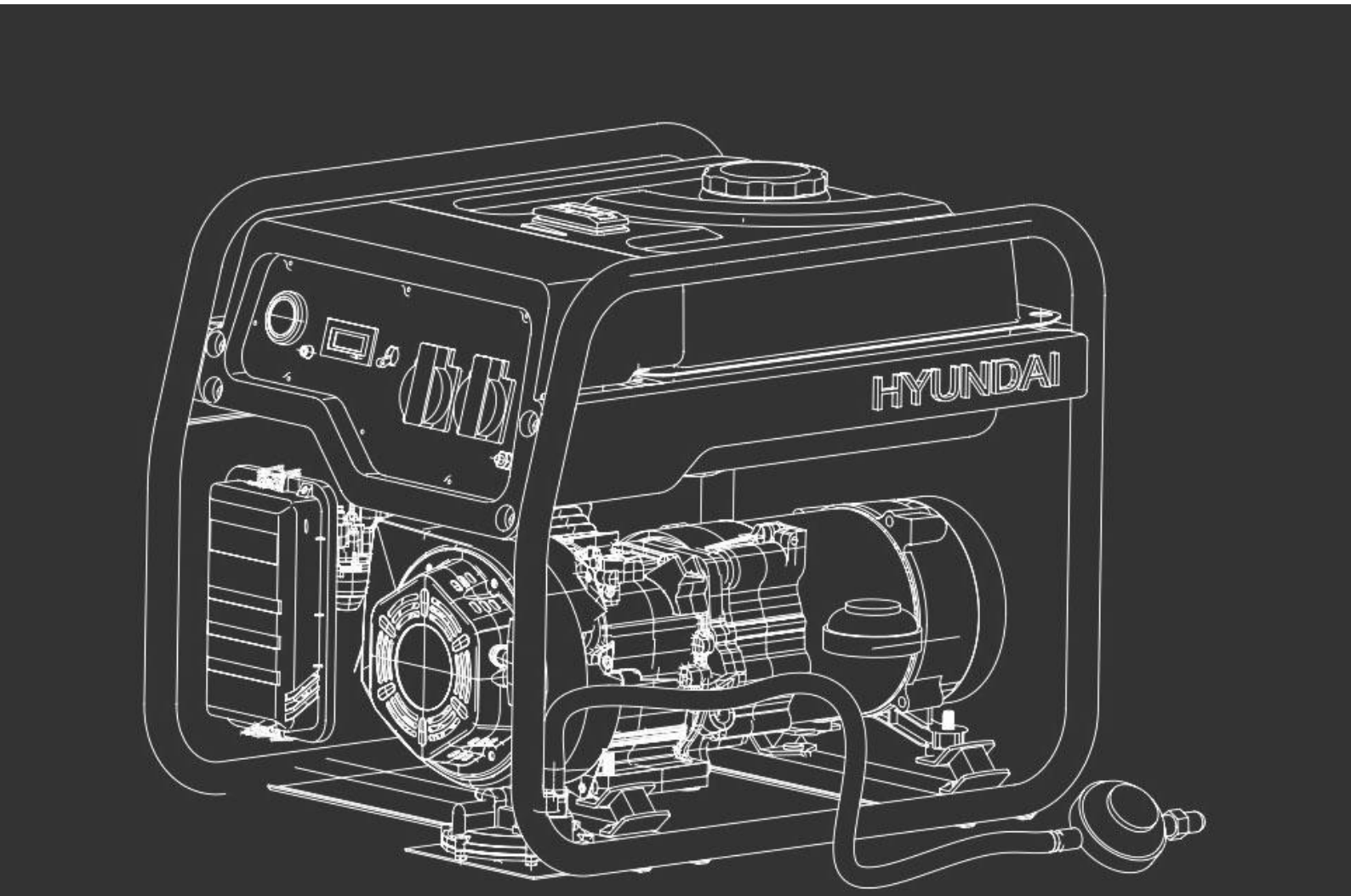
HYUNDAI
POWER PRODUCTS

DUAL FUEL OPEN FRAME GENERATOR
HY3800LE-LPG
HY10000LE-LPG

User Manual



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1. SAFETY

1.1 General Safety Notes.

1.2 The operator of the machine is responsible for, and has a duty of care in making sure that the machine is operated safely and in accordance with the instructions in this user manual. Keep the manual safe and pass it on if the machine is loaned or sold to another user.

1.3 Please note the following safety points.

1.4 The machine should never be left it in a condition which would allow an untrained or unauthorised person/s to operate this machine.

1.5 All due care and diligence should be taken by the operator for the safety of and with regard to those around whilst using the machine.

1.6 Some or all of the following - warning signs, symbols and/or PPE pictograms may appear throughout this manual. You **MUST** adhere to their warnings. Failure to do so may result in personal injury to yourself or those around you.

DANGER

Indicates a hazard, which, if not avoided, could result in serious injury or death.

WARNING

Indicates a hazard, which, if not avoided, could result in serious injury.

CAUTION

Indicates a hazard which, if not avoided, might result in minor or moderate injury.

NOTE

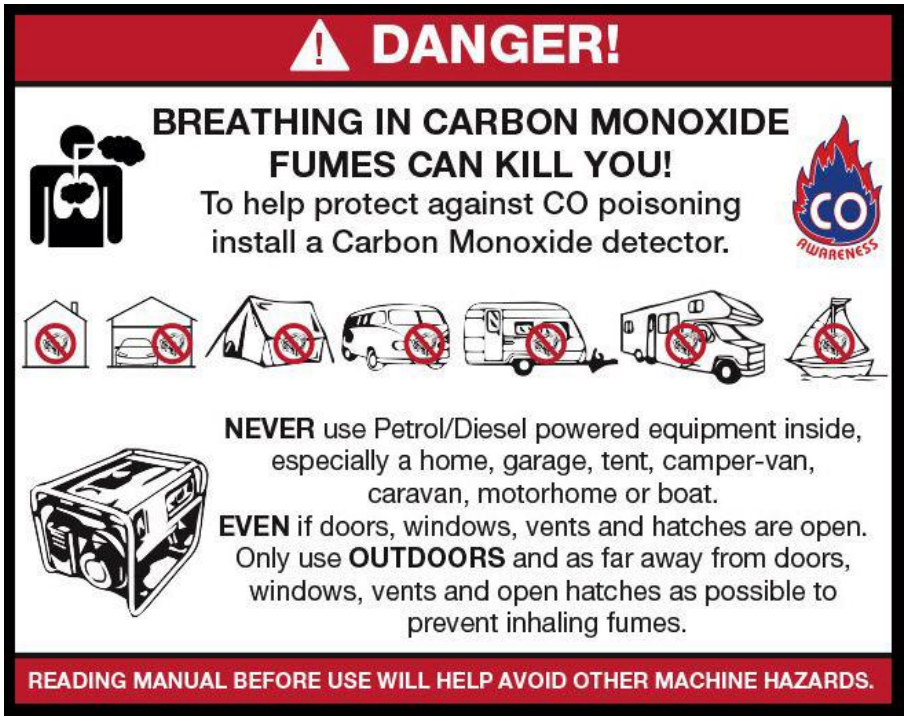
Indicates a situation that could easily result in equipment damage.

