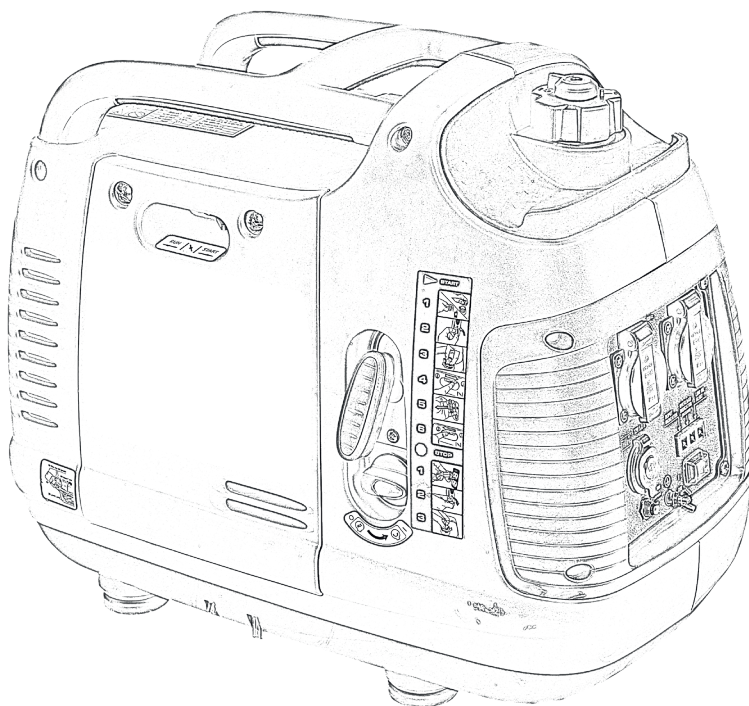


VALKENPOWER



Manual generator

TYPE:
EMI2000



EMI2000_042023_V2

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Keeping the user manual

Tips for correct use of the user manual:

- Keep the owner's manual near the generator in an accessible place.
- Keep the user manual in a place where it is not damp.
- Use the user manual in a normal way without damaging it.
- Any use of the generator by operators who are not familiar with the instructions and procedures described in this owner's manual is strictly prohibited.

This owner's manual is part of the generator and should therefore be carefully kept with the generator. If the generator changes hands, the owner's manual must be supplied.

NLD 1. Pictogrammen label

ENG 1. Icons label



NLD Lees voor gebruik de gebruikershandleiding.

ENG Read the user manual before use.



NLD Uitlaatgassen bevatten giftige koolstofmonoxide.
Voorkom inademen.

ENG Exhaust fumes contain poisonous carbon monoxide.
Avoid inhalation.



NLD Gebruik de generator niet in een gesloten ruimte.

ENG Do not use the generator in an enclosed space.



NLD De uitlaat en motor worden zeer heet tijdens gebruik en blijven na uitschakelen nog enige tijd heet. Zorg dat de motor afgekoeld is voordat u de generator aanraakt.

ENG The muffler and engine become very hot during operation and remain hot for some time after switching off. Make sure the engine is cool before touching the generator.



NLD Voorkom brandwonden houd afstand tijdens gebruik van de generator.

ENG Avoid burns keep your distance when using the generator.



NLD Zet de motor uit als u de brandstof bijvult. Benzine is licht ontvlambaar en explosief, vul brandstof bij in een geventileerde ruimte, zonder ontstekingsbronnen (sigaretten, vonken, etc). Veeg geknoeide benzine direct op.

ENG Turn off the engine when adding fuel. Gasoline is highly flammable and explosive, refuel in a ventilated area, without sources of ignition (cigarettes, sparks, etc). Wipe up spilled gasoline immediately.

2. Warning

- Always check the generator before starting the engine. This prevents accidents or damage to equipment.
- Place the generator at least 1 meter from buildings or other equipment during operation.
- Never operate the generator when it is in a suspended or tilted position. The generator may only be used and stored in an upright position.
- Make sure you can turn off the generator quickly and know how to operate it.
- Do not allow unqualified persons to work with the generator.
- Keep children and pets away from the generator when it is in use.
- Stay away from rotating parts when the generator is running.
- Keep away from cigarettes, smoke, hot objects and sparks when refueling.
- Always refuel in a well-ventilated area and when the engine is off.
- Gasoline is extremely flammable and explosive under certain conditions.
- Wipe up spilled gasoline immediately.
- Improper use of the generator can result in electric shock; never use the generator with wet hands.
- Never use the generator in rain or snow and do not let it get wet.
- Disconnect all connected equipment before starting or stopping the generator to prevent equipment damage.
- Installation and major repairs may only be carried out by trained personnel.
- Engine exhaust fumes are toxic. The generator may only be used outdoors.
- Protection against electrocution depends on fuses specific to the generator
- are tuned. When a fuse needs to be replaced, the replacement fuse must have similar properties and performance characteristics as the fuse to be replaced.
- Due to the high mechanical stresses, only use an extension cord that meets national requirements.
- When using extension cables or mobile distribution networks, a line with a cross-section of 1.5mm² may not exceed 60m for a line with a cross-section of 2.5mm², a maximum length of 100m applies.

