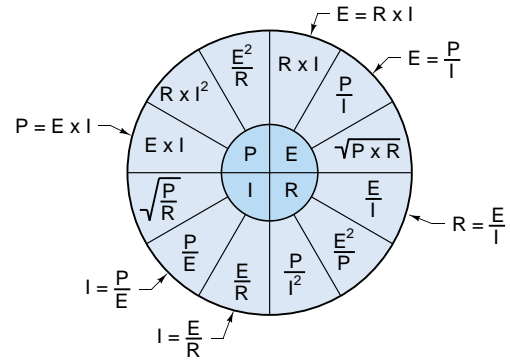


### THREE-PHASE VOLTAGE VALUES

For 208 V × 1.732, use 360  
 For 230 V × 1.732, use 398  
 For 240 V × 1.732, use 416  
 For 440 V × 1.732, use 762  
 For 460 V × 1.732, use 797  
 For 480 V × 1.732, use 831

### POWER FORMULA ABBREVIATIONS AND SYMBOLS

P = Watts	V = Volts
I = Amps	VA = Volt Amps
A = Amps	φ = Phase
R = Ohms	√ = Square Root
E = Volts	



VALUES IN INNER CIRCLE ARE EQUAL TO VALUES IN CORRESPONDING OUTER CIRCLE

### OHM'S LAW AND POWER FORMULA

### POWER FORMULAS – 1φ, 3φ

Phase	To Find	Use Formula	Example		
			Given	Find	Solution
1φ	I	$I = \frac{VA}{V}$	32,000 VA, 240 V	I	$I = \frac{VA}{V}$ $I = \frac{32,000 VA}{240 V}$ <b>I = 133 A</b>
1φ	VA	$VA = I \times V$	100 A, 240 V	VA	$VA = I \times V$ $VA = 100 A \times 240 V$ <b>VA = 24,000 VA</b>
1φ	V	$V = \frac{VA}{I}$	42,000 VA, 350 A	V	$V = \frac{VA}{I}$ $V = \frac{42,000 VA}{350 A}$ <b>V = 120 V</b>
3φ	I	$I = \frac{VA}{V \times \sqrt{3}}$	72,000 VA, 208 V	I	$I = \frac{VA}{V \times \sqrt{3}}$ $I = \frac{72,000 VA}{360}$ <b>I = 200 A</b>
3φ	VA	$VA = I \times V \times \sqrt{3}$	2 A, 240 V	VA	$VA = I \times V \times \sqrt{3}$ $VA = 2 \times 416$ <b>VA = 832 VA</b>