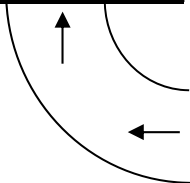


Inside
 $T_H = 65^\circ\text{F}$



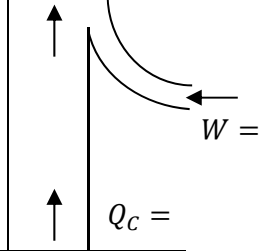
$$Q_H = +6000 \text{ J}$$

$$W =$$

Outside
 $T_C = 50^\circ\text{F}$

Space heater (or furnace)

Inside
 $T_H = 65^\circ\text{F}$



$$Q_C =$$

$$W =$$

Outside
 $T_C = 50^\circ\text{F}$

Heat Pump