READ and keep the manual safe and pass it on if the machine is loaned or sold to another user.

You MUST fully understand all instructions to ensure you use and operate the machine safely.

Appropriate Personal Protective Equipment (PPE), **MUST** be worn at all times when operating or repairing the machine.

1.10 Carbon Monoxide (where applicable).



1.11 Carbon monoxide is a colourless and odourless gas. Inhaling this gas can cause death as well as serious long term health problems such as brain damage.

1.12 The symptoms of carbon monoxide poisoning can include but are not limited to the following;
Headaches, dizziness, nausea, breathlessness, collapsing or loss of consciousness.

1.13 Carbon monoxide poisoning symptoms are similar to flue, food poisoning, viral infections and simply tiredness. It is quite common for people to mistake this very dangerous poisoning for something else.

1.14 To avoid carbon monoxide poisoning **DO NOT** use Petrol/Diesel powered equipment inside any of the following; Home, garage, tent, camper van, mobile home, caravan or boat. This is not exhaustive and if you are in any doubt contact your dealer.

1.15 If you think you have or someone around you has been affected by carbon monoxide poisoning;

1.16 Get them fresh air immediately, by leaving the affected area or by opening doors and windows. If safe and practical to do so make sure that the machine is turned off.
DO NOT enter a room you suspect of having carbon monoxide present – instead call the emergency services.

1.17 Contact a Doctor immediately or go to Hospital – let them know that you suspect carbon monoxide poisoning.

1.18 **DO NOT** use in an enclosed area or moving vehicle.

1.20 General Fuel Safety (where applicable).

CAUTION

ALL FUELS ARE FLAMABLE

1.21 Fire Hazard – keep fuel away from all sources of ignition for example heaters. Lamps, sparks from grinding or welding.

1.22 **DO NOT** carry out hot work on tanks that have contained fuel.

1.23 **ALWAYS** keep the work area tidy.

1.24 **ALWAYS** clean up spills promptly using absorbent granules and a lidded bin.

1.25 **ALWAYS** dispose of waste fuels correctly.

1.30 Fueling/De-fueling (where applicable).

CAUTION

ALL FUELS ARE FLAMABLE

1.31 **ALWAYS** fuel and defuel in a well ventilated area outside of buildings.

1.32 **ALWAYS** wear correct, suitable and fit for purpose Personal Protective Equipment (PPE), suggested items are but not limited to safety gloves, overalls.

1.33 When fueling/de-fueling **ALWAYS** avoid inhaling fumes.

1.34 When de-fueling **ALWAYS** use a proper fuel retriever.

1.35 **ALWAYS** carry fuel in the correct and clearly marked container.

1.40 Electrical Safety (where applicable).

1.41 Electricity can kill – **NEVER** work on **LIVE/ENERGISED** equipment.

1.42 Prior to carrying out any maintenance work you **MUST** identify electrical isolation methods and isolate all electrical supplies.

1.43 Prior to use and with all electrical supplies isolated, you **MUST** check all electrical cables, plugs and connectors for the following;

1.44 Are intact and have no signs of damage, to include but not limited to bare wires, chaffing, cuts and loose wiring.

1.45 If there are any signs of damage, the damaged item **MUST** be taken out of service until the damage has been repaired by an electrically competent person.

1.46 All trailing cables should be routed so as not to cause any kind of trip hazard.

1.47 

NEVER work on or near electricity with wet hands, wet clothing and wet gloves.

1.50 Batteries (where present).

1.51 Batteries present a risk if they become damaged by the possible leaking of electrolyte. This electrolyte is an acid and can cause serious burn injuries. Care should be taken when working on or near them. **NOTE** the electrolyte may be in a liquid or gel form.

1.52 Should you come in to contact with electrolyte you should;

1.53 Remove all clothing contaminated with electrolyte. If you cannot remove then saturate them in water.

1.54 Get medical assistance as soon as possible. You must advise the medical staff of the type of acid.

1.55 Lead/acid battery = dilute sulphuric acid.

1.56 Nickel/cadmium = potassium hydroxide alkali electrolyte.

1.57 Use fresh running water to wash off excess electrolyte, continue this until medical assistance arrives. Make sure that you do not was the electrolyte to another part of your body or face.

1.58 If electrolyte comes in to contact with Eyes the electrolyte needs to be immediately washed away with large amounts of water. Make sure that you do not wash the electrolyte to another part of your face or body.

1.59 Gasses from charging batteries are highly flammable and great care should be taken to charge in well ventilated areas.

1.59.1 

There is an explosion risk if the battery terminals are short circuited, when connecting/disconnecting **ALWAYS** exercise great care so that the terminals or battery leads are **NOT** allowed to touch and cause a spark. **ALWAYS** use suitable insulated tools.

1.60 Vibrations (where applicable).

1.61 Prolonged use of hand held (operated) machines will cause the user to feel the effects of/from vibrations. These vibrations can lead to white finger (Raynaud's phenomenon) or carpal tunnel syndrome. This condition reduces the ability of the hand to feel and regulate temperature, causing numbness and heat sensations and may cause never damage and circulatory tissue death.

1.62 Not all factors that lead to white finger disease are known, but cold weather, smoking and other diseases that affect blood vessels and blood circulation as well as large and long-lasting impact of shocks are considered factors in the formation of white finger. Note the following to reduce the risk of white finger and carpal tunnel syndrome;

1.63 Wear gloves and keep your hands warm.

1.64 Take regular breaks.

1.65 All of the above precautions may help reduce the risk of white finger disease but not rule out the carpal tunnel syndrome. Long-term and regular users are therefore

recommended to observe the condition of your hands and fingers. Seek medical attention immediately if any of the above symptoms should occur.

