

Answer on Question #66757-Physics-Molecular Physics-Thermodynamics

Draw Carnot cycle on (i) p-V, and (ii) T-S diagrams. With the help of p-V diagram

Solution

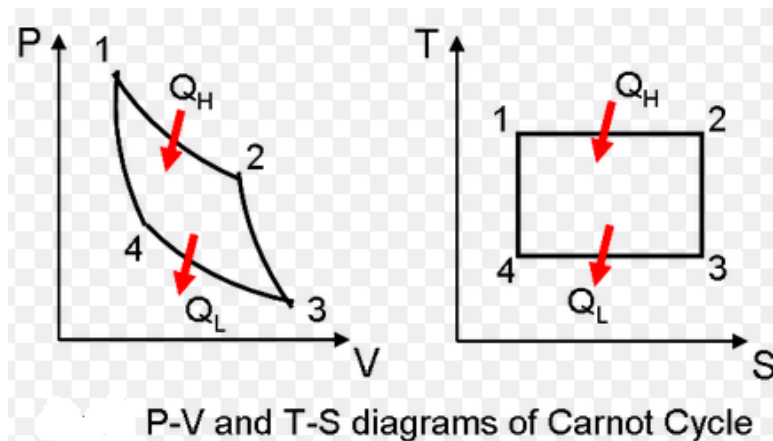
Carnot cycle is composed of four processes:

1-2. Isothermal heat addition ($T=\text{const}$)

2-3. Isentropic expansion ($S=\text{const}$)

3-4. Isothermal heat rejection ($T=\text{const}$)

4-1. Isentropic compression ($S=\text{const}$)



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