RURIS GE2800 R-Power Generator User Manual

Contents

RURIS GE2800 R-Power Generator

Product Information

Generator R-Power GE2800/GE5500

The Generator R-Power GE2800/GE5500 is a powerful and reliable machine designed for industrial usage. It is equipped with a General Engine that operates on 4 strokes and has a power output ranging from 7 to 13 horsepower. The generator has a frequency of 50Hz and a rated voltage of 220V. It has a fuel tank capacity of 15L and 25L for the GE2800 and GE5500 respectively, and a motor oil capacity of 0.6L and 1.1L respectively. The generator also has a weight of 43kg and 74kg for the GE2800 and GE5500 respectively.

Product Usage Instructions

Before using the generator, it is important to read the user manual carefully and follow all safety instructions. The following are the steps to use the generator:

Step 1: Fuel and Oil Supply

The generator needs both fuel and oil to function properly. Fill the fuel tank with unleaded gasoline, and add the recommended amount of motor oil into the oil chamber. For the GE2800, the fuel tank capacity is 15L and motor oil capacity is 0.6L. For the GE5500, the fuel tank capacity is 25L and motor oil capacity is 1.1L.

Step 2: Safety Precautions

It is important to take safety precautions before starting the generator. Keep the generator at a safe distance from combustible materials, and avoid using it in unfavorable weather conditions. Also, ensure that there is proper ventilation to avoid carbon monoxide poisoning.

Step 3: Starting the Generator

To start the generator, turn on the fuel valve and switch on the engine. Then, pull the starter cord until the engine

starts. For the GE2800, the maximum power output is 2800W and the rated power output is 2500W. For the GE5500, the maximum power output is 5500W and the rated power output is 5000W.

Step 4: Shutting Down the Generator

To shut down the generator, turn off the engine and close the fuel valve. Allow the generator to cool down before storing it.

Step 5: Maintenance

Regular maintenance is important to keep the generator functioning properly. Refer to the maintenance schedule provided in the user manual and perform the necessary checks and cleaning tasks at the recommended intervals. These tasks may include checking and refilling oil, cleaning air filters, and checking spark plugs.
Following these steps will ensure that you can use the Generator R-Power GE2800/GE5500 effectively and safely for all your industrial needs.

INTRODUCTION

Dear Customers,

- Thank you for the decision to buy a RURIS product and for the trust placed in our company! RURIS has been on the market since 1993 and, all this time, it has become a strong brand, which has built its reputation by keeping its promises, but also by continuous investments meant to help customers with reliable, efficient and quality solutions. We are confident you will appreciate our product and enjoy its performance for a long time. RURIS does not only offer its customers equipment, but complete solutions. An important element in the relationship with the customer is sale and after sale counselling and RURIS customers have at their disposal a whole network of partner stores and service points.
- To enjoy the product you bought, please read carefully the user’s manual and pay attention to the provided information. Following the instructions will guarantee a long-term use.
- The RURIS company works continuously to develop its products and, therefore, reserves the right to change, among other things, their shape and performance, with no obligation for prior notice.
- Thank you once again for choosing RURIS products!

SAFETY INSTRUCTIONS

- This user manual is considered a permanent part of the power generator and must remain with the power generator in the event of resale.
- Assembling and major repair work shall only be carried out by specially trained personnel.

SAFETY LABELS

- These labels warn you of potential hazards that can cause serious injury. Read them carefully.

	Read the user manual
	Connect to the ground
	Wear hand protection equipment
	Careful! Danger
	Careful! Danger of electric shock
	Careful! High temperature
	Careful! Danger of carbon monoxide poisoning

	Careful! Flammable material
	Careful! Keep your distance
	Do not use in bad weather conditions
	Do not use in garage
	Do not use indoors

SAFETY INFORMATION

- Power generators are designed to provide safe and reliable service if used according to the instructions. Read and understand this user manual before using the power generator.
- You can help prevent accidents by becoming familiar with power generator controls and following safe operating procedures.

Liability of the operator

- It is necessary to know how to stop the power generator as quickly as possible in case of an emergency.
- It is necessary to understand the use of all power generator controls, output containers, and connections.

- Make sure the person using the power generator receives proper instructions. Do not let children operate the power generator without parental supervision.
- Hazards due to inhalation of carbon monoxide Exhaust gases contain harmful carbon monoxide, a colorless and odorless gas. Inhaling it can cause unconsciousness and even death.
- If you use the power generator in a confined or even partially enclosed area, the air you breathe may contain a dangerous amount of exhaust gases. To avoid accumulation of exhaust fumes, ensure adequate ventilation.

Electrical shock hazards

- The power generator produces enough electricity to cause serious shock or electrocution if used improperly.
- Using a power generator or electrical appliance in wet conditions, such as rain, snow or near a swimming pool, sprinkler system, if hands are wet, could cause electric shock.
- Keep the power generator dry.
- If the power generator is stored outdoors without weather protection, check all electrical components on the control panel before each use. Moisture or ice can cause electrical components to malfunction or short circuit which could result in electric shock.
- Connect to the electrical system belonging to a building only if an isolation switch has been installed by a qualified electrician.
- Avoid spilling fuel on the power generator during refueling.
- Always supply power to the power generator after shutdown.
- Smoking while refueling or refueling near sources of fire is prohibited.
- When using the power generator, you are required to use protective gloves to protect your hands from high temperatures.

