

# Engineering Software

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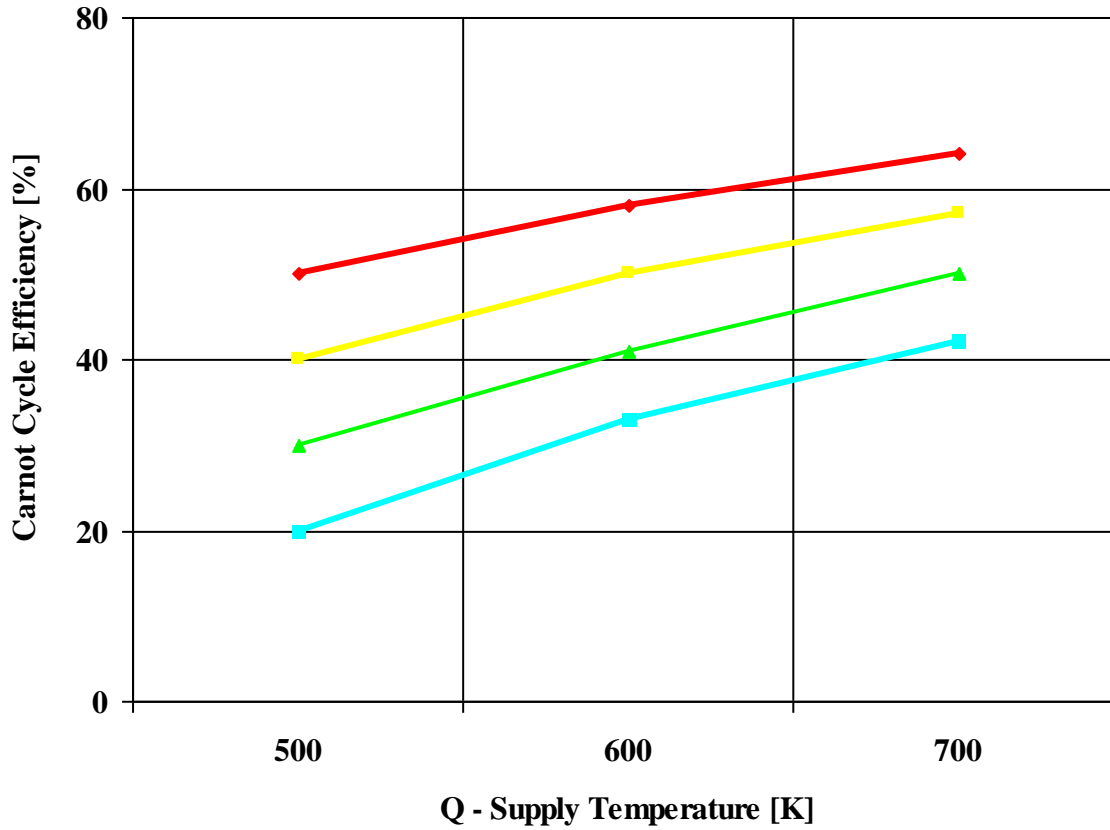
E-Mail: [info@engineering-4e.com](mailto:info@engineering-4e.com)

<http://www.engineering-4e.com>

# Engineering Plots

Here are some of the basic engineering plots related to energy conversion systems -- the engineering plots have been generated by the **Engineering Software** product line.

