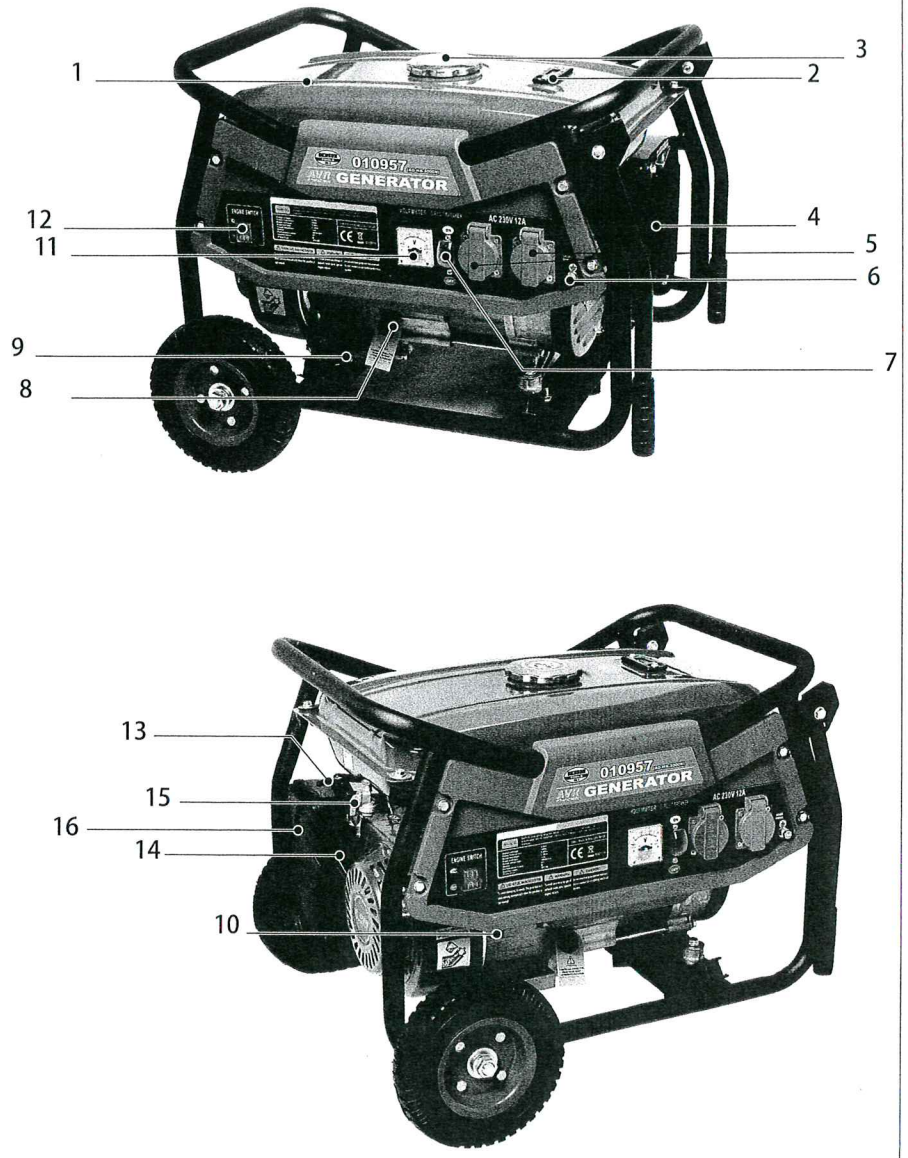
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010957
GENERATOR
AVR
AC 230V 12A
ENGINE SWITCH

