

“What is the 3 Phase Amp Equation?”

$$3 \text{ PHASE AMPS} = \frac{\text{WATTS}}{1.732 \times \text{VOLTAGE}}$$

Equation 1

5,000 watts
240 volts

$$A = \frac{5,000 \text{ watts}}{(1.732 \times 240 \text{ volts})}$$

$$A = \frac{5,000 \text{ watts}}{415.68 \text{ volts}}$$

$$A = 12.03 \text{ amps}$$

Equation 2

12 amps
240 volts

$$12 = \frac{W}{(1.732 \times 240 \text{ volts})}$$

$$(415.68) 12 = \frac{W}{\cancel{415.68 \text{ volts}}} \cancel{(415.68)}$$

$$4988 \text{ watts} = W$$

