

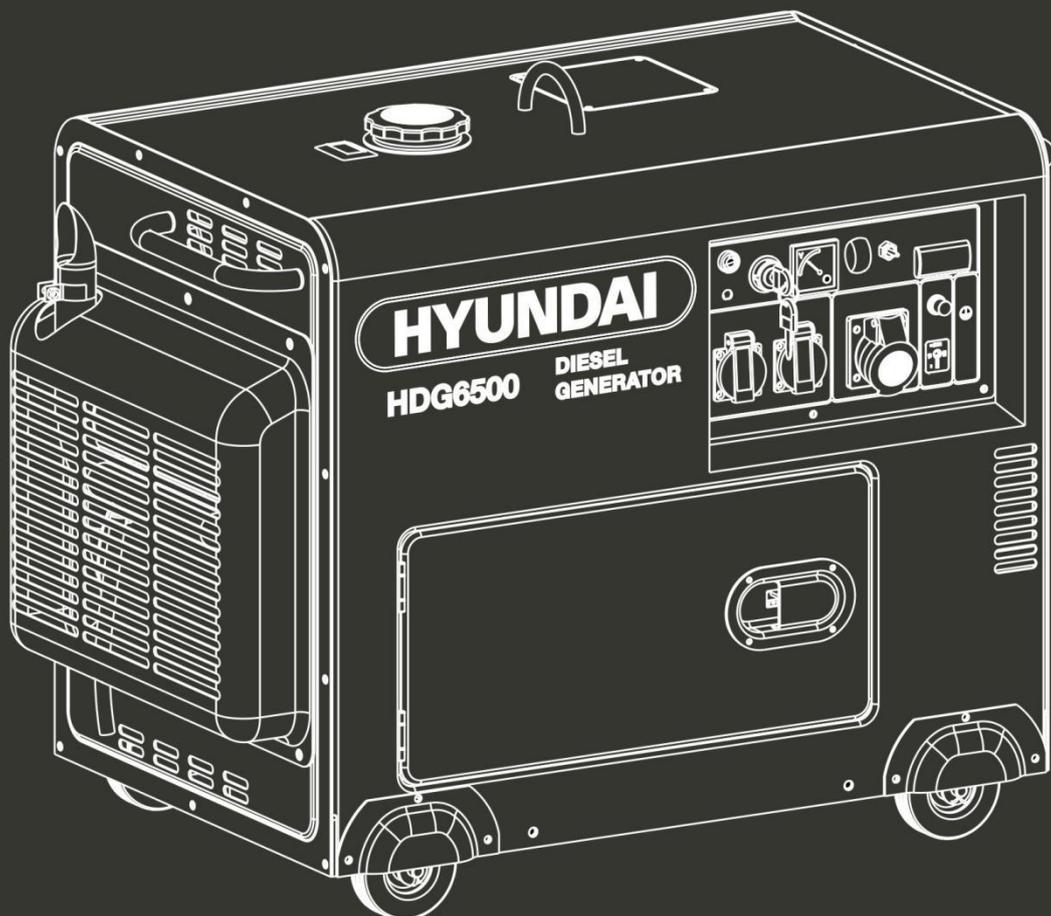
**HYUNDAI**  
POWER PRODUCTS

## **DIESEL GENERATOR**

Low power generating set

**HDG5000/HDG6500/HDG6500T**

## **ORIGINAL INSTRUCTIONS**



**WARNING:** Read thoroughly the instruction manual before use

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## 1. SAFETY WARNINGS

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- The operator must know the principles of functioning and the structure of the generator and the motor. He must know how to stop the motor in case of urgency and how to manipulate the controls.
- Never let children use this device.
- Never let people who do not know these instructions use this device. Local regulations may impose restrictions on the age of the user.
- Please do not use this device when people, especially children, or pets are nearby. Direct them away from the working area.
- The operator or the user are responsible for possible accidents or damage to other persons or to their property.
- Do not wear loose clothing or jewellery as this can get caught in the machinery as it runs.
- Use safety equipment. Wear protective gear such as an anti-dust mask, non-slip safety shoes, helmet or hearing protection.
- Stay vigilant, watch what you are doing and show good sense when you use the generator. Do not use if you are tired or under the influence of drugs, alcohol or medicines.
- Install the generator in a place that is well ventilated and make sure that there is at least 1.5 meters between the generator and the walls of the building or other equipment. Do not place flammable liquids or gases near the generator.
- Do not run the generator in an enclosed or badly-ventilated space. The exhaust gas from the motor contains carbon monoxide which is toxic and may lead to a loss of consciousness or death.
- Run the generator in respect of the power indicated in the user's manual. Do not run the generator with an overload or at excessive speed.
- The silencer of the generator becomes extremely hot when the motor runs or even for a time after it has stopped. Do not touch it as it will burn you.
- Do not transport or move the generator until it has cooled down.
- Perform periodic maintenance and resolve problems that appear immediately. Do not run the generator before correcting any fault detected.
- The generator uses a system of air-cooling, and it is necessary to clean its components regularly, including the grilles, the cover of the fan and the fan itself so as to ensure cooling.
- Keep the fuel filter clean, and change the oil of the motor regularly.
- Periodically check the installation of the connections and the tightness of the fixations, re-tightening them if necessary.
- Clean the components of the air filter periodically, and replace the air filter when necessary.
- Remove any electrical equipment that is plugged in before starting or stopping the generator.
- Before transporting the generator, you must empty the fuel tank.
- Maintenance and repair of the generator must be carried out by a qualified technician from an authorized after-sales service center.

