

MONTHLY KILOWATT HOUR CHART

COMPOSITE OF KILOWATT HOUR RATINGS FOR VARIOUS APPLIANCES (Pre-Energy Crisis Estimates)

| Name | Typical Watts | Hrs./ Mo. | KWHRS/ Mo. |
|--------------------------------|------------------|--------------|---------------|
| Air conditioner, central | | | 620* |
| Air conditioner, window | 1566 | 74 | 116* |
| Battery charger | | | 1* |
| Blanket | 190 | 80 | 15† |
| Blanket | 50-200 | | 15† |
| Blender | 350 | 3 | 1† |
| Bottle sterilizer | 500 | | 15 |
| Bottle warmer | 500 | 6 | 3† |
| Broiler | 1436 | 6 | 8.5 |
| Clock | 1-10 | | 1-4† |
| Clothes drier | 4600 | 20 | 92† |
| Clothes drier, electric heat | 4856 | 18 | 8† |
| Clothes drier, gas heat | 325 | 18 | 6† |
| Clothes washer | | | 8.5* |
| Clothes washer, auto. | 250 | 12 | 3† |
| Clothes washer, conventional | 200 | 12 | 2† |
| Clothes washer, auto. | 512 | 17.3 | 9† |
| Clothes washer, ringer | 275 | 15 | 4† |
| Clippers | 40-60 | | 1/2 |
| Coffee maker | 800 | 15 | 12† |
| Coffee maker, twice a day | | | 8* |
| Coffee percolator | 300-600 | | 3-10† |
| Coffee pot | 894 | 10 | 9† |
| Cooling, attic fan | 1/6-3/4 hp | | 60-90†† |
| Cooling, refrigeration | 3/4-1 ton | | 200-500† |
| Corn popper | 460-650 | | 1† |
| Curling iron | 10-20 | | 1/2†— |
| Dehumidifier | 300-500 | | 50* |
| Dishwasher | 1200 | 30 | 36† |
| Dishwasher | 1200 | 25 | 30† |
| Disposal | 375 | 2 | 1* |
| Disposal | 445 | 6 | 3* |
| Drill, electric, 1/4" | 250 | 2 | 5— |
| Elec. baseboard heat | 10,000 | 160 | 1600† |
| Electrocute, insect | 5-250 | | 1* |
| Electronic oven | 3000-7000 | | 100* |
| Fan, attic | 370 | 65 | 24† |
| Fan, kitchen | 250 | 30 | 8† |
| Fan, 8"-16" | 35-210 | | 4-10† |
| Food blender | 200-300 | | 1/2† |
| Food warming tray | 350 | 20* | 7* |
| Footwarmer | 50-100 | | 1† |
| Floor polisher | 200-400 | | 1* |
| Freezer, food, 5-30 c.ft. | 300-800 | | 30-125† |
| Freezer, ice cream | 50-300 | | 1/2 |
| Freezer | 350 | 90 | 32* |
| Freezer, 15 cu. ft. | 440 | 330 | 145* |
| Freezer, 14 cu. ft. | | | 140* |
| Freezer, frost free | 440 | 180 | 57* |
| Fryer, cooker | 1000-1500 | | 5† |
| Fryer, deep fat | 1500 | 4 | 6† |
| Frying pan | 1196 | 12 | 15† |
| Furnace, elec. control | 10-30 | | 10* |
| Furnace, oil burner | 100-300 | | 25-40* |
| Furnace, blower | 500-700 | | 25-100† |
| Furnace, stoker | 250-600 | | 3-60† |
| Furnace, fan | | | 32† |
| Garbage disposal equipment | 1/4-1/3 HP | | 1/2* |
| Griddle | 450-1000 | | 5† |
| Grill | 650-1300 | | 5† |
| Hair drier | 200-1200 | | 1/2-6† |
| Hair drier | 400 | 5 | 2† |
| Heat lamp | 125-250 | | 2† |
| Heater, aux. | 1320 | 30 | 40† |
| Heater, portable | 660-2000 | | 15-30†* |
| Heating pad | 25-150 | | 1† |
| Heating pad | 65 | 10 | 1† |
| Heat lamp | 250 | 10 | 3† |
| Hi Fi Stereo | | | 9† |
| Hot plate | 500-1650 | | 7-30†* |
| House heating | 8000-15,000 | | 1000-2500† |
| Humidifier | 500 | | 5-15* |
| Iron | 1100 | 12 | 13† |
| Iron | | | 12† |
| Iron, 16 hrs./month | | | 13† |
| Ironer | 1500 | 12 | 18† |
| Knife sharpener | 125 | | 1/4* |
| Lawnmower | 1000 | 8 | 8† |
| Lighting | 5-300 | | 10-40— |
| Lights, 6 room house in winter | | | 60— |
| Light bulb, 75 | 75 | 120 | 9— |
| Light bulb, 40 | 40 | 120 | 4.8— |