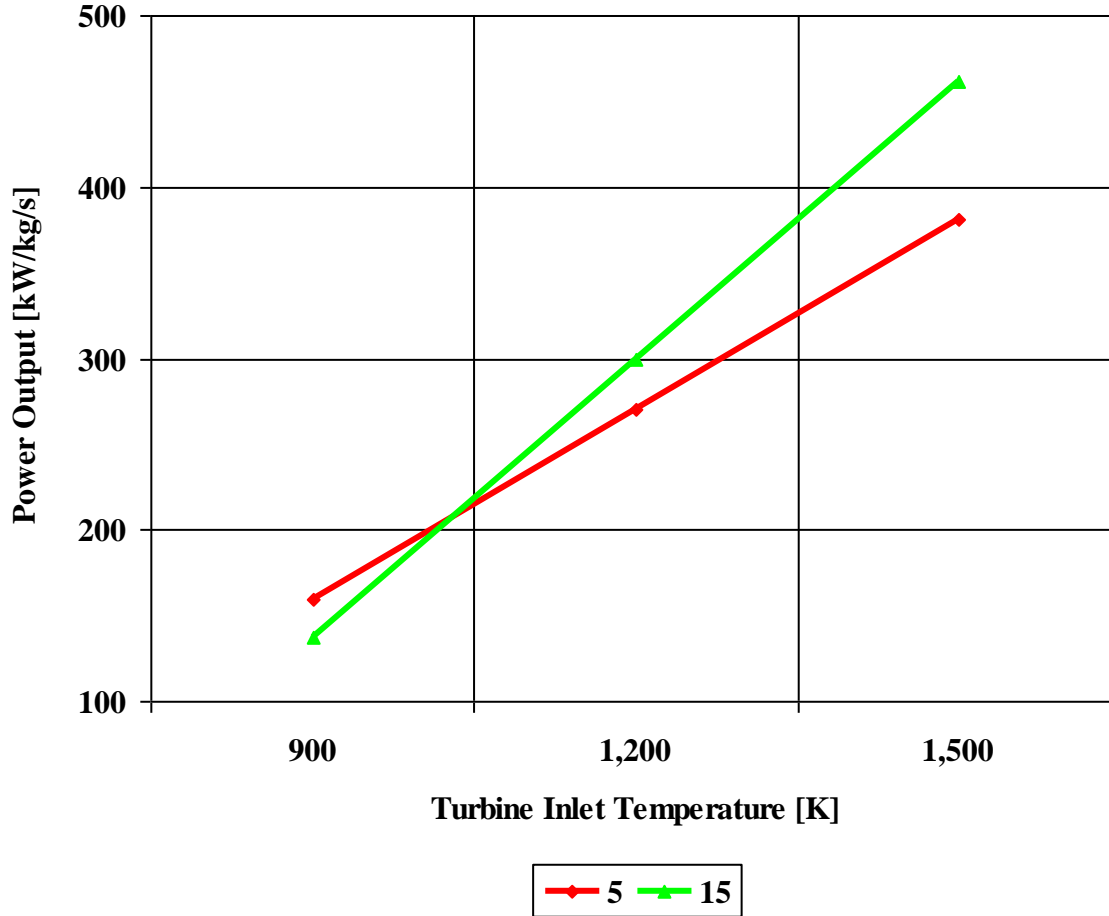
# Carnot Cycle Efficiency



Legend: 250 (red diamond), 300 (yellow square), 350 (green triangle), 400 (cyan square)

