.779	45
50	16.457	316.1	1.804	16.861	316.0	1.802	17.267	315.9	1.800	17.673	315.8	1.798	18.081	315.7	1.796	18.490	315.6	1.794	50
55	16.161	320.8	1.819	16.557	320.7	1.817	16.954	320.6	1.814	17.352	320.5	1.812	17.751	320.4	1.810	18.151	320.3	1.808	55
60	15.877	325.6	1.833	16.265	325.5	1.831	16.654	325.4	1.829	17.043	325.3	1.827	17.434	325.2	1.825	17.826	325.1	1.823	60
65	15.603	330.4	1.847	15.984	330.3	1.845	16.365	330.2	1.843	16.747	330.1	1.841	17.129	330.0	1.839	17.513	329.9	1.837	65
70	15.340	335.2	1.862	15.713	335.1	1.859	16.087	335.0	1.857	16.461	334.9	1.855	16.837	334.8	1.853	17.213	334.7	1.851	70
75	15.087	340.1	1.876	15.453	340.0	1.874	15.819	339.9	1.871	16.187	339.8	1.869	16.555	339.7	1.867	16.923	339.6	1.865	75
80	14.843	345.0	1.890	15.202	344.9	1.888	15.562	344.8	1.885	15.922	344.7	1.883	16.283	344.6	1.881	16.645	344.5	1.879	80
85	14.607	350.0	1.904	14.960	349.9	1.902	15.313	349.8	1.899	15.667	349.7	1.897	16.021	349.6	1.895	16.377	349.5	1.893	85
90	14.380	354.9	1.918	14.726	354.9	1.915	15.073	354.8	1.913	15.421	354.7	1.911	15.769	354.6	1.909	16.118	354.5	1.907	90
95	14.160	360.0	1.931	14.500	359.9	1.929	14.841	359.8	1.927	15.183	359.7	1.925	15.525	359.6	1.923	15.868	359.5	1.921	95
100	13.947	365.0	1.945	14.282	365.0	1.943	14.617	364.9	1.941	14.953	364.8	1.939	15.290	364.7	1.937	15.626	364.6	1.935	100
105	13.742	370.2	1.959	14.071	370.1	1.956	14.401	370.0	1.954	14.731	369.9	1.952	15.062	369.8	1.950	15.393	369.7	1.948	105
110	13.543	375.3	1.972	13.867	375.2	1.970	14.191	375.1	1.968	14.516	375.1	1.966	14.841	375.0	1.964	15.167	374.9	1.962	110
115	13.350	380.5	1.986	13.669	380.4	1.983	13.988	380.3	1.981	14.308	380.2	1.979	14.628	380.2	1.977	14.948	380.1	1.975	115
120	13.163	385.7	1.999	13.477	385.6	1.997	13.791	385.5	1.995	14.106	385.5	1.993	14.421	385.4	1.991	14.737	385.3	1.989	120
125	12.981	390.9	2.012	13.290	390.9	2.010	13.600	390.8	2.008	13.910	390.7	2.006	14.220	390.6	2.004	14.531	390.6	2.002	125
130	12.805	396.2	2.025	13.110	396.2	2.023	13.415	396.1	2.021	13.720	396.0	2.019	14.026	395.9	2.017	14.332	395.9	2.015	130
135	12.634	401.6	2.038	12.934	401.5	2.036	13.235	401.4	2.034	13.536	401.3	2.032	13.837	401.3	2.030	14.139	401.2	2.028	135
140	12.468	406.9	2.052	12.764	406.8	2.049	13.060	406.8	2.047	13.357	406.7	2.045	13.654	406.6	2.043	13.951	406.6	2.042	140
145	12.306	412.3	2.065	12.598	412.2	2.062	12.890	412.2	2.060	13.183	412.1	2.058	13.476	412.0	2.056	13.768	412.0	2.055	145

KLEA 404A Superheated Vapour Properties (D = Density in kg/m³, H = Enthalpy in kJ/kg, S = Entropy in kJ/kg.K)

Temp (°C)	Absolute Pressure (Bara)																		Temp (°C)
	4.9			5.0			5.1			5.2			5.3			5.4			
	Dew Point -6.50C			Dew Point -5.89C			Dew Point -5.30C			Dew Point -4.70C			Dew Point -4.12C			Dew Point -3.55C			
	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	
-6	24.209	265.1	1.621																-6
-4	23.956	266.8	1.627	24.512	266.6	1.625	25.072	266.5	1.623	25.635	266.3	1.621	26.201	266.1	1.619				-4
-2	23.709	268.5	1.634	24.258	268.4	1.631	24.810	268.2	1.629	25.365	268.0	1.6	25.923	267.9	1.625	26.485	267.7	1.623	-2
0	23.469	270.3	1.640	24.010	270.1	1.638	24.554	269.9	1.636	25.102	269.8	1.634	25.652	269.6	1.632	26.206	269.4	1.630	0
2	23.235	272.0	1.646	23.769	271.8	1.644	24.305	271.7	1.642	24.845	271.5	1.640	25.388	271.4	1.638	25.934	271.2	1.636	2
4	23.006	273.7	1.653	23.533	273.6	1.651	24.063	273.4	1.648	24.595	273.3	1.646	25.131	273.1	1.644	25.669	272.9	1.642	4
6	22.783	275.5	1.659	23.303	275.3	1.657	23.826	275.2	1.655	24.351	275.0	1.653	24.880	274.9	1.651	25.411	274.7	1.649	6
8	22.565	277.2	1.665	23.079	277.1	1.663	23.595	276.9	1.661	24.113	276.8	1.659	24.635	276.6	1.657	25.159	276.5	1.655	8
10	22.352	279.0	1.671	22.859	278.9	1.669	23.369	278.7	1.667	23.881	278.6	1.665	24.396	278.4	1.663	24.913	278.3	1.661	10
12	22.144	280.8	1.678	22.645	280.6	1.676	23.148	280.5	1.674	23.654	280.3	1.672	24.162	280.2	1.670	24.673	280.0	1.668	12
14	21.940	282.5	1.684	22.435	282.4	1.682	22.933	282.3	1.680	23.432	282.1	1.678	23.934	282.0	1.676	24.438	281.8	1.674	14
16	21.741	284.3	1.690	22.230	284.2	1.688	22.722	284.0	1.686	23.215	283.9	1.684	23.711	283.7	1.682	24.209	283.6	1.680	16
18	21.546	286.1	1.696	22.030	286.0	1.694	22.515	285.8	1.692	23.003	285.7	1.690	23.493	285.5	1.688	23.985	285.4	1.686	18
20	21.355	287.9	1.702	21.833	287.8	1.700	22.314	287.6	1.698	22.796	287.5	1.696	23.280	287.3	1.694	23.766	287.2	1.692	20
25	20.895	292.4	1.718	21.360	292.3	1.715	21.827	292.1	1.713	22.296	292.0	1.711	22.767	291.9	1.710	23.239	291.7	1.708	25
30	20.458	296.9	1.733	20.911	296.8	1.731	21.365	296.7	1.729	21.821	296.5	1.727	22.279	296.4	1.725	22.739	296.3	1.723	30
35	20.041	301.5	1.748	20.483	301.4	1.746	20.926	301.3	1.744	21.370	301.1	1.742	21.816	301.0	1.740	22.264	300.9	1.738	35
40	19.643	306.1	1.762	20.074	306.0	1.760	20.506	305.9	1.758	20.940	305.7	1.757	21.375	305.6	1.755	21.811	305.5	1.753	40
45	19.264	310.8	1.777	19.684	310.6	1.775	20.106	310.5	1.773	20.530	310.4	1.771	20.954	310.3	1.769	21.380	310.2	1.768	45
50	18.900	315.5	1.792	19.311	315.3	1.790	19.724	315.2	1.788	20.137	315.1	1.786	20.552	315.0	1.784	20.968	314.9	1.782	50
55	18.552	320.2	1.806	18.954	320.1	1.804	19.357	320.0	1.802	19.762	319.8	1.800	20.167	319.7	1.799	20.573	319.6	1.797	55
60	18.218	324.9	1.821	18.612	324.8	1.819	19.006	324.7	1.817	19.402	324.6	1.815	19.798	324.5	1.813	20.196	324.4	1.811	60
65	17.898	329.7	1.835	18.283	329.6	1.833	18.669	329.5	1.831	19.056	329.4	1.829	19.444	329.3	1.827	19.833	329.2	1.826	65
70	17.589	334.6	1.849	17.967	334.5	1.847	18.345	334.4	1.845	18.725	334.3	1.844	19.105	334.2	1.842	19.486	334.1	1.840	70
75	17.293	339.5	1.863	17.663	339.4	1.861	18.034	339.3	1.860	18.406	339.2	1.858	18.778	339.1	1.856	19.151	339.0	1.854	75
80	17.007	344.4	1.877	17.371	344.3	1.876	17.734	344.2	1.874	18.099	344.1	1.872	18.464	344.0	1.870	18.830	343.9	1.868	80
85	16.732	349.4	1.891	17.089	349.3	1.890	17.446	349.2	1.888	17.803	349.1	1.886	18.162	349.0	1.884	18.521	348.9	1.882	85
90	16.467	354.4	1.905	16.817	354.3	1.903	17.168	354.2	1.902	17.519	354.1	1.900	17.870	354.0	1.898	18.223	353.9	1.896	90
95	16.211	359.5	1.919	16.555	359.4	1.917	16.899	359.3	1.915	17.244	359.2	1.914	17.589	359.1	1.912	17.935	359.0	1.910	95
100	15.964	364.5	1.933	16.302	364.4	1.931	16.640	364.4	1.929	16.979	364.3	1.927	17.318	364.2	1.925	17.658	364.1	1.924	100
105	15.725	369.7	1.946	16.057	369.6	1.945	16.389	369.5	1.943	16.722	369.4	1.941	17.056	369.3	1.939	17.390	369.2	1.937	105
110	15.493	374.8	1.960	15.820	374.7	1.958	16.147	374.7	1.956	16.475	374.6	1.954	16.803	374.5	1.953	17.131	374.4	1.951	110
115	15.269	380.0	1.973	15.591	379.9	1.972	15.913	379.8	1.970	16.235	379.8	1.968	16.557	379.7	1.966	16.880	379.6	1.964	115
120	15.053	385.2	1.987	15.369	385.2	1.985	15.686	385.1	1.983	16.003	385.0	1.981	16.320	384.9	1.980	16.638	384.9	1.978	120
125	14.842	390.5	2.000	15.154	390.4	1.998	15.466	390.4	1.996	15.778	390.3	1.995	16.090	390.2	1.993	16.403	390.1	1.991	125
130	14.638	395.8	2.013	14.945	395.7	2.012	15.252	395.7	2.010	15.560	395.6	2.008	15.867	395.5	2.006	16.175	395.4	2.004	130
135	14.441	401.1	2.027	14.743	401.1	2.025	15.045	401.0	2.023	15.348	400.9	2.021	15.651	400.9	2.019	15.954	400.8	2.018	135
140	14.248	406.5	2.040	14.546	406.4	2.038	14.844	406.4	2.036	15.142	406.3	2.034	15.441	406.2	2.032	15.740	406.2	2.031	140
145	14.062	411.9	2.053	14.355	411.8	2.051	14.649	411.8	2.049	14.943	411.7	2.047	15.237	411.6	2.045	15.532	411.6	2.044	145
150	13.880	417.3	2.066	14.170	417.3	2.064	14.459	417.2	2.062	14.749	417.2	2.060	15.039	417.1	2.058	15.330	417.0	2.057	150