3. General information

Before using this machine, you must first read and understand the operating instructions completely!!! This manual contains important information for the proper installation, operation and maintenance of the equipment described herein. There are different risks of personal injury or property damage associated with the use of any generator. Anyone who comes into contact with the installation, maintenance or operation of the generator must be thoroughly familiar with the contents of this manual. To protect against personal injury or property damage, follow the directions and instructions in this manual. Every Valkenpower generator is produced in accordance with the Machinery Directive 2006/42/CE. A manual including a declaration of conformity is supplied with every generator. These must be properly stored and maintained. Because in the interests of quality, improvements are constantly being made to the equipment. Keep Valkenpower b.v. reserves the right to change specifications of the equipment described in the manual.

General safety instructions for power tools

To use this product correctly, you must be aware of the safety regulations, assembly instructions and operating instructions as described in this user manual. Everyone who uses or operates the device must be familiar with this manual and be informed of possible risks. Children and people with health problems should not use this device. Children should be supervised at all times when they are near the appliance. It is imperative that you observe the safety regulations in order to avoid accidents. The same applies to regulations regarding health and safety at work.

Warning

Avoid risk of fire, electric shock and personal injury when using the generator. Always follow the safety instructions described in this manual.

4. Safety regulations

Safety instructions

1. Prevent accidents and injuries: Keep the workplace clean and organized.
2. Do not use power tools and generators in damp or wet environments, do not expose them to rain, or use them in the presence of flammable liquids or gases.
3. All visitors and bystanders, especially children and people with health problems, should be kept away from the workplace. Make sure that no one comes near the appliance or the extension cord.
4. When tools are not in use, they should be stored out of reach.
5. Force tools! Use tools safely and only for what they are designed for.
6. Do not wear loose clothing, jewelry or hair, as they can get caught in moving parts. Long hair should be tied in a ponytail. When working outside, it is recommended to wear rubber gloves and shoes with an anti-slip profile.
7. Wear safety goggles and hearing protection at all times. If the use causes dust, a dust or face mask must be worn.
8. Secure the workpiece. Use a clamp or vise to secure the workpiece. This is safer than holding with one hand and you have two hands free to operate the tool.
9. Don't reach too far. Keep two feet on the ground at all times for balance.
10. Keeps tools sharp and clean for better and safer performance. Follow the instructions for changing oil and accessories. Check cables and, if damaged, have them repaired at a certified company. Replace cables if damaged. Keep tool handles dry, clean and free from grease and oil.
11. Before starting the generator, make sure there are no loose tools and/or materials on the generator.
12. Stay alert. Look carefully at what you are doing, think logically and do not use tools when you are tired.
13. Check for damaged parts before use. If a part is slightly damaged, assess whether it can still function properly. Pay attention to alignment and connection of moving parts, broken parts, correct mounting and other conditions that can affect the function of the tool. A damaged part must be replaced or repaired by a certified company, unless otherwise specified in this user manual.
14. Use only approved parts. Defective parts must be replaced by original Valkenpower parts.

Risks when used incorrectly

Improper storage of the extension cord.

The extension cord may come into contact with hot parts, which may cause damage. Using a damaged extension cord could result in electrocution or death.

- Use an extension cord that meets national requirements. Remove the extension cord from the generator and store it separately or from the generator.

Use of generator in rain, wet, icy or flooded environment.

Water is a perfect conductor of electricity. When water comes in contact with electrically charged parts, it conducts current to the frame and other surfaces, causing electric shock when touched.

- Operate the generator in a clean, dry and well-ventilated environment. Avoid contact with the generator in humid conditions.

Placing the generator on a highly conductive surface, such as a steel walkway or iron roof.

Accidental leakage of current can energize conductive surfaces in contact with the generator.

- Place the generator on a low conductive surface, e.g. concrete. ALWAYS ensure that the generator is at least 2 meters from any conductive surface when in use.

Using worn, damaged or unwarranted extension cords.

Contact with worn or damaged extension cords may result in electrocution. Using unwarranted extension cords can cause fuses to fail, resulting in an electric shock.

- Check extension cords and replace if necessary. Always use a cable cover with a ground wire and a suitable ground plug. DO NOT USE an ungrounded plug.

Operating the generator when it is damaged, or when protective parts or covers have been removed.

Operating the generator when it is damaged or when it is not operating normally could result in fire or electrocution. Removing protective covers can expose electrically charged parts and thus lead to electrocution.

- Do not operate the generator if there is a mechanical or electrical problem. Have the generator repaired at a certified service company. Do not operate the generator with protective covers removed.

Filling the fuel tank with the engine running.

Fuel vaporizes through hot parts such as the muffler and through exhaust fumes, when it comes into contact with a spark the fuel can ignite..