1.70 Noise (where applicable).

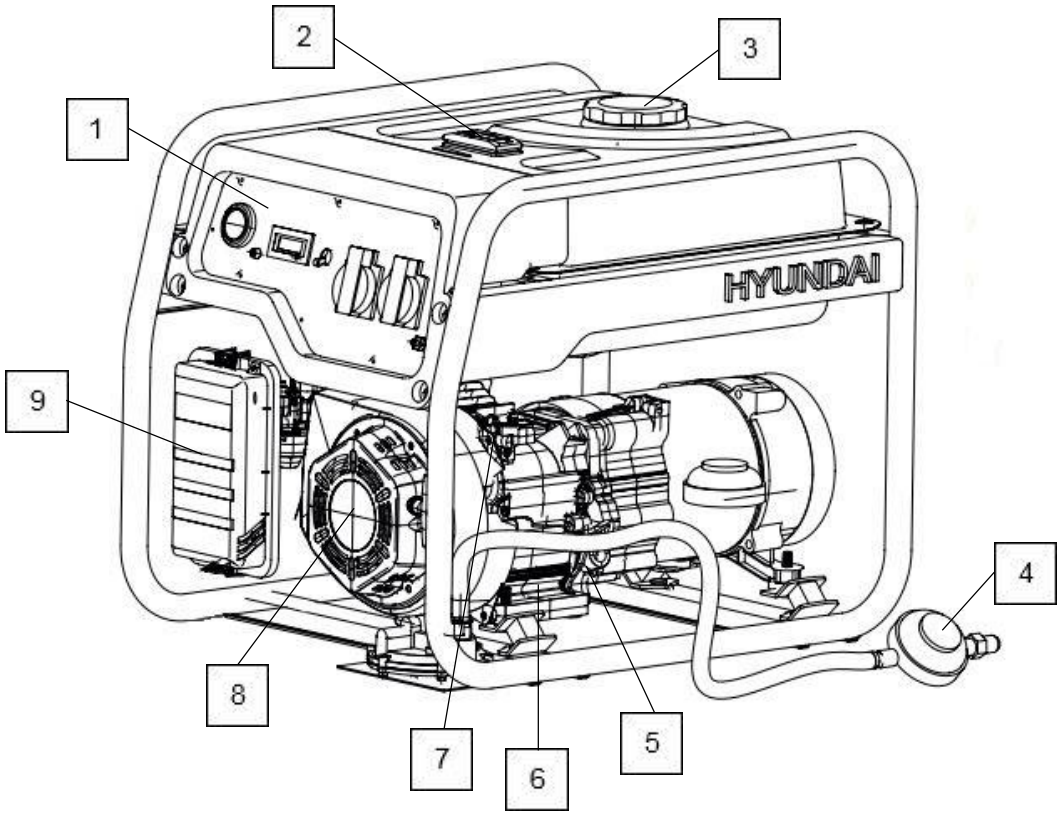
1.71 The operating noise of the machine can damage your hearing. Wear hearing protection such as earplugs or ear defenders to protect your hearing. Long-term and regular users are advised to have hearing checked regularly. Be especially vigilant and cautious when hearing ear protection because your ability to hear alarm warnings will be reduced.

1.72 Noise emissions for this equipment is unavoidable. Carry out noisy work at approved times and for certain periods. Limit the working time to a minimum. For your personal protection and protection of people working nearby it is also advisable for them to wear hearing protection.

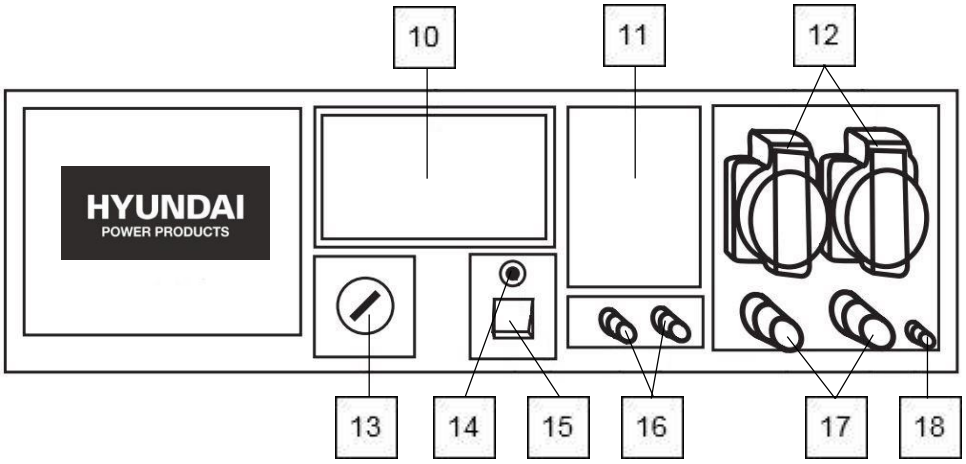
1.73 

See Certificate of Conformity section for Outdoor Noise declaration of conformity.

2. PART LOCATIONS



1	Control Panel	6	Oil Drain Plug
2	Fuel Gauge	7	Fuel Valve
3	Fuel Filler Cap	8	Recoil Start Handle
4	LPG Connector	9	Air Filter
5	Oil Filler/Dipstick		



10	LED Display	15	ATS Switch
11	Circuit Breaker	16	12v DC Sockets
12	Sockets	17	ATS Sockets
13	Ignition Key	18	Grounding Point
14	ATS Indicator		

3. PREPARATION FOR USE

CAUTION

If using LPG as the fuel source, you MUST ensure the fuel tank has been completely drained of any petrol before switching to LPG.

NOTE

This machine is shipped without fuel or oil.
Fuel and Oil levels must be checked and maintained before each use.

OIL

Recommended Oil: Semi Synthetic SAE15W40 Engine Oil

3.0 Place the generator on a flat level surface.

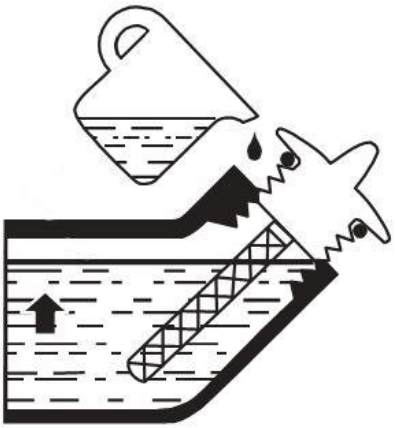
3.1 Clean the area around the oil filler and remove the oil filler cap/dipstick.

3.2 Slowly fill the engine with oil through the oil filler until it reaches the upper thread of the filler hole or the upper limit level mark on the dipstick.

3.3 Stop filling occasionally to check the level.
DO NOT overfill.

3.4 Refit the oil filler cap and tighten securely.

3.5 You MUST check the engine oil level before starting every session.



FUEL

CAUTION

ALL FUELS ARE FLAMMABLE
Always fuel and defuel in a well-ventilated area away from any sources of ignition.
Always allow the engine to cool completely before refuelling or defueling.

