Engineering Software

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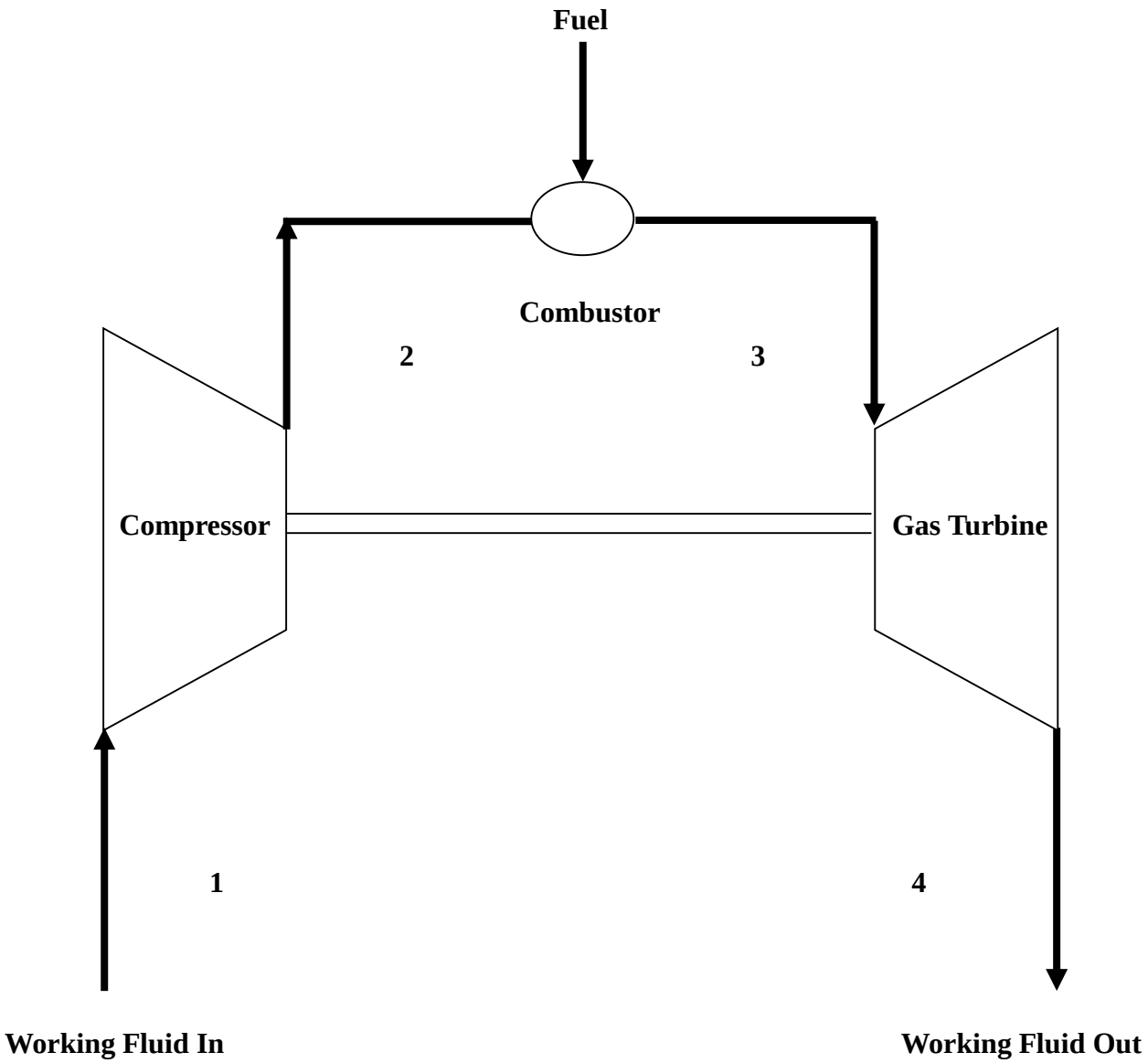