- Turn off the engine and allow time to cool before refuelling. Have a fire extinguisher nearby that is certified for fuel-related fires.

Sparks, fire and hot objects.

Cigarettes, sparks, flames and other hot objects can ignite the fuel or its fumes.

- Refuel in well-ventilated areas. Make sure there are no sources of ignition near the generator.

Improper fuel storage.

Improperly stored fuel can ignite accidentally. In addition, the fuel may come into the hands of children or others.

- Store fuel in an approved container. Place the container in a safe location to prevent use by others.

Tampering with factory engine speed settings.

The factory engine speed settings ensure that the generator is safe. If tampered with, accessories may overheat and cause a fire.

- Don't mess with the engine speed. The output of the generator is electronically controlled, ramping up the generator has no effect on the output.

Insufficient ventilation for the generator.

Placing materials against the generator or using the generator in rooms warmer than 40°C can disrupt the ventilation function. This can cause overheating, causing materials or buildings to catch fire can grasp.

- Use the generator in a clean, dry, well-ventilated area. Do not use indoors or in a closed space.

Overflowing the fuel tank, spilling fuel.

Spilled fuel and fumes from it can be ignited by hot surfaces or sparks.

- Fill the tank carefully and try to avoid spills. Make sure the fuel cap is tight and check the engine for fuel leaks before starting it. Move the generator away from where it has been filled or tampered with before starting the engine. Turn the vent switch on the fuel cap to the ON position to allow the fuel to expand. Do not refuel with the engine running.

Fire, inhalation, damage to vehicle surfaces.

Oil or fuel leaks can result in a fire or inhalation hazard, resulting in serious injury or death. Furthermore, oil and fuel leaks can damage carpeting, paint and other surfaces in vehicles or trailers.

- On the generator there is a screw for the fuel drain (22), close it, the same applies to the aeration switch on the tank cap. Failure to do so may result in fuel leakage during transport. Only transport spare fuel in an approved fuel container. Always place the generator on a protective (environmental) mat during transport to protect the vehicle against damage caused by leaks. Upon arrival at the destination, the generator must be removed from the vehicle immediately.

Lifting the generator.

Lifting objects that are too heavy can lead to serious injuries.

- When lifting, keep the generator as close to the vertical axis of the body as possible. NB. Never use your back to lift heavy objects, but lift them from your legs. Hold the object as close as possible to the center of gravity of your body (belly button height). Avoid twisting movements when wearing, only twist with the whole body by using the feet.

Operating generator without paying attention.

All energy sources can cause injuries. Unsafe operation or maintenance of the generator can result in serious injury or death to yourself or others.

- Read and understand all instructions and warnings in this user manual. Become familiar with the operation of the generator. Know how to turn it off quickly. Always keep a fire extinguisher near the generator to extinguish fuel fires. Keep children and others away from the generator at all times.

Operate the generator near explosives or dangerous gasses.

Operating the generator in such an environment could result in fire or explosion of the generator or connected devices. In addition, fire or explosions can cause injury or death.

- Never use the generator when hazardous substances or gases may be present. Only use the generator in well-ventilated areas.

Never operate the generator when it is hanging

The generator will not function properly and will be damaged, which could cause serious injury or death to you and/or others.

- Never operate the generator when it is in a suspended or tilted position. The generator may only be used and stored in an upright position.

Gasoline engines produce harmful carbon monoxide gases.

Inhaling exhaust fumes can cause serious injury or death.

- Use the generator in a clean, dry and well-ventilated area. Never use the generator in closed spaces such as; garages, cellars, storage rooms, sheds or in areas where people or animals reside. Keep children, pets and others away from the generator.

Contact with moving parts can lead to serious injury injuries.

The generator contains parts that rotate at high speed when the engine is running. Contact with moving parts can result in serious injury. There are protective caps for these parts.

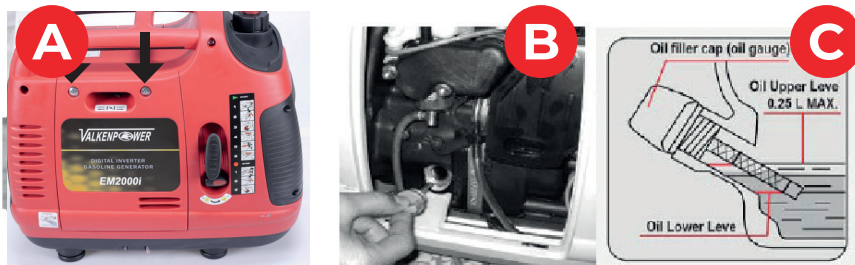
- Never operate the generator with protective covers or plates removed from the generator. Avoid wearing loose-fitting clothing and jewellery, which can get caught in moving parts.

5. Use of the generator

Check before use

1. Check the engine oil level.

Make sure the generator is on a level surface and the engine is off.