3.6 Place the generator on a flat level surface in a well-ventilated area.

3.7 Ensure fuelling takes place away from any possible sources of ignition.

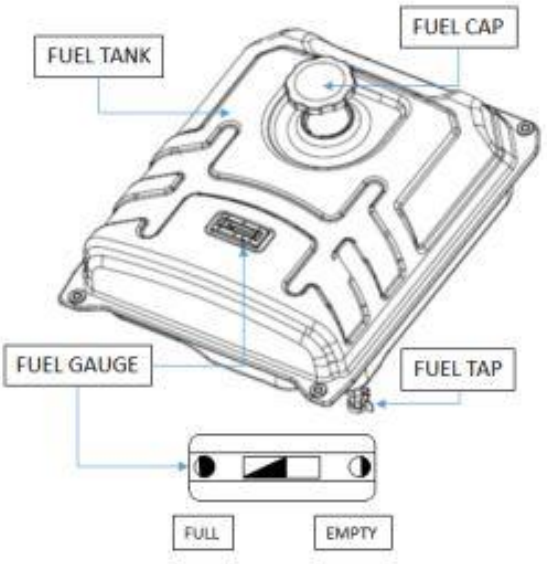
3.8 Allow the engine to cool completely before fuelling.

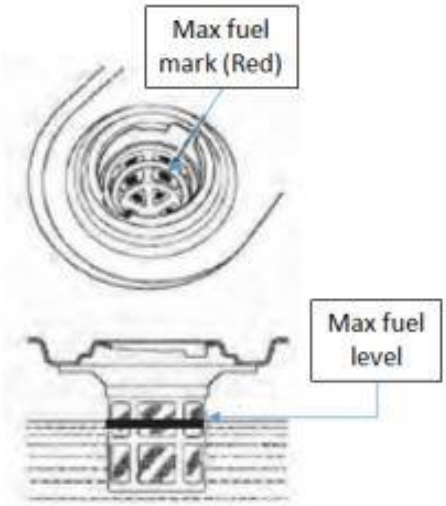
3.9 Clean the area around the fuel filler cap and remove the cap.

3.10 Slowly fill the engine with fresh unleaded petrol.
DO NOT mix fuel with oil.

3.11 Allow a 25mm gap between the top of the fuel and the top of the fuel tank to allow for fuel expansion.

3.12 Once fuelling has finished, refit the fuel cap and tighten securely.
Wipe up any spilled fuel before starting the machine.





3.13 To prevent gum deposits from forming in fuel system parts such as the carburettor, fuel hoses or tank during storage. Alcohol blended fuels, ethanol or methanol can attract moisture, which leads to separation and formation of acids during storage. Acidic gas can damage the fuel system.
Fuel should be emptied before storage for 30 days or longer.
See the Storage section.
Never use engine or carburettor cleaning products in the fuel tank as permanent damage may occur.

GROUNDING / EARTHING

3.14 The requirement for Electrical installations BS7971:2008 requires that the frame and external electrically conductive part of this generator be properly connected to an approved earth ground.

3.15 Proper grounding of the generator will prevent electric shock in the event of ground fault condition in the generator or in connected electrical devices.

3.16 Proper grounding also helps dissipate static electricity, which often builds up in underground devices.

3.17 This range of generators adopt a floating earth configuration which means that the Neutral of the alternator is not connected to the Earth of the machine.

3.18 It is therefore important that you only use the generator to supply equipment in the following class combinations:

One or more of CLASS II equipment
Only ONE item of CLASS I equipment
One or more of CLASS II equipment and only ONE item of CLASS I equipment

3.19 CLASS I equipment has a GREEN/YELLOW earth wire connected inside the plug.

3.20 CLASS II equipment DOES NOT have GREEN/YELLOW earth wire connected inside the plug.

3.21 CLASS II equipment will have the following symbol embossed or printed on the casing.

4. STARTING THE MACHINE

WARNING

NEVER start or stop the engine with electrical devices plugged in to the power outlets and devices turned on.
Unplug all electrical loads from the unit's power outlets or make sure that the main breaker is OFF (down) position, before starting the engine.

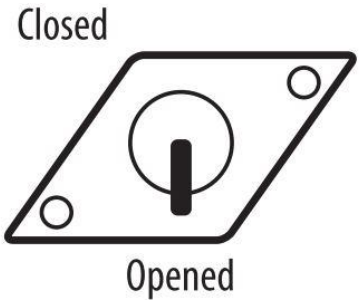
WARNING

If running the generator on LPG you **MUST** ensure the petrol fuel tank has been completely drained.

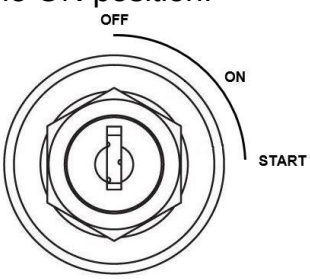
RECOIL START

4.0 Move the fuel selector switch to the petrol position.

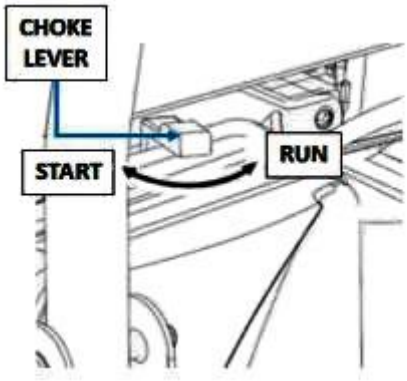
4.1 Turn the fuel tap to the ON position.



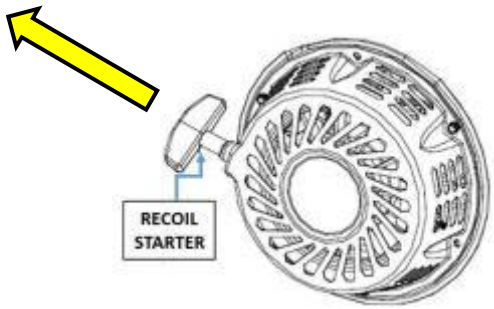
4.2 Turn the ignition switch to the ON position.



4.3 Move the choke lever to the START position.



4.4 Firmly grasp the recoil handle and pull slowly until resistance is felt.
Then pull rapidly.
NOTE: Always pull so the pull cord remains straight, if you pull the cord at an angle it will increase cord wear and may damage the machine.
Always return the recoil cable back to the start position slowly, do not let go and allow it to snap back.



4.5 When the engine starts, move the choke lever to the ½ choke position until the engine runs smoothly and then move to the RUN position.
If the engine falters, move the choke lever back to the ½ position until the engine runs smoothly and the back to the RUN position.

WARNING

Starter cord kickback (rapid retraction) will pull your hand and arm towards the engine faster than you can let go which could cause injury. When starting the engine, pull the cord slowly until resistance is felt and then pull rapidly to avoid kickback.