KLEA 404A Superheated Vapour Properties (D = Density in kg/m³, H = Enthalpy in kJ/kg, S = Entropy in kJ/kg.K)																			
Temp (°C)	Absolute Pressure (Bara)																		Temp (°C)
	5.5			5.6			5.7			5.8			5.9			6.0			
	Dew Point -2.98C			Dew Point -2.42C			Dew Point -1.87C			Dew Point -1.33C			Dew Point -0.79C			Dew Point -0.26C			
	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	
-2	27.050	267.5	1.621	27.619	267.3	1.619													-2
0	26.763	269.3	1.628	27.323	269.1	1.626	27.887	268.9	1.624	28.454	268.8	1.622	29.025	268.6	1.620	29.600	268.4	1.618	0
2	26.483	271.0	1.634	27.035	270.9	1.632	27.591	270.7	1.630	28.149	270.5	1.6	28.712	270.4	1.626	29.277	270.2	1.624	2
4	26.210	272.8	1.640	26.755	272.6	1.638	27.302	272.5	1.637	27.853	272.3	1.635	28.407	272.1	1.633	28.964	272.0	1.631	4
6	25.944	274.6	1.647	26.481	274.4	1.645	27.021	274.2	1.643	27.564	274.1	1.641	28.110	273.9	1.639	28.658	273.7	1.637	6
8	25.685	276.3	1.653	26.215	276.2	1.651	26.747	276.0	1.649	27.282	275.9	1.647	27.820	275.7	1.646	28.361	275.5	1.644	8
10	25.433	278.1	1.659	25.955	277.9	1.657	26.480	277.8	1.656	27.008	277.6	1.654	27.539	277.5	1.652	28.072	277.3	1.650	10
12	25.186	279.9	1.666	25.701	279.7	1.664	26.220	279.6	1.662	26.740	279.4	1.660	27.264	279.3	1.658	27.790	279.1	1.656	12
14	24.945	281.7	1.672	25.454	281.5	1.670	25.965	281.4	1.668	26.479	281.2	1.666	26.996	281.1	1.664	27.515	280.9	1.663	14
16	24.709	283.5	1.678	25.212	283.3	1.676	25.717	283.2	1.674	26.224	283.0	1.672	26.734	282.9	1.671	27.246	282.7	1.669	16
18	24.479	285.3	1.684	24.976	285.1	1.682	25.475	285.0	1.681	25.976	284.8	1.679	26.479	284.7	1.677	26.984	284.5	1.675	18
20	24.254	287.1	1.690	24.745	286.9	1.689	25.238	286.8	1.687	25.732	286.6	1.685	26.229	286.5	1.683	26.729	286.3	1.681	20
25	23.713	291.6	1.706	24.190	291.4	1.704	24.668	291.3	1.702	25.148	291.2	1.700	25.148	291.2	1.700	26.114	290.9	1.697	25
30	23.200	296.1	1.721	23.663	296.0	1.719	24.128	295.9	1.717	24.595	295.7	1.715	24.595	295.7	1.715	25.533	295.5	1.712	30
35	22.713	300.7	1.736	23.164	300.6	1.734	23.616	300.5	1.732	24.070	300.4	1.731	24.070	300.4	1.731	24.982	300.1	1.727	35
40	22.249	305.4	1.751	22.688	305.3	1.749	23.129	305.1	1.747	23.571	305.0	1.746	23.571	305.0	1.746	24.459	304.8	1.742	40
45	21.807	310.1	1.766	22.235	309.9	1.764	22.665	309.8	1.762	23.096	309.7	1.760	23.096	309.7	1.760	23.962	309.5	1.757	45
50	21.385	314.8	1.780	21.803	314.6	1.779	22.222	314.5	1.777	22.642	314.4	1.775	22.642	314.4	1.775	23.487	314.2	1.772	50
55	20.981	319.5	1.795	21.389	319.4	1.793	21.799	319.3	1.791	22.209	319.2	1.790	22.209	319.2	1.790	23.034	318.9	1.786	55
60	20.594	324.3	1.809	20.993	324.2	1.808	21.394	324.1	1.806	21.795	324.0	1.804	21.795	324.0	1.804	22.601	323.7	1.801	60
65	20.223	329.1	1.824	20.614	329.0	1.822	21.006	328.9	1.820	21.398	328.8	1.819	21.398	328.8	1.819	22.186	328.6	1.815	65
70	19.867	334.0	1.838	20.250	333.9	1.836	20.633	333.8	1.835	21.017	333.7	1.833	21.017	333.7	1.833	21.789	333.5	1.830	70
75	19.525	338.9	1.852	19.900	338.8	1.851	20.276	338.7	1.849	20.652	338.6	1.847	20.652	338.6	1.847	21.407	338.4	1.844	75
80	19.197	343.8	1.866	19.564	343.7	1.865	19.932	343.6	1.863	20.301	343.5	1.861	20.301	343.5	1.861	21.041	343.4	1.858	80
85	18.880	348.8	1.880	19.241	348.7	1.879	19.602	348.6	1.877	19.963	348.5	1.875	19.963	348.5	1.875	20.688	348.4	1.872	85
90	18.576	353.9	1.894	18.929	353.8	1.893	19.283	353.7	1.891	19.638	353.6	1.889	19.638	353.6	1.889	20.349	353.4	1.886	90
95	18.282	358.9	1.908	18.629	358.8	1.907	18.977	358.7	1.905	19.325	358.7	1.903	19.325	358.7	1.903	20.023	358.5	1.900	95
100	17.998	364.0	1.922	18.339	363.9	1.920	18.681	363.8	1.919	19.023	363.8	1.917	19.023	363.8	1.917	19.708	363.6	1.914	100
105	17.725	369.2	1.936	18.060	369.1	1.934	18.395	369.0	1.932	18.731	368.9	1.931	18.731	368.9	1.931	19.404	368.7	1.927	105
110	17.460	374.3	1.949	17.789	374.2	1.948	18.119	374.2	1.946	18.449	374.1	1.944	18.449	374.1	1.944	19.111	373.9	1.941	110
115	17.204	379.5	1.963	17.528	379.5	1.961	17.852	379.4	1.959	18.177	379.3	1.958	18.177	379.3	1.958	18.827	379.1	1.955	115
120	16.956	384.8	1.976	17.275	384.7	1.974	17.594	384.6	1.973	17.913	384.5	1.971	17.913	384.5	1.971	18.553	384.4	1.968	120
125	16.716	390.1	1.989	17.030	390.0	1.988	17.344	389.9	1.986	17.658	389.8	1.985	17.658	389.8	1.985	18.288	389.7	1.981	125
130	16.484	395.4	2.003	16.792	395.3	2.001	17.101	395.2	1.999	17.411	395.1	1.998	17.411	395.1	1.998	18.030	395.0	1.995	130
135	16.258	400.7	2.016	16.562	400.6	2.014	16.866	400.6	2.013	17.171	400.5	2.011	17.171	400.5	2.011	17.781	400.4	2.008	135
140	16.039	406.1	2.029	16.339	406.0	2.027	16.638	406.0	2.026	16.938	405.9	2.024	16.938	405.9	2.024	17.539	405.7	2.021	140
145	15.827	411.5	2.042	16.122	411.4	2.040	16.417	411.4	2.039	16.713	411.3	2.037	16.713	411.3	2.037	17.305	411.2	2.034	145
150	15.620	417.0	2.055	15.911	416.9	2.053	16.202	416.8	2.052	16.494	416.8	2.050	16.494	416.8	2.050	17.077	416.6	2.047	150
155	15.420	422.4	2.068	15.706	422.4	2.066	15.993	422.3	2.065	16.281	422.2	2.063	16.281	422.2	2.063	16.856	422.1	2.060	155
160	15.224	428.0	2.081	15.507	427.9	2.079	15.790	427.8	2.077	16.074	427.8	2.076	16.074	427.8	2.076	16.641	427.6	2.073	160