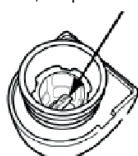


1. Loosen the maintenance cover screw (3) and remove the front maintenance cover (figure A).
2. Remove the oil filler cap (23) by turning it counterclockwise and check the oil level (figure B).
3. When the oil level is lower than the neck of the oil sump, top up the oil with Ultralub SAE 15W40 motor oil from Valkenpower to the edge of the neck (figure C). (See also chapter 27 Changing the engine oil) CAUTION. Remove the oil filler cap completely when checking the oil level.
4. When the oil is dirty or discolored, replace the oil. Then proceed to chapter 27 Changing the engine oil.

2. Check the fuel level of the engine.



1. Make sure the generator is off by turning the ignition switch (7) clockwise to the OFF position (horizontal to 0) (figure D).
2. Check the fuel level by looking into the tank by removing the fuel cap and fuel filter (figure E).
3. If the fuel level is too low, replace the fuel filter in the neck of the tank (figure F).

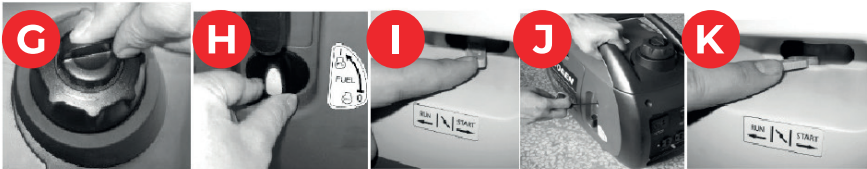


Niet verder
vullen dan de rode
brandstofpeil
indicator

4. Refuel with unleaded fuel from an approved fuel container.
5. Because fuel expands, it should only be added to the bottom of the fuel filter.
6. Do not fill beyond the red fuel level indicator.
7. Replace the fuel tank cap and tighten it clockwise.
 - Do not top up when the engine is running
 - Check to make sure that the fuel drain screw is closed and that no fuel is leaking through the rear drain hose. When the screw of the fuel drain (21) is not tightened, the fuel visibly flows out through the drain hose (8) at the rear.
 - Make sure that no dust, dirt, water or other contaminants get into the fuel.
 - Thoroughly wipe off spilled fuel before starting the engine.
 - DO NOT under any circumstances refuel near open flames.

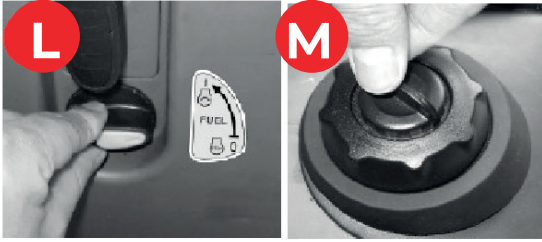
Starting the engine

Before starting the engine, make sure that the oil sump is filled to the correct level. NB. The generator is not filled by the factory, before the first use you have to refill the oil yourself.



1. Before starting the engine, make sure that no equipment is connected.
2. Turn the vent valve on the fuel cap to the ON position (Figure G).
3. Turn the ignition switch counterclockwise to the ON position (vertical to I) (Figure H).
4. When the engine is cold and you want to start it, move the choke lever to the START position (to the right). When the engine is already warm and you want to start it, the choke lever must be put in the RUN position (to the left) (figure I).
5. Pull the starter cord slowly until resistance is felt, then pull firmly. Do not let go of the starter cord, but gently guide it back to the starting position (figure J). When the engine is started for the first time, this operation must be repeated several times until the fuel has been pumped from the tank to the engine.
6. When the engine is warming up, the choke lever can be gradually moved to the RUN position (figure K).

Turning off the engine



1. Make sure that no electrical devices are connected to the generator before turning it off.
2. Turn the ignition switch (7) clockwise to the Off position (Figure L).
3. Turn the vent valve on the fuel cap (2) to the Off position (Figure M). Connecting appliances to the generator.

LNB. It is not recommended to run the generator for more than 20 minutes, when it has to deliver the maximum output, for the EMI2000 it is 1800W.

AC applications

1. Start the engine, check to see if the output indicator light (18) is lit (this can take up to 3 seconds). Let the engine warm up for a few minutes before connecting any devices.
2. Make sure the device being connected is turned off, then plug into the generator's AC outlet (19).
 - Before connecting any device to the generator, make sure that the device functions properly, broken devices or plug cables can cause an electric shock.
 - It is recommended that a surge protector be connected to the generator at all times.
 - Overloading the generator is strictly prohibited. Before use, check carefully whether the device does not require more power than the generator can supply (1050W), this should never be the case.
3. Switch the Smart Throttle switch (15) to the On position when needed (Figure N).



Smart Throttle

- The Smart Throttle system does not operate effectively when the electrical equipment requires short-term electrical power.
- When high electrical loads are connected at the same time, set the Smart Throttle switch to OFF to reduce voltage fluctuations.

Overload indicator

- When an output is required that is higher than the maximum output of the generator the overload indicator light (17) will light up, this is a warning that in 20 seconds the engine will be stopped.
- Make sure the device being connected is turned off, then plug it in the generator's AC outlet (19).
- Check carefully whether the device does not need more power than the generator can supply (1050W), this should never be the case.

