

Mardinly Industrial Power LLC
Residential Generator Sizing Chart
Determine Your Energy Needs

GENERATOR WORKSHEET			
ITEM	RUNNING WATTAGE REQUIREMENTS	STARTING WATTAGE REQUIREMENTS	TOTALS
HEATING/COOLING			
Furnace Fan, gas or oil			
1/8 horsepower	300	500	
1/6 horsepower	500	750	
1/4 horsepower	600	1000	
2/5 horsepower	700	1400	
3/5 horsepower	875	2350	
Central Air Conditioner			
10,000 BTU	1500	2200	
20,000 BTU	2500	3300	
24,000 BTU	3800	4950	
32,000 BTU	5000	6500	
40,000 BTU	6000	6700	
Electric Water Heater - per element	4500	4500	
HEATING/COOLING:		SUB-TOTAL:	
KITCHEN			
Refrigerator, Average	600	2200	
Dish Washer - Cool Dry	700	1400	
Dish Washer - Hot Dry	1450	1400	
Clothes Dryer - Gas	700	1800	
Clothes Dryer - Electric	5750	1800	
Microwave Oven, 750W	750	800	
Washing Machine	750	2300	
Coffee Maker	850	0	
Toaster 2-slice	1100	0	
Toaster 4-slice	1650	0	
Electric Skillet	1500	0	
Electric Range 6-in. element	1500	0	
Electric Range 8-in. element	2100	0	
Freezer	2500	2200	
KITCHEN		SUB-TOTAL:	
BATHROOM			
Hair Dryer	800 - 1700	0	
Curling Iron	40 - 250	0	
Clothing Iron	1200	0	
BATHROOM			
APPLIANCES			

Lights- Wattage	Actual:		
VCR	50	0	
Heating Pad	65	0	
Radio	100	0	
Television - Black & White	100	0	
Television - Color	300	0	
Dehumidifier	400	0	
Space Heater - 15,000 BTU	200	450	
Electric Blanket	400	0	
Garage Door Opener - 1/4HP	550	1100	
Garage Door Opener - 1/3HP	725	1400	
Well Pump - 1/3 HP	750	1400	
Well Pump - 1/2 HP	1000	2100	
Sump Pump - 1/3 HP	500-1200	1700	
Sump Pump - 1/2 HP	1050	2150	
Vacuum Cleaner - Standard	800	0	
Vacuum Cleaner - Deluxe	1100	0	
APPLIANCES		SUB-TOTAL:	
COMMERCIAL PRODUCTS:			
1/4" Drill	300	300	
Jigsaw	300	300	
Electric Weed Trimmer	500	500	
Router	1000	1000	
Belt Sander	1000	1000	
Disc Sander	1200	1200	
Chain Saw	1200	1200	
Worm Drive Saw	1560	3100	
12" Concrete Cutter	1800	3600	
7 1/4" Circular Saw	1500	3000	
Disc Grinder	2000	4000	
Air Compressor, Average	2000	4000	
COMMERCIAL PRODUCTS		SUB-TOTAL:	
INDUSTRIAL PRODUCTS:			
Electrical Motors			
1/8 Horsepower	300	500	
1/6 Horsepower	500	750	
1/4 Horsepower	600	1000	
1/3 Horsepower	720	1300	
1/2 Horsepower	975	2100	
1 Horsepower	1600	4500	
1 1/2 Horsepower	2200	6000	
2 Horsepower	2850	7700	
3 Horsepower	3900	12000	
5 Horsepower	6800	16500	
INDUSTRIAL PRODUCTS		SUB-TOTAL:	
		GRAND TOTAL	