



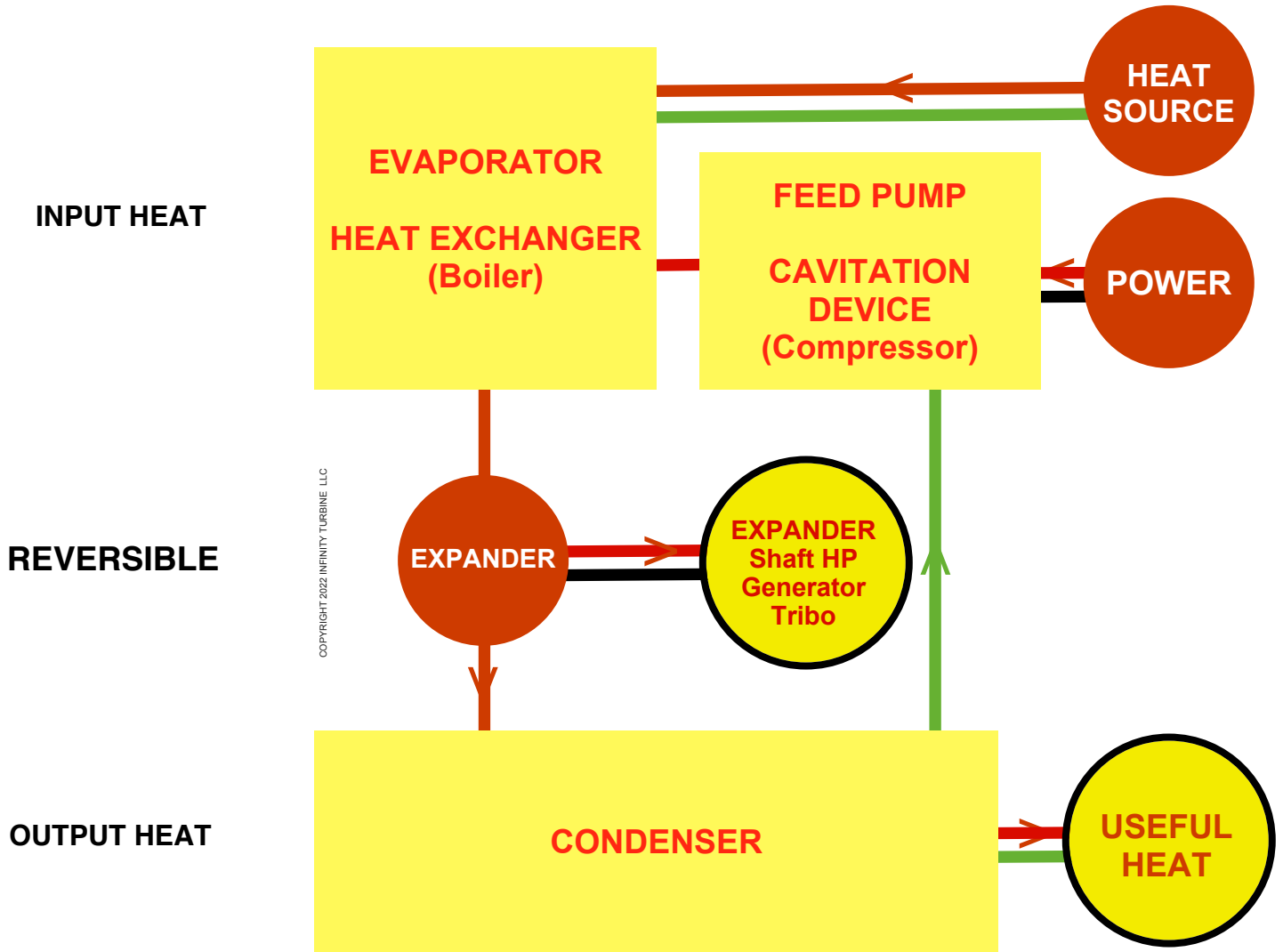
# ORC Heat Pump

HP ORC  
Reversible

# System Inputs

CO2  
Electricity  
Heat

## Module Legend



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**APPLICATIONS OF PHASE CHANGE DYNAMICS:**  
(Closed Loop)

- Power Generation
- Materials Extraction
- Electrostatic Precipitation
- Heat Pump (HVAC)
- Cooling

**ORGANIC RANKINE CYCLE:**  
(Closed Loop Recuperating)  
Working Fluid: CO2  
Single shaft drive  
One Part Compressor  
One Part Expander  
Heat Source (> 304.13K, 31C, 88F)  
Condenser (cooling)



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UNLESS OTHERWISE NOTED:		DRAWN GA	20220328
DIMENSIONS ARE IN INCHES	FRAC TIONALS	CHECKED	
TOLERANCES	ANGULAR: MATCH ± 0.1 BEND ±	QA	
THREE PLACE DECIMAL ± 0.001	THREE PLACE DECIMAL ± 0.001	MFG	
PROPRIETARY AND CONFIDENTIAL	ANSI Y14.5	APPROVED	
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HP ORC LEGEND

