

To determine the right generator for you, use the chart below to give some guidance. As a rule of thumb, Amperage x Voltage = Wattage. If you have 10 Amps and 120 Volts then that would equate to 1200 Watts.

Use the following formula to convert to watts if necessary:

Amps x Volts = Watts (Single Phase - 90% you'll need this calc.)

Amps x Volts x 1.73 = Watts (Three Phase)

Running Watts** = Horsepower x 932 (for many motors)

***** For motors, remember that initial start-up will take from 3x to 6x as much power.**

GENERATOR SELECTION GUIDE

APPLIANCE	Typical Power Requirements		
	QTY	RUNNING WATTAGE	ADDITIONAL STARTING WATTAGE
LIGHTS (multiply by quantity required)			
100W Light Bulbs		100	0
50W Light Bulbs		50	0
Flourescent PL60		16	24
Flourescent (per 48" tube)		40	50
Flourescent efficient (per 48" tube)		32	48
Furnace Fan (select only one)			
1/4 horsepower		600	1000
1/6 horsepower		500	750
1/8 horsepower		300	500
2/5 horsepower		700	1400
3/5 horsepower		875	2350
96" Electric Baseboard heater		2500	0
48" Electric Baseboard heater		1000	0
24" Electric Baseboard heater		500	0
Electric Blanket		200 - 400	0
Heat and Light SUB-TOTAL			

Infrastructure		
Air Conditioner 1 Ton	2000	4000
Air Conditioner 2 Ton	3000	6000
Air Conditioner 3 Ton	4500	9000
Alarm Clock	2 - 4	0
Battery Charger NiCad	4	0
Car Battery Charger (10A)	1200	0
Ceiling Fan	10 - 40	50
Clothes Dryer - motor only	500	1500
Electric Water - Electric Heat	4000	0
Garage Door Opener - 1/3HP	725	1400
Garage Door Opener - 1/4HP	550	1100
Hair Dryer	1000	1500
Hot Water - Propane or LPG fuel	300 - 400	0
Sewing Machine	80	400
Sump Pump - 1/2 hp	1050	2150
Sump Pump - 1/3 hp	800	1300
Telephone with answering	10	0
Vacuum Cleaner	650	1950
Ventilator Fan	60	100
Washing machine	800	1600
Well Pump - 1/2 hp	1000	2100
Well Pump - 1/3 hp	750	1400
Window Air Conditioner (room size)	2000	4000
Hot Water - Propane or LPG fuel	300 - 4000	0
Iron	200 - 400	0
Infrastructure SUB-TOTAL		
KITCHEN		
Blender	350	1050
Coffee Grinder	150	200
Coffee Maker	850	0
Dish Washer - Cool Dry	700	1400
Dish Washer - Hot Dry	1400	1500
Electric Range 6-in. element	1500	0

Electric Range 8-in. element	2100	0
Electric Skillet	1500	0
Food Processor	400	1200
Microwave (750W)	750	800
Refrigerator (Large or inefficient)	1400	2000
Refrigerator (small or efficient)	600	750
Toaster 2-slice	1100	0
Blender	300	450
Garbage Disposal	450	550
Kitchen SUB-TOTAL		
Entertainment		
Computer, modem and monitor	450	0
Computer	30 - 150	
Computer Printer	30 - 120	360
Computer Modem	6	0
Computer - Network Hub	4	0
Electric Clock or Timer	3	0
FAX machine	25	50
Radio	25	0
Satellite Dish	30 - 75	0
System - Entertainment	30 - 150	0
Television - Color	350 - 450	0
VCR / DVD	50	0
VHF Radio	12	0
Entertainment SUB-TOTAL		
Shaver		
Shaver	15	
Water Pik	100	
Blow Dryer	1000 - 1500	
TOTAL		