| | | | |
|----------------------------------|-----------|-----|----------|
| Mixer | 125 | 6 | 1+* |
| Mixer, food | 50-200 | | 1+* |
| Movie projector | 300-1000 | | |
| Oil burner | 500 | 100 | 50* |
| Oil burner | | | 50* |
| Oil burner, 1/8 HP | 250 | 64 | 16* |
| Pasteurizer, 1/2 gal. | 1500 | | 10-40† |
| Polisher | 350 | 6 | 2+ |
| Post light, dusk to dawn | | | 35— |
| Power tools | | | 3— |
| Projector | 500 | 4 | 2† |
| Pump, water | 450 | 44 | 20† |
| Pump, well | | | 20† |
| Radio | | | 8* |
| Radio, console | 100-300 | | 5-15* |
| Radio, table | 40-100 | | 5-10* |
| Range | 8500-1600 | | 100-150† |
| Range, 4 person family | | | 100† |
| Record player | 75-100 | | 1-5* |
| Record player, transistor | 60 | 50 | 3* |
| Record player, tube | 150 | 50 | 7.5* |
| Recorder, tape | 100 | 10 | 1*† |
| Refrigerator | 200-300 | | 25-30†* |
| Refrigerator, conventional | | | 83†* |
| Refrigerator-freezer | 200 | 150 | 30†* |
| Refrigerator-freezer, 14 cu. ft. | 326 | 290 | 95†* |
| Refrigerator-freezer, frost free | 360 | 500 | 180† |
| Roaster | 1320 | 30 | 40* |
| Rotisserie | 1400 | 30 | 42* |
| Sauce pan | 300-1400 | | 2-10† |
| Sewing machine | 30-100 | | 1/2-2— |
| Sewing machine | 100 | 10 | 1— |
| Shaver | 12 | | 1/10—° |
| Skillet | 1000-1350 | | 5-20† |
| Skil Saw | 1000 | 6 | 6— |
| Sunlamp | 400 | 10 | 4— |
| Sunlamp | 279 | 5.4 | 1.5— |
| Television | 200-315 | | 15-30†* |
| TV, BW | 200 | 120 | 24†* |
| TV, BW | 237 | 110 | 25†* |
| TV, color | 350 | 120 | 42†* |
| TV, color | | | 100†* |
| Toaster | 1150 | 4 | 5†* |
| Typewriter | 30 | 15 | .5* |
| Vacuum cleaner | 600 | 10 | 6— |
| Vacuum cleaner, 1 hr/wk | | | 4— |
| Vaporizer | 200-500 | | 2-5† |
| Waffle iron | 550-1300 | | 1-2† |
| Washing machine | | | 9† |
| Washing machine, 12 hrs/mo | | | 3-8† |
| Washer, automatic | 300-700 | | 2-4† |
| Washer, conventional | 100-400 | | 2-4† |
| Water heater | 4474 | 89 | 400† |
| Water heater | 1200-7000 | | 200-300† |
| Water pump (shallow) | 1/2 HP | | 5-20† |
| Water pump (deep) | 1/3-1 HP | | 10-60† |

AT THE BARN

| Name | Capacity HP or watts | Est. KWHR |
|--------------------|-------------------------|-----------------------------|
| Barn cleaner | 2-5 HP | 120/yr.† |
| Clipping | fractional | 1/10 per hr.* |
| Corn, ear crushing | 1-5 HP | 5 per ton* |
| Corn, ear shelling | 1/4-2 | 1 per ton† |
| Electric fence | 7-10 watts | 7 per mo.*†† |
| Ensilage blowing | 3-5 | 1/2 per ton† |
| Feed grinding | 1-7½ | ½-1½ per 100 lbs.† |
| Feed mixing | 1/2-1 | 1 per ton† |
| Grain cleaning | 1/4-1/2 | 1 per ton but |
| Grain drying | 1-7½ | 5-7 per ton† |
| Grain elevating | 1/4-5 | 4 per 1000 but |
| Hay-curing | 3-7½ | 60 per ton† |
| Hay hoisting | 1/2-1 | 1/3 per ton† |
| Milking, portable | 1/4-1/2 | 1½ per cow/mo.† |
| Milking, pipeline | 1/2-3 | 2½ per cow/mo.† |
| Sheep shearing | fractional | 1½ per sheep— |
| Silo unloader | 2-5 HP | 4-8 per ton† |
| Silage conveyor | 1-3 HP | 1-4 per ton† |
| Stock tan heater | 200-1500 watts varies | widely† |
| Yard lights | 100-500 watts | 10 per mo†— |
| Ventilation | 1/6-1/3 HP | 2-6 per day† per 20 cows |

