

Point	Description	Temperature [°C]	Pressure [bar]	Density [kg/m ³]	Enthalpy [kJ/kg]	Entropy [kJ/(kg·K)]
1	Compressor suction	12	9,029	32,78	430,7	1,832
2	Compressor discharge (estimated)	69,1	21,85	69,07	469,9	1,873
2s	Condensation dew point	36	21,85	90,88	426	1,738
3s	Condensation bubble point	35,9	21,85	1003	258,3	1,196
3a	Condenser out	33,9	21,85	1014	254,7	1,185
3	Including additional subcooling	33,9	21,85	1014	254,7	1,185
4	After expansion valve	3,9	9,029	139,1	254,7	1,197
4s	Evaporation bubble point	3,9	9,029	1155	205,9	1,021
1s	Evaporation dew point	4	9,029	34,63	422,1	1,801
1a	Evaporator out	12	9,029	32,78	430,7	1,832