GENERAL PRESENTATION OF THE MACHINE

1. Metal frame
2. Fuel cap
3. Voltmeter
4. Output voltage AC
5. Earth outlet
6. Fuse
7. Oil dipstick
8. Oil drain plug
9. ON/OFF switch
10. Starter
11. Air filter
12. Gasoline tap
13. Shock flap

TECHNICAL DATA

Model	GE2800	GE5500
Engine	General Engine	General Engine
Engine type	4 strokes	4 strokes
Engine power	7 hp	13 hp
Cylinder capacity	212 cc	420 cc
Ignition system	Electronic	Electronic
Starting	Manual	Manual
Fuel	Unleaded gasoline	Unleaded gasoline
Fuel tank capacity	15 L	25 L
Engine oil bath capacity	0.6 L	1.1 L
Average fuel consumption	< 374 (grams/kW/h)	< 370 (grams/kW/h)

Maximum generator power	2800 W	5500W
Generator nominal power	2500 W	5000W
Working frequency	50 Hz	50 Hz
Rated power	13	23
Number of outlets	2	2
Stator, rotor winding	Copper	Copper
Output voltage DC	–	–
Output voltage AC	220 V	220 V
AVR	YES	YES
Fuse	Standard equipment	Standard equipment
Frame type	Industrial	Industrial
Net weight	43 kg	74 kg

Ground terminal

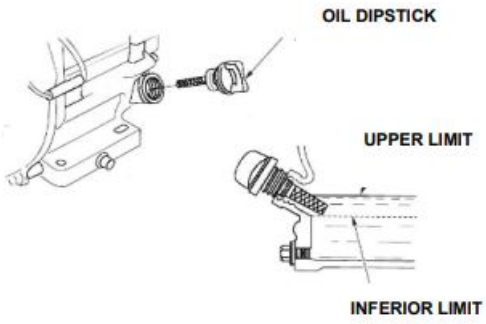
- The ground terminal of the power generator is connected to the frame of the power generator, the non-conductive metal parts of the power generator and the ground terminals of each outlet.
- Before using the grounding terminal, consult a qualified electrical inspector or local agency having jurisdiction for local codes or ordinances that apply to the use of the power generator.

FUEL AND OIL SUPPLY

OIL SUPPLY

- Engine oil is a major factor affecting engine performance and engine life. Non-detergent oils and two-stroke engine oil will damage the engine and are not recommended.
- Check the oil level BEFORE EACH USE by placing the power generator on a level surface with the engine off.
- **CAREFUL!** The power generator does not come with oil in the engine.
- Fill the engine bath with RURIS 4T-MAX engine oil or an API classification oil: CI-4/SL or higher, up to the top of the filler hole (see technical data table).
- In the cold season of the year, it is recommended to use the oil RURIS 4T-WINTER GT SAE 10W-40 API: CI-

4/SL.

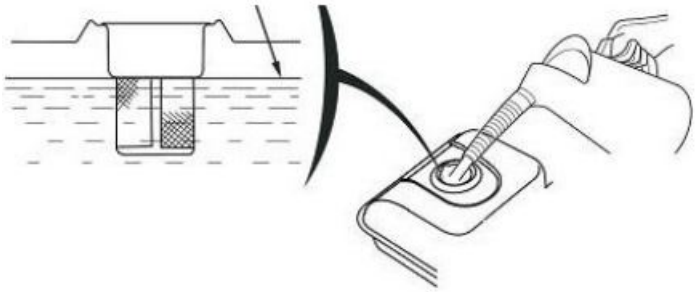


1. Remove the oil filter cap and clean the dipstick.
2. Check the oil level by inserting the dipstick into the filler hole without screwing it in.
3. If the level is low, fill the top of the filler hole with the recommended oil.
4. Reposition the dipstick again.

FUEL SUPPLY

1. Remove the fuel tank cap and check the level.
2. Refuel when the level is low.

Do not exceed the angle of the filter.



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WARNING!

- Gasoline is highly flammable and explosive under certain conditions.
- Refuel in a well ventilated area with the engine off. Do not smoke or allow flames or sparks in the area where the engine is fueled or where gasoline is stored.
- Do not fill the fuel tank (there must be no fuel in the filler neck). After refueling, check the tank cap. It must be closed properly.
- Be careful not to spill fuel when refueling. Spilled fuel or fuel vapors may ignite. If you spill fuel, make sure the area is dry before starting the engine.
- Avoid repeated or prolonged contact with the skin or breathing gasoline vapors.
- Starting the engine with repeated knocks or noise can cause engine damage.
- It is not recommended to run the engine with knocking or noise, as it can cause damage to the parts or even the machine, this is not covered by the warranty (it is considered incorrect use).
- Use quality fuel from authorized fuel stations.
- Fill with the best quality UNLEADED GASOLINE, using a metal funnel, in open areas and away from sources

of fire or sparks that could cause a fire.

WARNING!

- Do not refuel on the ground or near plants, as you risk damaging the environment.

SAFETY FUEL HANDLING

CAUTION

This fuel is extremely flammable. Do not smoke or bring flame or sparks near fuel.

IMPORTANT

1. Stop the engine before refueling.
2. Using the wrong oil can lead to clogging of the spark plug, clogging of the muffler or of the piston rings.
3. Move at least 3 meters away from the refuel point before starting the engine.
4. Using an improper fuel will cause severe damage to the internal parts of the engine in a short time.

PRE-OPERATION CHECKS

1. Check that all screws are tight and adjust if necessary.
2. Topping up the oil.
    - Fill the engine oil bath with RURIS 4T-MAX lubricating oil.
    - Place the power generator on a flat surface while refueling.
    - To check the oil level use the oil dipstick, the oil must be at maximum level.
    - Check for oil leaks.
3. Clean the unit of dust and dirt, especially the air filter.

COMMISSIONING

START-UP

- ▪ If the power generator starts to operate abnormally, becomes sluggish or stops suddenly, stop it immediately. Disconnect it and determine if the problem is the power generator or if the rated capacity of the power generator has been exceeded.
- ▪ Ensure that the rated load capacity of the tool or appliance does not exceed the power of the power generator. Never exceed the maximum power of the generator. Power levels between nominal and maximum can be used for a maximum of 30 minutes.

WARNING!

- If the power generator needs to be connected to the household power supply, only electrical technicians will make the connection. Any improper connection may result in a fire hazard or damage to the power generator while the power generator is connected to the equipment.