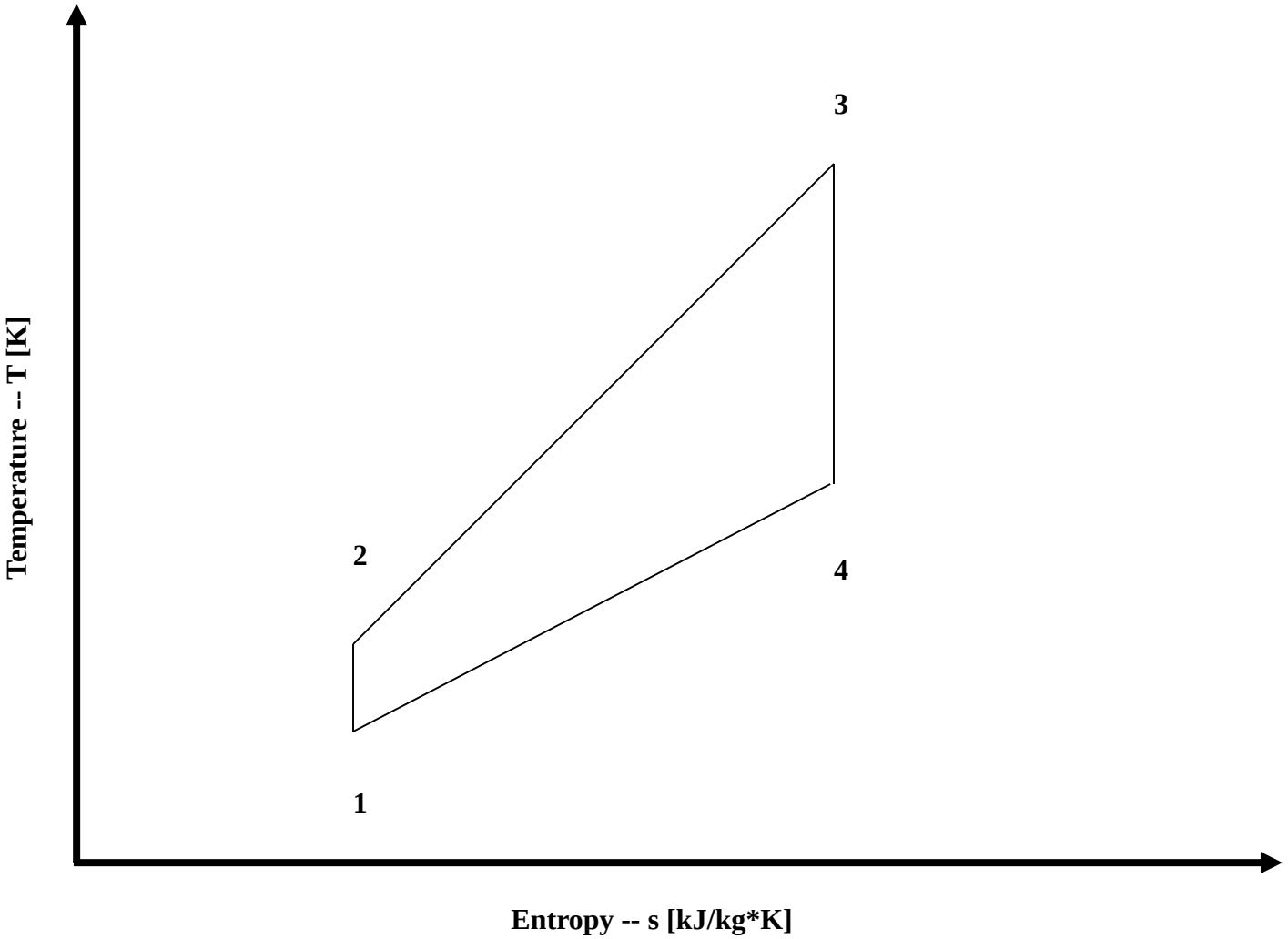
Brayton Cycle (Gas Turbine) Analysis

