

Wattage Worksheet

This worksheet will help you determine how to choose the right Steele generator for your needs; based on the amount of watts required for starting & running your tools & appliances.

♦ The size of the generator needed will depend on your power requirements. In most cases, a higher-wattage generator will allow you to power more items at once.

3. Select the items you'd like to power at the same time, (using the chart below). Fill in the running watts and additional starting wattage requirements on the "My Power Needs" worksheet
2. Add the "Running Watts" of the items you want to power. Enter these numbers into the "Total Running Watts" box.
1. Select the **one individual item** with the highest number of additional running watts. Take this **one number**, add it to your Total Running Watts, and enter it in the Total Starting Watts box.

EXAMPLE

Tool or Appliance	Running (Rated) Watts	Add'l. Starting (Surge) Watts
1. Refrigerator/Freezer	700	2200
2. 1/2HP Furnace Fan	800	2350
3. Television	500	0
4. Lights (8 x 75 watts)	600	0
5. Microwave	600	0
6		
7		

Total Running Watts =

3200	2350
+	3200
=	5550

The generator needed in this example would have to produce at least:
3200 total running watts and
5550 total starting watts

MY POWER NEEDS

Tool or Appliance	Running (Rated) Watts	Add'l. Starting (Surge) Watts
1		
2		
3		
4		
5		
6		
7		

Total Running Watts =

+	
=	

I need a generator that produces at least:

_____ total running watts &
_____ total starting watts

Wattage Worksheet

Your Wattage Reference Guide:

A guide to how many watts tools & appliances usually require

Tool or Appliance	Running (Rated) Watts	Additional Starting (Surge) Watts	Tool or Appliance	Running (Rated) Watts	Additional Starting (Surge) Watts
Essentials:			Clothes Dryer - Gas	700	1800
Light Bulb - 60 Watt	60	0	Clothes Dryer - Elec.	5400	1350
Light Bulb - 75 Watt	75	0	Kitchen:		
Refrigerator/Freezer	700	2200	Microwave-600 Watts	600	0
Sump Pump - 1/3HP	800	1300	Microwave-1000 Watts	1000	0
Sump Pump - 1/2HP	1050	2200	Coffee Maker	1000	0
Water Well Pump - 1/3HP	1000	2000	Elec. Stove-8" elements	2100	0
Electric Water Heater	4000	0	Dishwasher-Hot Dry	1500	1500
Heating/Cooling			Food Processor	400	0
Space Heater	1800	0	Toaster Oven	1200	0
Humidifier - 13 Gal	175	0	Toaster Oven	850	0
Furnace Fan Blower - 1/2HP	800	2350	Electric Can Opener	168	0
Furnace Fan Blower - 1/3HP	700	1400	Family Room:		
Window AC - 10,000 BTU	1200	3600	VCR	100	0
Window AC - 12,000 BTU	3250	9750	Stereo Receiver	450	0
Central AC - 10,000 BTU	1500	4500	Color TV - 27"	500	0
Central AC - 24,000 BTU	3800	11400	Video Game Players	40	0
Central AC - 40,000 BTU	6000	18000	Other:		
Heat Pump	4700	4500	Security System	500	0
Laundry Room:			1/2HP Garage Door Oper	875	2350
Iron	1200	0	Hair Dryer-1250 Watt	1250	0
Washing Machine	1150	2250	Curling Iron	1500	0
Home Job Site:			Planner/Joiner-6"	1800	1800
Quartz Halogen Work Light, 300	300	0	Table Saw - 10"	2000	2000
Quartz Halogen Work Light, 500	500	0	Belt Sander	1200	2400
Quartz Halogen Work Light, 1000	1000	0	Air Compressor-1/4HP	975	1600
Airless Sprayer - 1/3HP	600	1200	Air Compressor-1 HP	1600	4500
Reciprocating Saw	960	0	Office Equipment:		
Electric Drill-3/8", 4 Amps	440	600	Personal Computer	800	0
Electric Drill-1/2", 5.4 Amps	600	900	Fax Machine	65	900
Hammer Drill	1000	3000	Laser Printer	950	0
Circular Saw - 7 1/4"	1400	2300	Inkjet Printer	80	0
Miter - 10"	1800	1800	Copy Machine	1600	0
Camping/Tailgate Parties			CD/DVD Player	100	0
Electric Grill	1650	0	Box Fan - 20"	200	0
AM/FM Radio	100	0			

How many watts does it require to power basic items in an average house?

Typical homes will require on average, between 5000-7000 watts to run.

What's the difference between running watts and starting watts?

Running or rated watts are the continuous watts needed to keep your items running. Starting or surge watts are the add'l. watts needed for the two or three seconds required to start motor-driven products and appliances like refrigerators, air conditioners or belt sanders. This is the maximum wattage the generator can produce.

What if I can't determine the running or the starting watts required for a tool or appliance?

If the running watts are not listed on the tool or appliance, try estimating the required watts using the following equation: **WATTS = VOLTS X AMPS**. Only motor-driven appliances and tools require add'l. starting watts.

The add'l. starting watts required may be estimated at 2-3 times the running/rated watts.

The above chart is only for estimated watts. Please check the owner's manual for exact wattage requirements.