Warning

Before connecting a device to the generator, first look at the rating plate of this device. The generator can supply 850W, so when the device needs more, the overload switch may switch off the generator to prevent overload. The generator can supply 1050W momentarily for a maximum duration of 20 minutes.

NB. Motorized appliances require more power when starting up, for example appliances that require a nominal 850W may not start because they require more power to start than the generator can supply, this has nothing to do with the generator's performance. Should this occur, disconnect the device and disconnect it from the generator.

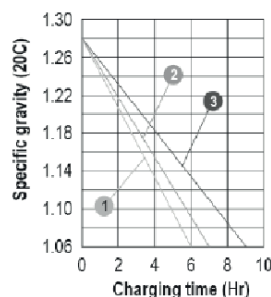
DC applications

The DC output may only be used to charge motor vehicle lead-acid batteries when they are disconnected from the vehicle. So make sure the battery is completely disconnected from vehicle before connecting the battery to the generator for charging. Only use the DC cable supplied with the generator. When charging a battery, the following instructions must be followed:

1. Disconnect the cables attached to the battery.
2. Unscrew the battery fluid filler caps completely.
3. Fill the battery cells to the brim with distilled water when the battery is empty.
4. Measure the specific gravity of the liquid in the battery using a hydrometer and calculate the charging time using the table opposite (figure O).
5. The specific gravity of the fluid in a fully charged battery will be between 1.26 and 1.28. It is recommended to check this every hour.
6. Start the generator. Check that the green output indicator light (18) is lit. Allow the engine to warm up for a few minutes before connecting the battery to the generator.
7. Look at the position of the Smart Throttle switch (15) and see if it is set correctly. When Smart Throttle is on, the charging current will be lower than when Smart Throttle is off.



Aim for specific gravity and charging time



Battery : Battery capacity

① : (30Ah)

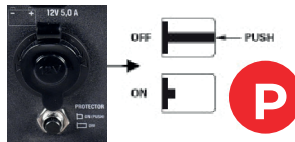
② : (35Ah)

③ : (47Ah)

Make sure that the terminals of the DC cable never come too close together, this will cause a short circuit. Always check that the red clamp is connected to the + and the black clamp to the -. NEVER use any other DC cable than the one supplied with the generator. When removing the DC plug from the generator, DO NOT place it on the ground or any other surface until the battery terminals are disconnected.

8. Insert the supplied DC plug into the DC socket (14) and connect the clamps to the correct pole.
9. Press the DC circuit protection/reset button to reset in case it is overloaded beforehand.

This generator will charge most motor vehicle lead acid batteries, provided they are in good condition.



This use is only intended for charging 12V lead-acid batteries motor vehicles. Only use the DC socket (14) for charging lead batteries. It is NOT ALLOWED to charge Nicad batteries or other battery types.

Correct use of batteries

- Keep children away from batteries and electrolytes.
- Explosive gases can escape from a battery; keep away from sparks, fire and cigarettes.
- Provide adequate ventilation when using or charging batteries in enclosed spaces.
- Batteries contain sulfuric acid (electrolyte). Contact with skin or eyes can cause severe burns. Use protective clothing and face shield.
- If sulfuric acid gets on your skin, rinse thoroughly with water.
- If sulfuric acid gets into your eyes, rinse thoroughly with water for at least 15 minutes and consult a doctor.
- Sulfuric acid is toxic. If sulfuric acid is swallowed, a doctor should be consulted.
- To prevent sparking near the battery, first connect the clamps to the battery and then plug the DC cable into the DC socket (14) in the generator. When disconnecting, first disconnect the generator.

Never leave the DC plug plugged into the generator when not in use, always remove the DC plug from the socket. In most cases it is possible to use the 12V DC for charging batteries and at the same time use the AC 240V output. But when the generator is close to the maximum load, it can become overloaded, in this case the AC load must be reduced or disconnected.

6. Specifications

Dimensions and weight

Length x width x height 540 x 320 x 455(mm)
weight 23 kg

Motor

Model EM158F
Motor 4-takt, OHV, 1-cilinder
Engine capacity 105,6cc (58mm x 40mm)
Compression ratio 8,5:1
RPM 4500 rpm (met SMART –throttle switch op OFF)
Cooling Air cooled
Inflammation Full transistor
Oil capacity 0,40 L
Fuel capacity 3,2 L

Generator

Model EW1000iN
AC output
Nominal voltage (V) 220 | 230 | 240 | 110 | 120
Nominal frequency (Hz) 50 | 60
Rated current (A) 7.3 | 6.9 | 6.7 | 14.5 | 13.3
Rated output (KVA) 1.6
Maximum output (KVA) 1.8
DC output Only for charging 12V car batteries
Maximum charge output: 8.3A (for CE 50Hz)
Only for charging 12V car batteries
Maximum charge output: 5A (for CETL 60Hz)

7. Maintenance

Keep the generator clean and dry at all times. The generator must not be used or stored in damp or dusty areas or where the air contains corrosive fumes. If these substances are on the generator, wipe it off with a cloth or soft brush. Do not use a garden hose or anything else with water pressure to clean the generator. Water can get into the cooling air inlets and could damage the rotor, stator or coils in the generator. Storage/Transportation of the Generator To prevent fuel leakage during transport or temporary storage, the generator should be secured in its normal position. There is a fuel drain screw on the generator, close it, the same applies to the breather valve on the fuel cap (let the engine cool down beforehand).