- The adjustment points of the machine shall not be modified by the end-user. Any modification shall be done by a qualified service.
- Attention! Exhaust gases, oil and fuel are toxic. Do not operate the generator in a room without ventilation system.
- Refilling of the generating sets is not allowed during the operation.
- If the generator will be mounted in a closed room, relevant safety regulations against fire and explosion should be followed.
- Do not connect to household circuit.
- Do not use in wet condition.
- Keep in flammable away.
- Warning: when you start the generator with the cord, watch out for sudden changes in the rotation of the motor!!! Risk of wounding!!!
- Never cover the generator when it is running.
- The cut-out mounted on the generator has the aim of reducing the risk of electric shock. If it needs to be replaced with another cut-out, the latter must correspond to the technical specifications of the generator. Due to important mechanical constraints, it is necessary to use a flexible sheathed cable with a strong rubber protective layer (conforming to IEC 245-4) or a similar cable.
- When using extension lines or mobile distribution networks the resistance value shall not exceed 1,5  $\Omega$ . For reference, the total length of lines for a cross section of 1,5 mm<sup>2</sup> should not exceed 60 m; for a cross section of 2,5 mm<sup>2</sup>, this should not exceed 100 m (except the case the generating set complies with the protection feature “protection by electrical separation”)

### **Additional requirements for low-power generating sets for use by laymen**

- Protect children by keeping them at a safe distance from the generating set.
- Fuel is combustible and easily ignited. Do not refuel during operation. Do not refuel while smoking or near naked flames. Do not spill fuel.
- Some parts of the internal combustion engine are hot and may cause burns. Pay attention to the warnings on the generating set.
- Engine exhaust gases are toxic. Do not operate the generating set in unventilated rooms. When installed in ventilated rooms, additional requirements for fire and explosion protection shall be observed.
- Before use, the generating set and its electrical equipment (including lines and plug connections) should be checked to ensure that they are not defective.

- Protection against electrical shock depends on circuit breakers specially matched to the generating set. If the circuit breakers require replacement, they should be replaced with a circuit breaker having identical ratings and performances characteristics.
- Due to high mechanical stresses, only tough rubber-sheathed flexible cable (in accordance with IEC 60245-4) or the equivalent should be used.
- The user shall conform to regulations of electrical safety applicable to the place where the generating sets are used.
- The user must respect the requirements and precautions in the case of resupply by generating sets of an installation, depending on existing protective measures in this installation and applicable regulations.
- Generating sets should only be loaded up to their rated power under the rated ambient conditions.
- Prior to commencing maintenance work it shall be ensured that untimely start-up is not possible.

### **Security measures when filling the fuel tank**

- The fuel is extremely flammable and poisonous.
- This generator only uses petrol (gasoline); any other kind of fuel will damage the motor.
- Do not overfill the tank with petrol to avoid spilling. If you notice a spill, it must be wiped up completely with a dry cloth before starting the motor.
- If you swallow fuel by mistake, if you inhale fuel vapours or if you get drops of fuel in your eyes, see a doctor immediately. If a certain quantity of fuel is spilt on your skin or clothing, wash or change your clothes.
- Always stop the motor of the generator when filling it with fuel.
- Never fill the fuel tank while smoking or near a naked flame.
- Make sure you don't spill fuel on the motor and the exhaust grille of the generator during filling with fuel.
- Keep the fuel in an appropriate recipient and sheltered from any sources of fire.
- Carry out filling in a safe place, and slowly open the fuel cap to release the pressure which has built up inside the tank. Wipe up any drops of petrol that have spilled before starting the motor.
- To prevent fire, move the generator at least 4 meters away from the area for filling with fuel.
- Make sure that the fuel cap is tightly closed before starting.
- Do not keep petrol in the tank for a long time.

-  While using or transporting the generator, make sure you keep the generator upright, otherwise the fuel may escape from the carburetor or the fuel tank.



### **Electrical safety**

Before each use ensure that the load to be connected does not exceed the power of the current produced by the generator.

#### **To avoid electric shock, you must follow the following instructions:**

- Do not touch the generator with wet hands.
- Do not run the generator under rain or snow.
- Do not run the generator near water.
- Connect the generator to earth. Use a sufficiently thick conductor for the earth wire.
- Do not operate the generator in parallel with another generator.
- If using electrical extensions, make sure that they are sufficiently thick to transport the current and that they are used correctly.



The connection of a generator used for auxiliary power to the electrical installation of a building must be performed by a qualified electrician, and in conformity to the provisions of the applicable laws and norms in the field of electricity. Incorrect connections will cause leakage of the current from the generator into the lines of the public electricity company. Such leakage could electrocute the workers of the public electricity company working on the network or other persons in contact with the line during a power cut. Also, when the public power supply is re-established, the generator can explode, catch fire or generate fires in the building's electrical installation.



