



How much power do you need?

Amps x Volts = Watts

Household / RV	APPROXIMATE RUNNING WATTAGE REQUIREMENTS	APPROXIMATE WATTAGE REQUIRED FOR STARTING	Industrial Motors	APPROXIMATE RUNNING WATTAGE REQUIREMENTS	APPROXIMATE WATTAGE REQUIRED FOR STARTING
Coffee Maker	1750	1750	Split Phase		
Dishwasher			1/4 Horsepower	600	1000
Cool Dry	700	1400	1/2 Horsepower	875	2300
Electric Fry Pan	1300	1300	Capacitor Start Induction Run		
Electric Range			1/3 Horsepower	720	1300
8-inch element	2100	2100	1 Horsepower	1600	4500
Microwave Oven	1000	2100	Capacitor Start Capacitor Run		
20" Box Fan or Table Fan	120	180	1 1/2 Horsepower	2000	6100
Electric Blanket	150	150	Fan Duty		
Refrigerator	192	1200	1/6 Horsepower	550	850
Automatic Washer	1150	2300	Farm Equipment		
Clothes Dryer			Electric Fence, 25 miles	250	250
Electric	5750	1800	Milk Cooler	1100	1800
Furnace Fan, gas or fuel oil			Milker (vacuum pump)		
1/8 Horsepower	300	500	2 Horsepower	1000	2300
1/6 Horsepower	500	750	Portable Heater (kerosene, diesel fuel)		
1/4 Horsepower	600	1000	50,000 BTU	400	600
1/3 Horsepower	700	1400	90,000 BTU	500	725
1/2 Horsepower	875	2350	150,000 BTU	625	1000
Lights	as indicated on bulb	as indicated on bulb	Battery Charger		
Radio	50 to 200	50	15 amp	380	380
Sump Pump			60 amp with 250-amp boost	1500/5750	1500
1/3 Horsepower	800	1300	100 amp with 300-amp boost	2400/7800	2400
1/2 Horsepower	1050	2150	Electric Welder		
Television			200 amp AC	9000	9000
Color	300	300	230 amp AC, at 100 amp	7800	7800
RV Air Conditioner			Air Compressors		
13,500 BTU	1800	2800	Air Compressors		
Room Air Conditioner			1/2 Horsepower	975	1600
10,000 BTU	1500	2200	1 Horsepower	1600	4500
Contractor			Computers		
Air Compressor			Desktop	600 to 800	600
1 Horsepower	1500	4500	Laptop	200 to 250	200
Bench Grinder			Monitor	200 to 250	200
8 inches	1400	2500	Fax	600 to 800	600
Hand Drill			Printer	400 to 600	400
1/2 inch	600	600			
High-Pressure Washer					
1 Horsepower	1200	3600			
Circular Saw, Heavy Duty					
7 1/4 inches	1400	2300			
Electric Chain Saw					
14 inches, 2 Horsepower	1100	1000			
Table Saw					
10 inches	1800	4500			
Drills					
3/8 inch, 4 amps	440	600			
1/2 inch, 5.4 amps	600	900			

NOTE: Check your equipment or appliance for actual wattage requirements.