- Make sure the tank is not overfilled (there should be no fuel in the neck of the tank).
- Do not use the generator when it is in a vehicle, when you want to use it, remove it from the vehicle and use it in a well-ventilated area.
- Make sure the vehicle in which the generator is stored is not exposed to sunlight. Storing the generator in a closed vehicle exposed to the sun for an extended period of time can cause the temperature to rise, causing the fuel to vaporize and possibly causing an explosion.
- Avoid driving on bumpy roads for extended periods of time with a generator on board. If this is the case, the fuel must be drained from the generator beforehand.

When the generator is to be stored for a longer period of time, it must be ensured that:

1. The storage space is free of dust and moisture.
2. The fuel from the generator has been drained.

Gasoline is extremely flammable and explosive under certain conditions. Open flames, sparks and cigarettes are not allowed near gasoline.



- Dispose of the gasoline in an approved gasoline container.
- Turn the ignition switch (7) to the On position, then loosen the fuel drain screw (22) and drain the gasoline into an approved gasoline container (Figure Q).
- Remove the spark plug service cap (11), then remove the spark plug cap.

- Pull the starter rope 3 or 4 times to drain the fuel from the fuel pump into a suitable container.
 - Turn the ignition switch (7) to the Off position.
 - Tighten the fuel drain screw (22).
 - Press the spark plug cap onto the spark plug and replace the spark plug service cap (11).
3. Replace the engine oil.
 4. Remove the spark plug and pour about a tablespoon of new engine oil into the cylinder. Pull the starter cord gently several times to allow the oil to spread, then reinstall the spark plug.
 5. Gently pull the starter cord until it gives resistance. At this point, the piston rises for the compression stroke and both the intake and exhaust valves are closed. Storing the generator in this way helps prevent internal corrosion.

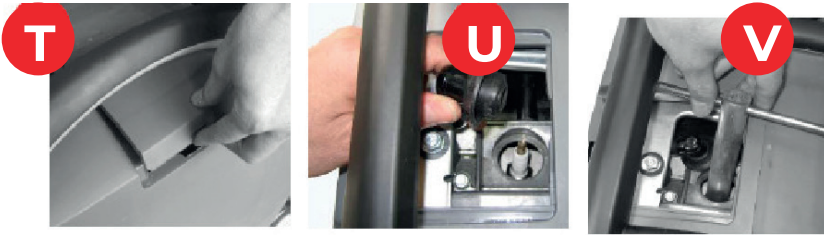
Part	Action	Every use	First month or 10 hours	Every 3 months or 50 hours	Every 6 months or 100 hours	Every year or 300 hours
Motor oil	Check	X				
Motor oil	Replace		X(1)		X(1)	
Air filter	Check	X				
Air filter	Replace			X(1,2)		
Spark plug	Cleaning + adjusting				X	
Spark arrester	Cleaning				X	
Float bowl	Cleaning				X	
Valve clearance	Check + fine tune					X(3)
Fuel tank and filter	Check					X(3)

(1) Service the generator more frequently when the generator is used in dusty or dirty working environments.

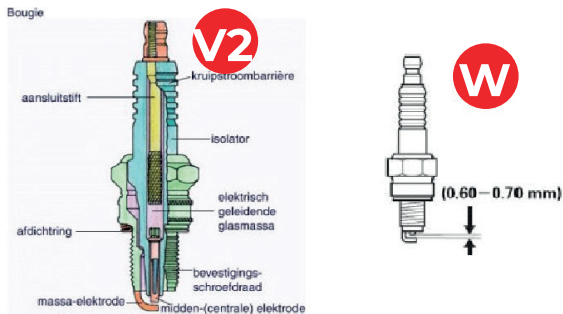
(2) These parts should be serviced by your dealer unless you have the materials and skills to do so yourself. Refer to the owner's manual for maintenance procedures.

(3) For commercial use, keep track of operating hours so you know when to service.