Before connecting electrical devices to the generator, make sure that their voltage specifications and frequency of functioning correspond to the technical characteristics of the generator. There may be damage if the device connected is not designed to function with a voltage tolerance of +/- 10% or a frequency tolerance of +/- 3 % compared with those of the generator.

## Protection of the environment

- You must periodically check the silencer (Before doing this, switch off the generator and let it cool completely). A damaged silencer increases noise.
- Do not throw motor oil into the drains but deposit it at a collection point set up for that purpose.
- The fuel for this machine is combustible and explosive. After stopping the machine, you must handle the remaining fuel correctly and meet local environmental requirements.

## Symbols



Do not expose the machine to rain and humidity



It is forbidden to run the generator in an enclosed room



Wear hearing protection



No naked flames



Caution



Carbon monoxide (CO) Danger



Electrical risk



Hot surface



Fire hazard



Read the operating instructions



Keep bystanders away



Guarantee sound power level

**CAUTION**

**FUEL**  
USE DIESEL FUEL.  
CLEAN FILTER EVERY 500hrs.

**LUBE OIL**  
SAE 10W30 GRADE CC.  
CHANGE LUBE OIL EVERY 100hrs.  
CLEAN FILTER EVERY 100hrs.

**STARTING**  
CHECK LUBE OIL LEVEL AND FUEL.  
FOR EASY STARTING IN COLD WEATHER, ADD 2cc LUBE OIL TO ROCKER ARM COVER.  
WARM UP WITHOUT LOAD.

**STOPPING**  
CLOSE FUEL COCK AFTER STOPPING ENGINE.

Fuel and oil requirements



Diesel fuel only

**CAUTION**

**DIESEL FUEL**  
**FLAMMABLE**

First using must change oil after 50 hrs and then oil change every 100hrs

DO NOT OPERATE THE ENGINE IN WATER OR RAIN

A ENGINE MUST BE TURNED OFF WHEN ADDING FUEL.  
A DO NOT OPERATE THE ENGINE INDOORS OR IN POORLY VENTILATED PLACES.  
A "SLOW" POSITION: NO LOAD ONLY.  
READ OPERATION MANUAL FOR COMPLETE INSTRUCTIONS




Fuel warning

**LOW OIL WARNING!**

IN THE CASE OF AUTO-STOP OR LIGHTING OF OIL PRESSURE ALERT LAMP. DO NOT RUN ENGINE WITHOUT CHECKING OIL LEVEL.

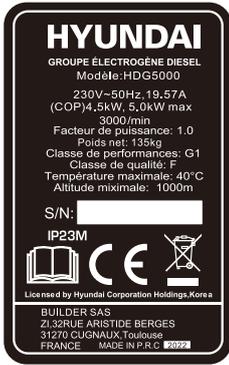
**CAUTION** CHECK ENGINE OIL EACH TIME FILLED SAE10W30 (CC CLASS)

Oil warning

**AIR CLEANER MAINTENANCE**

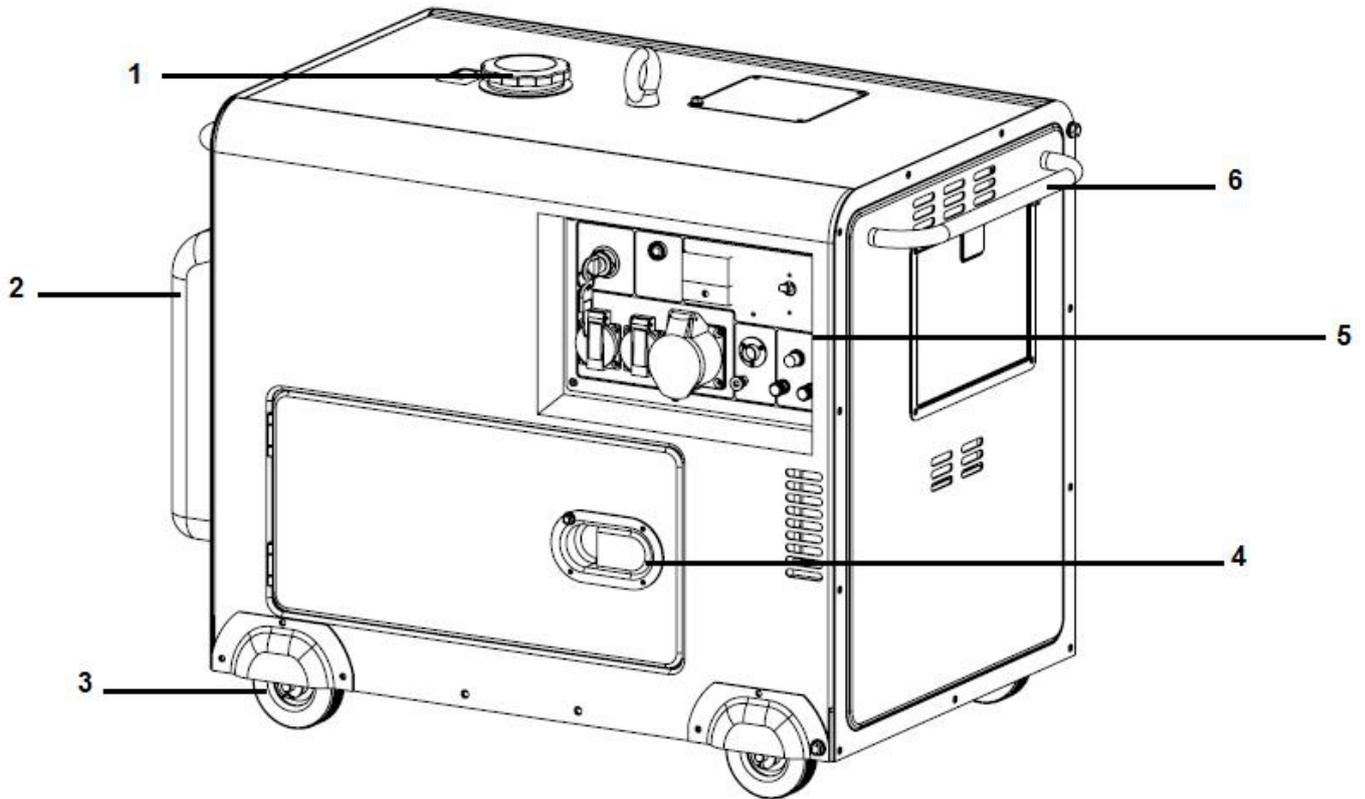
CLEAN ELEMENT EVERY 50 HOURS (EVERY 10 HOURS UNDER DUSTY CONDITIONS). WASH IN HIGH FLASH-POINT SOLVENT. SQUEEZE DRY, THEN DIP IN CLEAN ENGINE OIL AND SQUEEZE OUT EXCESS OIL.