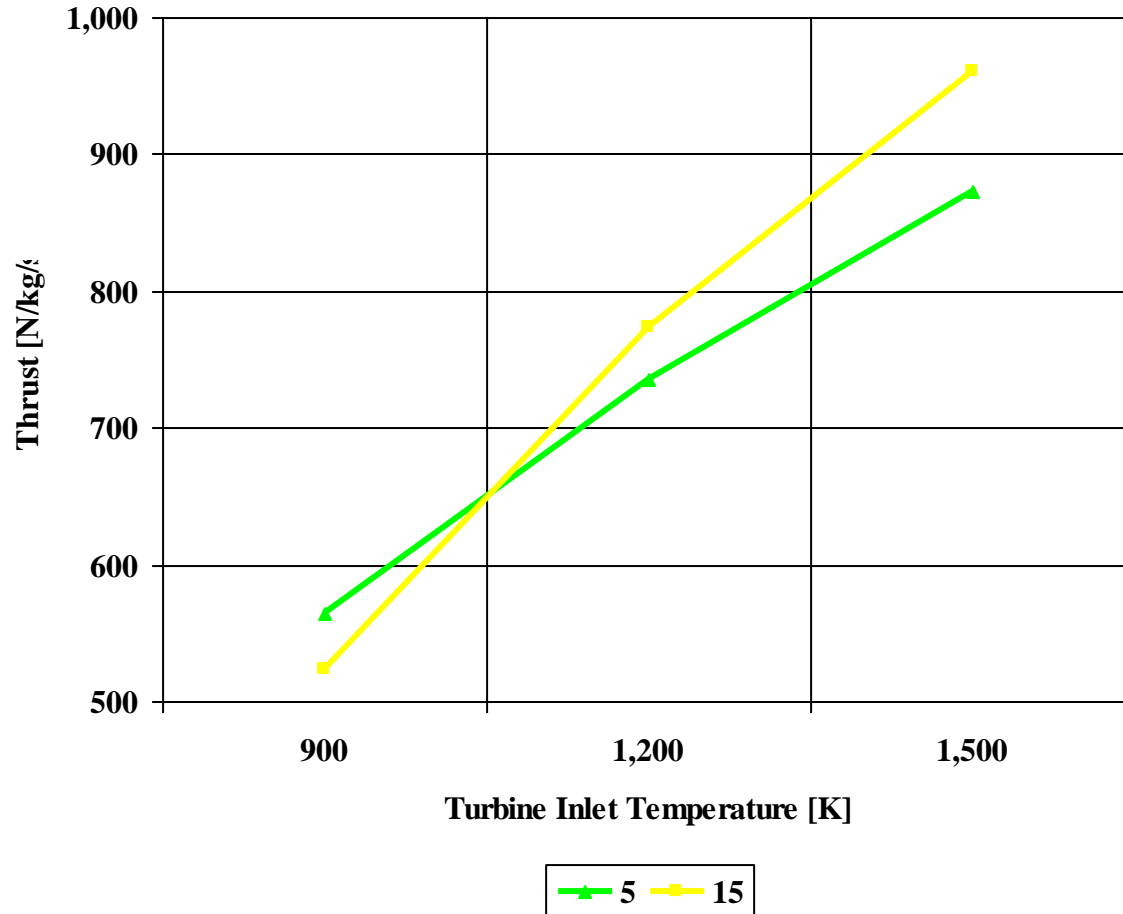
Q - Reject Temperature

# Brayton Cycle (Power)



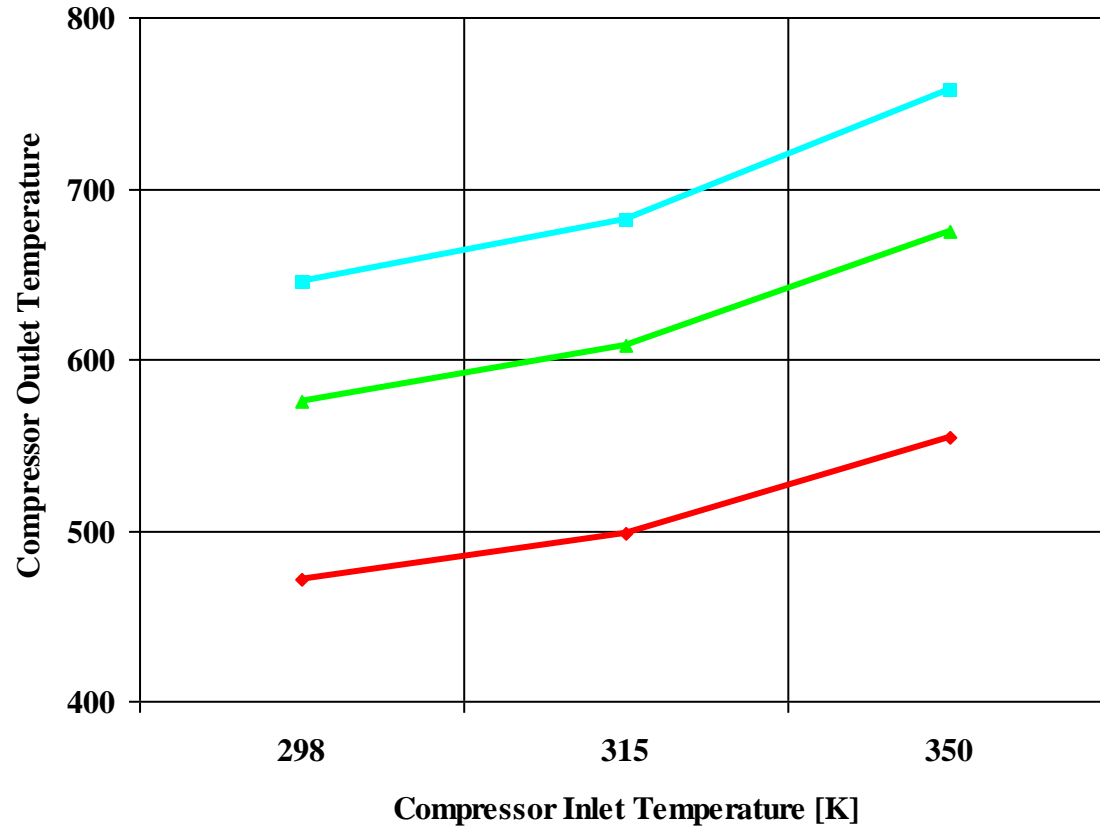
Compression Ratio ( $P_2/P_1$ ) [ ]  
Working Fluid: Air  
Isentropic Compression and Expansion

