

Home power estimator

How Much Electricity Do You Use?

Monitoring

your home power usage can be an important step in saving electricity. Hope Power Monitoring begins with an understanding of the amount of electricity used by household devices.

Survival
Appliances
Rated Watts
Surge
Watts

Incandescent light
bulbs
75
each
75
each

Refrigerator (1/4 HP)
500
2000

Freezer (1/4 HP)
600
1200

Sump Pump
800
2000

Water Pump (1 HP)
1900
5700

Water Pump (2 HP)
2500
7500

Heating

Furnace Fan (1/2 HP)*

875
2300

Electric Blanket

400
400

Space Heater

1800
1800

Heat Pump*

4700
12000

Cooling

Dehumidifier

650
800

Attic Fan*

300
900

Table Fan

800
2000

Window Air Conditioner

1200
4800

Central Air (10k BTU)*

1500
6000

Central Air (24k BTU)*

3800
15000

Central Air (40k BTU)*

6000
24000

Family
Room

Computer System: CPU, Monitor,
Laser Printer

1500
1500

UPS System

2000
2500

CD Player

100
100

VCR

100
100

Radio

100
100

Television

300
300

Receiver

420
420

Kitchen
Rated
Watts

Surge
Watts

Microwave
800
800

Blender
300
900

Coffee Maker
1500
1500

Electric Range (1
element)
1500
1500

Toaster (2-slice)
1000
1600

Dishwasher (Hot Dry)
1500
3000

Electric Oven
3410
3410

Laundry
Room

Iron
1200
1200

Washing Machine
1150
3400

Gas Clothes Dryer
700
2500

Electric Clothes Dryer
5400
6750

Power
Tools

Hand Drill (1/4 inch)
350
350

Hand Drill (1/2 inch)
600
600

Skill Saw (7.25 inch)
1800
2600

Band Saw (14 inch)
1100
1400

Circular Saw (6.5
inch)
800
1400

Sawzall
750
1400

Drills (3/8 inch)
440
600

Contractor

Tools

Air Compressor (1 HP)

1500

4500

High-Pressure Washer (1

HP)

1200

3600

Submersible Pump (400

gph)

200

400

Electric Chainsaw (1/2

HP)

900

900

Electric

Motors

1/6 HP Motor

300

850

1/4 HP Motor

400

1150

1/3 HP Motor

475

1325

1/2 HP Motor

650

1800

3/4 HP Motor

900
2500

1 HP Motor
1000
2800

1-1/2 HP Motor
1700
4800

2 HP Motor
2000
5900

3 HP Motor
3200
9000

5 HP Motor
5000
13750

Other Important
Items

Security System*
500
500

Deep Freezer
500
1000

Hair Dryer
1200
1200

Garage Door Opener (1/3
HP)
750
750

Electric Water Heater*
4000
4000