Air cleaner maintenance instructions



Technical data label

## 2. DESCRIPTION



1. Diesel tank
2. Handle
3. Wheel
4. Box of command
5. Control panel
6. Handle

### 3. TECHNICAL INFORMATION

#### 3.1 Main data

	Model	HDG5000	HDG6500	HDG6500T
GENERATOR	Type	Single-phase	Single-phase	Three-phase
	Voltage Adjusting System	Automatic Voltage Regulation(AVR)	Automatic Voltage Regulation(AVR)	Automatic Voltage Regulation(AVR)
	Voltage/Frequency (V/Hz)	230V~ 50Hz	230V~ 50Hz	400V~ 50Hz
	Rated power (kW)	COP 4.5	COP 6.0	COP 6.0
	Max power (kW)	5.0	6.5	6.5
	Rated Current (A)	19.57	26.09	10.82
	Power Factor (cos Ø)	1.0	1.0	0.8
	DC output	12V/8.3A	12V/8.3A	12V/8.3A
ENGINE	Engine model	JD186	JD192	JD192
	Displacement (cc)	418	498	498
	Rated output kW(HP)	5.9(8.0) /3000min <sup>-1</sup>	7.5(10.2) /3000min <sup>-1</sup>	7.5(10.2) /3000min <sup>-1</sup>
	Fuel	Diesel light oil	Diesel light oil	Diesel light oil
	Fuel tank capacity (L)	15	25	25
	Engine oil capacity (L)	1.65	1.7	1.7
	Starting System	Electric	Electric	Electric
GENERATOR SET	Protective system of low oil pressure	YES	YES	YES
	Automatic Transfer Switching Equipment (ATS)	YES	YES	YES

Degree of protection	IP23M	IP23M	IP23M
Class quality	F	F	F
Performance class	G1	G1	G1
Protection class	Class I	Class I	Class I
Dimension L*W*H	918X537X690mm	918X537X790mm	918X537X790mm
Net Weight (kg)	135	150	153
Sound power level guarantee : $L_{wA}$	97dB(A)	97dB(A)	97dB(A)
Sound power level measured: $L_{wA}$	93.67dB(A)	93.67dB(A)	93.67dB(A)
Uncertainty of noise test	K=1.5dB(A)	K=1.5dB(A)	K=1.5dB(A)

### 3.2 Basic parameters

3.2.1 Under the following conditions, the generator set should output the rated power:

Altitude height(m)	Ambient temperature(°C)	Relative humidity (%)
0	25	30

3.2.2 Under the following conditions, the generator set should output the stipulated power and work reliably.

Altitude height(m)	Ambient temperature(°C)	Relative humidity (%)
<1000	5-40	90

## 4. BEFORE STARTING

The installation and major repair work shall be carried out only by specifically trained personnel. install the generator set on the place where it is flat by placing it horizontally. Protect children by keeping them at a safe distance from the generating set. A generating set may cause hazards that are not recognized by the layman and especially children. Safe operation requires sufficient operator knowledge of the functions and positions of the controls and indicators or meters. Before use, the generating set and its electrical equipment (including lines and plug connections) should be checked to ensure that they are not defective.

## 4.1 Handling your engine oil.

### WARNING:

- The engine may be damaged if operated with insufficient lube oil. It is also dangerous to supply too much lube oil to the engine because a sudden increase in engine rpm could be caused by its combustion. Always check the lube oil level before starting the engine and refill if necessary.

To fill the oil tank, open the command box. Open the oil tank. Fill the oil tank without overfilling. Wipe any spillage. Close the oil tank.

