RYOBI®

GUARANTEE 2-YEAR GUARANTEE

# GENERATOR COMPARISON SHEET & APPLICATION CHART

| Item Code | RG-950 | RG-1200 | RG-1250i | RG-2250i | RG-2700 | RG-3500 | RG-6900K | RG-7000K | RG-7900K |
|---|---|---|---|---|---|---|---|---|---|
| Maximum Power | 950 W | 1.2 kW | 1.2 kW | 2.2 kW | 2.5 kW | 3.0 kW | 5.5 kW | 6.5 kW | 7.5 kW |
| Rated Power | 650 W | 1.0 kW | 1.0 kW | 2.0 kW | 2.0 kW | 2.5 kW | 5.0 kW | 6.0 kW | 6.8 kW |
| Voltage & Frequency | 230V, 50Hz | 230V, 50Hz | 230V, 50Hz | 230V, 50Hz | 230V, 50Hz | 230V, 50Hz | 230V, 50Hz | 230V, 50Hz | 230V, 50Hz |
| Rated Current | 2.8 A | 4.35 A | 4.35 A | 8.7 A | 8.7 A | 10.9 A | 23.9 A | 26 A | 28 A |
| DC Voltage | 12 V | 12 V | 12 V | 12 V | 12 V | 12 V | 12 V | 12 V | 12 V |
| Fuel | Unleaded | Unleaded | Unleaded | Unleaded | Unleaded | Unleaded | Unleaded | Unleaded | Unleaded |
| Fuel Tank | 4 L | 6.5 L | 3.5 L | 7 L | 12 L | 15 L | 25 L | 25 L | 25 L |
| Fuel Mix | 50:1 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Engine Type | 2-stroke air cooled | Vertical OHV, 4-stroke Forced air cooled, single cylinder | 4-stroke air cooled, Inverter | 4-stroke air cooled, Inverter | 4-stroke air cooled | 4-stroke air cooled | 4-stroke air cooled | 4-stroke air cooled | 4-stroke air cooled |
| Displacement | 63 cc | 100 cc | 53.5 cc | 135 cc | 196 cc | 212 cc | 389 cc | 460 cc | 460 cc |
| Start System | Recoil pull start | Recoil pull start | Recoil pull start | Recoil pull start | Recoil pull start | Key start / Recoil pull start | Push button start / Pull start | Push button start / Pull start | Push button start / Pull start |
| Estimated Run Time | 6 hrs | 8 hrs | 4.5 hrs | 4.5 hrs | 10 hrs | 7 hrs | 8 hrs | 7 hrs | 7 hrs |
| Weight | 20.5 kg | 25 kg | 12.8 kg | 19 kg | 41.5 kg | 44 kg | 87 kg | 88 kg | 90 kg |
| Regulated Voltage (AVR) | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes |

## Service & Maintenance Intervals

**Remember:** This schedule is based on the assumption that your generator will be used for its designed purpose. Sustained high-load or high-temperature operation, or use in unusually wet or dusty conditions, will require more frequent servicing.

1. Service more frequently when used in dusty or enclosed areas.
2. For commercial use, log hours of operation to determine proper maintenance intervals.
3. If not used frequently, recharge the battery every 3 months.
4. A major service is recommended every year or 300 Hrs.
5. Do not use a generator in unventilated areas.

| ITEM Performed at every indicated month or hour interval which ever comes first. | | Before each use | Every Month or 20 Hrs | Every 3 Months or 50 Hrs | Every 6 Months or 100 Hrs |
|---|---|---|---|---|---|
| Engine Oil | Check | √ | | | |
| | Change | | √ | | |
| Air Cleaner | Check | √ | | | |
| | Clean | | | √ | |
| Spark plug | Clean / Adjust | | | | √ |
| Fuel Tank and Filter | Clean | | | √ | |

### Audio Visual & Computer Equipment

It is highly recommended to use a Ryobi Generator with an Automated Voltage Regulator (AVR) or an Un-interuptable Power Supply (UPS) when using sensitive electronic equipment. If these items are used on a regular generator, and they are damaged by a power surge, the manufacturer/ supplier cannot be held liable.

### Important Point:

The most important fact to remember when buying a generator is to ascertain what it will be used for and to identify the power requirement, expressed in Watts. All generators have a Maximum Power and Rated Power output quoted specification. Always take the Rated Power Output figure. It must be remembered that when operating generators at altitude, the performance is affected by air density. In other words, a petrol motor at the coast will run at its given output and inland ± 17% less output.

**Too low Watts / Volts available = Equipment Burnout or Possible Damage**.

## Conventional Generator Vs Inverter Generator

| Buying Consideration | Analysis | Generator | Inverter |
|---|---|---|---|
| Size/weight/portability | The compact size, relatively light weight and resulting portability of inverter generators make them the clear winner in this category. | | √ |
| Run times | Because their design is less size-conscious, conventional generators can allow for bigger fuel tanks, yielding longer run times. That said, inverters make better use of the fuel they have and their run times of 10 hours and more are generally more than adequate for their applications | √ | √ |
| Fuel efficiency | Inverters often use smaller, more efficient engines than Conventional generators. In addition, because the engine can adjust the throttle to meet the current load requirements, they use less fuel. | | √ |
| Noise | Many inverter generators have been designed specifically to keep noise to a minimum. In addition, they can throttle back under lighter loads, further reducing noise. Conventional designs simply can't compete in this category. | | √ |
| Max power output | Conventional generators vary greatly in their rated wattage, anywhere from 500 up to 50,000 watts and more. Inverter Generators are generally available up to 4000 watt models. | √ | |
| Quality of power output | Conventional generators hook their AC alternators directly to the load, without any processing. Inverter generators convert the AC output to DC and back to AC, producing much "cleaner" and higher-quality power than conventional units. | | √ |
| Price | This is where conventional generators come out on top. While prices on inverter generators have come down, their more complex design and sophisticated electronics, keep their price higher than a conventional unit. | √ | |

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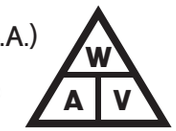
## How to work out consumption requirements:

**SUM of Device Watts ÷ 1000 = Kilo Watts (kW)**

Volts **(V)** = Always 230V (Std in S.A.)
Watts **(W)** = Amps **(A)** x Volts **(V)**
Amps **(A)** = Watts **(W)** ÷ Volts **(V)**




**Remember:**

Electric motors require a minimum power source of up to 3 x their rating to start!

(Add any "Startup" Watts to the total SUM of your consumption requirements.)

**Refer to the chart below to estimate which Ryobi Generator will meet your requirements.**

PLEASE NOTE: This is only a guide, please consult your equipment's handbook for accurate power usage requirements. Ryobi cannot be held responsible for damage to appliances or equipment due to incorrect usage.

800W | 2.5KW | 4.2KW | 6KW