Fig. 1

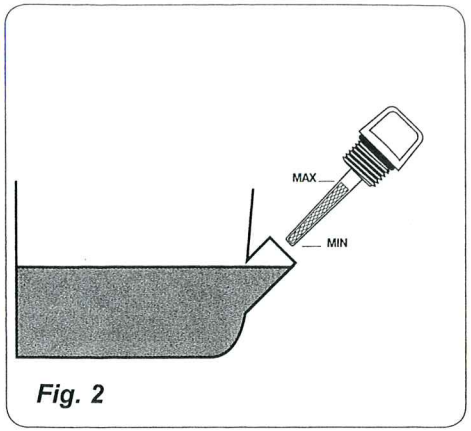

Fig. 2

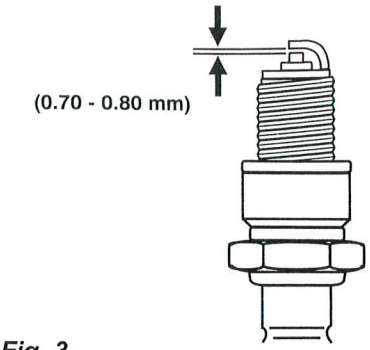

Fig. 3

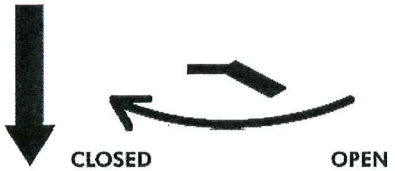

Fig. 4

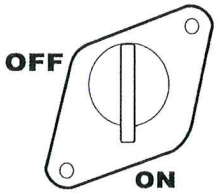

Fig. 5

GENERATOR, AIR COOLED 2500W 6.5HP

The numbers in the following text correspond with the pictures at page 2 + 3.

Safety and operating instructions

For your own safety and for the safety of others, please read these instructions carefully before using this appliance. It will help you understand your product more easily and avoid unnecessary risks. Keep this instruction manual in a safe place for future use.

Contents:

1. Machine data

Introduction

The generator is designated to generate electricity with help of a 4 stroke fuel engine. Now you can use your electric tools in the field in spite of the lack of the electricity grid.

Warning! Do not connect sensitive electronic equipment (such as TV or laptop) on this generator, because of possible high peak voltages.

AVR

The AVR-system Automatic Voltage Regulator) inside this generator produces a stable and precise voltage output.

Technical specification

Rated voltage	AC 230 V
Rated frequency (AC)	50 Hz
Rated output	2500W
Max. output power of apparatus	2800W
Tool class	I
Weight	39.5 kg
Dimensions	655x420x460 mm
Outdoor noise (Lwa)	96 dB(A)
Vibration level	< 2.5 m/s^2
Type Engine	Air cooled 4-stroke petrol
Cylinder arrangement	Inclined, 1 cylinder
Operation hours	7.2Hours
Fuel	Unleaded petrol
Fuel tank capacity	15 L
Engine oil capacity	600 ml

Vibration level

The vibration emission level stated in this instruction manual has been measured in accordance with a standardised test given in EN 61029-1; it may be used to compare one tool with another and as a preliminary assessment of exposure to vibration when using the tool for the applications mentioned.

- using the tool for different applications, or with different or poorly maintainted accessories, may significantly increase the exposure level.
- the times when the tool is switched off or when it is running but not actually doing the job, may significantly reduce the exposure level.

Protect yourself against the effects of vibration by maintaining the tool and its accessories, keeping your hands warm, and organizing your work patterns.

Features

Fig. 1

1. Fuel tank
2. Fuel level indicator
3. Fuel cap
4. Exhaust
5. AC socket
6. Ground terminal
7. AC Switch
8. Oil filler cap
9. Oil drain plug
10. Oil sensor
11. Voltmeter
12. Engine switch
13. Choke lever
14. Recoil starter
15. Fuel tap
16. Air filter cover

2. Safety instructions

Explanation of symbols

In this manual and/or on the machine the following symbols are used:

Risk of damaging material and/or physical injuries

Risk of an electric shock

Keep bystanders away

Do not expose to rain

Outdoor noise

Risk of high temperature
Caution: the generator contains some parts which might reach high temperatures

Safety instructions

Persons

- Never allow children or people unfamiliar with these instructions to use the appliance. Local regulations may restrict the age of the operator.
- Always operate outdoors with good ventilation. Exhaust gas contains poisonous carbon monoxide.
- Always stop the engine before refilling the fuel tank and clean the machine after filling the fuel tank.
- Do not inhale fumes from petrol.

