

### 3 PHASE FORMULAE

$$K.w = KVA \times \text{Power Factor}$$

$$KW = \frac{\text{hp} \times 746}{1000 \times \text{Efficiency}}$$

$$KW = \frac{\text{Line Amps} \times \text{Line Volts} \times 1.732 \times \text{p.f.}}{1000}$$

$$KVA = \frac{KW}{\text{p.f}}$$

$$KVA = \frac{\text{hp} \times 746}{1000 \times \text{Eff.} \times \text{p.f}}$$

$$KW = \frac{\text{Line Amps} \times \text{Line Volts} \times 1.732}{1000}$$

$$\text{Line Amps} = \frac{KW \times 1000}{\text{Line Volts} \times 1.732 \times \text{p.f.}}$$

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$$\text{Line Amps} = \frac{KW \times 1000 \times \text{Eff.}}{\text{Line Volts} \times 1.732 \times \text{p.f.}}$$

$$\text{h.p.} = \frac{KW \times 1000 \times \text{Eff.}}{\text{Line Volts} \times 1.732 \times \text{p.f.}}$$

$$\text{h.p.} = \frac{KW \times 1000 \times \text{Eff.} \times \text{p.f.}}{\text{Line Volts} \times 1.732 \times \text{p.f.}}$$

$$\text{h.p.} = \frac{\text{Line Amps} \times \text{Line Volts} \times 1.732 \times \text{Eff.} \times \text{p.f.}}{746}$$