KLEA 404A Superheated Vapour Properties (D = Density in kg/m³, H = Enthalpy in kJ/kg, S = Entropy in kJ/kg.K)																			
Temp (°C)	Absolute Pressure (Bara)																		Temp (°C)
	6.5			7.0			7.5			8.0			8.5			9.0			
	Dew Point 2.29C			Dew Point 4.69C			Dew Point 6.97C			Dew Point 9.14C			Dew Point 11.21C			Dew Point 13.18C			
	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	
5	31.624	272.0	1.625	34.526	271.2	1.617													5
10	30.783	276.5	1.641	33.570	275.7	1.633	36.440	274.9	1.625	39.400	274.0	1.617							10
15	29.996	281.1	1.657	32.680	280.3	1.649	35.437	279.5	1.641	38.271	278.7	1.6	41.190	277.8	1.626	44.200	277.0	1.619	15
20	29.259	285.6	1.673	31.849	284.9	1.665	34.503	284.1	1.657	37.226	283.3	1.649	40.021	282.5	1.642	42.895	281.7	1.635	20
25	28.565	290.2	1.688	31.070	289.5	1.680	33.631	288.7	1.673	36.252	288.0	1.665	38.938	287.2	1.658	41.691	286.5	1.651	25
30	27.911	294.8	1.704	30.337	294.1	1.696	32.814	293.4	1.688	35.343	292.7	1.681	37.929	292.0	1.674	40.575	291.2	1.667	30
35	27.293	299.5	1.719	29.646	298.8	1.711	32.044	298.1	1.703	34.490	297.4	1.696	36.986	296.7	1.690	39.534	296.0	1.683	35
40	26.707	304.1	1.734	28.993	303.5	1.726	31.319	302.8	1.719	33.688	302.2	1.712	36.101	301.5	1.705	38.561	300.8	1.698	40
45	26.150	308.8	1.749	28.373	308.2	1.741	30.633	307.6	1.734	32.931	307.0	1.727	35.269	306.3	1.720	37.648	305.7	1.714	45
50	25.620	313.6	1.764	27.785	313.0	1.756	29.983	312.4	1.749	32.215	311.8	1.742	34.483	311.2	1.735	36.788	310.5	1.729	50
55	25.115	318.4	1.778	27.225	317.8	1.771	29.366	317.2	1.763	31.537	316.6	1.757	33.740	316.0	1.750	35.977	315.4	1.744	55
60	24.633	323.2	1.793	26.692	322.6	1.785	28.778	322.1	1.778	30.892	321.5	1.771	33.035	320.9	1.765	35.208	320.3	1.759	60
65	24.172	328.0	1.807	26.183	327.5	1.800	28.218	327.0	1.793	30.278	326.4	1.786	32.365	325.8	1.780	34.480	325.3	1.774	65
70	23.731	332.9	1.822	25.696	332.4	1.814	27.683	331.9	1.807	29.693	331.3	1.801	31.728	330.8	1.794	33.787	330.3	1.788	70
75	23.308	337.9	1.836	25.230	337.4	1.829	27.172	336.9	1.822	29.135	336.3	1.815	31.120	335.8	1.809	33.128	335.3	1.803	75
80	22.903	342.9	1.850	24.783	342.4	1.843	26.683	341.9	1.836	28.601	341.4	1.829	30.540	340.9	1.823	32.500	340.4	1.817	80
85	22.513	347.9	1.864	24.355	347.4	1.857	26.214	346.9	1.850	28.091	346.4	1.844	29.986	345.9	1.837	31.900	345.5	1.832	85
90	22.139	352.9	1.878	23.943	352.5	1.871	25.764	352.0	1.864	27.602	351.5	1.858	29.456	351.1	1.852	31.327	350.6	1.846	90
95	21.778	358.0	1.892	23.548	357.6	1.885	25.332	357.1	1.878	27.132	356.7	1.872	28.947	356.2	1.866	30.778	355.7	1.860	95
100	21.431	363.2	1.906	23.167	362.7	1.899	24.917	362.3	1.892	26.681	361.8	1.886	28.459	361.4	1.880	30.251	360.9	1.874	100
105	21.096	368.3	1.920	22.801	367.9	1.913	24.518	367.5	1.906	26.247	367.0	1.900	27.990	366.6	1.894	29.746	366.2	1.888	105
110	20.773	373.5	1.933	22.447	373.1	1.926	24.133	372.7	1.920	25.830	372.3	1.913	27.539	371.8	1.907	29.261	371.4	1.902	110
115	20.461	378.7	1.947	22.106	378.3	1.940	23.761	377.9	1.933	25.428	377.5	1.927	27.105	377.1	1.921	28.793	376.7	1.915	115
120	20.160	384.0	1.960	21.776	383.6	1.953	23.403	383.2	1.947	25.039	382.8	1.941	26.686	382.4	1.935	28.344	382.0	1.929	120
125	19.868	389.3	1.974	21.458	388.9	1.967	23.057	388.5	1.960	24.665	388.2	1.954	26.283	387.8	1.948	27.910	387.4	1.942	125
130	19.586	394.6	1.987	21.149	394.3	1.980	22.722	393.9	1.974	24.303	393.5	1.967	25.893	393.2	1.962	27.492	392.8	1.956	130
135	19.312	400.0	2.000	20.851	399.6	1.993	22.398	399.3	1.987	23.953	398.9	1.981	25.516	398.6	1.975	27.087	398.2	1.969	135
140	19.047	405.4	2.014	20.562	405.0	2.007	22.084	404.7	2.000	23.614	404.3	1.994	25.152	404.0	1.988	26.697	403.6	1.983	140
145	18.790	410.8	2.027	20.282	410.5	2.020	21.781	410.2	2.013	23.286	409.8	2.007	24.799	409.5	2.001	26.319	409.1	1.996	145
150	18.540	416.3	2.040	20.010	416.0	2.033	21.486	415.6	2.026	22.969	415.3	2.020	24.458	415.0	2.014	25.953	414.6	2.009	150
155	18.298	421.8	2.053	19.746	421.5	2.046	21.200	421.2	2.039	22.660	420.8	2.033	24.127	420.5	2.027	25.599	420.2	2.022	155
160	18.063	427.3	2.065	19.490	427.0	2.058	20.923	426.7	2.052	22.362	426.4	2.046	23.806	426.1	2.040	25.256	425.8	2.035	160
165	17.834	432.9	2.078	19.241	432.6	2.071	20.654	432.3	2.065	22.071	432.0	2.059	23.494	431.7	2.053	24.922	431.4	2.048	165
170	17.611	438.5	2.091	18.999	438.2	2.084	20.392	437.9	2.078	21.789	437.6	2.072	23.192	437.3	2.066	24.599	437.0	2.060	170
175	17.395	444.1	2.103	18.764	443.8	2.097	20.137	443.5	2.090	21.515	443.2	2.084	22.898	442.9	2.079	24.285	442.7	2.073	175
180	17.184	449.8	2.116	18.535	449.5	2.109	19.890	449.2	2.103	21.249	448.9	2.097	22.612	448.6	2.091	23.980	448.4	2.086	180