Spark plug maintenance

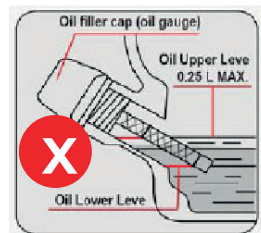


1. Remove the spark plug service cap (11) from the generator housing (Figure T).
2. Remove the spark plug cap (Figure U).
3. Remove any debris from around the spark plug so that nothing can fall into the cylinder when the spark plug is removed.
4. Remove the spark plug with the supplied spark plug wrench (figure V).
5. Check the spark plug and remove carbon deposits with a wire brush.
6. Look at the discoloration of the center electrode insulator, it should be light brown.
7. Look at the space between the central electrode and the ground electrode, 0.6 – 0.7mm is acceptable here (figure W).
8. Carefully replace the spark plug by hand.
9. When the spark plug is in the cylinder head, it can be tightened again with the supplied spark plug wrench.
10. Place the spark plug cap back on the spark plug.
11. Replace the spark plug service cap on the generator housing.



Replacing the engine oil

1. Place the generator on a flat surface and allow the engine to warm up for a few minutes. Turn off the engine.
2. Loosen the screw of the service cover (3) and remove the service cover (5).
3. Remove the oil filler cap (24).
4. Tilt the generator so that the oil drains from the neck of the oil sump, collect the oil in a container.



5. When all the oil has drained out, the generator can be put upright again.
6. Refill the oil with Ultralub SAE 15W40 from Valkenpower, up to the edge of the neck of the oil sump. Be careful not to allow dirt or dust to enter the oil sump before, during or after filling.
7. Reinstall the oil filler cap and tighten.
8. Replace the service cover (5) and retighten the screw of the service cover (3).

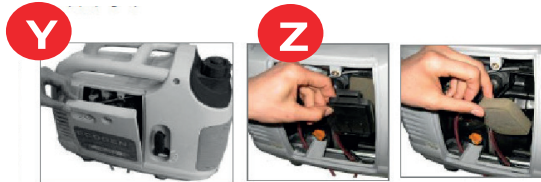
Processing the used engine oil.

The used motor oil must be disposed of in an environmentally friendly manner. It is best to take the oil in a closed can to the local bring environment. Do not throw the oil in the trash and do not throw it on the ground.

The air filter

Maintaining the air filter is very important. Damage to the generator may be caused when the air filter:

- Not well maintained.
- Debris gets into the engine because the filter is not installed properly.
- ALWAYS keep the filter clean.



1. Loosen the screw of the service cover (3) and remove the service cover (figure Y).
2. Remove the air filter cover, unfasten it first at the bottom and then at the top by releasing the clips (figure Z).
3. Now remove the air filter.
4. Wash the air filter in gasoline or turpentine, then allow it to dry.
5. Lubricate the filter with clean engine oil or air filter oil.
6. Squeeze excess oil from air filter, DO NOT WRENCH.
7. Put the air filter back in place.
8. Install the air filter cover.
9. Replace the service cover (5) and retighten the screw of the service cover (3).

NB! Never run the engine without an air filter.

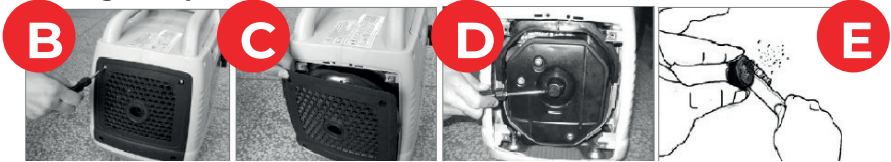
Spark arrester maintenance

The spark arrester must be cleaned regularly to keep it functioning properly. A clogged spark arrester:

- Impedes the flow of exhaust gases
- Reduces power output
- Increases fuel consumption
- Makes starting difficult

When the engine has been running, both the exhaust and the spark arrester are red hot. Allow the exhaust to cool before cleaning the spark arrester.

Removing the spark arrester



1. Remove the 4 screws from the exhaust cover plate and remove the cover plate (figure b & c).
2. Remove the spark arrester screw and remove the spark arrester (Figure d).
3. Use a brush to remove the carbon deposits from the spark arrester, taking care not to damage the screen. If it is damaged (contains cracks or holes), you must replace the spark arrester, only use original Valkenpower parts for this.
4. Reinstall the spark arrester and then the exhaust cover plate.

Keeping the generator clean

1. Keep the generator clean. The outside can be cleaned with a cloth or soft brush. NEVER use water to clean the generator as this may damage internal components.
2. Some maintenance products may damage the plastic parts of the generator, including products containing benzene, trichloroethylene, chlorine or ammonia.
3. Use a vacuum cleaner to clean the air inlet and air outlet of the alternator.
4. Make sure that ventilation inlets and outlets are free of contamination. First sweeping with a soft brush and then blowing with an air compressor is sufficient in most cases.
5. Use eye protection when performing cleaning operations.

Repairs: Inspection and maintenance, work must be carried out by specialized persons. **General inspection:** Regularly check whether all screws are still tight, they can vibrate loose during use.

Environmentally friendly waste disposal

NB! The generator must be disposed of in accordance with laws and regulations. Consult your government for the guidelines regarding the disposal of waste.

8. Troubleshooting

Engine does not start

Too little petrol or oil

- top up with petrol or oil

Ignition switch to Off position

- Set to On position.