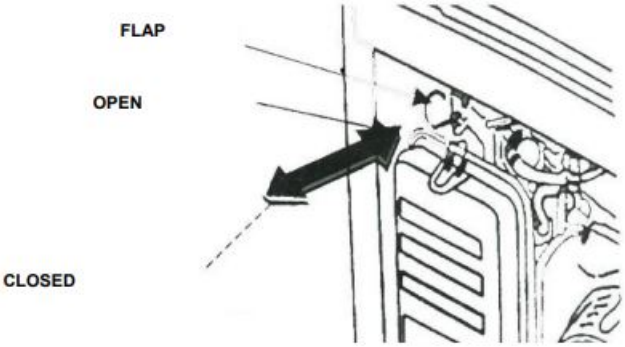
- The overload protector will be automatically triggered when the circuit is overloaded.
- Always take the following steps to keep your power generator in good condition.

1. Always connect the power generator to the ground to prevent any kind of hazard.
2. If the power generator is to provide electricity for the above tasks, be sure to connect them to the power source.

Starting the generator:

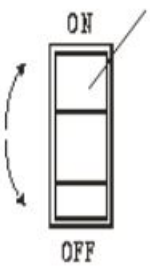
1. Turn the fuel tap lever to the ON position.

2. Move the shock flap to the CLOSED position.



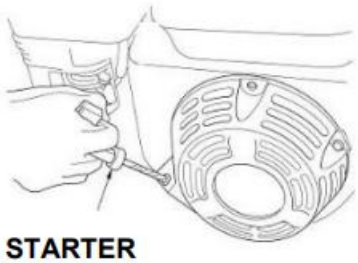
- **Careful!**
- Do not use the shock when the engine is at high temperature.

3. Turn the power generator switch to the ON position.



SWITCH

4. Pull the starter handle smoothly until resistance is felt, then pull steadily.



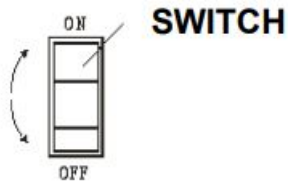
STARTER

4. Do not let the starter handle return suddenly toward the engine. Return it gently to prevent damage to the handle or cover.
5. While the engine is warming up, slowly push the shock flap to the OPEN position.

STOPPING THE POWER GENERATOR

In an emergency: To stop the power generator in an emergency, turn the engine switch to the OFF position.
Under normal conditions of use:

1. Turn the engine switch to the OFF position.



2. Turn the fuel tap lever to the OFF position.

EMISSION CONTROL SYSTEM

- Combustion can generate pollutants such as CO, nitrogen oxides, hydrocarbons, which can contaminate the environment if a large amount of them is released in the air.
- Among them, CO is a colorless, odorless and toxic gas. It is very important to control them.

Description	Power		Symbols	Examples		
	Start	Efficiency		Electrical device	Start	Efficiency
Incandescent lamp Heating device	x 1	x 1	Incandescent lamp TV	Incandescent lamp 100W	100V A (W)	100V A (W)
Fluorescent lamp	x2	x 1.5	Fluorescent lamp	40W Fluorescent lamp	80V A (W)	60V A (W)
Device of start-up	x 3 - 5	x2	Refrigerator Electric fan	Refrigerator 150 W	450-750VA (W)	300V A (w)

- The table above provides reference information for connecting electrical appliances to the generator.

MAINTENANCE

- Proper maintenance is the responsibility of the owner. See maintenance plan for specific maintenance. Note

that this list is made under the general conditions under which the power engine is used. If it is continuously used under heavy load or under high temperature with improper humidity or dusty environment, maintenance should be performed more frequently.

Replacement of spare parts

- It is recommended to only use original spare parts or their equivalent. Substitution with inferior quality replacement parts may affect the performance of the emission control system.
- Unauthorized changes
- Modifications or changes to the emission control system may cause emissions to exceed legal specifications. Unauthorized modifications or changes include:

1. Removal or replacement of any spare part in the intake or exhaust system.
2. Modifying or removing connections for the speed control system that causes the power engine to operate beyond the parameter settings.

Emissions may be adversely affected if:

1. Black smoke is emitted or fuel consumption is high.
2. During the operation of the engine, failures occur in the carburetor or in the muffler.
3. Ignition occurs earlier or later than normal.

Periodic inspection and adjustment can keep your gasoline engine performing well and extending its life. Intervals and maintenance items are presented in the following table:

MAINTENANCE TABLE

Perform maintenance more often when using the machine in dusty areas.

Interval Item	With every use	After the firs t 5h (3)	After 25h or 6 months (3)	After 100h or 6 months (3)	After 300h or one year (3)
Checking and tightening of bolts an d nuts	A				
Checking and refilling the engine oil	A				
Air filter check	A				
Air filter cleaning			A		
Checking carburetor decanter cup cleaning				A	
Check/clean spark plug				A	
Valve clearance – check/adjust					O(x)
Fuel tank and fuel filter – check/clean					O(x)
External cleaning of the power gen erator	A				
Checking the starting system	A				
Engine oil change		A	A		

- O(x) These parts of the maintenance process must be carried out at an authorized service.
- For professional commercial use, record machine operating hours to determine proper maintenance.
- **WARNING!** If you do not perform maintenance correctly or if you do not solve a problem before operation, you can cause a malfunction that can cause you to be injured or killed.
- Always follow the maintenance and inspection recommendations and schedule in this manual.
- **WARNING!** Extended and repeated exposure to lubricants can cause skin reactions. Skin is cleaned and rinsed immediately after exposure using soap and clean water.

AIR FILTER MAINTENANCE

- A clogged air filter (impregnated with impurities) will decrease the flow of air through the carburetor. Always perform periodic air filter maintenance. Frequent maintenance is necessary when the power generator is exposed to highly dusty areas.

