

# THE LEARNING CENTER

## Portable Generator Sizing Worksheet

Wattage Reference Chart		
Tool or Appliance	Running (Rated) Watts	Additional Starting (Surge) Watts
<b>HOME</b>		
<b>Essentials</b>		
Light Bulb - 60 Watt	60	0
Light Bulb - 75 Watt	75	0
Deep Freezer	500	1500
Sump Pump 1/3 HP	800	1300
Well Pump 1/2 HP	1000	2100
Electric Water Heater	4000	0
<b>Heating / Cooling</b>		
Space Heater	1800	0
Humidifier - 13 Gal	175	0
Furnace Fan Blower - 1/2 HP	800	2350
Furnace Fan Blower - 1/3 HP	700	1400
Window A/C - 10,000 BTU	1200	3600
Window A/C - 12,000 BTU	3250	9750
Central A/C - 10,000 BTU	1500	4500
Central A/C - 24,000 BTU	3800	11400
Heat Pump	4700	4500
<b>Laundry Room</b>		
Washing Machine	1150	2250
Clothes Dryer - Electric	5400	6750
Clothes Dryer - Gas	700	1800
<b>Kitchen</b>		
Refrigerator/Freezer	700	2200
Microwave Oven - 625 Watts	625	0
Microwave Oven - 1000 Watts	1000	0
Coffee Maker	1000	0
Electric Stove - 8 in. Element	2100	0
Dishwasher - Hot Dry	1500	1500
Food Processor	400	0
Toaster Oven	1200	0
Toaster	850	0
<b>Family Room</b>		
VCR	100	0
Stereo Receiver	450	0
Color TV - 27 in.	500	0
Video Game System	40	0
<b>Other</b>		
Security System	500	0
Garage Door Opener - 1/2 HP	875	2350
Hair Dryer - 1250 Watts	1250	0
Curling Iron	1500	0
<b>WORK</b>		
Reciprocating Saw	960	0
Electric Drill - 3/8 in., 4 Amps	440	600
Electric Drill - 1/2 in., 5.4 Amps	600	900
Circular Saw - 7 1/4 in.	1400	2300
Belt Sander	1200	2400
Air Compressor - 1 HP	1600	4500
Computer w/ 17 in. Monitor	800	0
Fax Machine	65	0
Laser Printer	950	0
Copy Machine	1600	0
<b>PLAY</b>		
Electric Grill	1650	0
AM/FM Radio	100	0
CD/DVD Player	100	0
Box Fan	200	0

Customer's Power Needs		
Tool or Appliance	Running (Rated) Watts	Additional Starting (Surge) Watts
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

Total Running Watts:

+  
Highest Starting Watts:

Total Starting Watts:

**GENERAC**<sup>®</sup>