Here are some of the basic Brayton Cycle (Gas Turbine) plots for power and propulsion applications.

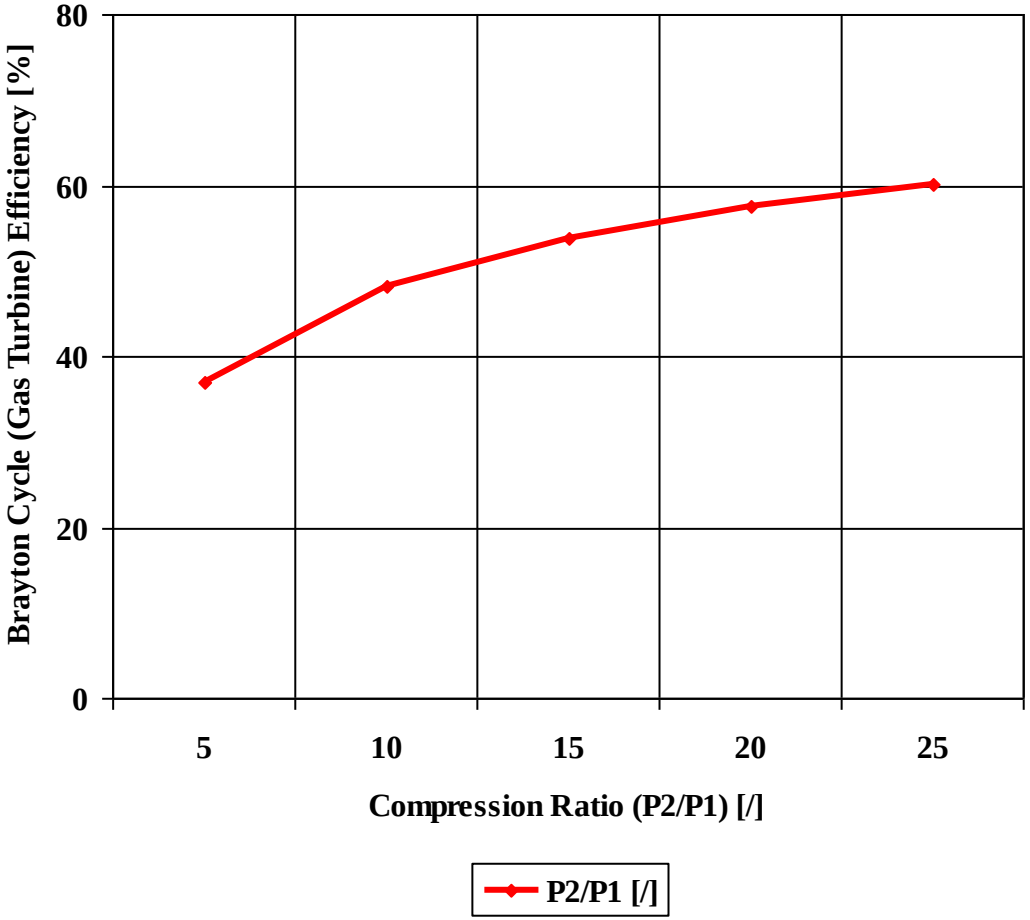


Brayton Cycle (Gas Turbine) Schematic Layout



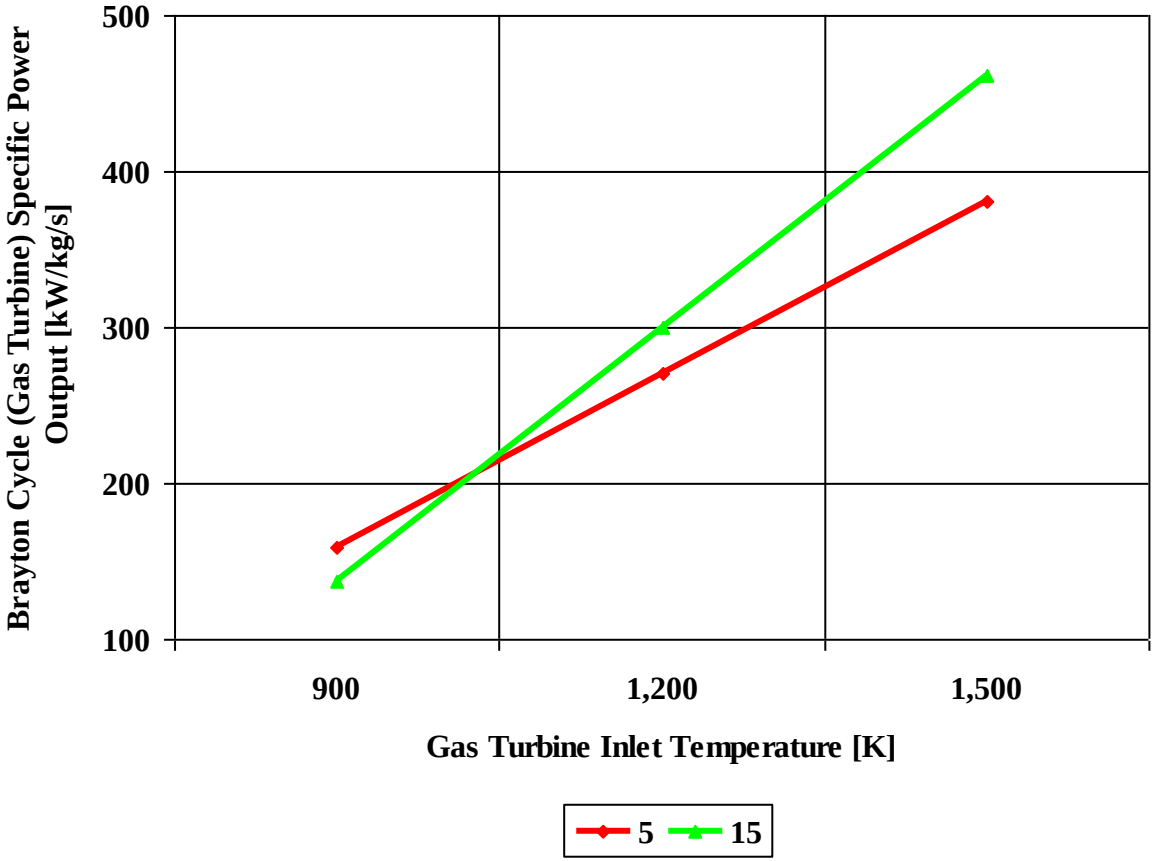
Brayton Cycle (Gas Turbine) T - s Diagram