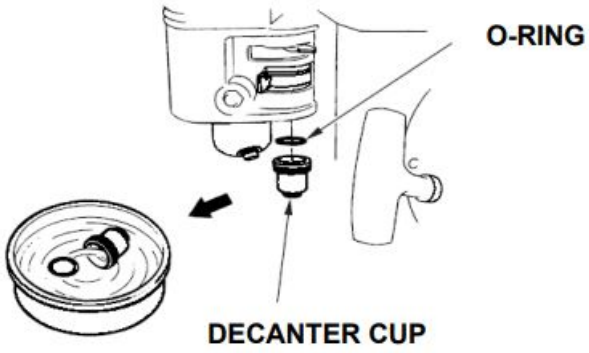
WARNING

- Do not clean the filter element using gasoline or low-burning point cleaner.
- Do not start the engine without an air filter. Otherwise, dirty air can enter the engine, shortening its life.

1. Remove the air filter cover. Remove the filter element.
2. Clean the filter element then dry it completely in a natural environment.
3. Refit the filter element and replace the cover.

CLEANING THE DECANTER CUP

- Turn off the fuel tap, remove the decanter cup and O-ring, and clean the decanter cup.
- Reassemble the components after drying them completely. Open the fuel tap to check for leaks.



CAREFUL!

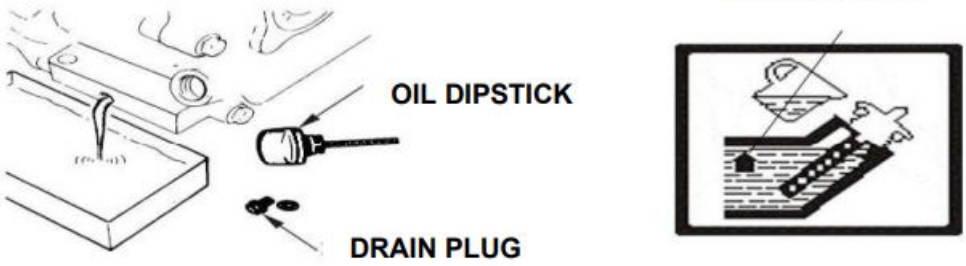
- Gasoline is extremely flammable and explosive. Remove all smoke and fire and maintain good ventilation.
- Check that the decanter cup does not leak after reassembly. Store the machine in a dry and clean environment.

CHANGING ENGINE OIL

- To ensure quick and complete draining of the engine oil, change the oil when the engine is warm.

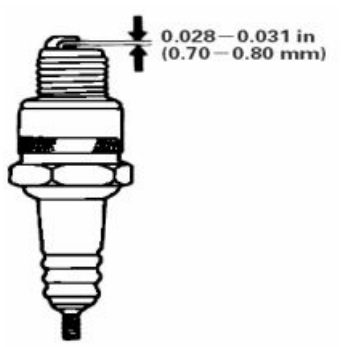
1. Remove the oil dipstick and drain plug to drain the lubricant.
2. Refit and tighten the drain plug.
3. Top up with the recommended lubricant and check the level.
4. Reinstall the oil dipstick.

- Generator oil bath capacity:
- GE2800- 0.6l
- GE5500- 1.1l



- Wash your hands with soap and water after changing the used oil.
- It is recommended to dispose the used engine oil in a manner compatible with environmental protection regulations. We suggest disposal in a sealed container at your local service station or recycling center. Do not throw it in the trash, do not pour it on the ground or into the waste water network.

SPARK PLUG MAINTENANCE



- Do not use the spark plug beyond the permitted thermal limits. To ensure the proper operation of the machine, the spark plugs must be properly spaced and free of sediment.

1. Remove or replace the spark plug using the special wrench.
2. Visually check the spark plug. Replace any spark plug that shows wear or has a cracked/defective dielectric. In the case of reuse, cleaning with a wire brush is necessary.
   CAREFUL! Do not touch the spark plug shortly after the machine has been stopped as it is extremely hot.
3. Measure the gap using a tape measure. Pull the electrode if necessary to adjust. 0.7- 0.8mm is the appropriate gap range.
4. Check that the spark plug mounting washer is in proper condition.
5. Screw the spark plug by hand as far as it will go, then tighten with the special wrench. Keep the gasket firmly in place.

CAREFUL! When installing a new spark plug, it will be tightened half a turn by fixing the gasket accordingly. When installing a used spark plug, it will be tightened 1/8-1/4 after the gasket is properly secured.

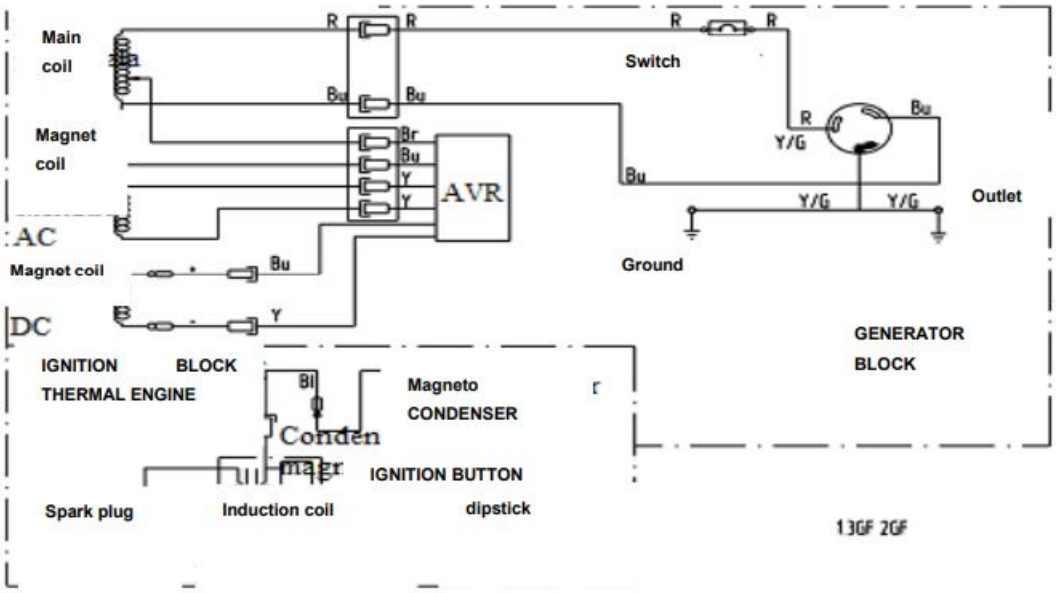
- The spark plug must be tight. Otherwise, it will become extremely hot and cause damage to the machine.
- Use the recommended spark plug. Otherwise, the machine may be damaged.

