



# GENERATOR POWER WORKSHEET

## How Much Generator Power Do You Need?

Use this easy reference to determine the generator size you need. To select a generator with enough power output in watts, add the watts for the items you want to simultaneously run. Tools and appliances with induction motors may require 3 – 7 times the listed wattage when starting. All data listed is approximate—check your tool/appliance for specific wattage requirements. Your actual requirements will vary.

This worksheet will focus on determining your starting and running watt needs.

Amount of generator power you need depends on your power requirements. Generally, a higher-wattage generator lets you power more items at once.

- 1** Select the items you wish to power at the same time. Using the chart on the opposite page, fill in the STARTING WATTS and RUNNING WATT requirements on the "Miller Generator Power" worksheet.
- 2** Add the RUNNING WATTS column (the items you wish to power). Enter the total below in the TOTAL RUNNING WATTS boxes.
- 3** Subtract RUNNING WATTS from STARTING WATTS and place the amount in the ADDITIONAL STARTING WATTS column.
- 4** Select the ONE INDIVIDUAL ITEM with the highest number of additional starting watts. Take this ONE NUMBER, add it to your TOTAL RUNNING WATTS, and enter the total in the TOTAL WATTS NEEDED box.

**EXAMPLE**

TOOL OR APPLIANCE	STARTING WATTS	RUNNING WATTS	ADDITIONAL STARTING WATTS
1. Refrigerator or Freezer	2,200	700	1,500
2. Sump Pump	1,300	800	500
3. Table Saw	6,300	1,800	4,500
4.			
5.			
6.			
7.			
8.			
9.			
10.			

HIGHEST STARTING WATTS

TOTAL RUNNING WATTS = 3,300 + 4,500 ←

HIGHEST ADDITIONAL STARTING WATTS

+ 3,300

TOTAL RUNNING WATTS

= 7,800

TOTAL WATTS NEEDED

With this example you need a generator that produces at least 3300 total running watts and 7800 total starting or peak watts.

**EXAMPLE**

TOOL OR APPLIANCE	STARTING WATTS	RUNNING WATTS	ADDITIONAL STARTING WATTS
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

TOTAL RUNNING WATTS =  +

HIGHEST ADDITIONAL STARTING WATTS

+

TOTAL RUNNING WATTS

=

TOTAL WATTS NEEDED

I need a generator that produces at least \_\_\_\_\_ total running watts and \_\_\_\_\_ total starting or peak watts.