Broken spark plug

- Replace spark plug

Choke in wrong position

- Put the choke in the right position (Cold engine = Start, warm engine = Run)

Devices connected when starting

- Disconnect devices

Spark plug cap is loose or not connected

- Tighten the spark plug cap securely

Engine flooded

- Let rest for 5-10 minutes and try again as instructed. If this does not help and the choke lever is in the Start position, try starting again with the choke lever in the Run position.

Old gasoline

- Drain petrol and refuel with new petrol

AC power supply, no output

Broken socket

- Have the socket replaced by a certified company or person.

Is the green indicator light on with the engine running but no power?

- YES - try another device that you know works.
- NO - Have the generator repaired by a certified company or person.

See if the red overload indicator light is on

- If it burns, reduce the load

Broken power cable

- Replace the cable

DC power supply, No output

Fuse blown (only applies to DC)

- Press the reset button/fuse

Generator runs with difficulty

Is the choke lever in the Run position?

- No- put the choke lever in the Run position

Has the generator been standing still for a while and is the gasoline perhaps old?

- If this is the case, remove the old petrol and fill up with new petrol.

Equipment does not work or fails

Disconnect the equipment and check for defects

- If the equipment is defective, follow the instructions in the manual. Do not connect the defective device anymore

DC fuse keeps blowing

Overloaded

- Reduce load

Broken cables or equipment

- Check for exposed or melted wires and replace

Wrong cables used

- Only use the DC cable supplied with the generator. Using other cables may result in the polarity being reversed.

Swapped poles

- Make sure that the clamps are attached to the correct pole. The red clamp (+) on the + terminal of the battery and the black clamp (-) on the - terminal of the battery.

Generator overheats

Generator is overloaded

- Reduce the load

Insufficient ventilation

- Move generator to cool air area

Generator cuts out

Generator has fallen over

- Make sure the generator is upright on a level surface

The engine oil in the generator has run out

- Check the oil level and top up if necessary

The generator has run out of gasoline

- Check the fuel level and top up if necessary

Generator is insufficiently ventilated

- Check whether the room where the fan is located is sufficiently ventilated. If not, move the generator to an area where it is.

The breather valve on the fuel tank cap is in the Off position

- Check that the breather valve on the fuel cap is in the On position, if not turn it to the On position

Air filter is dirty

- Remove the air filter and check it. When it is dirty, clean it, let it dry, grease it and reinstall it.

Fuel filter is clogged

- The internal filter in the fuel line may be clogged. Contact the service company to have the fuel filter replaced.

9. Warranty

1. The warranty takes effect on the date stated on the purchase invoice and is valid for 12 months.
2. The warranty is not transferable without a written statement of consent from Your supplier.
3. No warranty claim can be made without a purchase invoice.
4. Warranty only applies if the product is used according to the supplied manual and only for the purpose for which it was designed.
5. No changes may be made to the product.
6. The warranty does not apply to improper use.
7. Any shipping costs are not covered by the warranty.
8. Repairs should only be carried out by your supplier. Any repair(s) performed by third parties will void the warranty.
9. Repairs during the warranty period will not extend the validity. However, a warranty for the repair of three months is issued if the regular warranty period expires.
10. Any maintenance work to be carried out, described in the operating instructions, must be carried out in good time.
11. For warranty you can only contact the point of sale where you purchased the item.

EG-verklaring van overeenstemming - Declaration of conformity – EG- Konformitätserklärung - Declaration de conformité - Dichiarazione di conformità- Declaración de conformidad

Wij, We, Wir, Nous, Noi, La empresa,

Valkenpower BV, Industrieweg 4, 6051 AE Maasbracht, Nederland,

verklaren geheel onder eigen verantwoordelijkheid dat het product

declare under our sole responsibility that the product

erklären in alleiniger Verantwortung, dass das Produkt

déclarons sous notre seule responsabilité que le produit

dichiariamo sotto la nostra responsabilità che il prodotto

declaramos bajo nuestra exclusiva responsabilidad que el producto

Type Model Type Type Tipo Tipo	Beschrijving Description Beschreibung Description Descrizione Descripción	Merk Brand Marke Marque Marca Marca
EMI2000	Generator	Valkenpower

Waarop deze verklaring betrekking heeft, in overeenstemming zijn met de volgende normen:

To which this declaration relates is in conformity with the following document:

Auf welches sich diese Erklärung bezieht, den folgenden Normen entspricht:

Auquel se réfère cette déclaration est conforme à le document suivant:

A cui si riferisce dichiarazione, corrisponde ai seguenti documenti:

Al que se refiere la presente declaración, corresponde a los siguientes documentos:

De machinerichtlijn, The Machinery Directive, Die Maschinenrichtlinie, La Directive, La direttiva sulle macchine, La Directiva sobre máquinas:

2006/42/EC

Nederland, Maasbracht, 11-04-2023

Directeur Valkenpower

Serienummer
Serial number:



B.A.H Valkenburg

Valkenpower BV, Industrieweg 4, 6051 AE Maasbracht, Nederland