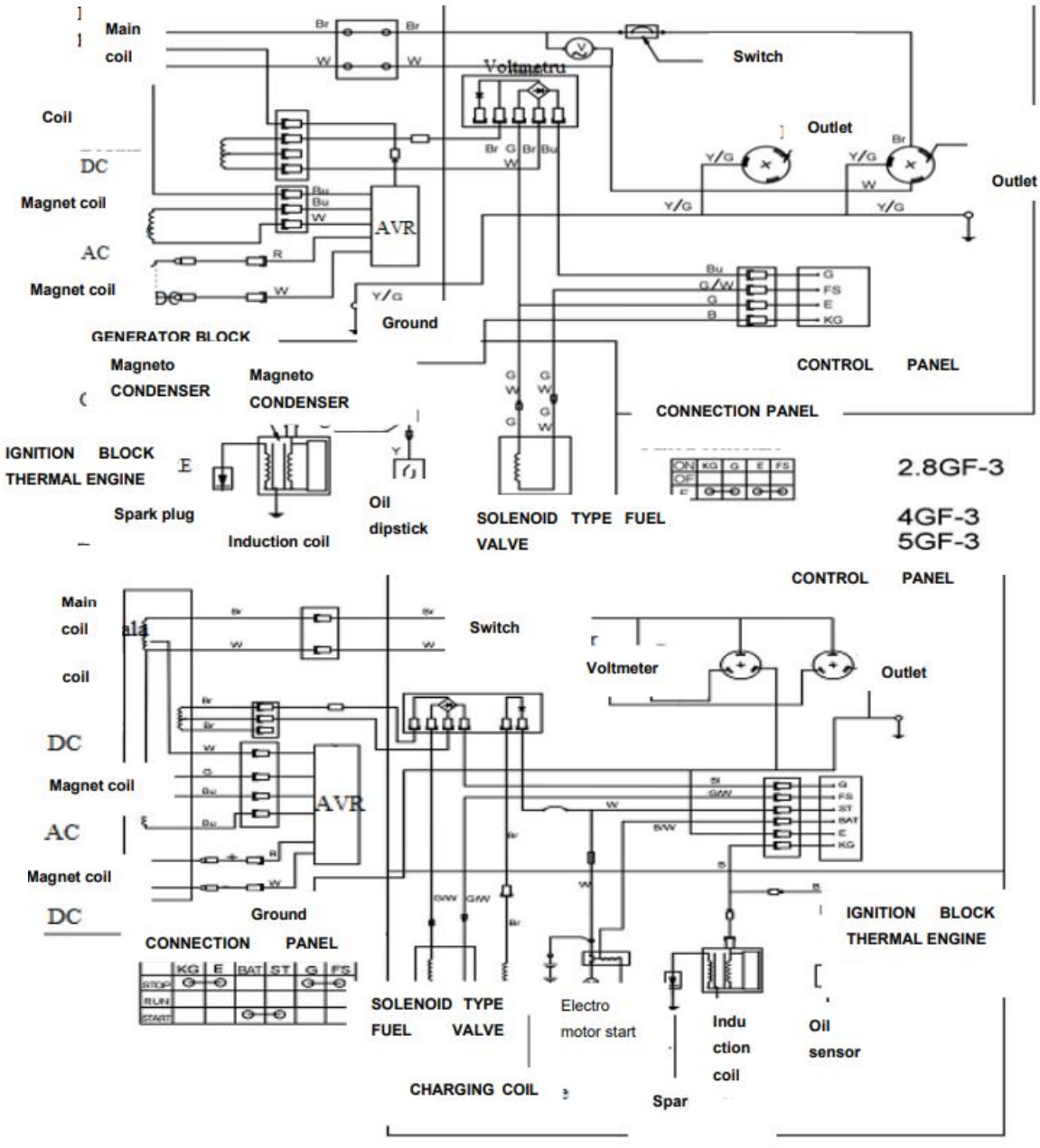
STORAGE AND TRANSPORT

When transporting the generator, turn the engine switch and fuel tap to the “OFF” position. Keep the power generator in a horizontal position to prevent fuel leakage. Fuel vapors or spilled fuel can ignite.

1. **Transport**
    - Do not transport the generator unless the fuel tap is turned off and the engine is cold.
    - **CAREFUL!** Do not tilt the power generator. Otherwise, a fire may occur due to leakage or volatilization of fuel.
2. **Storage**
    - Check the following conditions in case of long-term storage of the power generator:
    - The storage location does not have high humidity or dust.
    - The fuel is drained.
    - **WARNING!** To prevent gasoline from burning and exploding, fire and smoke are strictly prohibited.
    - **a)** Turn the fuel tap to the “OFF” position, remove and empty the decanter.
    - **b)** Open the fuel tap, empty the fuel tank into a suitable empty container.
    - **c)** Refit the decanter, tighten and secure it properly.
    - **d)** Loosen the carburetor drain screw, drain the fuel from the carburetor into a suitable empty container.
    - Replace the lubricant.
    - Remove the spark plug. Pour 5 ml of clean lubricant into the cylinder. Turn over the power generator so that the lubricant is distributed evenly. Refit the spark plug.
    - Operate the starter lever until resistance is felt. Then close the tap to prevent rust and dust.
    - Cover the generator to protect it from dust.

