TO OBTAIN	SINGLE PHASE*	THREE PHASE*
Kilowatts	v x l x PF	1.732 x v x l x PF
	1000	1000
kVA	v x I	1.732 x v x 1
	1000	1000
Horsepower required when generator kW is known	kW	kW
(if generator efficiency is unkown use 0.93)	0.746 x Efficiency (Generator)	0.746 x Efficiency (Generator)
kW input when motor HP is known	hp x 0.746	hp x 0.746
(if moror efficiency is unknown use 0.85 x HP)	Efficiency (Motor)	Efficiency (Motor)
Amperes when motor HP known	hp x 746	hp x 747
	v x PF x Efficiency	1.732 x v x PF x Efficiency
Amperes when motor kW known	kW x 1000	kW x 1000
	v x PF	1.732 x v x PF
Amperes when motor kVA known	kVA x 1000	kVA x 1001
	V	1.732 x v