4.6 If the engine fails to start after 3 pulls, or if the unit shuts down during operation.
Make sure the unit is on a flat level surface and check for proper oil level in the crank case.
This engine is equipped with a low oil level protection device.

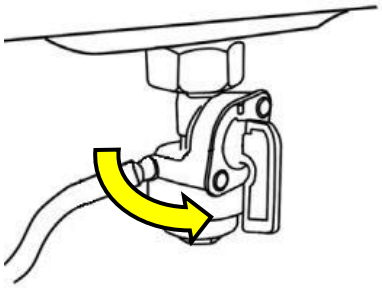
ELECTRIC START

NOTE

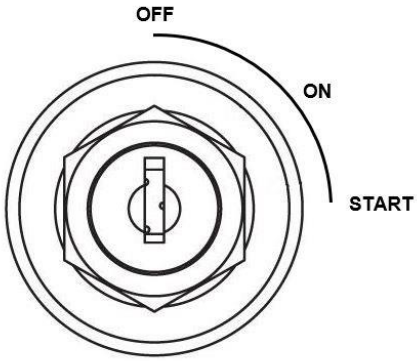
If the battery is discharged or unavailable, use the manual starting instructions above.

4.7 Move the fuel selector switch to the petrol position.

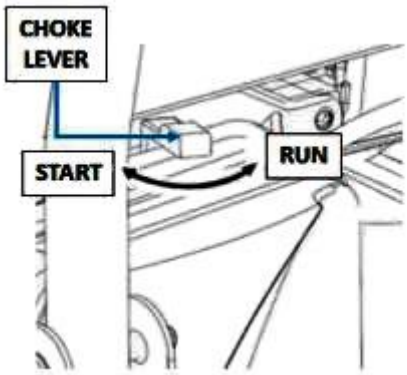
4.8 Turn the fuel tap down to the ON position.



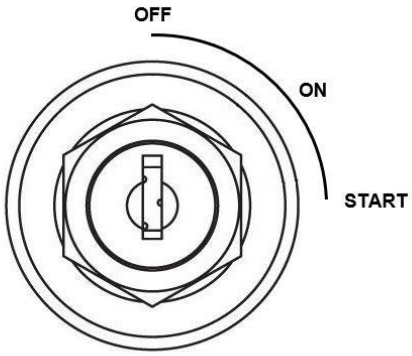
4.9 Turn the ignition switch to the ON position.



4.10 Move the choke lever to the START position.



4.11 Turn the ignition hey to the START position and hold there for 3 to 5 seconds.
Once the engine fires, release the key and it will automatically return to the ON position.
DO NOT hold the ignition key in the start position for periods of over 5 seconds as this may cause damage to the machine.
If the generator fails to start, release the key, wait 60 seconds and try and again.



4.12 When the engine starts, move the choke lever to the ½ choke position until the engine runs smoothly and then to the RUN position.
If the engine falters, move the choke lever back to the ½ choke position until the engine runs smoothly and then back to the RUN position.

LPG START

WARNING

Before running the generator on LPG you MUST drain all the petrol from the fuel tank.

4.13 Drain all the petrol from the fuel tank and turn the petrol fuel tap to the closed position.

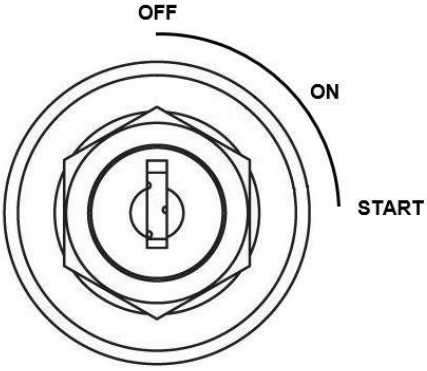
4.14 Move the fuel selector switch to the LPG position.

4.15 Connect the LPG hose to the LPG inlet on the generator and tighten the connection securely using a spanner.

4.16 Connect the other end of the LPG hose to the LPG bottle and tighten the connection securely using a spanner.

4.17 Turn the LPG gas bottle on and check for leaks.
You can check for leaks by mixing a small amount of washing up liquid with water and brushing on to the connections at either end of the LPG hose.
If the solution starts to bubble, turn off the gas, remove the LPG hose and refit and test again.

4.18 Turn the ignition switch to the ON position.

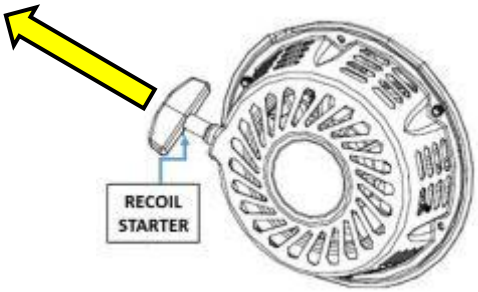


4.19 Move the choke to the RUN position.

4.20 Press the decompression valve on the LPG regulator for 3 to 5 seconds.

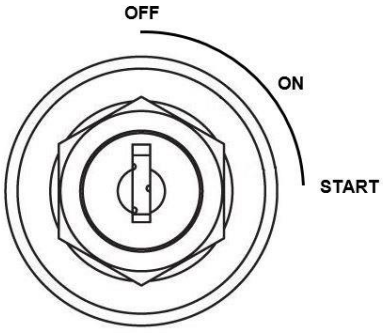
Recoil Start

4.21 Firmly grasp the recoil handle and pull slowly until resistance is felt.
Then pull rapidly.
NOTE: Always pull so the pull cord remains straight, if you pull the cord at an angle it will increase cord wear and may damage the machine.
Always return the recoil cable back to the start position slowly, do not let go and allow it to snap back.



Electric Start

4.22 Turn the ignition hey to the START position and hold there for 3 to 5 seconds.
Once the engine fires, release the key and it will automatically return to the ON position.
DO NOT hold the ignition key in the start position for periods of over 5 seconds as this may cause damage to the machine.
If the generator fails to start, release the key, wait 60 seconds and try and again.



4.23 When the engine starts, move the choke lever to the ½ choke position until the engine runs smoothly and then to the RUN position.
If the engine falters, move the choke lever back to the ½ choke position until the engine runs smoothly and then back to the RUN position.

5. STOPPING PROCEDURE

5.0 Turn off and disconnect any electrical loads from the generator.
Never turn off the generator with electrical loads still connected.

5.1 Allow the generator to run at idle under no load for 20 to 30 seconds.

5.2 Turn the ignition switch to the OFF position.

5.3 If using petrol: Turn the petrol fuel tap to the OFF position.

5.4 If using LPG: turn the LPG bottle valve to the closed position.

6. USING THE MACHINE

NOTE

The engine is equipped with a low oil level sensor that will shut the engine down automatically when the oil level drops below a specified level.

