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## Guidelines for Selecting the Right Size Generator for Your Application

1.) Total the wattages of all small appliances, tools and light bulbs to be operated at the same time. Most appliances have labels showing wattage (if volts and amps are given: Volts X Amps = Wattage). For example, you may wish to operate the following equipment:

Electric Heater	1,000 Watts
(5) 100-Watt Lightbulbs	500 Watts
Total	<b>1,500 Watts</b>

2.) Determine the volt-amperes (wattage) requirement of electric motors to be operated (e.g. furnace blower motor), remembering that starting requires **2 to 3 times** the nameplate or running (rated) watts. Thus, if running watts of the motor is 600, multiply the number by 3 to determine maximum watts.

Nameplate Rating (Running) = 600 Watts
Starting = 600 X 3 = <b>1,800 Watts</b>

3.) Total watts in Step 1 and 2 to get total requirements:

	<u>Running</u>	<u>Starting</u>	<u>Total</u>
Step 1	1,500 W	1,500 W	1,500 W
Step 2	+600 W	+1,800 W	<u>+1,500 W</u>
			3,300 W
Optional + 25%			<u>825</u>
			<b>4,125 Watts</b>

See performance data charts at bottom of each generator listing for unit that meets your total load criteria. For example, a generator that provides at least 4,400 Watts meets the load required by the example above.

## Electric Generator Use Chart

<b>APPLIANCE</b>	<b>WATTS*</b>
Radio	50
Light Bulb	100
12V DC Battery	120
Slow Cooker	200
¼" Hand Drill	250
Color Television	300
Hedge Trimmer	450
Weed Trimmer	500
3/8" Hand Drill	500
Deep Freeze	500
Refrigerator	600
1/3 H.P. Airless Sprayer	600
Sump Pump	600
Microwave Oven	700
Coffee Maker	1,000
6-1/2" Circular Saw	1,000
Chain Saw	1,200
1/3 H.P. Furnace Fan	1,200
Electric Skillet	1,250
1 Element Electric Range	1,500
12,000 BTU Air Conditioner	3,250
1 H.P. Submersible Pump	4,000
1 H.P. Air compressor	4,000

*\*The wattage ratings given are averages.  
Check your equipment for exact wattage.*