### Use proper lube oil preserves your engine

#### ENGINE OIL

Always use oil with the right viscosity for the ambient temperature in which your engine is being operated. Use the chart mentioned right side when choosing your engine oil.

Type of oil: SAE 10W/30

Model	HDG5000	HDG6500	HDG6500T
lube oil capacity (L)	1.65	1.7	1.7

### CAUTION:

- When checking the oil level, make sure your engine is sitting level. If it is tilted, you may add either too much or too little oil. If you over fill, your engine will consume too much oil and the oil temperature will become dangerously high; if you do not add enough oil, your engine could seize up.
- When checking the oil, simply dip the dipstick into the oil pan. Do not screw in the dipstick.
- Be sure to check the engine on a level surface with the engine stopped.

## 4.2 Selection and handling of fuel

Only use diesel fuel

When filling the fuel tank from drums, make sure that no dust or water are mixed in the fuel.

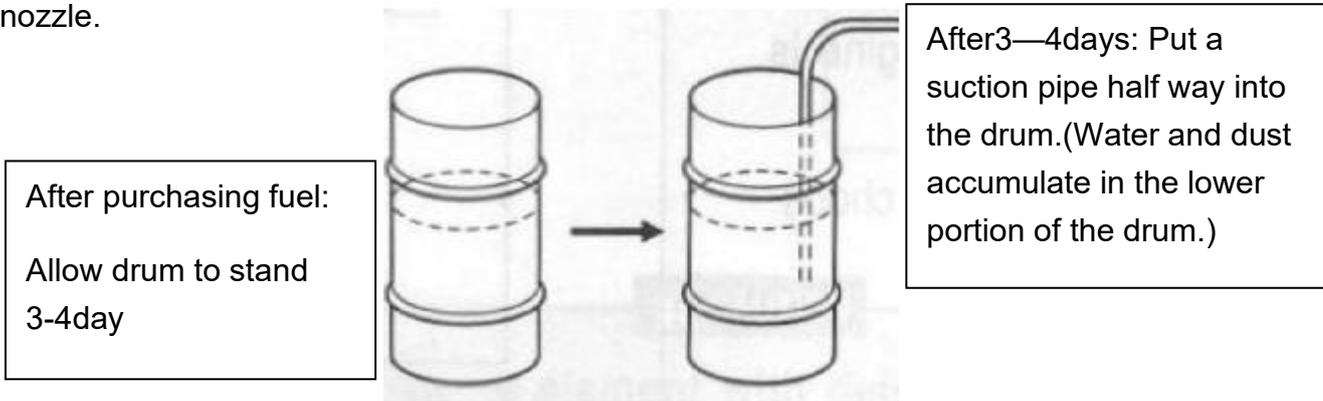
To fill the fuel tank, open the cover which is on the top of the machine. Fill the tank with fuel. Do not overfill. Close the tank. Wipe any spillage.

### CAUTION:

- Only use the recommended diesel fuel.

Use of non-recommended fuel may cause the engine damage.

- Fuel should have a certain value of more than 45 in order to prevent difficult starting, misfiring, and white exhaust smoke.
- Diesel fuel substitutes are not recommended; they may be harmful to the fuel system components.
- Fuel should be free of water or dust because these cause trouble in the fuel injection pump and nozzle.



**WARNING:**

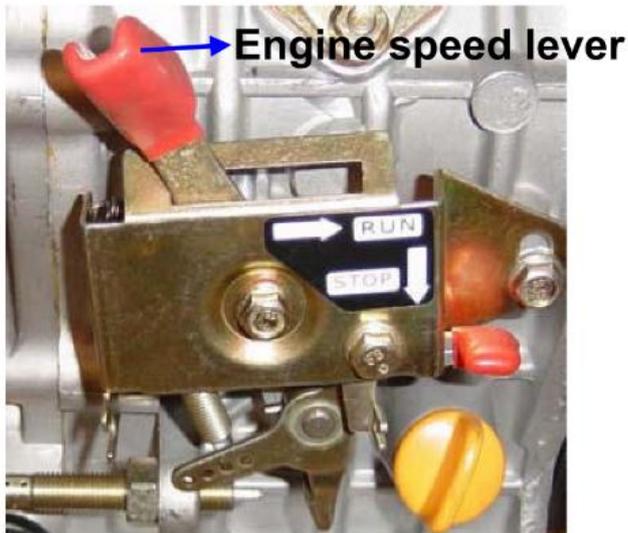
- Refuel in a well-ventilated area with the engine stopped.
- Do not smoke or allow flames or sparks in the area where the engine is refueled or where gasoline is stored.
- Do not overfill the tank and make sure the filler cap is securely closed after refueling.
- Be careful not to spill fuel when refueling. If any fuel is spilled, make sure the area is dry before starting the engine.

**5. USE**

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**5.1 Starting**

- Open the box of command.
- Be sure that the circuit breaker is on the OFF position. Check the fuel and oil tank and refill if necessary.
- Turn on the fuel switch.
- Turn the lever of the engine to the “RUN” position.



- e) Turn the starting key clockwise to "START" position.
- f) Remove your hand from the key as soon as the engine starts.
- g) If the engine doesn't start after 10 seconds, wait a while (for about 15 seconds) before attempting to start again.

