



# SALES INFORMATION

## GENERATOR SIZING CHART

**Amps x Volts = Watts**

HOUSEHOLD APPLICATIONS	WATTAGE REQUIREMENTS*		CONSTRUCTION APPLICATIONS	WATTAGE REQUIREMENTS*	
	Starting	Running		STARTING	RUNNING
**Air Conditioner	3600	1300	Air Compressor 1/2hp	2000	1000
Amplifier	—	200	Air Compressor 1 hp	4500	1500
Barbecue	—	25	Air Compressor 1 1/2 hp	6000	2200
Broiler	—	1400	Air Compressor 2 hp	7700	2800
Blender	300	200	Concrete Vibrator - 3/4 hp	1900	850
Clothes Dryer (gas)	850	400	Concrete Vibrator - 1 hp	2500	1100
Clothes Dryer (electric)	5700	5200	Concrete Vibrator - 2 hp	3600	1800
Computer	—	200	Concrete Vibrator - 3 hp	4800	2400
Computer Printer	—	300	Chain Saw -12", 1.5hp	—	900
Coffee Maker	—	1000	Chain Saw - 14", 2.0 hp	—	1200
Dehumidifier	350	250	Cultivator - 1/3hp	700	1400
Edge Trimmer 1/2"	1000	850	Drill - 1/4 "	400	300
Electric Blanket	—	200	Drill - 3/8"	650	475
Electric Range (per element)	—	1250	Drill - 1/2 "	900	750
Electric Skillet	—	1200	Drill - 1"	1250	1000
Fan	135	100	Floodlight	—	1000
Fan (attic)	450	375	Heat (radiant, portable)	—	1300
Fan (furnace)	300	200	Heater (liquid fuel) - 50,000 BTU	675	225
Fan (window)	300	200	Heater (liquid fuel) - 100,000 BTU	1260	420
Freezer	1200	325	Heater (liquid fuel) - 150,000 BTU	1875	625
Food Processor	450	300	Impact Wrenches - 1/2"	750	600
Heating Pad	—	65	Impact Wrenches - 3/4"	900	750
Heat Lamp (infrared)	—	250	Impact Wrenches - 1"	1400	1200
Hedge Clipper	200	120	Mixer, 3-1/2 Cubic Feet	2300	1000
Hedge Trimmer	600	450	Pressure Washer - 1 hp	3600	1200
Hot Plate (per element)	—	1250	Pressure Washer - 1.5 hp	4300	1450
Humidifier	—	70	Rebar Cutter - 1-inch	—	2800
Iron	125	90	Sander, Belt	2600	1200
Juicer	125	90	Sander, Disc	2600	1200
Lawnmower	2500	1200	Sander, Orbital	2600	1200
Lights (as indicated on bulb)	-	-	Saw, 6" Circular	2200	950
Lights, Fluorescent (at stated on ballast)	-	-	Saw, 7-1/4" Circular	2600	1200
Mixer (food)	300	200	Saw, 8-1/2" Circular	3000	1500
Radio	—	125	Saw, 10" Circular	3900	2000
Recorder	—	40	Saw, Jig	400	300
Refrigerator	1200	330	Saw, Cutoff	3500	2500
Television (Color)	—	300	**Sump Pump	1300	400
Toaster	—	1000	**Sump Pump	1300	400
Vacuum Cleaner	—	500	**Sub Pump - 1/3 hp 115V	4000	690
Vaporizer	—	75	**Sub Pump - 1/2 hp 115V	4715	920
Washing Machine	1700	375	**Sub Pump - 1 hp 115V	7500	1440
Weed Cutter	600	500	**Sub Pump - 1 hp 230V	7200	715

\*Estimated

\*\*These items usually require slightly higher starting amperage.

### The 1-2-3 Method for Generator Sizing

- Resistance loads** - For lights, heaters and similar appliances total the running wattage and multiply it by 1. *Example: 30 light bulbs @100W each is equal to 3.0kW—use a 3.6kW generator.*
- Small motors** - For drills and other small power tools simply total the running wattage and multiply by 2. *Example: A 1" drill runs at 1kW, use a 2.5kW generator.*
- Large motors** - For submersible pumps, table saws or grinders total the running wattage and multiply by 3. *Example: A submersible pump runs at 1500 watts—use a 6kW generator.*