Brayton Cycle (Gas Turbine) Efficiency

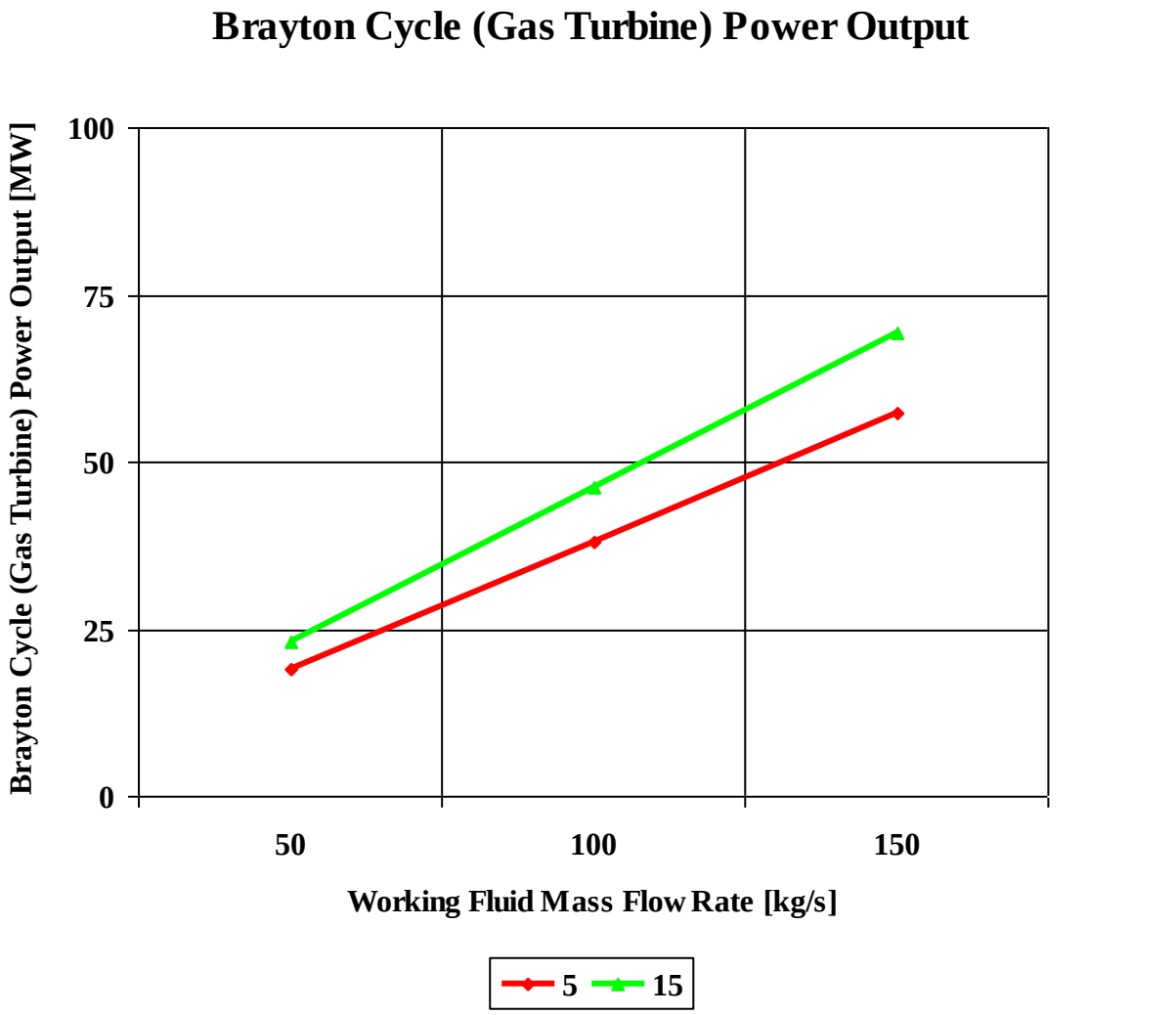


Working Fluid: Air