Oil and fuel levels MUST be check before each operation.

6.0 If the engine shuts down by itself and the fuel tank has enough petrol, check the engine oil level. Engine oil should be checked daily.

6.1 DO NOT overload the generator. DO NOT overload individual sockets.
The outlet sockets are protected against overload with a push-to-reset type circuit breakers.
If the current rating of any circuit breaker is exceeded, that breaker will open and the electrical output to that socket will be lost.

6.2 DO NOT place the LPG bottle on the exhaust side of the generator.

6.3 **Connecting Electrical Loads**.

6.4 Let the engine run until the rpm is stable and has been allowed to warm up for a few minutes after starting.

6.5 Plug in an electrical load and turn on.

6.6 Add up the rated watts (or amps) of all loads to be connected at one time.
This total should not be greater than the circuit breaker rating of the output socket supplying the power or the rated wattage/current capacity of the generator.

NOTE

Connect all electrical loads to the generator in the OFF position, then turn ON for operation.
Turn all electrical loads OFF and disconnect from your generator before stopping the generator.
Exceeding the generators wattage/current capacity could damage the generator and any electrical devices connected to it.
DO NOT exceed the generators wattage/current capacity.
Failure to disconnect the electrical load before switching the generator off may damage the AVR.

6.7 **Overloading**.

6.8 Overloading the generator in excess of its rated wattage capacity can result in damage to the generator and to connected electrical devices.

6.9 Observe the following to prevent overloading the unit;

6.10 Add up the total wattage of all electrical devices to be connected at one time.
This total should not be greater than the generators wattage capacity.

6.11 The rated wattage of lights can be taken from light bulbs. The rated wattage of tools, appliances and motors can usually be found on a data label or decal affixed to the devices.
If the appliance, tool or motor does not give wattage, multiply volts by ampere rating to determine watts. (volts x amps = watts).

6.12 Some electrical induction motors require about three times more power for staring than for running.
This surge of power only lasts a few seconds when starting.
You must make sure you allow for high starting wattage when selecting electrical devices to connect to the generator.

6.13 Calculate the watts needed to start the largest motor.
Add that figure to the running watts of all the other connected loads.
Start the largest motor first and only one motor at a time.

6.14 The AC switch (breaker) will turn OFF automatically when the load exceeds the generator output.

6.15 If the AC switch turns OFF then before resetting, remove some of the load and keep below the rated output of the machine.

6.16 DO NOT connect the generator to a Mains AC socket in your building, commonly known as ‘back feeding’.
It is extremely dangerous and illegal.

6.17 To remain emissions compliant at high altitude (altitudes over 5000 feet) adjustment is required. This adjustment will cause decreased performance, increased fuel consumption and increased emissions.
Contact your dealer for high altitude adjustment information.

6.18 Operation of the engine at altitudes below 2500 feet with the high altitude kit is not recommended.

7. MAINTENANCE

WARNING

All maintenance should be carried out by qualified persons only.
Only Manufacturer approved parts should be used.
Allow the engine to cool completely before carrying out any maintenance or repairs.
Remove the spark plug HT lead cap before carrying out any maintenance or repairs.

7.0 Follow the maintenance intervals shown below. More frequent service is required when operating in adverse conditions.

MAINTENANCE SCHEDULE	
After first 10 hours	Change the engine Oil
Every 8 hours or Daily	Clean the machine
	Check the engine oil level
Every 25 Hours or Yearly	Clean the air filter
Every 100 hours or Yearly	Change the engine oil
Yearly	Replace the air filter
	Service the fuel valve
	Service the spark plug
	Check the exhaust and spark arrestor
	Clean the cooling system

7.1 The warranty of the generator does not cover items that have been subjected to operator abuse or negligence. To receive full value from the warranty, the operator must maintain the generator as instructed in this manual. Some adjustments will need to be made periodically to properly maintain the generator.

7.2 All adjustments in the Maintenance section of this manual should be made at least once each session.

7.3 Generator maintenance consists of keeping the machine clean and dry.
Operate and store the unit in a clean dry environment where it will not be exposed to excessive dust, dirt, moisture or any corrosive vapours. Cooling air slots in the generator must not become clogged with snow, leaves or any other foreign material.
DO NOT use the machine where it can become exposed to rain, snow, sleet or any other type of moisture.

OIL

NOTE

Recommended Oil: Semi Synthetic SAE15W40 Engine Oil

7.4 Drain the engine oil while the engine is warm, not hot.
Warm oil will drain more effectively.

7.5 Place the generator on a flat, level surface.

7.6 Clean the area around the oil drain plug and the dipstick/fill port.

7.7 Place a suitable container underneath the generator to collect the waste oil.

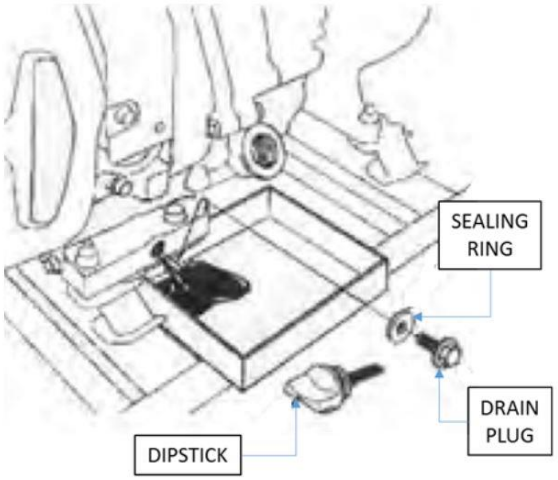
7.8 Remove the oil drain plug and the dipstick from the engine and allow the oil to drain completely.

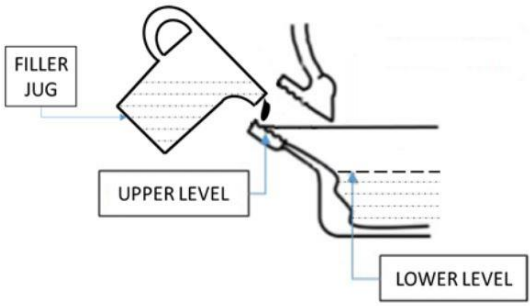
7.9 Once the oil has drained, refit the oil drain plug and fully tighten.

7.10 Slowly fill the engine with fresh semi synthetic SAE15w40 engine oil to the top of the oil filler neck.
Stop occasionally to check the oil level.

