## Estimating Power Needs: Portable Transformers

The more watts your portable transformer produces, the more items you can power at the same time. The wattage reference chart (see right) contains examples of what you can power with a portable transformer. Use the chart and the following steps to help you determine how powerful your portable transformer should be.

Select items from the chart that you would like to power at the same time. Fill in the TOOL OR APPLIANCE and RUNNING WATTS requirements in the "Your Power Needs" Section.
2 Total the RUNNING WATTS of the items you wish to power at one time. Enter this number in the TOTAL RUNNING WATTS box.
(3) Identify the ONE INDIVIDUAL ITEM on your list with the highest number of Running Watts. Enter this into the HIGHEST LISTED WATTS. When you figure out the HIGHEST LISTED WATTS, that's how you'll know the size of the transformer you'll need. Use one item at a time.

| Tool or Appliance | Running (Rated) Watts |  |
| :---: | :---: | :---: |
| 1. Refrigerator/Freezer |  | 700 |
| 2. 1/2 HP Furnace Fan |  | 800 |
| 3. Deep Freezer |  | 500 |
| 4. Television |  | 500 |
| 5. Lights ( $6 \times 75$ watts) |  | 450 |
| Although your totoal running watts are 2,950 , with this example you will need a transformer that produces only 800 total running watts. | Running Watts | 2950 |
| that produces only 800 total running watts. Every other product listed will work with this | Highest Listed Watts | $800<$ |
| $\begin{aligned} & \text { transformer because the watts of those items } \\ & \text { don't exceed } 800 \text { when running alone. } \end{aligned}$ | $\xrightarrow{\text { Voltage }}$ (tormer Needed | 800 |

## Your Power Needs:

(PLEASE CHECK HOW MANY WATTS YOUR APPLIANCE NEEDS)

| Tool or Appliance | Running <br> (Rated) Watts |
| :--- | ---: |
| 1. |  |
| 2. |  |
| 3. |  |
| 4. |  |
| 5. |  |
| 6. |  |
| 7. |  |
| 8. | Total <br> Running Watts <br> Highest <br> Listed Watts |
| 9. | Voltage |
| 10. |  |

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| Tool or Appliance | Example Of Running Watts (watts varry to change) |
| :---: | :---: |
| HOME |  |
| Essentials |  |
| Light Bulb - 60 Watt | 60 |
| Light Bulb-75 Watt | 75 |
| Deep Freezer | 500 |
| Sump Pump 1/3 HP | 800 |
| Well Pump 1/2 HP | 1000 |
| Electric Water Heater | 4000 |
| Heating/Cooling |  |
| Space Heater | 1800 |
| Humidifier - 13 Gallons | 175 |
| Furnace Fan Blower - 1/2 HP | 800 |
| Furnace Fan Blower -1/3 HP | 700 |
| Window A/C, 10,000 BTU | 1200 |
| Window A/C, 12,000 BTU | 3250 |
| Central A/C, 10,000 BTU | 1500 |
| Central A/C, 24,000 BTU | 3800 |
| Heat Pump | 4700 |
| Laundry Room |  |
| Iron | 1200 |
| Washing Machine | 1150 |
| Clothes Dryer - Electric | 5400 |
| Clothes Dryer - Gas | 700 |
| Kitchen |  |
| Refrigerator/Freezer | 700 |
| Microwave Oven - 625 Watts | 625 |
| Microwave Oven - 1000 Watts | 1000 |
| Coffee Maker | 1000 |
| Electric Stove - 8" Element | 2100 |
| Dishwasher - Hot/Dry | 1500 |
| Food Processor | 400 |
| Toaster Oven | 1200 |
| Toaster | 850 |
| Electric Can Opener | 168 |
| Family Room |  |
| Laptop | 20-75 |
| Stereo | 30-100 |
| Color TV-32" LED/LCD | 50 |
| Video Game System | 40-140 |
| Other |  |
| Security System | 500 |
| Ipad/Tablet | 10-20 |
| Hair Dryer - 1250 Watts | 1250 |
| Curling Iron | 1500 |
| WORK |  |
| DIY/Jobstite |  |
| Quartz Halogen Work Light | 1000 |
| Airless Sprayer - 1/3 HP | 600 |
| Reciprocating Saw | 960 |
| Electric Drill - 3/8", 4 Amps | 440 |
| Electric Drill - 1/2", 5.4 Amps | 600 |
| Circular Saw - 71/4" | 1400 |
| Belt Sander | 1200 |
| Air Compressor 1/4 HP | 975 |
| Air Compressor 1 HP | 1600 |
| Office Equipment |  |
| Computer w/ 17" Monitor | 200-400 |
| Fax Machine | 65 |
| Laser Printer | 500-1000 |
| Copy Machine | 1600 |
| PLAY |  |
| Tailgating / Camping |  |
| Electric Skillet | 1500 |
| AM/FM Radio | 10 |
| CD/DVD Player | 15 |
| Box Fan | 200 |