KLEA 404A Superheated Vapour Properties (D = Density in kg/m³, H = Enthalpy in kJ/kg, S = Entropy in kJ/kg.K)																			
Temp (°C)	Absolute Pressure (Bara)																		Temp (°C)
	9.5			10.0			10.5			11.0			11.5			12.0			
	Dew Point 15.08C			Dew Point 16.90C			Dew Point 18.65C			Dew Point 20.34C			Dew Point 21.97C			Dew Point 23.56C			
	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	
20	45.855	280.9	1.629	48.907	280.0	1.622	52.059	279.1	1.616										20
25	44.518	285.7	1.645	47.424	284.8	1.638	50.415	284.0	1.632	53.498	283.1	1.626	56.682	282.3	1.620	59.975	281.3	1.614	25
30	43.284	290.5	1.661	46.062	289.7	1.655	48.912	288.9	1.649	51.840	288.1	1.6	54.853	287.3	1.637	57.957	286.4	1.631	30
35	42.139	295.3	1.677	44.802	294.6	1.671	47.528	293.8	1.665	50.322	293.0	1.659	53.186	292.2	1.653	56.128	291.4	1.647	35
40	41.071	300.1	1.692	43.632	299.4	1.686	46.248	298.7	1.680	48.921	298.0	1.675	51.657	297.2	1.669	54.457	296.5	1.664	40
45	40.071	305.0	1.708	42.540	304.3	1.702	45.056	303.6	1.696	47.624	302.9	1.690	50.244	302.2	1.685	52.921	301.5	1.680	45
50	39.132	309.9	1.723	41.517	309.2	1.717	43.944	308.6	1.711	46.415	307.9	1.706	48.933	307.2	1.701	51.500	306.5	1.695	50
55	38.248	314.8	1.738	40.556	314.2	1.732	42.901	313.5	1.727	45.285	312.9	1.721	47.711	312.2	1.716	50.179	311.6	1.711	55
60	37.413	319.7	1.753	39.650	319.1	1.747	41.920	318.5	1.742	44.225	317.9	1.736	46.567	317.3	1.731	48.946	316.7	1.726	60
65	36.622	324.7	1.768	38.793	324.1	1.762	40.995	323.5	1.757	43.228	322.9	1.751	45.492	322.3	1.746	47.791	321.7	1.741	65
70	35.872	329.7	1.782	37.982	329.1	1.777	40.120	328.6	1.771	42.286	328.0	1.766	44.480	327.4	1.761	46.705	326.8	1.756	70
75	35.159	334.7	1.797	37.213	334.2	1.791	39.292	333.7	1.786	41.395	333.1	1.781	43.525	332.6	1.776	45.681	332.0	1.771	75
80	34.480	339.8	1.811	36.482	339.3	1.806	38.505	338.8	1.801	40.552	338.3	1.796	42.621	337.7	1.791	44.715	337.2	1.786	80
85	33.833	345.0	1.826	35.785	344.5	1.820	37.758	343.9	1.815	39.751	343.4	1.810	41.765	342.9	1.805	43.800	342.4	1.801	85
90	33.215	350.1	1.840	35.121	349.6	1.835	37.046	349.1	1.830	38.989	348.6	1.825	40.951	348.1	1.820	42.933	347.6	1.815	90
95	32.624	355.3	1.854	34.487	354.8	1.849	36.366	354.3	1.844	38.263	353.9	1.839	40.176	353.4	1.834	42.108	352.9	1.830	95
100	32.058	360.5	1.868	33.880	360.0	1.863	35.717	359.6	1.858	37.569	359.1	1.853	39.438	358.7	1.848	41.322	358.2	1.844	100
105	31.515	365.7	1.882	33.299	365.3	1.877	35.096	364.9	1.872	36.907	364.4	1.867	38.732	364.0	1.863	40.572	363.5	1.858	105
110	30.994	371.0	1.896	32.741	370.6	1.891	34.500	370.2	1.886	36.272	369.7	1.881	38.057	369.3	1.877	39.856	368.9	1.872	110
115	30.493	376.3	1.910	32.205	375.9	1.905	33.928	375.5	1.900	35.663	375.1	1.895	37.411	374.6	1.890	39.170	374.2	1.886	115
120	30.011	381.6	1.924	31.690	381.2	1.918	33.379	380.8	1.914	35.079	380.4	1.909	36.790	380.0	1.904	38.513	379.6	1.900	120
125	29.547	387.0	1.937	31.194	386.6	1.932	32.851	386.2	1.927	34.517	385.8	1.922	36.195	385.4	1.918	37.882	385.1	1.914	125
130	29.099	392.4	1.951	30.716	392.0	1.946	32.342	391.6	1.941	33.977	391.3	1.936	35.622	390.9	1.931	37.276	390.5	1.927	130
135	28.667	397.8	1.964	30.255	397.5	1.959	31.852	397.1	1.954	33.457	396.7	1.949	35.070	396.4	1.945	36.693	396.0	1.941	135
140	28.250	403.3	1.977	29.810	402.9	1.972	31.378	402.6	1.967	32.955	402.2	1.963	34.539	401.9	1.958	36.131	401.5	1.954	140
145	27.846	408.8	1.991	29.380	408.4	1.985	30.922	408.1	1.981	32.470	407.7	1.976	34.026	407.4	1.972	35.590	407.0	1.967	145
150	27.456	414.3	2.004	28.964	414.0	1.999	30.480	413.6	1.994	32.002	413.3	1.989	33.532	413.0	1.985	35.068	412.6	1.981	150
155	27.077	419.9	2.017	28.562	419.5	2.012	30.053	419.2	2.007	31.550	418.9	2.002	33.053	418.5	1.998	34.563	418.2	1.994	155
160	26.711	425.4	2.030	28.172	425.1	2.025	29.640	424.8	2.020	31.112	424.5	2.015	32.591	424.2	2.011	34.076	423.8	2.007	160
165	26.356	431.0	2.043	27.795	430.7	2.038	29.239	430.4	2.033	30.689	430.1	2.028	32.144	429.8	2.024	33.604	429.5	2.020	165
170	26.011	436.7	2.055	27.429	436.4	2.050	28.851	436.1	2.046	30.278	435.8	2.041	31.710	435.5	2.037	33.147	435.2	2.033	170
175	25.677	442.4	2.068	27.073	442.1	2.063	28.474	441.8	2.058	29.880	441.5	2.054	31.290	441.2	2.050	32.705	440.9	2.046	175
180	25.352	448.1	2.081	26.728	447.8	2.076	28.109	447.5	2.071	29.494	447.2	2.067	30.883	446.9	2.062	32.276	446.6	2.058	180

