# Generator Sizing Considerations

This information is general and should be used as a guide only. Please check with your generator sales representative, manufacturer, contractor or electrician to find a generator that will meet your home needs safely and effectively.

**Instructions for calculating your power needs:**

1. Select items from the "Reference Guide" section that you would like to power at the same time and fill in the corresponding "Running Watts" and "Additional Starting Watts" in the “Calculate Your Power Needs" section.

2. Total the running watts in the “Calculate Your Power Needs" section.

3. Select the item with the highest additional starting watts in the “Calculate Your Power Needs" section. Add this number to "Total Running Watts" and enter it in the "Total Starting Watts" box.

## Reference Guide

| Tool or Appliance | Typical Running Watts | Additional Starting Watts |
|---|---|---|
| Light Bulb LED - 15 Watt | 15 | |
| Light Bulb - 60 Watt | 60 | |
| Light Bulb - 75 Watt | 75 | |
| Microwave Oven - 625 Watts | 625 | |
| Microwave Oven - 1,000 Watts | 1,000 | |
| Toaster Oven | 1,200 | |
| Toaster | 850 | |
| Refrigerator/Freezer | 700 | 2,200 |
| Coffee Maker | 1,000 | |
| Color TV | 400 | |
| AM/FM Radio | 100 | |
| Cell Phone Battery Charger | 20 | |
| Laptop | 60 | |
| Computer with Monitor | 800 | |
| Sump Pump - 1/3 HP | 800 | 1,300 |
| Sump Pump - 1/2 HP | 1,050 | 2,200 |
| Water Well Pump - 1/3 HP | 1,000 | 2,000 |
| Electric Water Heater | 4,500 | |
| Space Heater | 1,500 | |
| Furnace Fan Blower - 1/3 HP | 700 | 1,400 |
| Window AC - 12,000 BTU | 3,250 | 3,950 |

## Calculate Your Power Needs

| Tool or Appliance | Typical Running Watts | Additional Starting Watts |
|---|---|---|
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| | | |
| Total Running Watts | | |
| | + | |
| Highest Starting Watts | | |
| | = | |
| Total Starting Watts | | |
| | | |

I need a generator that produces at least
_____ total running watts and
_____ total starting watts.

EWEB