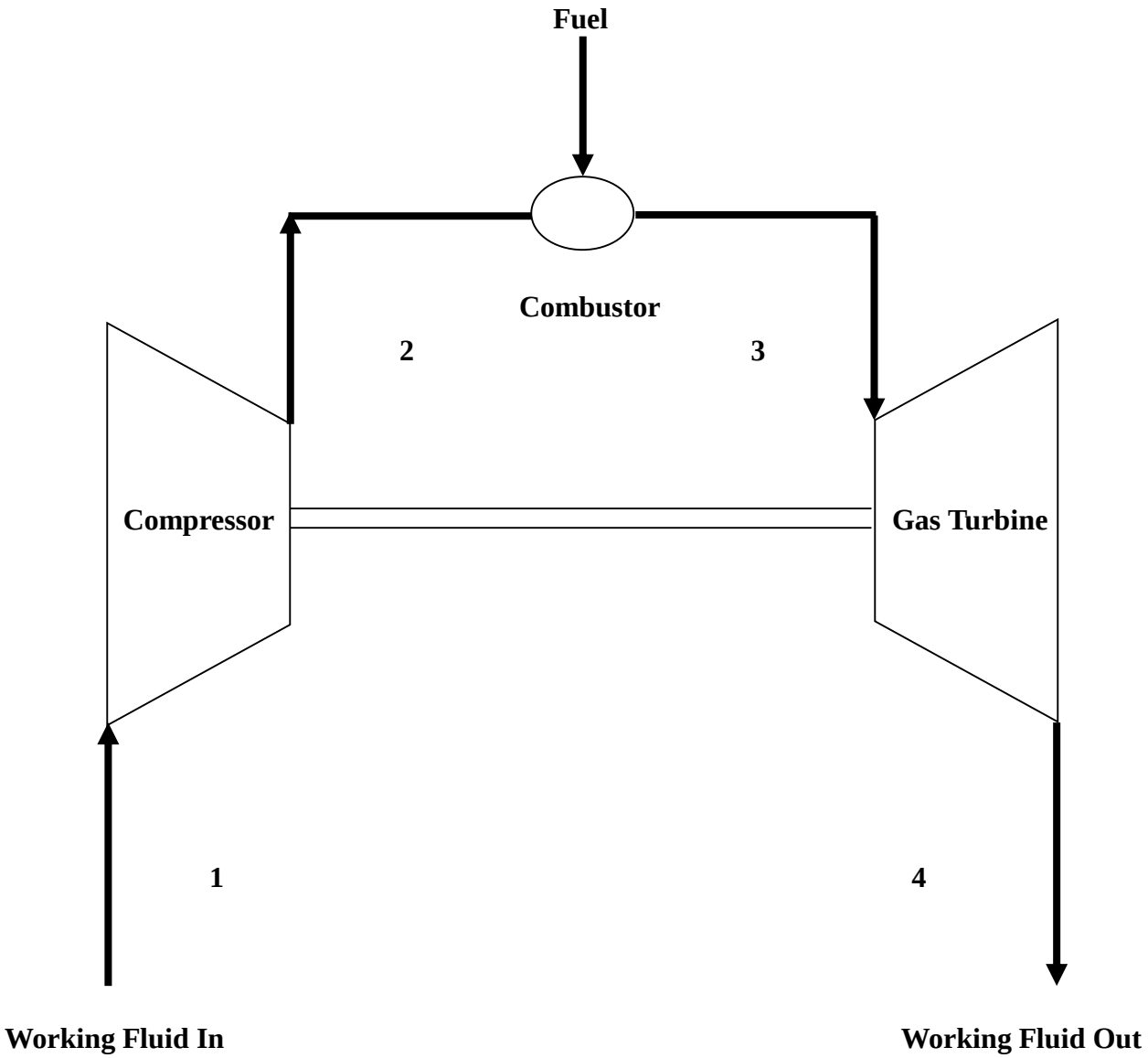
Brayton Cycle (Gas Turbine) Specific Power Output