**CAUTION:**

- If the starting motor is turned for too long, the battery will go flat and motor seizure will occur.

Always leave the starting key turned on, at the RUN position, while the engine is running. Battery

Waste oil and waste battery should be stored with a specialized container and hand over to recycle bin in time.

**5.2 Operate your generator**

- (1) Warm up the engine without load for about 3minutes.
- (2) The generator is equipped with low oil warning system. The engine will stop automatically in case of low oil pressure or a lubrication oil shortage. The engine will stop immediately if restarted without a lubrication oil refill. Check the oil level and refill.
- (3) Do not loosen or readjust either the engine speed limiting bolt or fuel injection limiting bolt (They had been already well adjusted before in factory) otherwise, performance may be affected.

**5.3 Checks during operation**

- (1) Any abnormal sound or vibration?
- (2) The engine misfiring or running rough?
- (3) What about the color of the exhaust gas? (Is it black or too white?).

If you notice any situation mentioned above, please contact your dealer.

## 5.4 Load

To add load according to specified parameter.

A.C application

(1) Set the AC breaker to "ON". Pilot lamp will illuminate, the speed of generator must reach rated speed (lever at top).

(2) Insert to the receptacle the plugs of electric instruments to be connected, keep the switches of the connected electric instruments to "OFF".

### **CAUTION:**

- The instruments which require much starting current and some kinds of motors may be unable to be use even if they are within the applicable scope.
- The circuit breaker turns "OFF" when the current exceeding the applicable scope is used or when the applied instrument is defective.
- The current of the instruments which should not exceed the rated current showed on the socket, or else it may damage the machine.

DC application

(1) When the instruments connect with the Dc terminal, please make sure to the positive polarity.

(2) DC output 12V, 8.3A.

- Generating sets should only be loaded up to their rated power under the rated ambient conditions. If generating set use is under conditions which do not conform to the reference conditions as stipulated in ISO 8528-8:2016, 7.1 and if cooling of the engine or alternator is impaired, e.g. as a result of operation in restricted areas, a reduction in power is necessary. Information should be provided to inform the user of the necessary reduction in power due to use in higher temperatures, altitude and humidity than those given in the reference conditions.

## 5.5. Stopping your generator

(1) Set the AC breaker to "OFF"

(2) Pull out the plug of an electric appliance from the socket.

(3) Move the engine speed lever to low speed, and run the engine for about 3 minutes with no load.

(4) Return the engine speed lever to the "STOP" position.

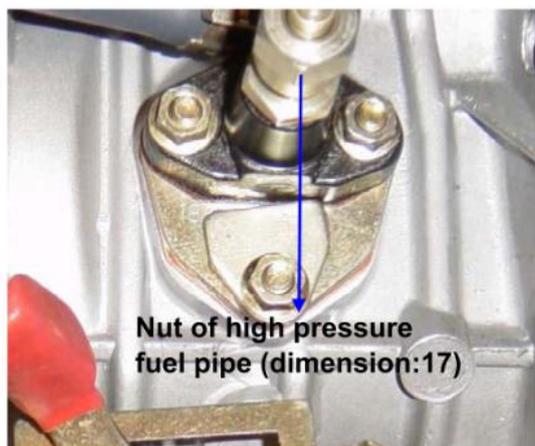
(5) In electric-start models, return the starter key to the "OFF" position.

**WARNING:**

- If the engine keeps on running even after the speed lever is placed at “STOP” position, stop the engine loosening the nut of the high pressure fuel pipe on pump side.

**CAUTION**

- When stopping the engine, reduce the load slowly. Do not stop the engine suddenly since it may cause the temperature to rise abnormally.
- Do not stop the engine with the decompression lever.



**6. MAINTENANCE**

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**6.1 Periodic checks and maintenance**

Periodic checks and maintenance are very important for keeping the engine in good condition and durable. The mark (•) indicates that special tools and skills are required; you have to contact your dealer. The mark (o) indicates that layman can operate.

**WARNING:**

Shut off the engine before performing any maintenance. If the engine must be run, make sure the area is well ventilated. The exhaust contains poisonous carbon monoxide gas.

Prior to commencing maintenance work it must be sure that untimely start-up is not possible.

Maintenance schedule

Operation hours Item	Daily	First month	Every 3 month	Every 6 month	Every 1 year
		Or 20h	Or 100h	Or 300h	Or 1000h

Check and tighten bolt and nut	o				
Check and resupply engine oil	o				
Replace engine oil		O ( 1 <sup>st</sup> time)	O ( 2 <sup>nd</sup> time and thereafter)		
Clean and replace oil filter			O	● Replace if necessary	
Check oil leakage	o				
Replace air cleaner element		Service more frequently when used in dusty areas		o	
Drain the fuel tank	Monthly				
Clean and replace fuel filter			O ( clean )	O ( replace )	
Check fuel injection nozzle				●	
Check fuel injection pump				●	
Check fuel piping				O ( Replace if necessary )	
Adjust in take/exhaust valves head clearance		O ( 1 <sup>st</sup> time)		O	
Check and lap in take exhaust valve seat					●
Replace piston rings					●
Check battery liquid	Monthly				

## 6.2 Changing engine oil

Remove the oil filter cap, remove the drain plug and drain the used oil while the engine is still warm. The plug is located on the bottom of the cylinder block. Tighten the drain plug and refill with the recommended oil.