KLEA 404A Superheated Vapour Properties (D = Density in kg/m³, H = Enthalpy in kJ/kg, S = Entropy in kJ/kg.K)																			
Temp (°C)	Absolute Pressure (Bara)																		Temp (°C)
	12.5			13.0			13.5			14.0			14.5			15.0			
	Dew Point 25.09C			Dew Point 26.57C			Dew Point 28.01C			Dew Point 29.42C			Dew Point 30.78C			Dew Point 32.11C			
	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	
30	61.159	285.5	1.625	64.469	284.6	1.620	67.898	283.7	1.614	71.457	282.7	1.609							30
35	59.152	290.6	1.642	62.265	289.8	1.637	65.474	288.9	1.631	68.787	288.0	1.626	72.216	287.1	1.621	75.770	286.1	1.615	35
40	57.328	295.7	1.658	60.273	294.9	1.653	63.297	294.1	1.648	66.408	293.2	1.6	69.611	292.4	1.638	72.915	291.5	1.633	40
45	55.658	300.8	1.674	58.457	300.0	1.669	61.324	299.2	1.664	64.263	298.5	1.659	67.278	297.6	1.654	70.375	296.8	1.649	45
50	54.118	305.8	1.690	56.791	305.1	1.685	59.521	304.4	1.680	62.312	303.6	1.675	65.167	302.9	1.671	68.090	302.1	1.666	50
55	52.692	310.9	1.706	55.253	310.2	1.701	57.862	309.5	1.696	60.523	308.8	1.691	63.239	308.1	1.687	66.013	307.4	1.682	55
60	51.365	316.0	1.721	53.824	315.4	1.716	56.327	314.7	1.712	58.874	314.0	1.707	61.468	313.3	1.703	64.112	312.7	1.698	60
65	50.124	321.1	1.736	52.493	320.5	1.732	54.900	319.9	1.727	57.345	319.2	1.723	59.831	318.6	1.718	62.360	317.9	1.714	65
70	48.960	326.3	1.752	51.247	325.7	1.747	53.567	325.1	1.742	55.921	324.4	1.738	58.311	323.8	1.734	60.737	323.2	1.729	70
75	47.865	331.4	1.766	50.077	330.9	1.762	52.318	330.3	1.757	54.590	329.7	1.753	56.893	329.1	1.749	59.228	328.5	1.745	75
80	46.833	336.6	1.781	48.977	336.1	1.777	51.146	335.5	1.772	53.342	335.0	1.768	55.566	334.4	1.764	57.818	333.8	1.760	80
85	45.858	341.9	1.796	47.938	341.4	1.792	50.042	340.8	1.787	52.169	340.3	1.783	54.321	339.7	1.779	56.499	339.2	1.775	85
90	44.934	347.1	1.811	46.956	346.6	1.806	48.999	346.1	1.802	51.063	345.6	1.798	53.149	345.1	1.794	55.258	344.6	1.790	90
95	44.057	352.4	1.825	46.025	351.9	1.821	48.011	351.4	1.817	50.017	350.9	1.812	52.043	350.4	1.808	54.088	349.9	1.804	95
100	43.223	357.7	1.839	45.140	357.3	1.835	47.074	356.8	1.831	49.026	356.3	1.827	50.995	355.8	1.823	52.983	355.3	1.819	100
105	42.427	363.1	1.854	44.297	362.6	1.849	46.183	362.1	1.845	48.084	361.7	1.841	50.001	361.2	1.837	51.935	360.8	1.833	105
110	41.668	368.4	1.868	43.494	368.0	1.863	45.334	367.5	1.859	47.188	367.1	1.855	49.057	366.6	1.852	50.940	366.2	1.848	110
115	40.942	373.8	1.882	42.726	373.4	1.877	44.523	373.0	1.873	46.333	372.5	1.869	48.157	372.1	1.866	49.993	371.7	1.862	115
120	40.246	379.2	1.896	41.992	378.8	1.891	43.749	378.4	1.887	45.517	378.0	1.883	47.298	377.6	1.880	49.091	377.1	1.876	120
125	39.580	384.7	1.909	41.288	384.3	1.905	43.007	383.9	1.901	44.736	383.5	1.897	46.477	383.1	1.894	48.229	382.6	1.890	125
130	38.939	390.1	1.923	40.613	389.7	1.919	42.296	389.3	1.915	43.988	389.0	1.911	45.691	388.6	1.907	47.404	388.2	1.904	130
135	38.324	395.6	1.936	39.964	395.2	1.932	41.613	394.9	1.928	43.271	394.5	1.925	44.938	394.1	1.921	46.615	393.7	1.917	135
140	37.731	401.1	1.950	39.340	400.8	1.946	40.957	400.4	1.942	42.582	400.0	1.938	44.215	399.7	1.935	45.857	399.3	1.931	140
145	37.161	406.7	1.963	38.739	406.3	1.959	40.325	406.0	1.955	41.919	405.6	1.952	43.520	405.3	1.948	45.130	404.9	1.944	145
150	36.610	412.3	1.977	38.160	411.9	1.973	39.717	411.6	1.969	41.281	411.2	1.965	42.852	410.9	1.961	44.430	410.6	1.958	150
155	36.079	417.9	1.990	37.602	417.5	1.986	39.131	417.2	1.982	40.666	416.9	1.978	42.208	416.5	1.975	43.757	416.2	1.971	155
160	35.566	423.5	2.003	37.062	423.2	1.999	38.565	422.9	1.995	40.073	422.5	1.991	41.587	422.2	1.988	43.108	421.9	1.984	160
165	35.070	429.2	2.016	36.541	428.9	2.012	38.018	428.6	2.008	39.500	428.2	2.004	40.988	427.9	2.001	42.482	427.6	1.997	165
170	34.590	434.9	2.029	36.037	434.6	2.025	37.489	434.3	2.021	38.947	434.0	2.017	40.410	433.7	2.014	41.877	433.3	2.010	170
175	34.125	440.6	2.042	35.549	440.3	2.038	36.978	440.0	2.034	38.412	439.7	2.030	39.850	439.4	2.027	41.293	439.1	2.023	175
180	33.674	446.3	2.054	35.076	446.1	2.050	36.483	445.8	2.047	37.894	445.5	2.043	39.309	445.2	2.040	40.728	444.9	2.036	180

KLEA 404A Superheated Vapour Properties (D = Density in kg/m³, H = Enthalpy in kJ/kg, S = Entropy in kJ/kg.K)

