

$$\frac{RH(T_j)}{N} = \frac{BL(T_j) - \left[X(T_j) \cdot \dot{Q}_h(T_j) \cdot \delta(T_j) \right]}{3.413 \frac{\text{Btu/h}}{W}} \cdot \frac{n_j}{N} \quad (4.2.1-2)$$