IN THE MILKHOUSE

| | | |
|--------------|-----------|-----------------------|
| Milk cooling | 1/2-5 HP | 1 per 1000 lbs. milk† |
| Space heater | 1000-3000 | 800 per year†* |

| | | |
|-----------------|------------|----------------|
| Ventilating fan | fractional | 10-25 per mo.† |
| Water heater | 1000-5000 | 1 per 4 gal.† |

FOR POULTRY

| | | |
|-------------------------|----------------|---------------------------------------------------|
| Automatic feeder | 1/4-1/2 HP | 10-30 KWHR/mo.† |
| Brooder | 200-1000 watts | 1/2-1-1/2 per chick† per season 2 per mo.*° |
| Burglar alarm | 10-60 watts | 1 per 3 hrs.* |
| Debeaker | 200-500 watts | 1 per 2000 eggs† |
| Egg cleaning or washing | fractional HP | 1½ per case† |
| Egg cooling | 1/6-1 HP | 10 per mo.— |
| Night lighting | 40-60 watts | 10 per 100 birds |
| Ventilating fan | 50-300 watts | 1-1-1/2 per day† per 1000 birds |
| Water warming | 50-700 watts | varies widely† |

FOR HOGS

| | | |
|-----------------|---------------|------------------------------------|
| Brooding | 100-300 watts | 35 per brooding† period/litter |
| Ventilating fan | 50-300 watts | 1/4-1-1/2 per day† |
| Water warming | 50-1000 watts | 30 per brooding†* period/litter |

FARM SHOP

| | | |
|---------------------------|-----------------|-----------------------|
| Air compressor | 1/4-1/2 HP | 1 per 3 hr.†* |
| Arc welding | 37½ amp | 100 per year† |
| Battery charger | 600-750 watts | 2 per battery charge† |
| Concrete mixing | 1/4-2 HP | 1 per cu yd† |
| Drill press | 1/6-1 HP | 1/2 per hr.† |
| Fan, 10" | 35-55 watts | 1 per 20 hr.† |
| Grinding, energy wheel | 1/4-1/3 HP | 1 per 3 hr.† |
| Heater, portable | 1000-3000 watts | 10 per mo.†* |
| Heater, engine | 100-300 watts | 1 per 5 hr.†* |
| Lighting | 50-250 watts | 4 per mo.— |
| Lathe, metal | 1/4-1 HP | 1 per 3 hr.†* |
| Lathe, wood | 1/4-1 HP | 1 per 3 hr.†* |
| Sawing, circular 8" - 10" | 1/3-1/2 HP | 1/2 per hr.† |
| Sawing, jig | 1/4-1/3 HP | 1 per 3 hr.† |
| Soldering, iron | 60-500 watts | 1 per 5 hr.†* |

MISCELLANEOUS

| | | |
|-----------------------------------------------------------------------|----------------------|------------------------------|
| Farm chore motors 1/2-5 | | 1 per HP per hr.† |
| Insect trap | 25-40 watt | 1/3 per night* |
| Irrigating | 1 HP up | 1 per HP per hr.† |
| Snow melting, sidewalk and steps, heating— cable imbedded in concrete | 25 watts per sq. ft. | 2.5 per 100† sq. ft. per hr. |
| Soil heating, hotbed | 400 watts | 1 per day per season† |
| Wood sawing | 1-5 HP | 2 per cord† |

* AC power required (can be inverted from battery bank with DC to AC inverter)

† Normally AC - usually convertible to DC

— Normally AC-DC, sometimes newer mfg. items are not

* Normally AC but these items can be purchased new to operate of 115V DC

• Older ones were usually AC-DC

° Can be bought battery operated

These figures can be cut by 50% with conservation of electricity.