Temp (°C)	Absolute Pressure (Bara)																		Temp (°C)
	15.5			16.0			16.5			17.0			17.5			18.0			
	Dew Point 33.41C			Dew Point 34.67C			Dew Point 35.91C			Dew Point 37.11C			Dew Point 38.29C			Dew Point 39.45C			
	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	
35	79.463	285.1	1.610	83.311	284.1	1.605													35
40	76.328	290.6	1.628	79.860	289.6	1.622	83.525	288.7	1.617	87.334	287.7	1.612	91.306	286.6	1.607	95.461	285.5	1.602	40
45	73.561	296.0	1.645	76.841	295.1	1.640	80.225	294.2	1.635	83.721	293.3	1.6	87.340	292.4	1.625	91.094	291.4	1.621	45
50	71.085	301.3	1.661	74.158	300.5	1.657	77.315	299.7	1.652	80.560	298.8	1.647	83.902	298.0	1.643	87.348	297.1	1.638	50
55	68.847	306.6	1.678	71.746	305.9	1.673	74.713	305.1	1.669	77.753	304.3	1.664	80.870	303.5	1.660	84.070	302.7	1.656	55
60	66.807	312.0	1.694	69.556	311.2	1.689	72.362	310.5	1.685	75.229	309.8	1.681	78.159	309.0	1.677	81.156	308.2	1.672	60
65	64.933	317.2	1.709	67.552	316.6	1.705	70.219	315.9	1.701	72.937	315.2	1.697	75.709	314.5	1.693	78.536	313.7	1.689	65
70	63.202	322.6	1.725	65.706	321.9	1.721	68.252	321.3	1.717	70.842	320.6	1.713	73.476	319.9	1.709	76.157	319.2	1.705	70
75	61.596	327.9	1.740	63.999	327.3	1.736	66.437	326.7	1.732	68.913	326.0	1.729	71.428	325.4	1.725	73.982	324.8	1.721	75
80	60.100	333.3	1.756	62.412	332.7	1.752	64.755	332.1	1.748	67.130	331.5	1.744	69.539	330.9	1.740	71.982	330.3	1.737	80
85	58.702	338.6	1.771	60.931	338.1	1.767	63.189	337.5	1.763	65.474	337.0	1.759	67.788	336.4	1.756	70.133	335.8	1.752	85
90	57.390	344.0	1.786	59.545	343.5	1.782	61.724	343.0	1.778	63.928	342.4	1.775	66.158	341.9	1.771	68.414	341.3	1.767	90
95	56.154	349.4	1.801	58.242	348.9	1.797	60.350	348.4	1.793	62.481	347.9	1.790	64.634	347.4	1.786	66.810	346.8	1.782	95
100	54.989	354.8	1.815	57.013	354.4	1.812	59.057	353.9	1.808	61.120	353.4	1.804	63.204	352.9	1.801	65.308	352.4	1.797	100
105	53.885	360.3	1.830	55.852	359.8	1.826	57.836	359.3	1.822	59.838	358.9	1.819	61.858	358.4	1.816	63.895	357.9	1.812	105
110	52.838	365.7	1.844	54.752	365.3	1.840	56.681	364.8	1.837	58.626	364.4	1.833	60.587	363.9	1.830	62.564	363.4	1.827	110
115	51.844	371.2	1.858	53.707	370.8	1.855	55.585	370.3	1.851	57.477	369.9	1.848	59.384	369.5	1.844	61.305	369.0	1.841	115
120	50.896	376.7	1.872	52.713	376.3	1.869	54.544	375.9	1.865	56.387	375.4	1.862	58.243	375.0	1.859	60.112	374.6	1.855	120
125	49.992	382.2	1.886	51.766	381.8	1.883	53.552	381.4	1.879	55.349	381.0	1.876	57.158	380.6	1.873	58.979	380.2	1.870	125
130	49.128	387.8	1.900	50.861	387.4	1.897	52.605	387.0	1.893	54.360	386.6	1.890	56.125	386.2	1.887	57.901	385.8	1.884	130
135	48.300	393.4	1.914	49.996	393.0	1.910	51.700	392.6	1.907	53.415	392.2	1.904	55.139	391.8	1.901	56.872	391.4	1.897	135
140	47.508	398.9	1.927	49.167	398.6	1.924	50.834	398.2	1.921	52.511	397.8	1.918	54.196	397.5	1.914	55.890	397.1	1.911	140
145	46.747	404.6	1.941	48.371	404.2	1.938	50.004	403.8	1.934	51.645	403.5	1.931	53.294	403.1	1.928	54.951	402.8	1.925	145
150	46.015	410.2	1.954	47.608	409.9	1.951	49.208	409.5	1.948	50.815	409.2	1.945	52.429	408.8	1.942	54.051	408.5	1.938	150
155	45.312	415.9	1.968	46.873	415.5	1.964	48.442	415.2	1.961	50.017	414.9	1.958	51.599	414.5	1.955	53.188	414.2	1.952	155
160	44.634	421.6	1.981	46.167	421.2	1.978	47.705	420.9	1.974	49.250	420.6	1.971	50.801	420.3	1.968	52.358	419.9	1.965	160
165	43.981	427.3	1.994	45.485	427.0	1.991	46.996	426.7	1.988	48.512	426.3	1.985	50.033	426.0	1.981	51.561	425.7	1.978	165
170	43.350	433.0	2.007	44.828	432.7	2.004	46.312	432.4	2.001	47.800	432.1	1.998	49.294	431.8	1.995	50.793	431.5	1.992	170
175	42.741	438.8	2.020	44.194	438.5	2.017	45.651	438.2	2.014	47.114	437.9	2.011	48.581	437.6	2.008	50.052	437.3	2.005	175
180	42.152	444.6	2.033	43.581	444.3	2.030	45.014	444.0	2.027	46.451	443.7	2.024	47.892	443.4	2.021	49.338	443.2	2.018	180

KLEA 404A Superheated Vapour Properties (D = Density in kg/m³, H = Enthalpy in kJ/kg, S = Entropy in kJ/kg.K)

Temp (°C)	Absolute Pressure (Bara)																		Temp (°C)
	18.5			19.0			19.5			20.0			20.5			21.0			
	Dew Point 40.58C			Dew Point 41.68C			Dew Point 42.77C			Dew Point 43.83C			Dew Point 44.88C			Dew Point 45.90C			
	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	
45	94.997	290.4	1.616	99.066	289.3	1.611	103.322	288.2	1.606	107.791	287.1	1.601	112.503	285.9	1.595				45
50	90.907	296.2	1.634	94.590	295.2	1.629	98.407	294.2	1.625	102.375	293.2	1.620	106.509	292.2	1.615	110.829	291.1	1.610	50
55	87.358	301.8	1.651	90.743	301.0	1.647	94.230	300.1	1.642	97.829	299.2	1.6	101.549	298.2	1.6	105.403	297.3	1.629	55
60	84.225	307.5	1.668	87.370	306.7	1.664	90.597	305.8	1.660	93.909	305.0	1.656	97.315	304.1	1.652	100.821	303.2	1.647	60
65	81.422	313.0	1.685	84.370	312.3	1.681	87.383	311.5	1.677	90.466	310.7	1.673	93.622	309.9	1.669	96.857	309.1	1.665	65
70	78.887	318.6	1.701	81.669	317.8	1.697	84.505	317.1	1.693	87.397	316.4	1.689	90.349	315.7	1.686	93.364	314.9	1.682	70
75	76.578	324.1	1.717	79.218	323.4	1.713	81.902	322.8	1.710	84.634	322.1	1.706	87.415	321.4	1.702	90.247	320.7	1.699	75
80	74.461	329.7	1.733	76.977	329.0	1.729	79.531	328.4	1.726	82.125	327.8	1.722	84.760	327.1	1.719	87.438	326.5	1.715	80
85	72.508	335.2	1.749	74.915	334.6	1.745	77.355	334.0	1.741	79.829	333.4	1.738	82.338	332.8	1.735	84.883	332.2	1.731	85
90	70.697	340.8	1.764	73.008	340.2	1.760	75.347	339.6	1.757	77.715	339.0	1.754	80.114	338.5	1.750	82.543	337.9	1.747	90
95	69.010	346.3	1.779	71.234	345.8	1.776	73.484	345.2	1.772	75.758	344.7	1.769	78.059	344.1	1.766	80.386	343.6	1.762	95
100	67.433	351.8	1.794	69.579	351.3	1.791	71.747	350.8	1.787	73.937	350.3	1.784	76.150	349.8	1.781	78.387	349.2	1.778	100
105	65.952	357.4	1.809	68.027	356.9	1.806	70.122	356.4	1.802	72.236	355.9	1.799	74.370	355.4	1.796	76.525	354.9	1.793	105
110	64.557	363.0	1.823	66.568	362.5	1.820	68.595	362.0	1.817	70.641	361.5	1.814	72.703	361.1	1.811	74.784	360.6	1.808	110
115	63.241	368.6	1.838	65.192	368.1	1.835	67.158	367.6	1.832	69.140	367.2	1.829	71.138	366.7	1.826	73.151	366.3	1.823	115
120	61.994	374.2	1.852	63.891	373.7	1.849	65.800	373.3	1.846	67.724	372.8	1.843	69.662	372.4	1.840	71.614	371.9	1.837	120
125	60.812	379.8	1.866	62.657	379.3	1.863	64.515	378.9	1.860	66.385	378.5	1.857	68.267	378.1	1.854	70.163	377.6	1.851	125
130	59.687	385.4	1.880	61.485	385.0	1.877	63.294	384.6	1.874	65.115	384.2	1.871	66.946	383.8	1.869	68.789	383.4	1.866	130
135	58.616	391.0	1.894	60.370	390.7	1.891	62.134	390.3	1.888	63.907	389.9	1.886	65.692	389.5	1.883	67.486	389.1	1.880	135
140	57.594	396.7	1.908	59.306	396.3	1.905	61.027	396.0	1.902	62.758	395.6	1.899	64.498	395.2	1.897	66.247	394.8	1.894	140
145	56.616	402.4	1.922	58.290	402.0	1.919	59.971	401.7	1.916	61.662	401.3	1.913	63.360	400.9	1.910	65.067	400.6	1.908	145
150	55.680	408.1	1.935	57.317	407.8	1.933	58.962	407.4	1.930	60.614	407.1	1.927	62.274	406.7	1.924	63.941	406.3	1.921	150
155	54.783	413.8	1.949	56.386	413.5	1.946	57.995	413.2	1.943	59.611	412.8	1.940	61.234	412.5	1.938	62.865	412.1	1.935	155
160	53.922	419.6	1.962	55.492	419.3	1.959	57.068	418.9	1.957	58.650	418.6	1.954	60.239	418.3	1.951	61.834	417.9	1.948	160
165	53.094	425.4	1.976	54.633	425.1	1.973	56.177	424.7	1.970	57.728	424.4	1.967	59.284	424.1	1.964	60.846	423.8	1.962	165
170	52.297	431.2	1.989	53.806	430.9	1.986	55.321	430.6	1.983	56.841	430.2	1.980	58.367	429.9	1.978	59.897	429.6	1.975	170
175	51.529	437.0	2.002	53.011	436.7	1.999	54.497	436.4	1.996	55.988	436.1	1.994	57.485	435.8	1.991	58.986	435.5	1.988	175
180	50.789	442.9	2.015	52.244	442.6	2.012	53.703	442.3	2.009	55.167	442.0	2.007	56.635	441.7	2.004	58.108	441.4	2.001	180

