

**Calculation of required capacity**

**Imperial**

$$kW = \frac{CFM \times (T^{\circ}2 - T^{\circ}1) \times 1.08}{3413}$$

*kW* : Power in kW

*CFM* : Air volume in cubic feet per minute

*T<sup>°</sup>2* : Temperature of air leaving heater in °F

*T<sup>°</sup>1* : Temperature of air entering heater in °F

**Metric**

$$P = \frac{Q \times (T^{\circ}2 - T^{\circ}1) \times 1,3}{3600}$$

*P* : Power in kW

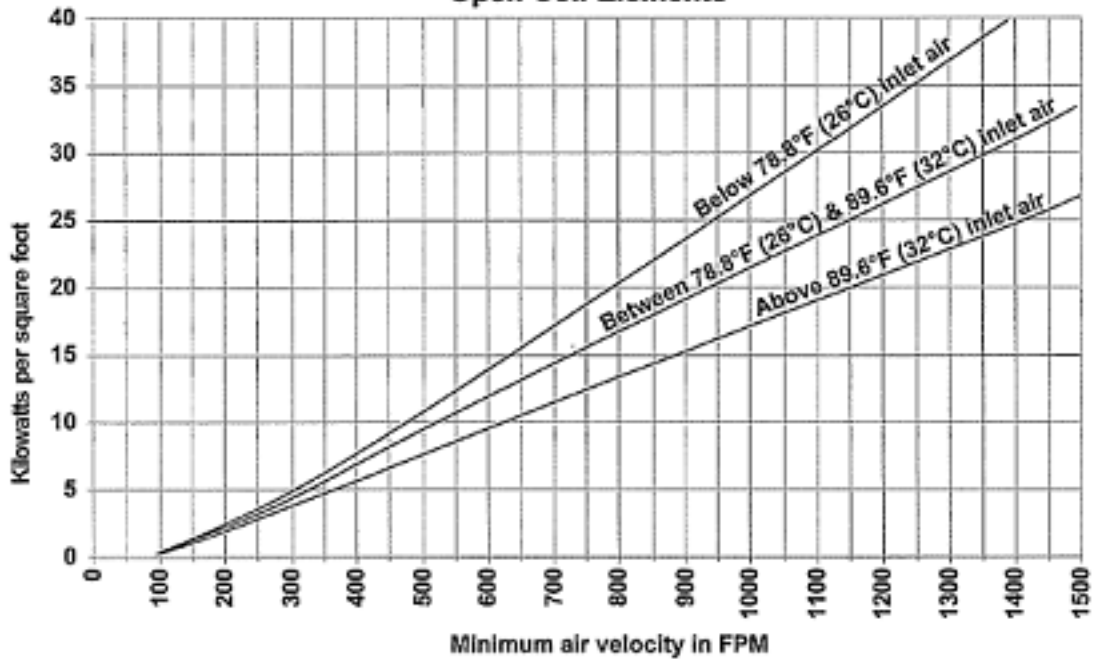
*Q* : Air volume in m<sup>3</sup>/hr

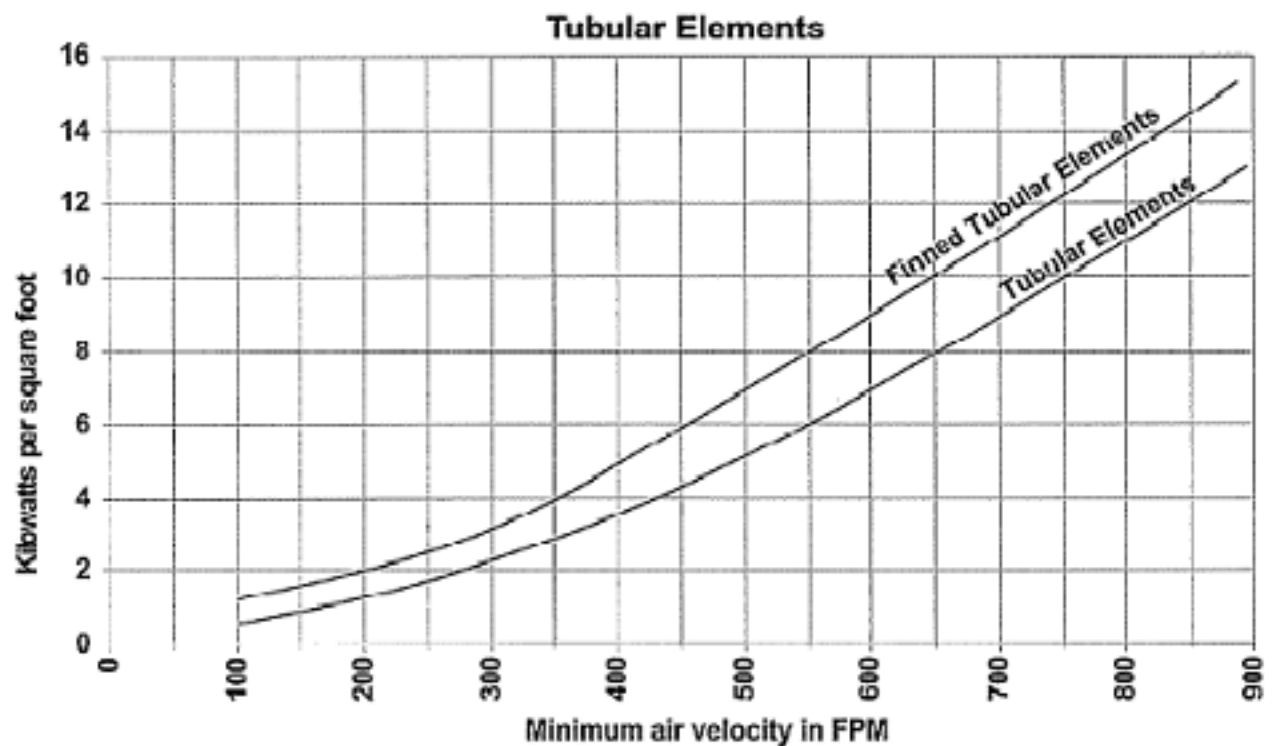
*T<sup>°</sup>2* : Temperature of air leaving heater in °C

*T<sup>°</sup>1* : Temperature of air entering heater in °C

**Minimum Air Velocity**

**Open Coil Elements**





WALL FIN ENCLOSURE WITH SINGLE ELEMENT  
AT AVERAGE 170° F WATER WILL GIVE  
OUTPUT OF 1000 BTU / HOUR / LIN. FT

$$1 \text{ KW} = 3414 \text{ BTU/HOUR}$$

<i>MULTIPLY</i>	<i>BY</i>	<i>TO OBTAIN</i>
°C + 17.78	1.8	°F
°F - 32	5/9	°C