

## Appliance Use Chart

Equipment	Starting Factor	Avg. Running Wattage
Water Heater - 50 gal.	1	4500-5000
Portable Heater w/Fan	2	500-1500
Furnace Fan - 1/4 HP	3	400
- 1/3 HP	3	450
- 1/2 HP	3	600
Refrigerator/Freezer	3	1000
Lights	1	40-150
Range w/Oven	1	12,200
- small burner	1	1300
- large burner	1	2400
Well Pump - 1/3 HP	3	750
- 1/2 HP	3	1000
- 3/4 HP	3	1500
Sump Pump	3	1000
Electric Heat Pump	3	6000
Central A/C - 3 ton	3	6000
Garage Door Opener - 1/3 HP	3	750
- 1/2 HP	3	1050
Television	1	150-400
Microwave	1	600-1500
Coffee Maker	1	750-1200
Toaster	1	1100
Washing Machine w/o Hot Water	2	1000
Clothes Dryer	2	4850

Call Toll Free  
866-621-3679

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Rolla Office: 1310 South Bishop  
Mtn. Grove Office: 100 W. 5th St.

[www.ieca.coop](http://www.ieca.coop)

INTERCOUNTY ELECTRIC COOPERATIVE

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## Your Path to Power

Plugging your generator into Trifecta™ gives you a safe and easy way to connect a generator to your home during those unexpected power outages. With Trifecta™, using your portable generator is easy and safe.



**Intercounty Electric  
Cooperative Association**

Your Touchstone Energy® Cooperative 

# Connecting a portable generator is safe and easy with Trifecta™

## SAFE

Trifecta™ eliminates the use of extension cords and other connections that can be hazardous to members and co-op employees. Trifecta™ provides three essential services in a single meter-mounted device that can be installed in under half an hour.

- Manual Transfer Switch
- Service Lockout
- Surge Supression

## EASY

Trifecta™ is equipped with GenerLok™, a unique interlocking power cord system that quickly and easily connects a portable generator.

Trifecta™ provides a simple way to disconnect the home from incoming power sources if maintenance on the load side of meter is required.

With Trifecta™, members have the flexibility to run virtually any appliance, up to the capacity of their generator, by simply energizing appliances from their breaker panel.



## Trifecta™ vs. Standard Transfer Switch

Transfer switches and sub panels require rewiring of the household electrical system and limit the number of circuits that can be powered by the portable generator. Trifecta™ is installed outside your home at the electric meter in less than half an hour by a co-op employee.

With Trifecta™, you have the flexibility of selecting the appliances you want to run from your home's breaker panel, up to the capacity of your generator. Since Trifecta™ uses your existing breaker panel, you can operate any 120-volt appliance and some 240-volt appliances. Your well pump, sump pump, refrigerator, freezer, lights and microwave are just some of the appliances that you can operate with Trifecta™.

## Trifecta™ Provides Flexibility

With Trifecta™, you can operate virtually any electric load/appliance in your home up to your generator's capacity — just not all at the same time.

Appliances wired through your home's breaker panel, such as a furnace blower, hot water heater and many lights cannot run using extension cords. Trifecta™ provides the flexibility to run these loads from your portable generator.

## Cost

A 40-amp compatible Trifecta™ device is available to lease on your monthly electric bill. Installation is FREE.

Trifecta™ with Surge — \$12.95 per month

A 20 foot GenerLok™ power cord is available for purchase at the discounted rate of \$75.00 when you sign an initial contract with IECA. This discounted rate is limited to one cord per lease. For questions, contact Member Services at 866-621-3679.

## Generator Size Does Matter

To determine what loads you can support with a portable generator, you must consider the “running watt” and the “starting watt” requirements of the loads you want to operate.

For example: when your furnace motor first starts up, it will require approximately three times more starting watts for a brief, few second period than the running watts it needs to operate for extended periods. Your generator must have the capacity to start a motor and keep it running. Refer to the appliance use chart on the foldout.

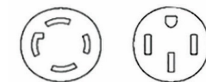


Sample generator sizing calculation: to use a refrigerator/freezer, you need 2,250 watts (750W x 3 starting factor) to start it and 750 watts to keep it running.

## Do all generators work with Trifecta™?

Many generators with a 120/240-volt AC receptacle using a GenerLok™ power cord are compatible but not all due to certain specifications or wattage.

Generators have different types of receptacles depending on the generator. If your generator does not have a 120/240-volt 4 prong AC receptacle, it is not suitable for use with Trifecta™. The GenerLok™ power cord is fitted with a male plug compatible with one of the following receptacles.



L14-30 Locking 14-50 Straight