KLEA 404A Superheated Vapour Properties (D = Density in kg/m³, H = Enthalpy in kJ/kg, S = Entropy in kJ/kg.K)																			
Temp (°C)	Absolute Pressure (Bara)																		Temp (°C)
	21.5			22.0			22.5			23.0			23.5			24.0			
	Dew Point 46.91C			Dew Point 47.89C			Dew Point 48.87C			Dew Point 49.82C			Dew Point 50.76C			Dew Point 51.68C			
	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	
50	115.360	289.9	1.605	120.131	288.7	1.600	125.180	287.5	1.595	130.557	286.1	1.590							50
55	109.402	296.2	1.625	113.564	295.2	1.620	117.905	294.1	1.616	122.449	293.0	1.611	127.223	291.8	1.606	132.261	290.6	1.601	55
60	104.435	302.3	1.643	108.166	301.4	1.639	112.025	300.4	1.635	116.022	299.5	1.6	120.173	298.4	1.626	124.494	297.4	1.622	60
65	100.174	308.3	1.661	103.581	307.4	1.657	107.082	306.6	1.653	110.686	305.7	1.649	114.400	304.8	1.645	118.234	303.8	1.641	65
70	96.445	314.1	1.678	99.595	313.4	1.674	102.820	312.6	1.671	106.123	311.8	1.667	109.509	310.9	1.663	112.984	310.1	1.659	70
75	93.133	320.0	1.695	96.075	319.2	1.691	99.077	318.5	1.688	102.140	317.8	1.684	105.269	317.0	1.681	108.467	316.2	1.677	75
80	90.160	325.8	1.712	92.929	325.1	1.708	95.746	324.4	1.705	98.614	323.7	1.701	101.534	323.0	1.698	104.509	322.3	1.694	80
85	87.466	331.5	1.728	90.088	330.9	1.724	92.749	330.3	1.721	95.453	329.6	1.718	98.200	329.0	1.714	100.991	328.3	1.711	85
90	85.005	337.3	1.744	87.499	336.7	1.740	90.027	336.1	1.737	92.591	335.5	1.734	95.190	334.8	1.731	97.827	334.2	1.728	90
95	82.741	343.0	1.759	85.124	342.4	1.756	87.536	341.9	1.753	89.978	341.3	1.750	92.451	340.7	1.747	94.955	340.1	1.744	95
100	80.647	348.7	1.775	82.932	348.2	1.772	85.242	347.6	1.769	87.577	347.1	1.766	89.939	346.5	1.763	92.328	346.0	1.760	100
105	78.701	354.4	1.790	80.898	353.9	1.787	83.117	353.4	1.784	85.358	352.8	1.781	87.621	352.3	1.778	89.908	351.8	1.775	105
110	76.884	360.1	1.805	79.002	359.6	1.802	81.139	359.1	1.799	83.296	358.6	1.796	85.472	358.1	1.793	87.669	357.6	1.790	110
115	75.181	365.8	1.820	77.228	365.3	1.817	79.291	364.9	1.814	81.372	364.4	1.811	83.470	363.9	1.808	85.585	363.4	1.805	115
120	73.581	371.5	1.834	75.562	371.1	1.831	77.558	370.6	1.829	79.570	370.1	1.826	81.596	369.7	1.823	83.639	369.2	1.820	120
125	72.071	377.2	1.849	73.993	376.8	1.846	75.928	376.3	1.843	77.876	375.9	1.840	79.838	375.5	1.838	81.813	375.0	1.835	125
130	70.644	382.9	1.863	72.510	382.5	1.860	74.389	382.1	1.857	76.279	381.7	1.855	78.182	381.3	1.852	80.097	380.8	1.849	130
135	69.291	388.7	1.877	71.107	388.3	1.874	72.933	387.9	1.872	74.770	387.5	1.869	76.618	387.1	1.866	78.477	386.7	1.864	135
140	68.006	394.4	1.891	69.774	394.0	1.888	71.552	393.7	1.886	73.340	393.3	1.883	75.137	392.9	1.881	76.944	392.5	1.878	140
145	66.783	400.2	1.905	68.507	399.8	1.902	70.240	399.5	1.900	71.981	399.1	1.897	73.732	398.7	1.895	75.491	398.3	1.892	145
150	65.616	406.0	1.919	67.299	405.6	1.916	68.990	405.3	1.914	70.689	404.9	1.911	72.395	404.5	1.908	74.110	404.2	1.906	150
155	64.502	411.8	1.932	66.146	411.4	1.930	67.798	411.1	1.927	69.456	410.7	1.925	71.122	410.4	1.922	72.795	410.0	1.920	155
160	63.435	417.6	1.946	65.044	417.3	1.943	66.658	416.9	1.941	68.279	416.6	1.938	69.907	416.3	1.936	71.541	415.9	1.933	160
165	62.414	423.4	1.959	63.988	423.1	1.957	65.567	422.8	1.954	67.153	422.5	1.952	68.744	422.1	1.949	70.342	421.8	1.947	165
170	61.433	429.3	1.973	62.975	429.0	1.970	64.522	428.7	1.968	66.074	428.4	1.965	67.631	428.0	1.963	69.194	427.7	1.960	170
175	60.491	435.2	1.986	62.002	434.9	1.983	63.518	434.6	1.981	65.039	434.3	1.978	66.564	434.0	1.976	68.095	433.7	1.974	175
180	59.585	441.1	1.999	61.067	440.8	1.996	62.553	440.5	1.994	64.044	440.2	1.992	65.539	439.9	1.989	67.039	439.6	1.987	180

