Equation 3.5-2. $$\frac{365\ W}{1000\ scfm} * \overline{\dot{V}}_s * [\tau_2 - \tau_1]$$

and decrease $q_{cyc,dry}$ by,

Equation 3.5-3. $$\frac{1250\ Btu/h}{1000\ scfm} * \overline{\dot{V}}_s * [\tau_2 - \tau_1]$$