## Brayton Cycle (Propulsion)



Compression Ratio ( $P_2/P_1$ ) [ ]  
Working Fluid: Air  
Isentropic Compression and Expansion

# Compression



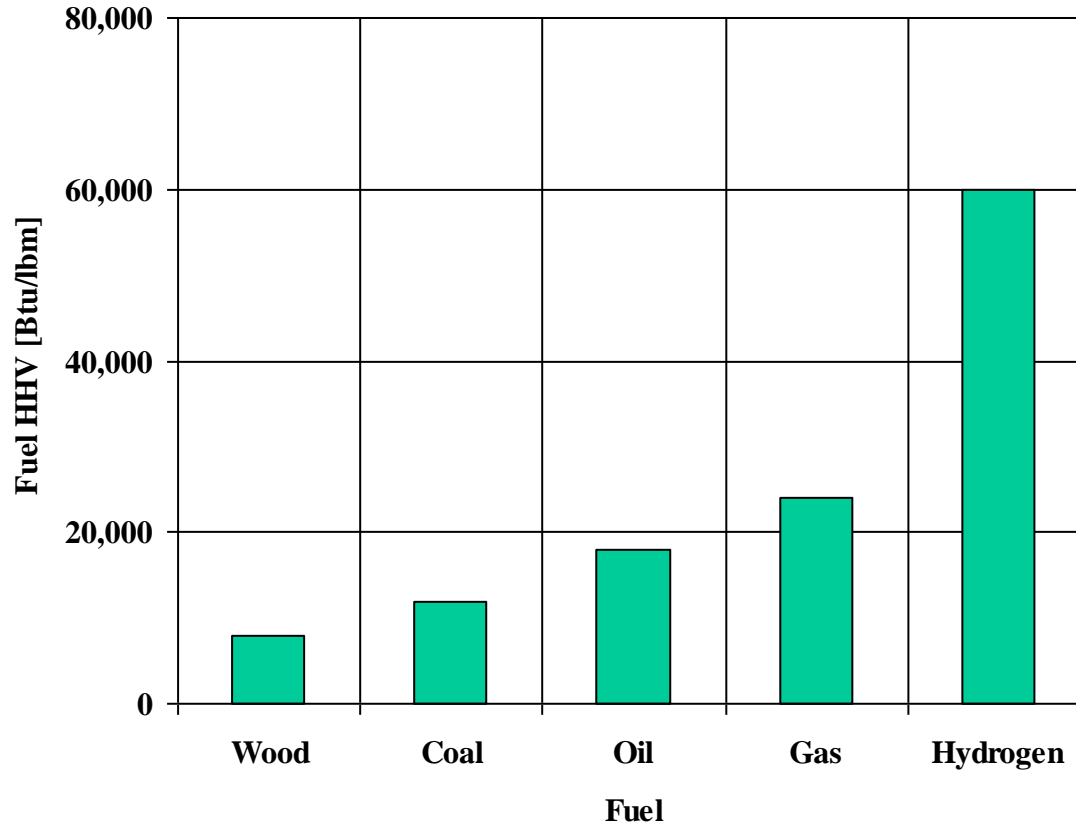
—◆— 5 —▲— 10 —■— 15

Compression Ratio (P2/P1) [/]

Working Fluid: Air

Isentropic Compression

## Fuel HHV



■ HHV [Btu/lbm]

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