KOHLER®
POWER SYSTEMS

Power Systems Sizing Chart

Appliance Wattage Requirements

This sizing chart is intended to help you estimate the essential wattage requirements for the appliances you wish to use during an emergency utility outage. Your total wattage requirement will help determine which Kohler residential generator set system will best serve your needs.

When selecting your essential appliances, please note the following:

1. Wattage loads for appliances are calculated two different ways:

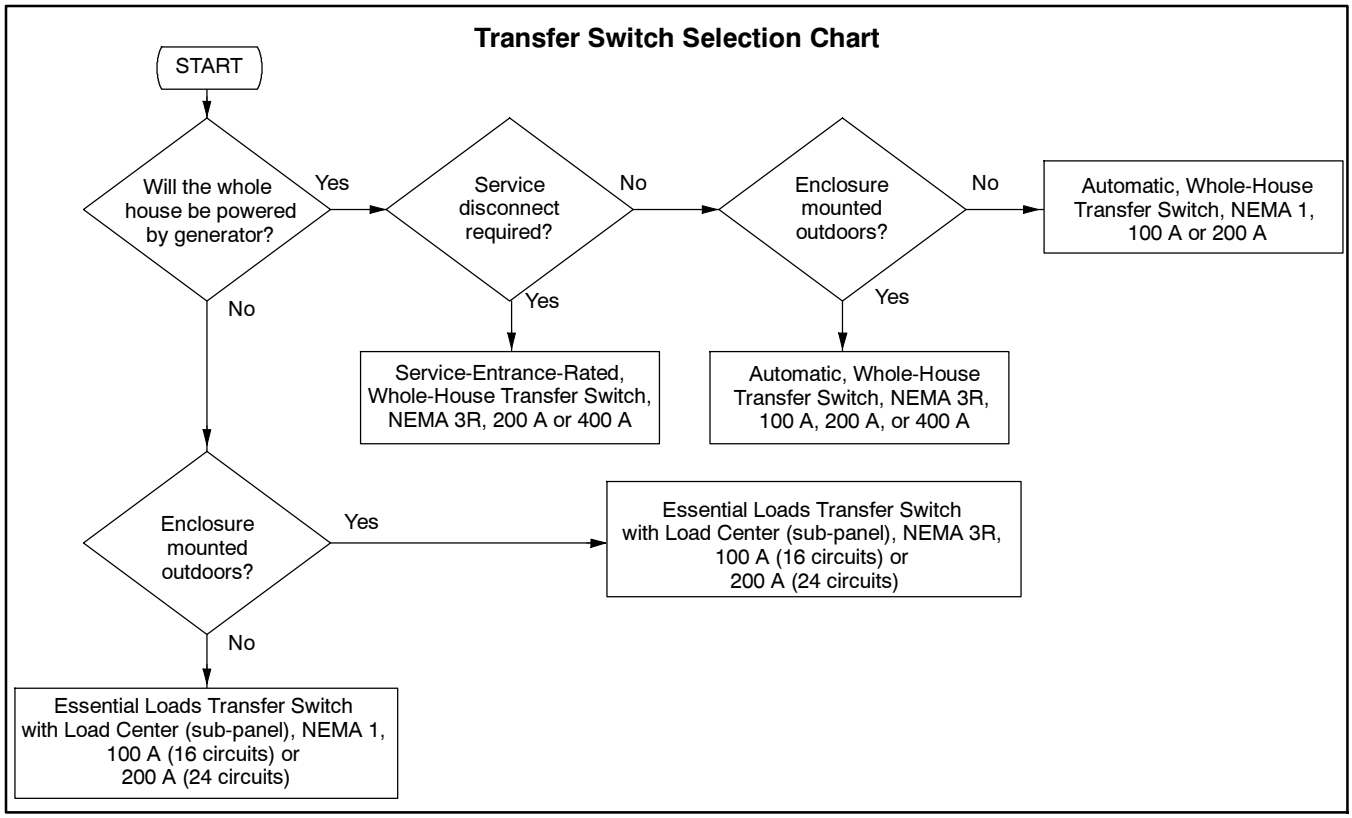
   a. **Resistive Loads:** The wattage required to run an appliance.

   b. **Inductive Loads:** Starting wattage (appliance needs more current to start than to run). This additional wattage is required to start electric motors used in home appliances (air conditioners, refrigerators, garage door openers, etc.).

2. These estimates are intended to assist in the specification phase of assessing your generator set requirements. Actual appliance wattage will vary depending on the appliance manufacturer and application.

3. By staggering the use of specific appliances, you can determine practical usage during an emergency utility failure.

Your Kohler residential power system is UL 2200 certified, EPA- and CARB-approved, and backed by a solid service and maintenance aftermarket organization.



Note: RXT transfer switches are compatible with the 14RESA, 20RESA, 38RCL, and 48RCL models only. RDT transfer switches will work with all single-phase 8.5–125 kW generator sets.

Typical AC Electrical Requirements for Residential and Light Commercial Installation

Use the chart below to calculate your estimated wattage. After you have your total estimated wattage calculated, go back and determine, from a **practical** standpoint, those appliances you would actually run (need) at the same time. Keep in mind you can stagger appliance usage (for example, turn off an electric range element to run a toaster). This **practical** home wattage requirement should be equal to or less than the kilowatt rating of your selected Kohler generator set.

Also try Kohler's online residential sizing calculator. Go to http://www.kohlerpower.com/residential. Click on Solutions and Find the Right Size. Then choose the Advanced Calculator for a detailed analysis.

	Running Watts	Starting Watts	Total Watts Required
Typical Essential Loads			
Electric range, 6 in. element	1500	—	
Electric range, 8 in. element	2100	—	
Freezer	500	1000	
Furnace fan, 3/4 HP	800	2000	
Heat pump	4700	10000	
Light bulb, 75 watts (total wattage on bulbs)	75	—	
Refrigerator/freezer	700	1800	
Security system	180	—	
Sump pump, 1/3 HP	400	1000	
Sump pump, 3/4 HP	750	2000	
TV	500	—	
Well pump, 1/3 HP	1000	2000	
Additional Personal Items			
Coffee maker	1500	—	
Computer	800	—	
Dehumidifier	800	1000	
Fan, attic	1000	1800	
Fan, ceiling	800	1400	
Garage door opener, 1/3 HP	600	1600	
Iron	1200	—	
Microwave oven	900	—	
Oven	3400	—	
Radio	100	—	
Space heater	1800	—	
Toaster	1650	—	
Toaster oven	1400	—	
Washing machine	1200	2300	
Water heater	4000	—	
Air Conditioners			
Air conditioner, window, 24,000 BTU (2 ton)	3900	5100	
Air conditioner, central, 10,000 BTU	1500	2200	
Air conditioner, central, 32,000 BTU (2.7 ton)	5000	6100	
Air conditioner, central, 48,000 BTU (4 ton)	6500	8500	
Air conditioner, central, 60,000 BTU (5 ton)	9200	11900	
		Total Estimated Wattage	