

Wattage Reference Guide

| TOOL or APPLIANCE | Running (Rated) Watts | Additional Starting Watts |
|-------------------|--------------------------|------------------------------|
|-------------------|--------------------------|------------------------------|

HOME

Essentials:

| | | |
|--------------------------------|------------------|------|
| Electric Water Heater | 4000 | 0 |
| Freezer | 600 – 1000 | 2200 |
| Light Bulb – 60 Watts | 60 | 0 |
| Light Bulb – 75 Watts | 75 | 0 |
| Refrigerator | 400 – 800 | 2200 |
| Sump Pump – 1/3 HP | 800 | 1300 |
| Sump Pump – 1/2 HP | 1050 | 2200 |
| Water Well Pump – 1/3 HP | 1000 | 2000 |

Heating / Cooling:

| | | |
|------------------------------------|------------|------|
| Central AC Unit – 10,000 BTU | 1500 | 2200 |
| Central AC Unit – 20,000 BTU | 2500 | 3300 |
| Central AC Unit – 24,000 BTU | 3800 | 4950 |
| Central AC Unit – 32,000 BTU | 5000 | 6500 |
| Central AC Unit – 48,000 BTU | 6000 | 7800 |
| Furnace Fan Blower – 1/8 HP | 300 | 500 |
| Furnace Fan Blower – 1/6 HP | 500 | 750 |
| Furnace Fan Blower – 1/4 HP | 600 | 1000 |
| Furnace Fan Blower – 1/3 HP | 700 | 1400 |
| Furnace Fan Blower – 1/2 HP | 875 | 2350 |
| Heat Pump | 4700 | 4500 |
| Humidifier – 13 Gallons | 175 | 0 |
| Space / Wall Heater | 1800 | 0 |
| Window AC Unit – 10,000 BTU | 1200 | 1800 |
| Window AC Unit – 12,000 BTU | 3250 | 3950 |

Laundry Room:

| | | |
|--------------------------------|------------------|------|
| Clothes Dryer – Electric | 5400 | 1350 |
| Clothes Dryer – Gas | 700 | 1800 |
| Dehumidifier | 650 | 800 |
| Hair Dryer | 300 – 1200 | 0 |

| | | |
|--------------------------------|------------|------|
| Iron..... | 1200 | 0 |
| Vacuum Cleaner, Standard | 800 | 0 |
| Vacuum Cleaner, Deluxe..... | 1100 | 0 |
| Washing Machine..... | 1150 | 2250 |

Kitchen:

| | | |
|-----------------------------------|------------------|-------------|
| Coffee Maker | 1000 | 0 |
| Dishwasher – Cool Dry | 700 | 1400 |
| Dishwasher – Hot Dry..... | 1500 | 1500 |
| Disposal – 1 HP Motor | 800 – 1000 | 2200 – 4000 |
| Disposal – 3/4 HP Motor | 850 | 2000 – 2600 |
| Disposal – 1/2 HP Motor | 500 – 650 | 2300 |
| Disposal – 1/3 HP Motor | 400 – 500 | 2000 |
| Electric Can Opener | 170 | 0 |
| Electric Stove – 6" Element | 1500 | 0 |
| Electric Stove – 8" Element | 2100 | 0 |
| Fan..... | 200 | 200 |
| Food Processor | 400 | 0 |
| Freezer | 600 – 1000 | 2200 |
| Frying Pan..... | 1300 | 0 |
| Microwave Oven – 625 Watt..... | 625 | 800 |
| Microwave Oven – 1000 Watt | 1000 | 1400 |
| Refrigerator | 400 – 800 | 2200 |
| Toaster..... | 850 | 0 |
| Toaster Oven..... | 1200 | 0 |
| Trash Compactor – 1/3 Motor | 400 – 800 | 1200 – 2000 |

Family Room / Great Room:

| | | |
|------------------------------------|-----------|---|
| Color TV – 27"..... | 500 | 0 |
| Stereo Receiver | 450 | 0 |
| VCR / DVD Player | 100 | 0 |
| X-Box, Game Cube, PlayStation..... | 740 | 0 |