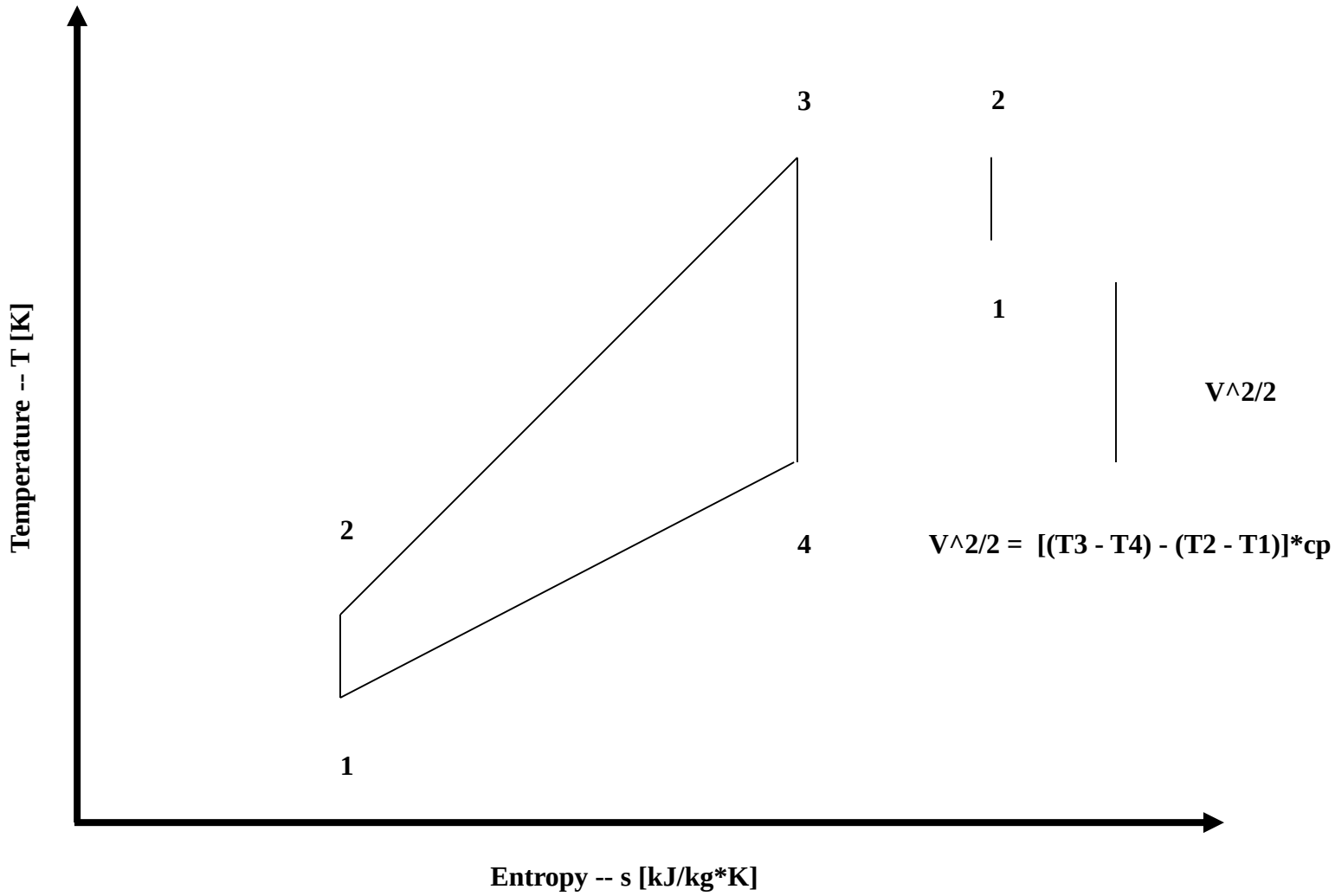
Compression Ratio (P2/P1) [/]
Working Fluid: Air
Compressor Inlet Temperature: 298 [K]



