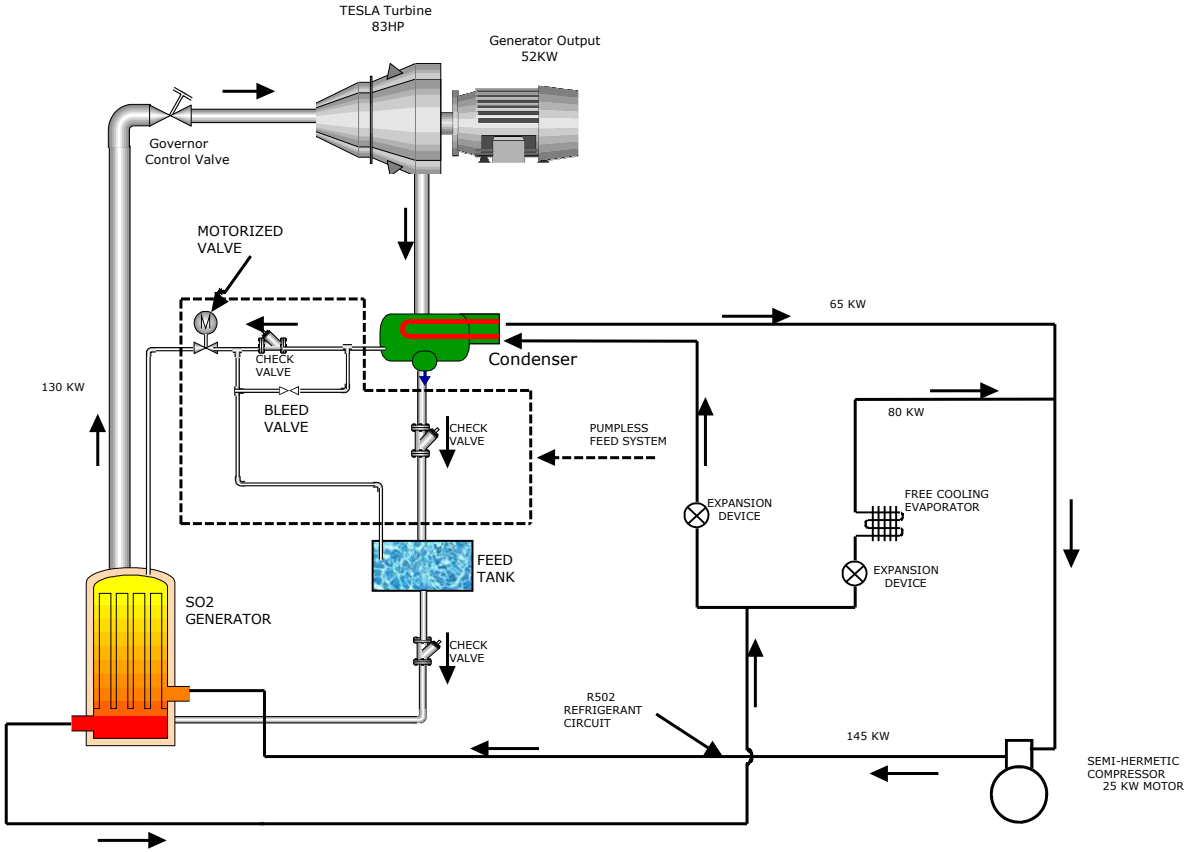

TOTAL SYSTEM EFFICIENCY=36%

Project Designer:	
TIM PYRON	
Project Contact:	
Project #	WO#
Date:	Rev. Date:
02/16/1984	

HEAT PUMP POWER GENERATOR

DESCRIPTION

Low grade Heat is absorbed in the evaporator and condenser and then compressed in the compressor converting it to high grade heat.
This high grade heat is sent to a heat exchanger containing liquid sulphur dioxide causing it to boil.
The gas under pressure is delivered to a Tesla Turbine that drives an electric generator.
As the gas condenses in the condenser, it will fill the feed tank by gravity. When the feed tank is full, the motorized valve will open, pressurizing the feed tank causing it to gravity fill the So2 generator.
The cycle efficiency is based on the Heat Pumps coefficient of performance at approx. 4.0