

PSYCHROMETRIC CHART

SI Units
SEA LEVEL
BAROMETRIC PRESSURE: 101.325 kPa



Climate by Design
INTERNATIONAL

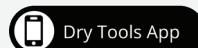


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Dehumidification Capacity

$$\frac{\text{m}^3}{\text{s}} \xrightarrow{\text{Supply g/kg}} \text{Space g/kg} \quad \frac{\text{kg}}{\text{hr}} = 4.35 \cdot \frac{\text{m}^3}{\text{s}} \cdot \frac{\Delta g_{\text{water}}}{\text{kg}_{\text{dry air}}}$$

Required Supply Air Humidity Ratio

$$\frac{\text{m}^3}{\text{s}} \xrightarrow{\text{Supply g/kg}} \text{Space g/kg} \quad \frac{\Delta g_{\text{water}}}{\text{kg}_{\text{dry air}}} = \frac{\frac{\text{kg}}{\text{hr}}}{4.35 \cdot \frac{\text{m}^3}{\text{s}}}$$

Required Supply Air Flow Rate

$$\frac{\text{m}^3}{\text{s}} \xrightarrow{\text{Supply g/kg}} \text{Space g/kg} \quad \frac{\text{m}^3}{\text{s}} = \frac{\frac{\text{kg}}{\text{hr}}}{4.35 \cdot \frac{\Delta g_{\text{water}}}{\text{kg}_{\text{dry air}}}}$$

Total Heat