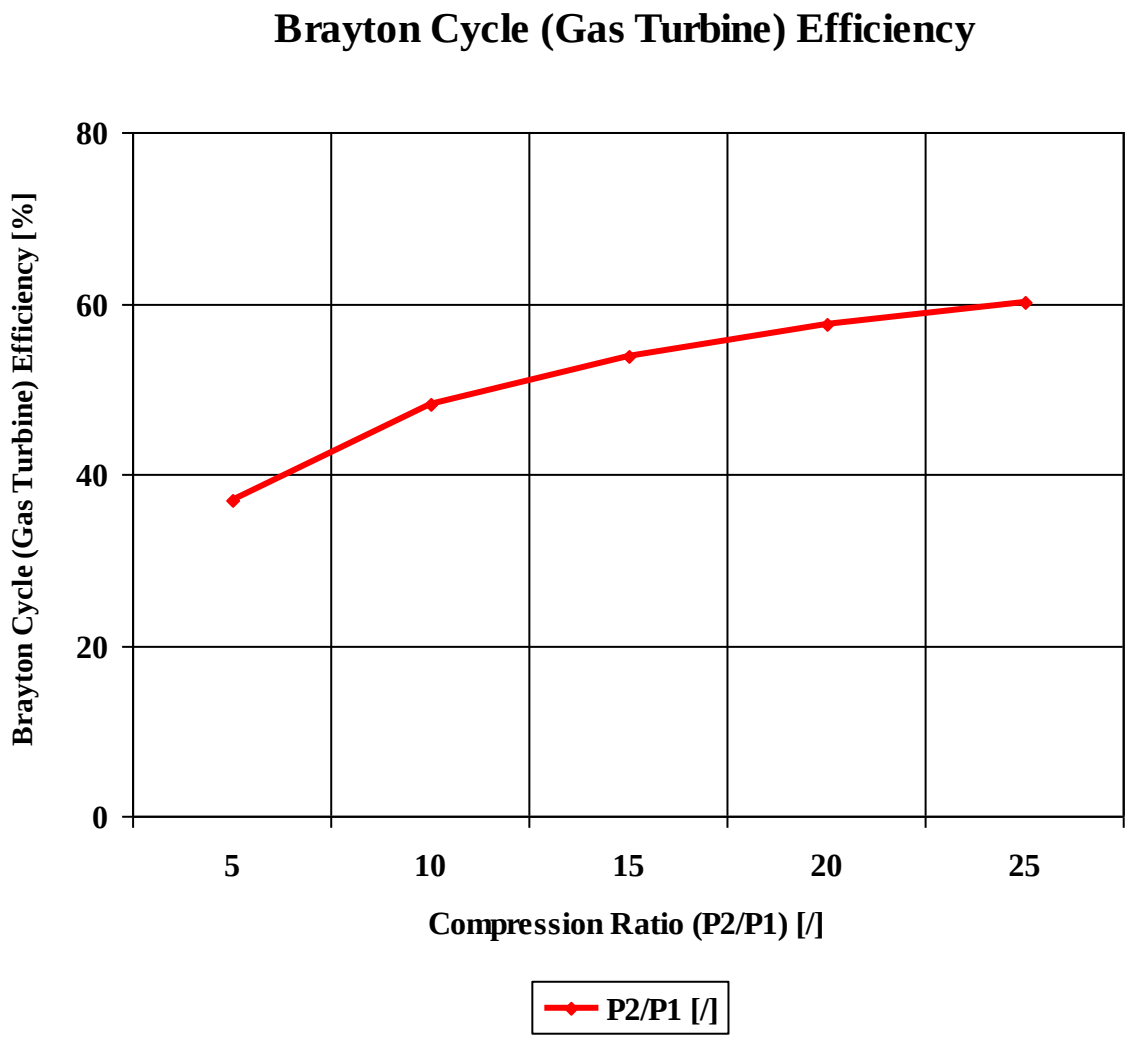
Compression Ratio (P2/P1) [/]
Working Fluid: Air
Compressor Inlet Temperature: 298 [K] -- Gas Turbine Inlet Temperature: 1,500 [K]