Other:

| | | |
|---------------------------------|-----------|------|
| 1/4 HP Garage Door Opener | 300 | 1000 |
| 1/3 HP Garage Door Opener | 725 | 1400 |
| 1/2 HP Garage Door Opener | 875 | 2350 |

| | | |
|-----------------------------|-----------|---|
| Curling Iron..... | 1500..... | 0 |
| Hair Dryer – 1250 Watt..... | 1250..... | 0 |
| Security System..... | 500..... | 0 |

DIY Projects

| | | |
|--------------------------------------|-----------------|-------------|
| 12 Volt DC Battery Charger..... | 120..... | 120 |
| Air Compressor – 1/4 HP..... | 975..... | 1600 |
| Air Compressor – 1 HP..... | 1600..... | 4500 |
| Airless Sprayer – 1/3 HP..... | 600..... | 1200 |
| Band Saw, 14"..... | 1100..... | 1400 |
| Belt Sander..... | 1200..... | 2400 |
| Bench Grinder – 6"..... | 720..... | 1000 |
| Bench Grinder – 8"..... | 1400..... | 2500 |
| Bench Grinder – 10"..... | 1600..... | 3600 |
| Circular Saw – 6 1/4"..... | 800..... | 1200 |
| Circular Saw – 7 1/4"..... | 1400..... | 2300 |
| Circular Saw – 8 1/4"..... | 1800..... | 3000 |
| Chain Saw, Electric – 14"..... | 1200..... | 1500 |
| Drum Mixer, 55 gallons..... | 700..... | 1200 |
| Electric Drill – 3/8", 4 Amps..... | 440..... | 600 |
| Electric Drill – 1/2", 5.4 Amps..... | 600..... | 900 |
| Electric Edger..... | 960..... | 2400 |
| Electric Line Trimmer – 9"..... | 350..... | 0 |
| Electric Line Trimmer – 12"..... | 500..... | 0 |
| Electric Hedge Trimmer..... | 400..... | 0 |
| Hammer Drill..... | 1000..... | 3000 |
| High-pressure Washer, 5/8 HP..... | 900..... | 2700 |
| High-pressure Washer, 1 HP..... | 1200..... | 3600 |
| High-pressure Washer, 1 1/2 HP..... | 1500..... | 4300 |
| High-pressure Washer, 3 HP..... | 3125..... | 9300 |
| Miter Saw..... | 1800..... | 1800 |
| Orbital Sander..... | 600..... | 1800 |
| Paint Sprayer..... | 360..... | 1080 |
| Planer / Jointer..... | 900 – 1800..... | 1800 – 2400 |
| Quartz Halogen Light, – 300..... | 300..... | 0 |
| Quartz Halogen Light, – 500..... | 500..... | 0 |

| | | |
|---------------------------------------|------------|------|
| Quartz Halogen Light, – 1,000 | 1000 | 0 |
| Radio..... | 300..... | 300 |
| Sawzall, Heavy Duty..... | 750..... | 1400 |
| Table Saw / Radial Arm Saw – 10"..... | 2000 | 2000 |
| Wet / Dry Vac, 1.7 HP | 900..... | 0 |
| Wet / Dry Vac, 2.5 HP..... | 1300 | 0 |

Home Office Equipment

| | | |
|--------------------------------------|------------------|---|
| Copy Machine..... | 1400 – 1800..... | 0 |
| Fax Machine..... | 65..... | 0 |
| Inkjet Printer | 80..... | 0 |
| Laser Printer | 900 – 1200..... | 0 |
| Personal Computer w/17" Monitor..... | 800..... | 0 |

The above are estimates only. Check your tool or appliance for exact wattage requirements. The wattage listed in this Wattage Reference Guide are based on estimated wattage requirements. For exact wattages, check the data plate or owner’s manual on the item you wish to power.



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