7.11 Once full, refit the dipstick and tighten securely.

7.12 Wipe up any spills and dispose of the waste oil at a proper collection centre.





SPARK PLUG

7.13 Remove the spark plug HT lead cap from the spark plug.

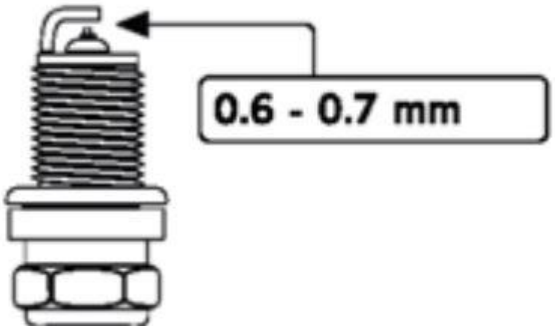
7.14 Clean the area around the spark plug to reduce the risk of dirt or debris entering the cylinder.

7.15 Using a spark plug wrench, undo and remove the spark plug.

7.16 Visually inspect the spark plug and spark plug washer.
If they show signs of wear or damage, then replace.

7.17 Using a soft wire brush, remove any carbon deposits from the electrode.

7.18 Using a feeler gauge, check the spark plug gap.



7.19 Adjust as necessary by carefully bending the side electrode to achieve the correct gap.

7.20 Refit the spark plug by hand to avoid cross threading.

7.21 Once the spark plug seats, tighten with the spark plug wrench.
DO NOT over tighten, torque to 15 ft/lbs.

7.22 Reattach the spark plug HT lead cap.

SPARK ARRESTOR (if installed)

7.23 The spark arrestor, if fitted, is located on the back of the exhaust.

7.24 Remove the clamp and the spark arrestor screen.

7.25 Clean the spark arrestor screen with a soft wire brush.

7.26 Replace the spark arrestor if it is damaged.

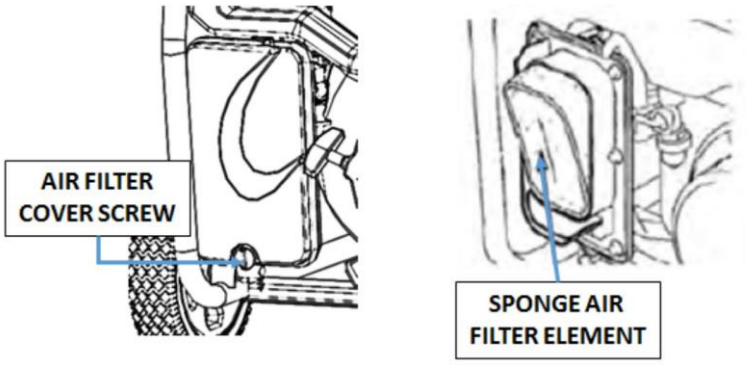
7.27 Refit the spark arrestor.

AIR FILTER

7.28 The engine will not run properly and may be damaged if you use a dirty air filter.
Replace the air filter once a year.
Clean or replace more frequently if operating under dusty conditions.

7.29 Undo the air filter cover screw and remove the air filter cover.

7.30 Remove the sponge air filter element.



7.31 Clean the sponge air filter element in a warm soapy solution and allow to air dry.
DO NOT twist the element.

7.32 Clean the air filter cover ensuring no dirt or debris can enter the carburettor.

7.33 Once dry, soak the sponge element in fresh, clean engine oil and squeeze any excess in to a suitable container.

7.34 Reinstall the air filter element and refit the air filter cover.

8. STORAGE

NOTE

The generator should be started at least once every 7 days and be allowed to run for at least 30 minutes.
If this cannot be done or if the unit is to be stored for periods of 30 days or more, use the following information as a guide to prepare the generator for storage.

WARNING

ALL FUELS ARE FLAMMABLE
Always fuel and defuel in a well-ventilated area away from any sources of ignition.
Always allow the engine to cool completely before refuelling or defueling.

It is important to avoid gum deposits from forming in essential fuel system parts such as the carburettor, fuel hose or tank during storage.
Also, experience indicates that alcohol blended fuels (gasohol, ethanol or methanol) can attract moisture, which leads to separation and formation of acids.
Acidic gas can damage the fuel system of the engine while in storage.

8.0 Allow the generator to cool completely before storage.

8.1 Using a syphon or similar fuel retrieval device, drain all the fuel from the fuel tank in to a suitable container.

8.2 Run the generator until it runs out of fuel to remove any remaining fuel from the fuel lines and carburettor.

8.3 Replace the engine oil by following the maintenance procedure in this manual.

8.4 Clean the generator using a moist cloth.
DO NOT use a pressure washer or hose pipe to clean the machine as water may penetrate components and cause damage to the generator.

8.5 Remove the spark plug and pour one teaspoon of fresh engine oil down the cylinder bore.
Cover the spark plug hole with a lint free cloth and gently pull the recoil start handle 3 to 4 times to coat the cylinder bore wall with fresh oil.
Remove the cloth and refit the spark plug but leave the spark plug HT lead cap off to prevent any possibility of accidental starting.

8.6 Ensure all dirt and debris is removed from the engine cooling fins and exhaust.

8.7 Using a light silicone grease, lubricate any moving parts such as cables and lever.

8.8 Store in a cool, dry place on a flat surface away from any sources of ignition.

8.9 Do not stack other items on top of the generator.

9. TRANSPORTATION

9.0 Allow the generator to cool completely before transporting.

9.1 Drain the fuel from the fuel tank and move the fuel tap to the OFF position.

9.2 Keep the generator level when transporting to reduce the possibility of fuel or oil leakage.

9.3 When using ropes or tie down straps to secure the generator for transportation, be sure to only use the frame bars as attachment points.
DO NOT fasten ropes or straps to components of the generator such as the engine or fuel tank.

9.4 Do not smoke or use any sources of possible ignition while transporting the generator. Even with an empty fuel tank, fuel vapours can accumulate and become a risk.