Brayton Cycle (Gas Turbine) Schematic Layout

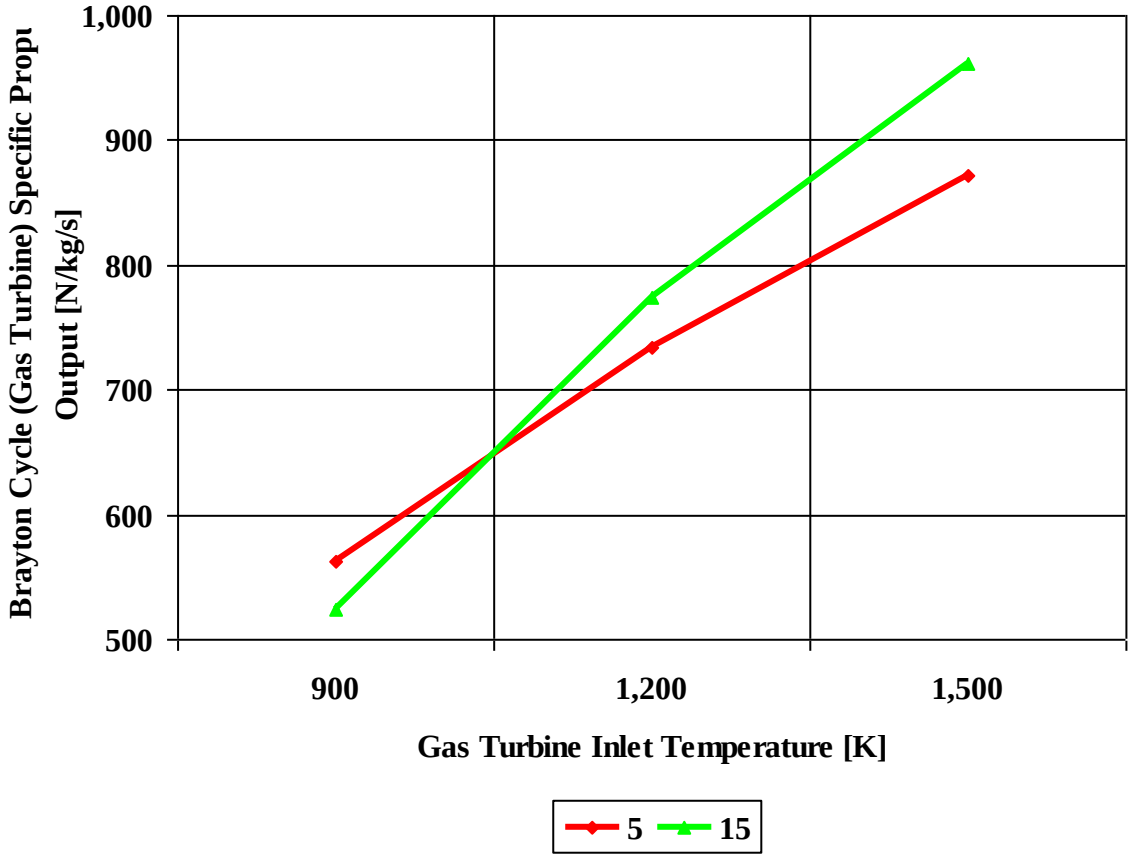


Brayton Cycle (Gas Turbine) T - s Diagram



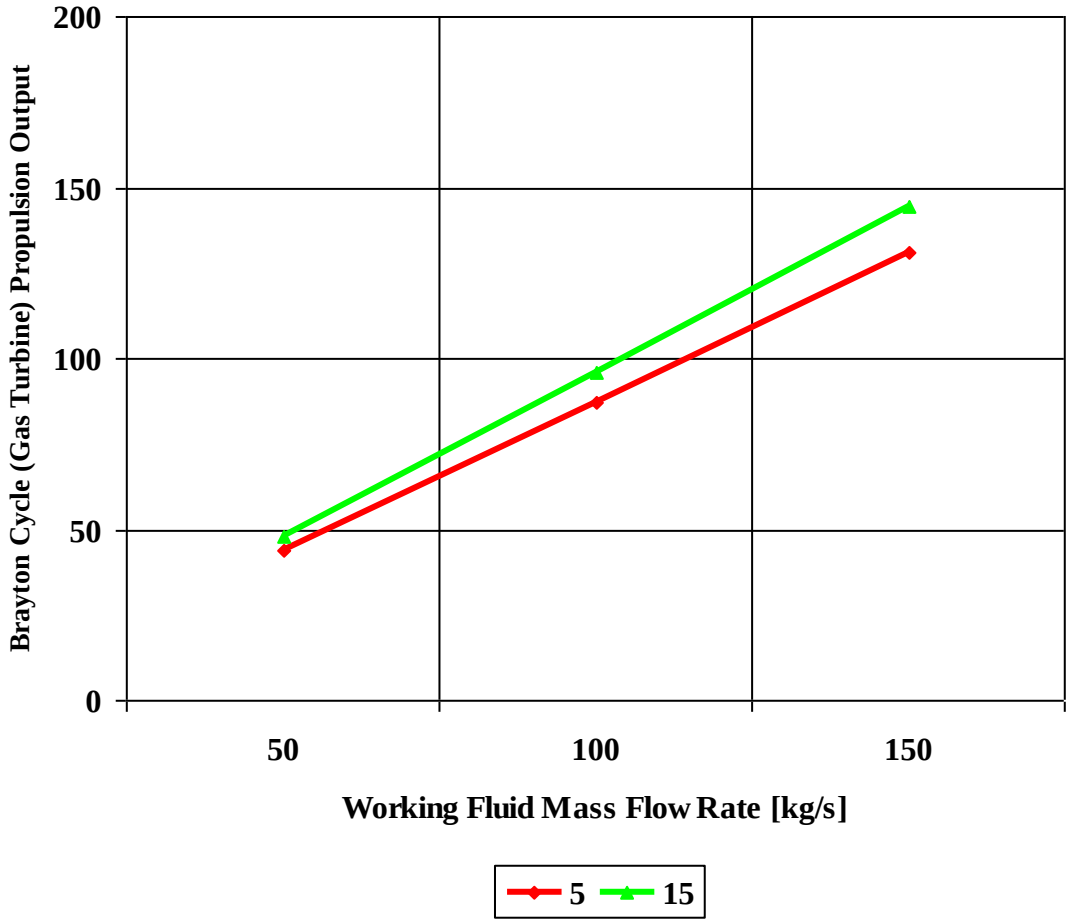
Working Fluid: Air

Brayton Cycle (Gas Turbine) Specific Propulsion Output



Compression Ratio (P2/P1) [/]
Working Fluid: Air
Compressor Inlet Temperature: 298 [K]

Brayton Cycle (Gas Turbine) Propulsion Output



Compression Ratio (P2/P1) [/]
Working Fluid: Air
Compressor Inlet Temperature: 298 [K] -- Gas Turbine Inlet Temperature: 1,500 [K]

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