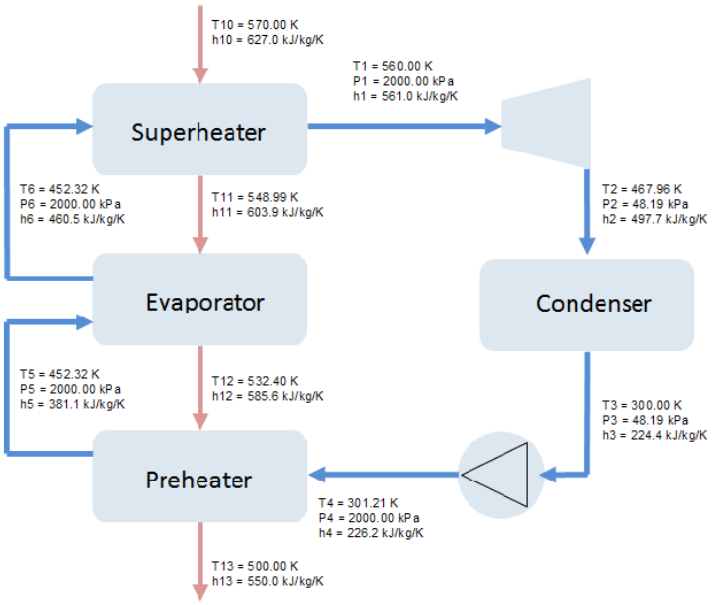
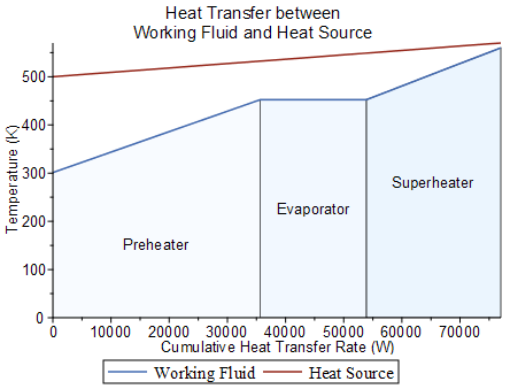
Subcritical Organic Rankine Cycle

Thermodynamic Cycle





Turbine Power

Pump Power

Cycle Net Power

Heat Produced

Cycle Net Efficiency

Parameters

Working Fluid	R113		Pump Isentropic Efficiency		
Heat Source Inlet Temperature T10		K	Expander Isentropic Efficiency		
Heat Source Flowrate		$kg\ s^{-1}$	Heat Source Specific Heat Capacity		$J\ kg^{-1}\ K^{-1}$
Expander Inlet Temperature T1		K	Expander Inlet Pressure P1		Pa
Heat Source Outlet Temperature T13		K	Condenser Outlet Temperature T3		K