

# THE RIGHT WATTAGE

*for the right amount of power*

$$\text{WATTS} \div \text{AMPS} = \text{VOLTS}$$

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$$\text{VOLTS} \times \text{AMPS} = \text{WATTS}$$

## HOME

	APPROXIMATE RUNNING WATTAGE REQUIRED	APPROXIMATE REQUIREMENTS FOR STARTING
Coffee Maker	1750	1750
Dishwasher	1450	1800
Electric Fry Pan	1300	1300
Electric Range		
6-inch element	1500	1500
8-inch element	2100	2100
Microwave Oven, 625 watts	625	800
Toaster		
2-slice	1050	1050
4-slice	1650	1650
Electric Blanket (queen size)	800	800
Refrigerator or Freezer	700	2200
20" Box Fan or Table Fan	120	180
Lights (as indicated on bulb)	(-)	(-)
Automatic Washer	1150	2300
Clothes Dryer		
Gas	700	1800
Electric	5750	1800
Dehumidifier	650	800
Furnace Fan, gas or fuel oil		
1/8 Horsepower	500	1000
1/6 Horsepower	750	1500
1/4 Horsepower	900	1800
1/3 Horsepower	1000	1800
1/2 Horsepower	1200	2500
Sump Pump		
1/3 Horsepower	750	1500
1/2 Horsepower	1000	2100
1 Horsepower	2300	4500
Hair dryers	300 - 1500	300 - 1500
Clothes iron	1200	1200
Room Air Conditioner		
10,000 BTU	1500	2200
Central Air Conditioner		
10,000 BTU	1500	2200
20,000 BTU	2500	3300
24,000 BTU	3800	4950
40,000 BTU	6000	7800

## PLAY

	APPROXIMATE RUNNING WATTAGE REQUIRED	APPROXIMATE REQUIREMENTS FOR STARTING
Radio	50 - 200	50 - 200
Television - Colour	300	300
VCR	50	50
Laptop	200 to 250	200 to 250
Computer	150	150
Modem	25	25
Monitor		
Tube type	200 to 250	200 to 250
LCD	30	30
Printer	100	100
RV Air Conditioner		
13,500 BTU	1800	2800
Vacuum Cleaner		
upright	800	1100
canister	1100	1500
Garage Door Opener		
1/4 hp	550	1100
1/3 hp	725	1400

## WORK

	APPROXIMATE RUNNING WATTAGE REQUIRED	APPROXIMATE REQUIREMENTS FOR STARTING
Air Compressor		
1/2 hp	1000	2000
1 hp	1500	4500
1 1/2 hp	2200	6000
2 hp	2800	7700
Bench Grinder		
6-inch	720	1000
8-inch	1400	2500
10-inch	1600	3600
Electric cultivator - 1/3 hp	700	1400
Electric hedge trimmer - 18 inch	400	550
Electric grass trimmer	500	650
Drum mixer, 1/4 hp	700	1400
Flood lights, mercury halogen	1000	1000

## WORK

	APPROXIMATE RUNNING WATTAGE REQUIRED	APPROXIMATE REQUIREMENTS FOR STARTING
Floor Polisher		
16-inch, 3/4 hp	1400	3100
20-inch, 1 hp	1600	4500
Power Hand Drill		
1/4 inch	350	350
3/8 inch	400	400
1/2 inch	600	600
Submersible		
Water Pump 400 gp	200	400
Centrifugal Type	500	650
Wet/ Dry Vacuum		
1.7 hp	900	900
2.5 hp	1300	1300
Saws		
Worm drive (chop saw)	1800	2600
Band saw	1100	1400
Circular Saw		
6 1/2 inch	800	1200
7 1/4 inch	1400	2300
8 1/4 inch	1800	3000
Electric Chain Saw		
12-inch, 1 1/2 hp	900	1100
14-inch, 2 hp	1100	1400
Table Saw		
1.7 hp	1500	3000
2.5 hp	1800	4500
Electric Welders		
70-amp	2800	2800
100-amp	3600	3600
200-amp	9000	9000
Kango Hammer	900	1200
Farm Equipment		
Electric fence(40 km/25 miles)	250	250
Stock tank de-icer	1000	1000
Grain cleaner	650	1000
Portable conveyer, 1/2 hp	1000	2400
Grain elevator, 3/4 hp	1400	3000
Milk cooler	1100	2300
Mixer, 3 1/2 cubic feet, 3/4 hp	2800	7700
Milking machine, 2 hp	1000	2300

NOTE: Check your equipment or appliance for actual wattage requirements.