Psychrometric Equations:

\[ H_T = \text{CFM} \times 4.5 \times \Delta h \]  
\[ H_S = \text{CFM} \times 1.085 \times \Delta T \]  
\[ H_L = \text{CFM} \times 0.68 \times \Delta W_{GR} \]  
\[ H_T = H_S + H_L \]

Where:
- \( H_T \) = Total Heat (BTU/Hr)
- \( H_S \) = Sensible Heat (BTU/Hr)
- \( H_L \) = Latent Heat (BTU/Hr)
- \( \Delta T \) = Dry Bulb Temp Diff. (°F)
- \( \Delta h \) = Enthalpy Diff. (BTU/lb)
- \( \Delta W_{GR} \) = Humidity Ratio Diff. (Grains/lb of Dry Air)

Standards & Conversions:

- 1 lb moisture = 7000 Grains
- Density of Water = 8.34 lbs/gal
- Density of Air (Dry) = 0.075 lbs/ft³ (60°F, 14.7 psi)
- Latent Heat of Vaporization (Water) = 970 BTU/lb

Chart by: HANDS DOWN SOFTWARE, www.handsdownsoftware.com