ELECTRICAL DIAGRAM





DECLARATION OF CONFORMITY CE

Manufacturer: SC RURIS IMPEX SRL
Blvd. Decebal, no. 111, Administrative Building, Craiova, Dolj, Romania
Phone. 0351 464 632, www.ruris.ro, info@ruris.ro
Authorized representative: Eng. Stroe Marius Catalin – General Manager
Authorized person for the technical file: Eng. Alexandru Radoi – Production Design Director

Description of the machine: The **POWER GENERATOR** ensures a continuous supply of electricity, being driven by a 4-stroke engine and equipped with an electronic ignition system.

Product: THE POWER GENERATOR
Product serial number: from xx GE2800 0001 to xx GE2800 9999 (where xx represents the last two digits of the year of manufacture)

Type: RURIS
Model: R-Power GE 2800
Power: 7 hp
Generator nominal power: 2500 W
Engine: thermal, 4-stroke, unleaded gasoline
Working frequency: 50Hz

We, SC RURIS IMPEX SRL Craiova, manufacturer, in accordance with HG 1029/2008 - regarding the conditions for the introduction of cars on the market, ***Directive 2006/42/EC - cars; safety and security requirements*** *, Standard EN ISO 12100:2010 – Machinery. Security,* **Directive 2014/30/EU on electromagnetic compatibility** (HG487/2016 on electromagnetic compatibility, updated 2019), ***Directive 2014/35/EU, HG 409/2016*** *- on low-voltage equipment,* ***EU Regulation 2016/1628 (amended by EU Regulation 2018/989)*** *-* ***establishing measures limiting gaseous emissions and polluting particles from engines*** *and HG 467/2018 regarding the enforcement measures of the aforementioned Regulation, we have certified the product's compliance with the specified standards and declare that it complies with the main safety and security requirements.*

The undersigned Stroe Catalin, the manufacturer's representative, declares on his own responsibility that the product is in accordance with the following European standards and directives:

- **SR EN ISO 12100:2011 / EN ISO 12100:2010** - Machine safety. Basic concepts, general design principles. Basic terminology, methodology. Technical principles
- **SR EN ISO 8528-13:2016/ EN ISO 8528-13:2016** – Alternating current generating sets operated by internal combustion engines with alternating motion. Part 13: Security
- **ISO 2261:1994 -** Internal combustion engines **-** Manually operated control devices - Standard Motion Directive
- **SR EN ISO 13732-1:2009/ EN ISO 13732-1:2008 -** Ergonomics of the thermal environment. Methods of assessment of contact with surfaces. Part 1: Warm surfaces
- **SR EN ISO 11688-1:2010/ EN ISO 11688-1:2009 -** Acoustics. Practical recommendations for the design of machines and equipment with low noise. Part 1: Planning
- **SR EN ISO 4871:2010/ EN ISO 4871:2009-** Acoustics. Declaration and verification of noise emission values of machines and equipment
- **SR EN 60204-1:2007/AC:2013/ EN 60204-1:2006/corrigendum Feb. 2010 –** Car safety. Electrical equipment of cars. Part 1. General requirements
- **IEC 60364-4-41:2005** - Low voltage electrical installations. Part 4-41: Safeguards to ensure security. Protection against electric shocks

- SR HD 60364-5-54:2012/ IEC 60364-5-54:2011 - Low voltage electrical installations. Part 5-54: Selection and installation of electrical equipment. Grounding installations and protective conductors

- SR EN 60034-1:2011/ IEC 60034-1:2010 - Rotating electrical machines. Part 1: Ratings and performance characteristics

- SR EN 61310-1:2008/ EN 61310-1:2008 - Machine safety. Indication, marking and handling. Part 1: Requirements for visual, acoustic and tactile signals

- SR EN 55012:2008/A1:2010/ EN 55012:2007/A1:2009 - Vehicles, boats and internal combustion engines. Characteristics of radioelectric disturbances. Limits and measurement methods for the protection of outdoor receivers

- **SR EN 55014-1:2017; SR EN ISO 55014-2:2015** – Electromagnetic compatibility
- **SR EN 61000-3-2/2014; SR EN ISO 61000-3-3/2013** – Electromagnetic compatibility

- **Directive 2000/14/EC** (amended by Directive 2005/88/EC) – Noise emissions in the outdoor environment
- **Directive 2006/42/EC** - regarding machines - placing machines on the market
- **Direction 2014/30/EU** - on electromagnetic compatibility (HG 487/2016 on electromagnetic compatibility, updated 2019);
- **Directive 2014/35/EU, HG 409/2016** - regarding low-voltage equipment
- **EU Regulation 2016/1628 (amended by EU Regulation 2018/989) -** establishing measures to limit gaseous emissions and polluting particles from engines

Other Standards or specifications used:

- **SR EN ISO 9001** - Quality Management System
- **SR EN ISO 14001** - Environmental Management System
- **SR ISO 45001:2018** - Occupational Health and Safety Management System.

MARKING AND LABELING OF ENGINES

Spark ignition gasoline engines received and used on RURIS equipment and machines, according to **EU Regulation 2016/1628 (amended by EU Regulation 2018/989)** and HG 467/2018 are marked with:

- Manufacturer's brand and name: CDGM Co. LTD .
- Type: BS170F/P-2
- Type approval number obtained by the specialized manufacturer: e24*2016/1628*2017/656SYA1/P*0088*00

- Engine identification number – unique number.
- Concept General Engine

Note: the technical documentation is owned by the manufacturer.

Clarification: This declaration is in accordance with the original.

Validity period: 10 years from the date of approval.

