

APPLICATION WORKSHEET

APPLIANCE

Generator Sizing

When purchasing a generator, it's important that you select one that's capable of meeting your energy requirements. You must match the rated output of the generator to the maximum anticipated power to be used.

This section will assist you in estimating the power requirement so you can purchase the generator that will satisfy your needs. This includes using the accompanying worksheet to make a list of the tools and appliances you expect to operate, as well as the approximate power requirements for each device.

Once you have the list, you can estimate the highest demand that will be put on the generator under the "worst-case" conditions. With this figure, you can determine the appropriate model Yamaha generator for your particular needs.

Take It Step-By-Step

Follow these steps when determining your energy needs:

1. Identify the wattage requirements for the tools and appliances that you want to power. The power requirement for the tool or appliance can be found on its identification plate or in the owner's manual. If the power requirement is given in amps, multiply the amps times volts to determine the required watts.

$$\text{Amps} \times \text{Volts} = \text{Watts}$$

2. Add up the required watts of all the tools and appliances you expect to operate simultaneously.
3. The total watts determined in step 2 is the size Yamaha generator you need. These three simple steps will "size" a generator.

General guidelines shown. Your specific needs may vary. For more information, visit yamahamotorsports.com/powerproducts

	RUNNING WATTAGE RANGE	STARTING WATTAGE RANGE	YOUR RUNNING WATTAGE
RESIDENTIAL			
REFRIGERATOR	200-500	600-1500	
1000-WATT MICROWAVE OVEN	1500	1700	
SUMP PUMP	500-1200	1000-2500	
WELL PUMP (240V)	2500-5000	4000-10,000	
TELEVISION	150-300		
COFFEEMAKER	500-800		
COMPUTER	200-800		
PRINTER	500		
PERSONAL HEATER	1500		
LIGHTS	See bulb wattage		
ELECTRIC RANGE EACH BURNER (240V)	2500		
WATER HEATER (240V)	4500		
HAIR DRYER	1500-1750		
AQUARIUM HEATER & PUMP	500-2000		
RECREATIONAL VEHICLE			
AIR CONDITIONER	1200-2000	2000-3500	
REFRIGERATOR	650		
WATER HEATER	1400		
BATTERY CHARGER	150-1000		
GENERAL			
RECIPROCATING SAW	500		
ROTARY HAMMER	1000		
CHAIN SAW 7 1/4"	1200		
CIRCULAR SAW	2000	3000	
1/2" DRILL	700		
BELT SANDER	1000		
DISC SANDER 9"	1200		
DISC GRINDER	1800		
TOTAL:			