KLEA 404A Superheated Vapour Properties (D = Density in kg/m³, H = Enthalpy in kJ/kg, S = Entropy in kJ/kg.K)																			
Temp (°C)	Absolute Pressure (Bara)																		Temp (°C)
	24.5			25.0			25.5			26.0			26.5			27.0			
	Dew Point 52.59C			Dew Point 53.49C			Dew Point 54.37C			Dew Point 55.23C			Dew Point 56.09C			Dew Point 56.93C			
	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	D	H	S	
55	137.604	289.3	1.596	143.310	287.9	1.591	149.451	286.4	1.585										55
60	129.003	296.3	1.617	133.725	295.1	1.613	138.687	293.9	1.608	143.925	292.6	1.603	149.482	291.3	1.598	155.418	289.9	1.593	60
65	122.197	302.8	1.637	126.301	301.8	1.633	130.560	300.8	1.628	134.991	299.7	1.6	139.612	298.6	1.620	144.445	297.5	1.615	65
70	116.554	309.2	1.655	120.226	308.3	1.652	124.007	307.4	1.648	127.906	306.5	1.644	131.932	305.5	1.640	136.097	304.5	1.636	70
75	111.737	315.4	1.673	115.085	314.6	1.670	118.513	313.8	1.666	122.029	312.9	1.663	125.636	312.1	1.659	129.342	311.2	1.655	75
80	107.542	321.6	1.691	110.635	320.8	1.688	113.791	320.1	1.684	117.014	319.3	1.681	120.306	318.5	1.677	123.672	317.7	1.674	80
85	103.830	327.6	1.708	106.716	326.9	1.705	109.654	326.2	1.701	112.644	325.5	1.698	115.689	324.8	1.695	118.791	324.1	1.692	85
90	100.503	333.6	1.725	103.218	332.9	1.721	105.975	332.3	1.718	108.775	331.6	1.715	111.618	331.0	1.712	114.508	330.3	1.709	90
95	97.492	339.5	1.741	100.062	338.9	1.738	102.666	338.3	1.735	105.306	337.7	1.732	107.982	337.1	1.729	110.696	336.4	1.726	95
100	94.744	345.4	1.757	97.189	344.8	1.754	99.662	344.3	1.751	102.165	343.7	1.748	104.699	343.1	1.745	107.264	342.5	1.742	100
105	92.219	351.3	1.772	94.554	350.7	1.769	96.914	350.2	1.767	99.299	349.6	1.764	101.710	349.1	1.761	104.147	348.5	1.758	105
110	89.886	357.1	1.788	92.124	356.6	1.785	94.383	356.1	1.782	96.665	355.6	1.779	98.968	355.0	1.777	101.294	354.5	1.774	110
115	87.719	362.9	1.803	89.870	362.5	1.800	92.041	362.0	1.797	94.230	361.5	1.795	96.438	361.0	1.792	98.666	360.5	1.789	115
120	85.697	368.8	1.818	87.771	368.3	1.815	89.861	367.8	1.812	91.968	367.4	1.810	94.091	366.9	1.807	96.232	366.4	1.805	120
125	83.803	374.6	1.832	85.807	374.1	1.830	87.825	373.7	1.827	89.858	373.3	1.825	91.905	372.8	1.822	93.967	372.3	1.820	125
130	82.024	380.4	1.847	83.964	380.0	1.844	85.916	379.6	1.842	87.881	379.1	1.839	89.859	378.7	1.837	91.851	378.3	1.834	130
135	80.347	386.3	1.861	82.228	385.8	1.859	84.120	385.4	1.856	86.024	385.0	1.854	87.939	384.6	1.851	89.866	384.2	1.849	135
140	78.761	392.1	1.876	80.588	391.7	1.873	82.426	391.3	1.871	84.273	390.9	1.868	86.130	390.5	1.866	87.998	390.1	1.863	140
145	77.259	398.0	1.890	79.036	397.6	1.887	80.823	397.2	1.885	82.618	396.8	1.882	84.422	396.4	1.880	86.236	396.0	1.878	145
150	75.833	403.8	1.904	77.564	403.4	1.901	79.302	403.1	1.899	81.050	402.7	1.896	82.805	402.3	1.894	84.568	402.0	1.892	150
155	74.475	409.7	1.917	76.163	409.3	1.915	77.858	409.0	1.913	79.560	408.6	1.910	81.270	408.3	1.908	82.987	407.9	1.906	155
160	73.181	415.6	1.931	74.828	415.2	1.929	76.482	414.9	1.926	78.143	414.6	1.924	79.810	414.2	1.922	81.484	413.9	1.920	160
165	71.945	421.5	1.945	73.555	421.2	1.942	75.170	420.8	1.940	76.791	420.5	1.938	78.419	420.2	1.936	80.052	419.8	1.933	165
170	70.763	427.4	1.958	72.337	427.1	1.956	73.916	426.8	1.953	75.501	426.5	1.951	77.091	426.1	1.949	78.686	425.8	1.947	170
175	69.630	433.4	1.971	71.170	433.0	1.969	72.716	432.7	1.967	74.266	432.4	1.965	75.821	432.1	1.962	77.381	431.8	1.960	175
180	68.543	439.3	1.985	70.052	439.0	1.982	71.565	438.7	1.980	73.083	438.4	1.978	74.605	438.1	1.976	76.132	437.8	1.974	180

KLEA 404A Superheated Vapour Properties (D = Density in kg/m³, H = Enthalpy in kJ/kg, S = Entropy in kJ/kg.K)										
Temp (°C)	Absolute Pressure (Bara)									Temp (°C)
	27.5			28.0			28.5			
	Dew Point 57.76C			Dew Point 58.58C			Dew Point 59.39C			
	D	H	S	D	H	S	D	H	S	
60	161.807	288.4	1.587	168.757	286.8	1.581	176.422	285.0	1.575	60
65	149.518	296.3	1.611	154.864	295.0	1.606	160.525	293.7	1.601	65
70	140.412	303.5	1.632	144.894	302.4	1.628	149.559	301.3	1.624	70
75	133.152	310.3	1.652	137.075	309.4	1.648	141.120	308.4	1.644	75
80	127.116	316.9	1.671	130.642	316.1	1.667	134.254	315.2	1.664	80
85	121.953	323.3	1.689	125.177	322.6	1.685	128.468	321.8	1.682	85
90	117.445	329.6	1.706	120.432	328.9	1.703	123.469	328.2	1.700	90
95	113.448	335.8	1.723	116.240	335.1	1.720	119.074	334.5	1.717	95
100	109.861	341.9	1.739	112.491	341.3	1.737	115.155	340.7	1.734	100
105	106.611	348.0	1.756	109.103	347.4	1.753	111.623	346.8	1.750	105
110	103.643	354.0	1.771	106.015	353.4	1.769	108.412	352.9	1.766	110
115	100.913	360.0	1.787	103.181	359.5	1.784	105.469	359.0	1.782	115
120	98.390	365.9	1.802	100.565	365.5	1.800	102.758	365.0	1.797	120
125	96.044	371.9	1.817	98.137	371.4	1.815	100.244	371.0	1.812	125
130	93.855	377.8	1.832	95.873	377.4	1.830	97.904	377.0	1.827	130
135	91.804	383.8	1.847	93.755	383.4	1.844	95.717	382.9	1.842	135
140	89.876	389.7	1.861	91.765	389.3	1.859	93.664	388.9	1.857	140
145	88.059	395.7	1.875	89.891	395.3	1.873	91.732	394.9	1.871	145
150	86.340	401.6	1.890	88.120	401.2	1.887	89.909	400.9	1.885	150
155	84.711	407.6	1.904	86.443	407.2	1.901	88.183	406.9	1.899	155
160	83.164	413.5	1.917	84.852	413.2	1.915	86.546	412.8	1.913	160
165	81.692	419.5	1.931	83.337	419.2	1.929	84.989	418.8	1.927	165
170	80.288	425.5	1.945	81.894	425.2	1.943	83.506	424.9	1.941	170
175	78.946	431.5	1.958	80.516	431.2	1.956	82.091	430.9	1.954	175
180	77.663	437.5	1.972	79.199	437.2	1.970	80.739	436.9	1.967	180

KLEA® 404A

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