Place and date of issue: **Craiova, 2022**

Year of application of the CE marking: **2022**

No. reg: **1302/07.11.2022**

Authorized person and signature

Ing. Stroe Marius Catalin
General Manager of Ruris Impex SRL

DECLARATION OF CONFORMITY EC

Manufacturer: SC RURIS IMPEX SRL
Blvd. Decebal, no. 111, Administrative Building, Craiova, Dolj, Romania
Phone. 0351 464 632, www.ruris.ro, info@ruris.ro
Authorized representative: Eng. Stroe Marius Catalin – General Manager
Authorized person for the technical file: Eng. Alexandru Radoi – Production Design Director
Description of the machine: The **POWER GENERATOR** ensures continuous supply of electricity, being driven by a 4-stroke engine and equipped with an electronic ignition system

Product: THE POWER GENERATOR
Product serial number: from xx GE2800 0001 to xx GE2800 9999 (where xx represents the last two digits of the year of manufacture)
Type: RURIS **Model:** R-Power GE 2800
Power: 7 hp **Generator nominal power**: 2500 W
Engine: thermal, 4-stroke, unleaded gasoline **Working frequency**: 50Hz
Measured sound power level: **95 dB** (A) Sound power level: **96 dB** (A)
The acoustic power level is certified by TUV Rheinland LGA Products GmbH through test report no. JO 50480505 0001 of 14.10.2020 in accordance with the provisions of Directive 2000/14/EC amended by Directive 2005/88/CE and SR EN ISO 3744:2011

We, SC RURIS IMPEX SRL Craiova as a manufacturer, in accordance with Directive 2000/14/EC (amended byirective 2005/88/EC), HG 1756/2006 - on limiting the level of noise emissions in the environment produced by equipment intended for use outside the buildings, we have verified and certified the conformity of the product with the specified standards and declare that it complies with the main requirements.

The undersigned Stroe Catalin, the manufacturer's representative, declares on his own responsibility that the product is in accordance with the following European standards and directives:

- **Directive 2000/14/EC (amended by Directive 2005/88/EC)** – Noise emissions in the outdoor environment
- **SR EN ISO 3744:2011** - Acoustics. Determination of sound power levels emitted by noise sources using sound pressure
- **Directive 2006/42/EC** - regarding machines - placing machines on the market
- **Directive 2014/30/EU** on electromagnetic compatibility (HG 487/2016 on electromagnetic compatibility, updated 2019);
- **EU Regulation 2016/1628** (amended by EU Regulation 2018/989) - establishing measures to limit gaseous emissions and polluting particles from engines

Other Standards or specifications used:

- **SR EN ISO 9001** - Quality Management System
- **SR EN ISO 14001** - Environmental Management System
- **SR ISO 45001:2018** - Occupational Health and Safety Management System.

Note: the technical documentation is owned by the manufacturer.
Clarification: This declaration is in accordance with the original.
Validity period: 10 years from the date of approval.
Place and date of issue: **Craiova, 2022**
Year of application of the CE marking: **2022**
No. reg: 1303/07.11.2022
Authorized person and signature:

Ing. Stroe Marius Catalin
General Manager of SC RURIS IMPEX SRL

Manufacturer: SC RURIS IMPEX SRL
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Authorized representative: Eng. Stroe Marius Catalin – General Manager
Authorized person for the technical file: Eng. Alexandru Radoi – Production Design Director

Description of the machine: The **GENERATOR** ensures a continuous supply of electricity, being driven by a 4-stroke engine and equipped with an electronic ignition system.

Product: THE POWER GENERATOR Product serial number: from xx GE5500 0001 to xx GE5500 9999 (where xx represents the last two digits of the year of manufacture)

Type: RURIS	**Model:** R-Power GE 5500
Power: 13 hp	**Generator nominal power**: 5000 W
Engine: thermal, 4-stroke, unleaded gasoline	**Working frequency**: 50Hz

We, SC RURIS IMPEX SRL Craiova, manufacturer, in accordance with HG 1029/2008 - regarding the conditions for the introduction of cars on the market, ***Directive 2006/42/EC - cars; safety and security requirements*** *, Standard EN ISO 12100:2010 – Machinery. Security,* **Directive 2014/30/EU on electromagnetic compatibility** (HG487/2016 on electromagnetic compatibility, updated 2019), ***Directive 2014/35/EU, HG 409/2016*** *- on low-voltage equipment,* ***EU Regulation 2016/1628 (amended by EU Regulation 2018/989) - establishing measures limiting gaseous emissions and polluting particles from engines*** *and HG 467/2018 regarding the enforcement measures of the aforementioned Regulation, we have certified the product's compliance with the specified standards and declare that it complies with the main safety and security requirements.*

The undersigned Stroe Catalin, the manufacturer's representative, declares on his own responsibility that the product is in accordance with the following European standards and directives:

- **SR EN ISO 12100:2011 / EN ISO 12100:2010** - Machine safety. Basic concepts, general design principles. Basic terminology, methodology. Technical principles
- **SR EN ISO 8528-13:2016/ EN ISO 8528-13:2016** – Alternating current generating sets operated by internal combustion engines with alternating motion. Part 13: Security
- **ISO 2261:1994** - Internal combustion engines - Manually operated control devices - Standard Motion Directive
- **SR EN ISO 13732-1:2009/ EN ISO 13732-1:2008** - Ergonomics of the thermal environment. Methods of assessment of contact with surfaces. Part 1: Warm surfaces
- **SR EN ISO 11688-1:2010/ EN ISO 11688-1:2009** - Acoustics. Practical recommendations for the design of machines and equipment with low noise. Part 1: Planning
- **SR EN ISO 4871:2010/ EN ISO 4871:2009**- Acoustics. Declaration and verification of noise emission values of machines and equipment
- **SR EN 60204-1:2007/AC:2013/ EN 60204-1:2006/corrigendum Feb. 2010** – Car safety. Electrical equipment of cars. Part 1. General requirements
- **IEC 60364-4-41:2005** - Low voltage electrical installations. Part 4-41: Safeguards to ensure security. Protection against electric shocks
- **SR HD 60364-5-54:2012/ IEC 60364-5-54:2011** - Low voltage electrical installations. Part 5-54: Selection and installation of electrical equipment. Grounding installations and protective conductors