10. SPECIFICATION

Model Number	**HY3800LE-LPG**	**HY10000LE-LPG**
Engine	Hyundai Euro 5 OHV 4 Stroke	Hyundai Euro 5 OHV 4 Stroke
Engine Displacement - cc	223	458
Engine Power - hp	7.5	18
Engine Speed – rpm	3000	3000
Start Method	Recoil / Electric	Recoil / Electric
Fuel Type	Unleaded Petrol / LPG	
Fuel Tank Capacity – L	18	28
Oil Type	Semi Synthetic SAE 15w40 Engine Oil	
Oil Capacity – L	0.6	1.1
LPG Fuel Consumption – kg/kw/h	0.43	0.5
Frequency – Hz	50	50
Voltage – V	230	230
Maximum Power – kW	3.8	8.3
Continuous Power - kW	3.3	7.5
Run Time (full load) - hours	10	8.5
Noise Level – dBA @ 7m	96	96
Dimensions – mm (L x W x H)	610 x 480 x 510	720 x 535 x 610
Net Weight – kg	47	88
Gross Weight – kg	50	88

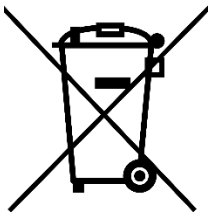
11. TROUBLESHOOTING

Problem	Possible Reason	Possible Solution
Engine Fails to Start	Engine switch set to OFF position	Move the engine switch to the ON position
	Fuel valve set to OFF position	Move the fuel valve to the ON position
	Choke is set to RUN position	Move the choke to the CLOSED position
	No fuel	Add fuel
	Low quality or dirty fuel in the engine	Drain the fuel tank and carburettor and replace with fresh fuel
	Spark plug dirty or damaged	Replace the spark plug
Low engine power / slow starting	Dirt in the fuel tank	Drain the fuel, clean the fuel tank
	Dirt in the air filter	Remove the air filter and clean or replace
	Water in the fuel tank	Drain the fuel tank and carburettor and replace with fresh fuel
	Spark plug gap incorrect	Remove the spark plug and adjust the plug gap
Engine overheating	Cooling fins are blocked	Remove any dirt and debris from the cooling fins
	Dirt in the air filter	Remove the air filter and clean or replace
No voltage from the generator	Circuit breaker is active	Reset the circuit breaker
	Connected cables are broken or in poor condition	Check the connected cables and replace if necessary
	Device plugged in doesn’t work	Try a different device
Connected devices are not working	Generator is overloaded	Unplug some devices to reduce the load
	Short circuit occurred in one of the devices connected	Unplug that device to restore the stability of the system
	Air filter is dirty	Remove the air filter and clean or replace

12. RECYCLING & PRODUCT DISPOSAL

12.0 We do not offer a take back scheme for the recovery of Waste Electrical Electronic Equipment (WEEE) & Batteries.
Instead the responsibility to dispose of WEEE and or batteries is passed onto you by us.
So when it becomes necessary to dispose of your machine you must take it to your local Civic Amenity Site.
For further information please contact your local Authority for disposal advice.

12.1 You MUST make sure that all unused oil and fuel is disposed of correctly either beforehand or at your local Civic Amenity Site.
Under NO circumstances must any fuel or oil be put down any drains.



12.2 Certain products contain WEEE waste which should not be disposed of in your domestic waste.

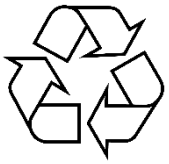
12.3 You MUST recycle WEEE in accordance with your local authority or recycling centre.

12.4 Certain products contain batteries which should not be disposed of in your domestic waste.

12.5 You MUST recycle batteries in accordance with your local authority or recycling centre.

12.6 Unwanted packaging and materials should be stored and taken to a recycling centre so it can be disposed of in a manner which is compatible with the environment.

12.7 The following symbol means that you should ‘Reduce-Reuse-Recycle’.



12.8 We are members of VALPAK National Compliance Scheme and our registration number is RM08660.

12.9 For further information about disposal please contact your Local Authority.

12.10 You can also get more advice and guidance about recycling at the following website http://www.recycle-more.co.uk

12.11 Should you pass this product on to another user either sold or loaned, you MUST pass on this user manual.
This will make sure that all other users can use and maintain this machine safely.

13. DECLARATION OF CONFORMITY

Genpower Ltd confirms that these Hyundai products conform to the following CE Directives:

2006/42/EC Machinery Directive
2004/108/EC EMC Directive
2000/14/EC Amended by 2005/88/EC Noise Emissions Directive
97/68/EC_2010/26/EC NRMM Emissions Directive

EC DECLARATION OF CONFORMITY

The undersigned. As authorised by: **Genpower Ltd**
Declares that the following equipment manufactured under licence by Hyundai Korea

Conforms to the Directive:-
2000/14/EC (as amended)

Of the European Parliament and of the council on the approximation of the laws of the Member States relating to the noise emission in the environment by equipment for the use outdoors.

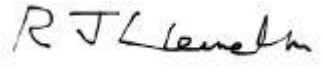
Equipment Category:	**Power Equipment**
Product Name/Model:	**HY3800LE-LPG** **HY10000LE-LPG**
Type/~~Serial No~~:	**Open Frame Generator**
Net Installed Power:	**HY3800LE-LPG : 3.3kW** **HY10000LE-LPG : 6.0kW**
The technical document is kept by:	**Roland Llewellin, Genpower Ltd** **Isaac Way, Pembroke Dock,** **Pembrokeshire, SA72 4RW.**

The conformity assessment procedure followed was in accordance with the annex V of the Directive.

Notified Body:	**AV Technology, AVTECH House,** **Arkle Avenue, Stanley Green Trading Estate,** **Handforth, Cheshire. SK9 3RW. UK** **Certification Nº GB/1067/5172/14 Issue 1**
Measured Sound Power Level:	**HY3800LE-LPG : 94dBA** **HY10000LE-LPG : 95dBA**
Guaranteed Sound Power Level:	**HY3800LE-LPG : 97dBA** **HY10000LE-LPG : 97dBA**

A copy of this certificate has been submitted to the European Commission and the EU Member State United Kingdom.

Place of Declaration:	**Genpower Ltd, Isaac Way,** **Pembroke Dock, Pembrokeshire, SA72 4RW.**
Signed by:	**Roland Llewellin**



Position in Company:	**Managing Director**

Name and address of manufacturer or Authorised representative:

Genpower Ltd
Isaac Way, Pembroke Dock,
Pembrokeshire, SA72 4RW

14. CONTACT DETAILS

14.0	POSTAL ADDRESS	Genpower Ltd, Issac Way, London Road, Pembroke Dock, Pembrkeshire, SA72 4RW United Kingdom.
14.1	FAX	+44 (0) 1646 687880
14.2	SUPPORT	aftersales@genpower.co.uk
14.3	WEBSITE	www.hyundaipowerequipment.co.uk

15. WARRANTY

15.0 To register your machine for the Manufacturer's Warranty, please visit:

https://hyundaipowerequipment.co.uk/warranty

For full Warranty terms and conditions, please visit:

https://hyundaipowerequipment.co.uk/support/warranty-information

16. MANUAL UPDATES

16.0 Our manuals are constantly being reviewed and updated.
However if you find and error, omission or something you find unclear, please contact your dealer for assistance.

16.1 Our latest manuals are also placed online.

16.2 We reserve the right to make any modifications without prior notice whenever necessary.

HYUNDAI
POWER PRODUCTS

For Inquiries, Please Contact:

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