



## Sustainable Building and Energy Consultants

2477 Maley Drive

Sudbury, ON P3A 4R7

Telephone: 705-690-0624

705-562-0702

Email: hood.johnd@gmail.com

lisk.lesj@gmail.com

## HOW MANY WATTS DO YOU NEED?

**Note:** The wattages given below are estimates. The actual wattage required for your appliances may differ from those listed. Check the nameplate on the appliance to determine the actual wattage required.

**\* Appliances and tools with induction motors (marked \* in tables) may require from 3 to 7 times the listed wattage when starting. The start-up load of the appliance or tool determines whether an inverter has the capability to power it. Be sure to check the specific wattage requirements and operating instructions for appliances / tools to be used.**

### Common Appliances

Appliance	Est. Watts		Appliance	Est. Watts
Coffee pot (10 cup)	1200		VCR	40-60
Coffee pot (4 cup)	650		CD or DVD Player	35
Toaster	800-1500		Stereo	30-100
Cappuccino Maker	1250		Clock Radio	50
Coffee Grinder	100		AM/FM car cassette	8+
Blender	300		Satellite dish	30+
Microwave (600 to 1000 W cooking power)	1100-2000W (elec. consumption)		Vacuum cleaner	300-1100
Waffle iron	1200		Mini Christmas lights (50)	25
Hot plate	1200		Space Heater	1000-1500
Frying pan	1200		Iron	1000
Toaster Oven	1200		Washing machine	920
Blow dryer	900-1500		12" 3 speed table fan	230
Computer			Television	
- laptop	50-75		HD LCD 20"	50
- pc & monitor	200-400		HD LCD - 60	120
- printer-inkjet	60-75		Game Console (X-Box)	100
*Refrigerator/Freezer	600		*Furnace Fan (1/3hp)	1200
*Freezer	500-800			

### Common Tools

Tool	Est. Watts		Appliance	Est. Watts
Jig Saw	300		1/4" drill	250
Band Saw	1200		3/8" drill	500
Table Saw	1800		1/2" drill	750
6 1/2" circ. saw	1000		Shop Vac 5 hp	1000
7 1/4" circ. saw	1200+		*Sabre Saw	500
8 1/4" circ. saw	1800		*Portable Grinder	1380
Disc Sander	1200		*Electric Chain Saw 14"	1200

### Pumps and Air Conditioners

Pump	Running	Starting	Air Conditioner
*Well Pump 1/3 hp	750	1400-3000	*7000 BTU to 10000 BTU Running: 1000-1500. <b>Starting: 2200-5000.</b> (A/C's are a very difficult load because of the high start-up surge. Use the Locked Rotor Amps to determine the start up surge requirement).