- **SR EN 60034-1:2011/ IEC 60034-1:2010** - Rotating electrical machines. Part 1: Ratings and performance characteristics
- **SR EN 61310-1:2008/ EN 61310-1:2008** - Machine safety. Indication, marking and handling. Part 1: Requirements for visual, acoustic and tactile signals
- **SR EN 55012:2008/A1:2010/ EN 55012:2007/A1:2009** - Vehicles, boats and internal combustion engines. Characteristics of radioelectric disturbances. Limits and measurement methods for the protection of outdoor receivers
- **SR EN 55014-1:2017; SR EN ISO 55014-2:2015** – Electromagnetic compatibility
- **SR EN 61000-3-2/2014; SR EN ISO 61000-3-3/2013** – Electromagnetic compatibility

- **Directive 2000/14/EC** (amended by Directive 2005/88/EC) – Noise emissions in the outdoor environment
- **Directive 2006/42/EC** - regarding machines - placing machines on the market
- **Direction 2014/30/EU** - on electromagnetic compatibility (HG 487/2016 on electromagnetic compatibility, updated 2019);
- **Directive 2014/35/EU, HG 409/2016** - regarding low-voltage equipment
- **EU Regulation 2016/1628 (amended by EU Regulation 2018/989)** - establishing measures to limit gaseous emissions and polluting particles from engines

Other Standards or specifications used:

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- **SR ISO 45001:2018** - Occupational Health and Safety Management System.

MARKING AND LABELING OF ENGINES

Spark ignition gasoline engines received and used on RURIS equipment and machines, according to **EU Regulation 2016/1628 (amended by EU Regulation 2018/989)** and HG 467/2018 are marked with:

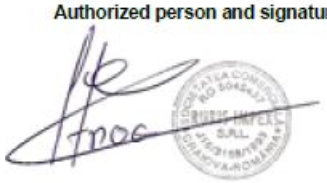
- Manufacturer's brand and name: CDGM Co. LTD .
- Type: BS190F/P
- Type approval number obtained by the specialized manufacturer: e24*2016/1628*2017/656SYB1/P*0086*00

- Engine identification number – unique number.
- Concept General Engine

Note: the technical documentation is owned by the manufacturer.
Clarification: This declaration is in accordance with the original.
Validity period: 10 years from the date of approval.
Place and date of issue: **Craiova, 2022**
Year of application of the CE marking: **2022**
No. reg: **1304/07.11.2022**

Authorized person and signature

Ing. Stroe Marius Catalin
General Manager of Ruris Impex SRL



Manufacturer : SC RURIS IMPEX SRL
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Tel. 0351 464 632, www.ruris.ro, info@ruris.ro
Representative authorized : Eng . Stroe Marius Catalin – General Manager
The person authorized for technical file : Eng Alexandru Radoi – Production Design Director
Description of the machine: **GENERATOR** ensures continuous supply of electricity, being driven by a 4-stroke engine and equipped with an electronic ignition system
Product: GENERATOR
Product serial number: from xx GE5500 0001 to xx GE5500 9999 (where xx represents the last two digits of the year of manufacture)
Type: RURIS
Power: 13 HP
Engine : thermal, 4-stroke, unleaded gasoline
Model: R-Power GE 5500
Generator nominal power: 5000 W
Working frequency: 50Hz
Measured sound power level: **94dB(A)** Guaranteed sound power level: **97 dB(A)**
The acoustic power level is certified by Force Technology thorugh certificate no.DANAK-1002838 from 22.12.2022, in accordance with the provisions of Directive 2000/14/CE amended by Directive 2005/88/CE and SR EN ISO 3744:2011.
Noi, SC RURIS IMPEX SRL Craiova in calitate de producator, in conformitate cu Directiva We, SC RURIS IMPEX SRL Craiova as a manufacturer, in accordance with Directive 2000/14/EC (amended by Directive 2005/88/EC), HG 1756/2006 - on limiting the level of noise emissions in the environment produced by equipment intended for use outside the buildings, we have verified and certified the conformity of the product with the specified standards and declare that it complies with the main requirements.
The undersigned Stroe Catalin, the manufacturer's representative, declares on his own responsibility that the product is in accordance with the following European standards and directives:

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- **SR EN ISO 3744:2011** - Acoustics. Determination of sound power levels emitted by noise sources using sound pressure
- Directive **2006/42**/EC - regarding machines - placing machines on the market
- **Directive 2014/30/EU** on electromagnetic compatibility (HG 487/2016 on electromagnetic compatibility, updated 2019);
- **EU Regulation 2016/1628** (amended by EU Regulation 2018/989) - establishing measures to limit gaseous emissions and polluting particles from engines

Other Standards or specifications used:

- **SR EN ISO 9001** - Quality Management System
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- **SR ISO 45001:2018** - Occupational Health and Safety Management System.

Note: the technical documentation is owned by the manufacturer.
Clarification: This declaration is in accordance with the original.
Validity period: 10 years from the date of approval.
Place and date of issue: **Craiova, 2022**
Year of application of the CE marking: **2022**
No. reg:1477/ 29.12.2022
Authorized person and signature:
Ing. Stroe Marius Catalin
General Manager of SC RURIS IMPEX SRL

- **Customer information and support:**
- **Telephone: 0351.820.105**
- **e-mail: info@ruris.ro**

Documents / Resources

	**RURIS GE2800 R-Power Generator** [pdf] User Manual GE2800, GE5500, GE2800 R-Power Generator, R-Power Generator, Generator

References

- RURIS - Motoutilaje pentru agricultura