

Home Energy Use Calculation Guide

Appliance	Average Wattage	Monthly kWh	Your Monthly kWh Estimate
Air Conditioner (window)	1000 (varies)	1 kWh / hour of use	
Air Conditioner (central)	2500-3500 (varies)	2.5 - 3.5 kWh / hour of use	
Attic Fan	370	111	
Automatic Clothes Washer		10 - 20 kWh/ month	
Car Engine Heater	1000	1 kWh / hour of use	
Ceiling Fan	varies	1 - 13	
Clock	4	3	
Clothes Dryer		* kWh / hour of use	
Coffee Maker		*	
Computer		&+	
Dehumidifier		% &	
Dish Washer		0 - 48	
Electric Blanket		&	
Electric Range	12,000	100 - 150	
Electronic Filter	50	36	
Fan, Furnace	500 - 1000	100 - 300	
Fan, Oscillating	88	26	
Fan, Window		%	
Freezer, standard (12-14cu" ft.)	500	100 - 190	
Freezer, frost-free (12-15 cu. ft.)	440	150 -240	
Hand Blender		%	
Frying pan	1200	%	
Garbage disposal	400	2	
Hair dryer	1500	%	
Heater, portable	1500	1.5 kWh / hour of use	
Home lighting (varies)	1400 - 1600	75 - 150	
Humidifier		(%	

Home Energy Use Calculation Guide

Appliance	Average Wattage	Monthly kWh	Your Monthly kWh Estimate
Iron	1500	16	
Microwave	1450	16	
Radio	70	9	
Radio - stereo	110	13	
Refrigerator, standard 12' -16'	265	100 - 120	
Refrigerator, frost-free 16'	475	150 - 230	
Refrigerator, frost-free 20'	540	225 - 275	
Spa / hot tub	varies	190 - 300	
Television (4 hrs / day)	250	30 - 40	
Water heater (standard) (varies with family size)	2500	400	
Water heater (quick recovery) (varies with family size)	4500	500	
Waterbed, king-size @90 deg. Unmade	350	160	
Two blankets	350	130	
Comforter	350	120	
Water pump (varies with depth)	750 - 1000	40	
		Total kWh	

How much does it use?

You can figure the usage of any home appliance if you know its wattage (or amps) and how long you use it. Here are the formulas:

Convert amps to watts: amps x 120 volts = watts

Watts x hours used = watt hours

Watt hours divided by 1,000 = kilowatt hours (kWh)

If you use a 100-watt light bulb for 10 hours you would use 1 kWh