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.

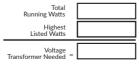
- 1 Select items from the chart that you would like to power at the same time. Fill in the TOOL OR APPLIANCE and RUNNING WATTS requirements in the "Your Power Needs" Section.
- 2 Total the RUNNING WATTS of the items you wish to power at one time. Enter this number in the TOTAL RUNNING WATTS box.
- 3 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.

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 x 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. Every other product listed will work with this transformer because the watts of those items don't exceed 800 when running alone.	Rur	Total ining Watts	2950
		Highest isted Watts	800
	Transform	Voltage ner Needed =	800

Your Power Needs:

(PLEASE CHECK HOW MANY WATTS YOUR APPLIANCE NEEDS)

	Tool or Appliance	Running (Rated) Watts
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		





Example Of Running Wa			
Tool or Appliance	(watts varry to change)		
HOME			
Essentials			
Light Bulb - 60 Watt	60		
Light Bulb - 75 Watt	75		
Deep Freezer Sump Pump 1/3 HP	500 800		
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 Central A/C, 10,000 BTU	3250 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 Pofrigorator/Franzor	700		
Refrigerator/Freezer Microwave Oven - 625 Watts	700 625		
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 WORK	1500		
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 Air Compressor 1 HP	975 1600		
Office Equipment	1600		
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 Box Fan	15 200		
DUX FAII			