

How much generator **POWER** do you need?

To select a generator that has enough power output in watts, add the wattage for the items you want to simultaneously run. Tools and appliances with induction motors may require 3-7 times the listed wattage when starting. All data listed is approximate - check your tool/appliance for specific wattage requirements.

Household		
Appliance	Starting Watts	Running Watts
Dishwasher Cool Dry	1,400	700
Electric Range 6-inch element	0	1,500
Microwave Oven (625 Watts)	800	625
Refrigerator or Freezer	2,200	700
Automatic Washer	2,300	1,150
Clothes Dryer Gas	1,800	1,800
Electric	700	5,750
Garage Door Opener 1/4 HP	1,100	550
Furnace Fan, gas or fuel oil 1/4 HP	1,000	600
Lights	0	As Indicated
Radio	0	50-200
Well Pump 1/3 HP	1,400	750
Sump Pump 1/3 HP	1,300	800
Central Air Conditional 20,000 BTU	3,300	2,500

Contractor Tools		
Tool	Starting Watts	Running Watts
Handrill 1/2 inch	350	350
Circular Saw 8-1/4 inch	1,400	1,400
Table Saw 10 inch	6,300	1,800
Band Saw 14 inch	2,500	1,800
Air Compressor 1-1/2 HP	8,200	2,200
Electric Chain Saw 2 HP, 14 in.	1,100	1,100
Plasma Cutter 27 amp, 230 volt, 3/8 in. cut	3,500	3,500
Millermatic® 210 MIG Welder 30 - 210 amps, 230 volt	6,500	6,500
Flood Lights Vapor	1,250	1,000
Submersible Pump (400 gph)	600	200
Centrifugal Pump (900 gph)	900	500
High Pressure Washer 1 HP	6,100	1,600
Wet Dry Vac (1.7 HP)	900	900

Farm Equipment		
Machine	Starting Watts	Running Watts
Portable Conveyor (1/2 HP)	3,400	1,000
Milker - Vacuum Pump (2 HP)	10,500	2,800
Farm Duty Motors (e.g. Conveyors, Feed Augers, Air Compressors, Etc.) 1-1/2 HP	8,200	2,200
Washer (2 gal/min) 550 PSI	4,500	1,400

Industrial Motors		
Motor	Starting Watts	Running Watts
Split Phase 1/2 HP	3,175	875
Capacitor Start - Induction Run 1-1/2 HP	8,200	2,200
Capacitor Start - Capacitor Run 1-1/2 HP	8,100	2,000
Fan 1/2 HP	3,500	1,100