### 6.2.1 Clean the oil filter

Loosen the fixing bolt and then pull out the oil filter.

Clean => Every 3 months or 100 hours

### 6.2.2 Change the air cleaner element

Do not wash the air cleaner element with detergent because this is a dry type element.

Change=> Every 6 months or 300 hours (or earlier if dirty)

### **CAUTION:**

Never run the engine without the element or with a defective element.

### 6.2.3 Cleaning

The fuel filter also has to be cleaned regularly to insure maximum engine output.

Clean => Every 3 months or 100 hours

Replace=> Every 6 months or 300 hours

### 6.2.4 Checking the injection nozzle injection pump etc.

This requires special tools and skills, so contact your dealer.

### 6.2.5 Replacing piston ring

This requires special tools and skills, so contact your dealer.

## 6.3 Long term storage

If your generator set should be stored in a long time, the following preparation should be made:

- (1) Operate the diesel engine about 3 minutes, and stop it.
- (2) Stop the engine. Drain the engine lube oil while the engine is still warm and fill with new oil.
- (3) Electric starting

Turn the engine for 2-3 seconds. Lever set at the non-compression position, and the starter key at the "START" position. (Do not start the engine)

- (4) Clean and store it in a dry place.

## 7. ENVIRONMENT

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1. Ambient temperature: 5-40°C.
2. Humidity: Under 50% when the ambient temperature is 40°C, under 90% when ambient temperature is 20°C.
3. Altitude: under 1000 m.
4. Generating sets should only be loaded up to their rated power under the rated ambient conditions. If generating set use is under conditions which do not conform to the reference conditions as stipulated in ISO 8528-8:2016, 7.1 (Environment temperature 25 °C, atmospheric pressure 100 kpa, relative humidity 30%), and if cooling of the engine or alternator is impaired, e.g. as a result of operation in restricted areas, a reduction in power is necessary. please contact us to inform the reduction.
5. When use the generating set, please conform to regulations of electrical safety applicable to the place where the generating sets are used.
6. The generating set shall not be connected to other power sources, such as the power company supply mains.

Please dispose of used motor fluids in a manner that is compatible with the environment We suggest you take it in a sealed container to your local service station or recycling center for reclamation. Do not throw it in the trash or pour it on the ground.

## 8. TRANSPORT AND STORAGE

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- When transporting the generator, make sure that the main switch is set to “OFF” and the fuel valve to the “Closed” position.
- Keep the generator in horizontal, prevent the fuel overflow. Fuel vapor or spilled fuel may be easily ignited. Fuel come into contact with the hot surface of the object is extremely easy to burn.
- Before the transportation and storage, the generator should be shut down.
- Please make sure that generator set will not fall down during the transportation .please do not place heavy article on the generator during transportation, storage, or in the use
- The temperature should be between 25°C to 55°C.
- If the generator is used for long time, make sure the fuel is used up or drain the fuel in a reliable container.

## 9. DISPOSAL

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Electrical products should not be discarded with household products. According to the European Directive 2012/19/EU on waste electrical and electronic equipment and its implementation into national law, electrical products used must be collected separately and disposed of at collection points provided for this purpose. Talk with your local authorities or dealer for advice on recycling.

## 10. EC DECLARATION OF CONFORMITY

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Declaration of conformity

BUILDER SAS

ZI, 32 RUE ARISTIDE BERGES – 312070 CUGNAUX – FRANCE

Declares that the machinery designated below:

DIESEL GENERATOR

HDG5000 / HDG6500T

Serial number:

HDG5000 : 20221228488-20221228523

HDG6500T: 20221228524-20221228547

Complies with the provisions of the Directive “machinery” 2006/42/CE and national laws transposing it:

Also complies with the following European directives:

EMC Directive 2014/30/EU

RoHS Directive (EU) 2015/863 amending 2011/65/EU

Emission directive (EU) 2016/1628 & 2018/989/EU

Noise directive 2000/14/CE Annex VI + 2005/88/CE

Also complies with European standards, with national standards and the following technical provisions:

EN60204-1:2018

EN ISO 8528-13:2016

ISO12100: 2010

EN 55012:2007+A1:2009

EN 61000-6-1:2007

Notified body of noise certificate:

Société Nationale de Certification et d'Homologation NB 0499, 11, route de Luxembourg, L-5230 Sandweiler

Measured sound power level, L<sub>WA</sub>: 93.67 dB, K = 1.5 dB(A)

Guaranteed Sound power level: 97 dB(A)

Responsible for the technical file: Michel Krebs

Cugnaux, 23/09/2022

Philippe MARIE / PDG

## 11. WARRANTY

# HYUNDAI

## WARRANTY

The manufacturer guarantees the product against defects in material and workmanship for a period of 2 years from the date of the original purchase. The warranty only applies if the product is for household use. The warranty does not cover breakdowns due to normal wear and tear.

The manufacturer agrees to replace parts identified as defective by the designated distributor. The manufacturer does not accept responsibility for the replacement of the machine, in whole or in part, and/or ensuing damage.

