



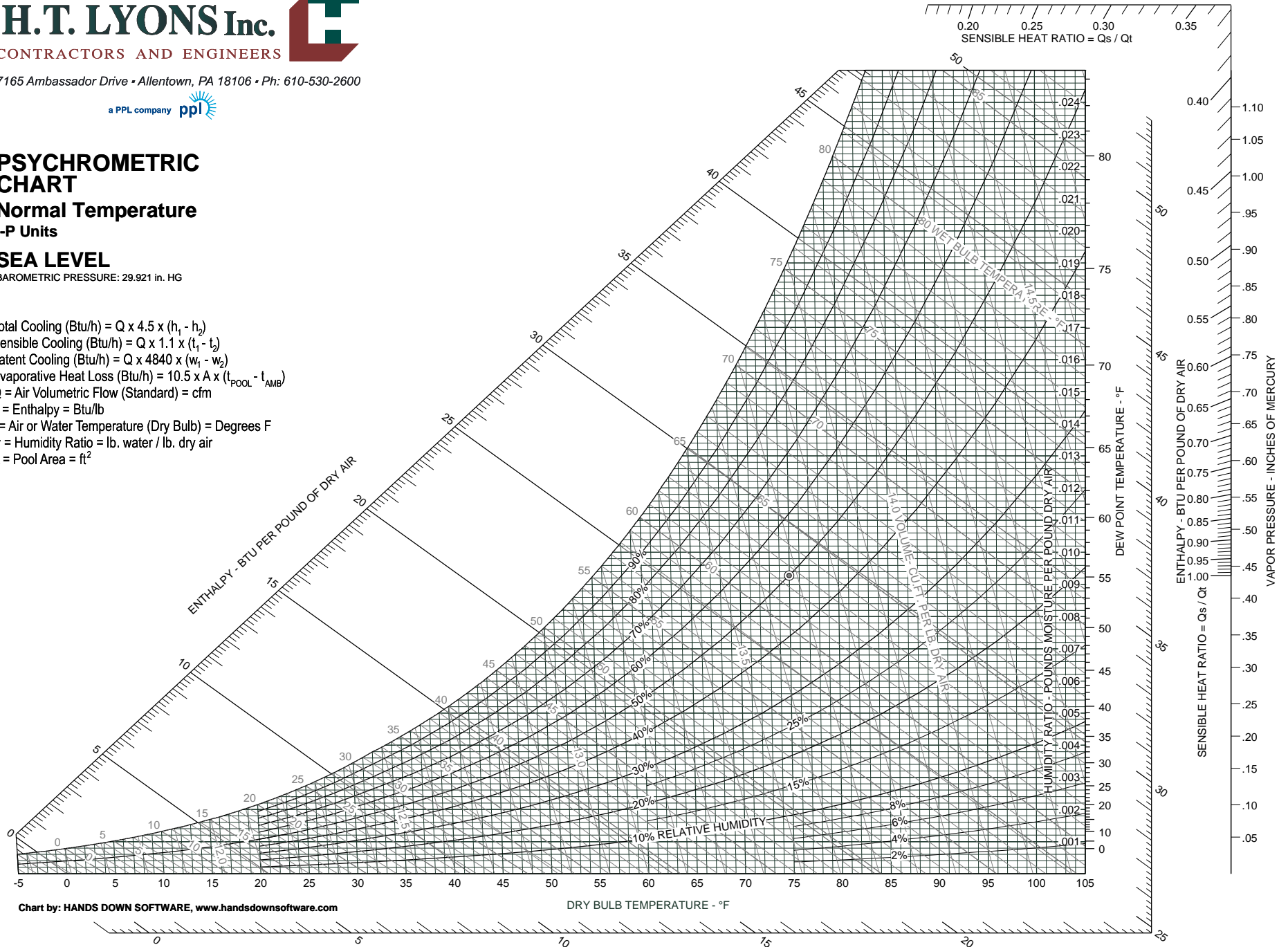
PSYCHROMETRIC CHART

Normal Temperature
I-P Units

SEA LEVEL

BAROMETRIC PRESSURE: 29.921 in. HG

- Total Cooling (Btu/h) = $Q \times 4.5 \times (h_1 - h_2)$
- Sensible Cooling (Btu/h) = $Q \times 1.1 \times (t_1 - t_2)$
- Latent Cooling (Btu/h) = $Q \times 4840 \times (w_1 - w_2)$
- Evaporative Heat Loss (Btu/h) = $10.5 \times A \times (t_{\text{POOL}} - t_{\text{AMB}})$
- Q = Air Volumetric Flow (Standard) = cfm
- h = Enthalpy = Btu/lb
- t = Air or Water Temperature (Dry Bulb) = Degrees F
- w = Humidity Ratio = lb. water / lb. dry air
- A = Pool Area = ft²





PSYCHROMETRIC CHART

Normal Temperature
SI Units

SEA LEVEL

BAROMETRIC PRESSURE: 101.325 kPa

- Total Cooling (Btu/h) = $Q \times 4.5 \times (h_1 - h_2)$
- Sensible Cooling (Btu/h) = $Q \times 1.1 \times (t_1 - t_2)$
- Latent Cooling (Btu/h) = $Q \times 4840 \times (w_1 - w_2)$
- Evaporative Heat Loss (Btu/h) = $10.5 \times A \times (t_{\text{POOL}} - t_{\text{AMB}})$
- Q = Air Volumetric Flow (Standard) = cfm
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