



CFM Calculations

Electric Heat Calculator

$$\frac{\text{Volts } \boxed{} \times \text{Amps } \boxed{} \times 3.413}{\text{Temp Diff } \boxed{} \times 1.08} = \frac{\boxed{}}{\boxed{}} = \text{CFM } \boxed{}$$

Example:

| | |
|---|--|
| Electric Heat (23.4 KW) | $240 \times 97.65 \times 3.413 = 79,987$ |
| | $79,987 / (50 \times 1.08)$ |
| $\text{CFM} = \frac{\text{Volt} \times \text{Amps} \times 3.413}{\text{Temp Diff} \times 1.08}$ | $79,987 / 54$ |
| | CFM = 1481 |

Gas Heat Calculator

$$\frac{\text{Output BTUH } \boxed{}}{\text{Temp Diff } \boxed{} \times 1.08} = \frac{\boxed{}}{\boxed{}} = \text{CFM } \boxed{}$$

Example:

Gas input 100,000
 Multiple by 80% = 80,000 Output

$80,000 / (50 \times 1.08)$
 $80,000 / 54$
 CFM = 1481

Gas Heat

$$\text{CFM} = \frac{\text{Output BTUH}}{\text{Temp Diff} \times 1.08}$$

$\text{Temp Diff} = \frac{\text{BTU Output}}{\text{CFM} \times 1.08}$

$\text{BTU Out} = \text{CFM} \times \text{TD} \times 1.08$

We recommend you download this .pdf to your computer's desktop in order to use the interactive calculation features.