### The warranty does not cover breakdowns due to:

- insufficient maintenance.
- abnormal assembly, adjustment or operations of the product.
- parts subject to normal wear and tear.

### The warranty does not extend to:

- shipping and packaging costs.
- using the tool for a purpose other than that for which it was designed.
- the use and maintenance of the machine done in a manner not described in the user manual.

Due to our policy of continuous product improvement, we reserve the right to alter or change specifications without notice. Consequently, the product may be different from the information contained therein, but a modification will be undertaken without notice if it is recognized as an improvement of the preceding characteristic.

### READ THE MANUAL CAREFULLY BEFORE USING THE MACHINE.

When ordering spare parts, please indicate the part number or code, you can find this in the spare parts list in this manual. Keep the purchase receipt; without it, the warranty is invalid. To help you with your product, we invite you to contact us by phone or via our website:

- **+33 (0)9.70.75.30.30**
- **<https://services.swap-europe.com/contact>**

You must create a "ticket" via the web platform.

- Register or create your account.
- Indicate the reference of the tool.
- Choose the subject of your request.
- Describe your problem.
- Attach these files: invoice or sales receipt, photo of the identification plate (serial number), photo of the part you need (for example: pins on the transformer plug which are broken).



# 12. PRODUCT FAILURE

## WHAT TO DO IF MY MACHINE BREAKS DOWN?

### If you bought your product in a store:

- a) Empty the fuel tank if your product has one.
- b) Make sure that your machine is complete with all accessories supplied, and clean! If this is not the case, the repairer will refuse the machine.

Go to the store with the complete machine and with the receipt or invoice.

### If you bought your product on a website:

- a) Empty the fuel tank if your product has one..
- b) Make sure that your machine is complete with all accessories supplied, and clean! If this is not the case, the repairer will refuse the machine.
- c) Create a SWAP-Europe service ticket on the site: <https://services.swap-europe.com> When making the request on SWAP-Europe, you must attach the invoice and the photo of the nameplate (serial number).
- d) Contact the repair station to make sure it is available before dropping off the machine.

Go to the repair station with the complete machine packed, accompanied by the purchase invoice and the station support sheet downloadable after the service request is completed on the SWAP-Europe site

For machines with engine failure from manufacturers BRIGGS & STRATTON, HONDA and RATO, please refer to the following instructions.

Repairs will be done by approved engine manufacturers of these manufacturers, see their site:

- <http://www.briggsandstratton.com/eu/fr>
- <http://www.honda-engines-eu.com/fr/service-network-page;jsessionid=5EE8456CF39CD572AA2AEEDFD290CDAE>
- <https://www.rato-europe.com/it/service-network>

**Please keep your original packaging to allow for after-sales service returns or pack your machine with a similar cardboard box of the same dimensions.**

**For any question concerning our after-sales service you can make a request on our website <https://services.swap-europe.com>**

**Our hotline remains available at +33 (9) 70 75 30 30.**



# 13. WARRANTY EXCLUSIONS

## THE WARRANTY DOES NOT COVER:

- Start-up and setting up of the product.
- Damage resulting from normal wear and tear of the product.
- Damage resulting from improper use of the product.
- Damage resulting from assembly or start-up not in accordance with the user manual.
- Breakdowns related to carburetion beyond 90 days and fouling of carburetors.
- Periodic and standard maintenance events.
- Actions of modification and dismantling that directly void the warranty.
- Products whose original authentication marking (brand, serial number) has been degraded, altered or withdrawn.
- Replacement of consumables.
- The use of non-original parts.
- Breakage of parts following impacts or projections.
- Accessories breakdowns.
- Defects and their consequences linked to any external cause.
- Loss of components and loss due to insufficient screwing.
- Cutting components and any damage related to the loosening of parts.
- Overload or overheating.
- Poor power supply quality: faulty voltage, voltage error, etc.
- Damages resulting from the deprivation of enjoyment of the product during the time necessary for repairs and more generally the costs related to the immobilization of the product.
- The costs of a second opinion established by a third party following an estimate by a SWAP-Europe repair station
- The use of a product which would show a defect or a breakage which was not the subject of an immediate report and/or repair with the services of SWAP-Europe.
- Deterioration linked to transport and storage\*.
- Launchers beyond 90 days.
- Oil, petrol, grease.
- Damages related to the use of non-compliant fuels or lubricants.

\* In accordance with transport legislation, damage related to transport must be declared to carriers within 48 hours maximum after observation by registered letter with acknowledgement of receipt.

This document is a supplement to your notice, a non-exhaustive list.

**Attention:** all orders must be checked in the presence of the delivery person. In case of refusal by the delivery person, it you must simply refuse the delivery and notify your refusal.

**Reminder:** the reserves do not exclude the notification by registered letter with acknowledgement within 72 hours.

**Information:** Thermal devices must be wintered each season (service available on the SWAP-Europe site). Batteries must be charged before being stored.

**HYUNDAI**  
POWER PRODUCTS

**For inquiries, please contact:**

BUILDER SAS

32 rue Aristide Bergès - Z.I. du Casque - 31270 Cugnaux - France

Tél.: +33(0)5.34.502.502 Fax.: +33(0)5.34.502.503

<http://www.hyundaipower-fr.com/>

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