

Answers to Week #7 Homework

7-62. (a) $-0.428 \text{ kJ/kg}\cdot\text{K}$, (b) 125.4 kJ/kg

7-63. -0.0025 kW/K

7-35. 8.096 kJ/K

7-40. 7.93 kW

7-87. 89.8%

7-90. (a) 646 kPa , (b) 352 kW