



**Engineers at your Service**

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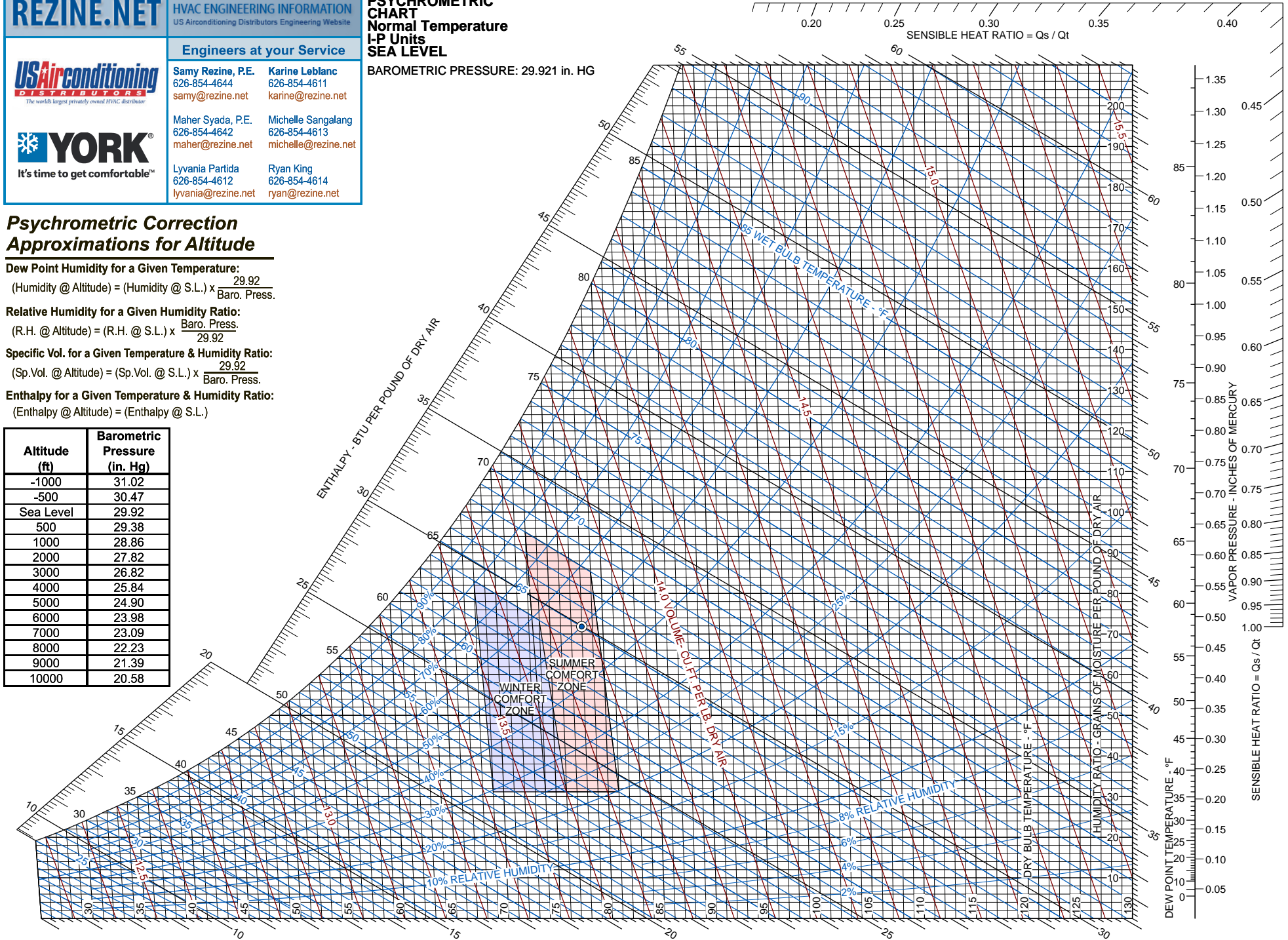
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**PSYCHROMETRIC CHART**  
Normal Temperature  
I-P Units  
SEA LEVEL

BAROMETRIC PRESSURE: 29.921 in. HG



**Psychrometric Correction Approximations for Altitude**

**Dew Point Humidity for a Given Temperature:**  
(Humidity @ Altitude) = (Humidity @ S.L.) x  $\frac{29.92}{\text{Baro. Press.}}$

**Relative Humidity for a Given Humidity Ratio:**  
(R.H. @ Altitude) = (R.H. @ S.L.) x  $\frac{\text{Baro. Press.}}{29.92}$

**Specific Vol. for a Given Temperature & Humidity Ratio:**  
(Sp.Vol. @ Altitude) = (Sp.Vol. @ S.L.) x  $\frac{29.92}{\text{Baro. Press.}}$

**Enthalpy for a Given Temperature & Humidity Ratio:**  
(Enthalpy @ Altitude) = (Enthalpy @ S.L.)

Altitude (ft)	Barometric Pressure (in. Hg)
-1000	31.02
-500	30.47
Sea Level	29.92
500	29.38
1000	28.86
2000	27.82
3000	26.82
4000	25.84
5000	24.90
6000	23.98
7000	23.09
8000	22.23
9000	21.39
10000	20.58



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**PSYCHROMETRIC CHART**  
**Normal Temperature**  
**SI Units**  
**SEA LEVEL**

BAROMETRIC PRESSURE: 101.325 kPa

**Psychrometric Correction**  
**Approximations for Altitude**

**Dew Point Humidity for a Given Temperature:**  
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