Electricity

- Do not touch the generator if you have wet hands
- Do not operate the generator in wet conditions.
- Do not operate the generator near water.
- Never connect two generators together.
- Never connect the generator to any commercial power outlet.
- Make sure any extension cords used are in a safe condition and of sufficient capacity for the task.
- Ensure that the load on the generator falls within its capacity as specified in the table before plugging in any cords.

Fire and burn hazards

- The exhaust system gets hot enough to ignite some materials:
  - *keep the generator at least 1 meter away from buildings and other equipment during operation.*
  - *keep flammable materials away from the generator.*
- The exhaust becomes very hot during operations and remains hot for a while after stopping the engine:
  - *Let the engine cool before storing the generator indoors.*
  - *Do not touch the hot exhaust with your hands.*
- Gasoline is extremely flammable and is explosive under certain conditions. Do not smoke or allow flames or sparks where the generator is refueled or where gasoline is stored.
- Fuel vapors are extremely flammable and may ignite after the engine has started. Make sure that any spilled fuel has been wiped up before starting the generator.
- Never shade the generator with clothes or other articles.

3. Use

Before starting the generator

Ground terminal

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

Fill and check oil level (quantity is 600 ml)
Always check the oil level (with machine in a level position) before starting and if the engine unexpectedly stops (fig. 2).

For general use you can use an "all temperature" oil 10W-30

≤ 0°C	SAE#10
0°C - 25 °C	SAE#20
25°C -35 °C	SAE#30
≥ 35°C	SAE#40

Fill and check fuel level

- Use unleaded fuel only
- Remove any power cords
- Turn power switches off
- Do not overfill – leave air gap at top of fuel level
- Always screw down fuel cap

- Clean up any spilled fuel
- Do not smoke while operating the generator

Always use caution!

Starting the generator
Fig. 1 + 4 + 5

1. Turn on fuel tap (15).
2. Turn on engine switch (12).
3. Move choke lever (13) to closed position (to restart a warm engine, leave the choke lever in open or half-open position).
4. Pull slowly on the starter cord until it engages, then pull sharply to start the engine (14).
5. Allow the engine to run until it warms up, and then move the choke lever to the open position (13).

Using the AC Output (230 V)

- Start the generator.
- Plug in the electrical appliance plug.
- Press AC current protector downward to "ON"(7).
- The voltmeter (11) displays the voltage on the AC socket. Normally this should be ± 230 V during use.

Stopping the generator
Fig. 1 + 5

1. Unplug all cords (5)
2. Turn engine switch to "OFF" (12)
3. Turn off fuel tap (15)

4. Service & Maintenance

Periodic maintenance

Daily (pre-operation check)

- Check engine oil level
- Check fuel hose for cracks or other damage. Replace if necessary.
- Check exhaust-system for leakage. Retighten or replace gasket if necessary.
- Check choke operation
- Check recoil starter operation

1st Month or 20 hrs

- Replace engine oil

3 Months or 50 hrs

- Check condition of spark plug. Adjust gap and clean. Replace if necessary.
- Clean, replace if necessary.

6 Months or 100 hrs

- Replace engine oil
- Clean fuel tap and fuel tank filter. Replace if necessary.
- Check fittings and fasteners. Replace if necessary.

12 Months or 300 hrs

- Contact a specialized service centre to check the valve clearance.
- Check the fan of the cooling system for damage.

Service – notes on maintenance
Fig.1
Oil replacement

- Warm up engine on level ground
- Remove filler cap (8)
- Open drain plug (9) and let oil drain completely into a pan placed under the engine.
- Check gaskets, replace if required. Refit drain plug and refill engine with clean oil.
- Replace filler cap.

Spark plug inspection
Fig. 3

- Disconnect the spark plug cap, and remove any dirt from around the spark plug area.
- Remove spark plug with the plug spanner supplied.
- Inspect the spark plug. It should be a tan colour.
- Measure the gap (distance contact point) with a suitable gauge. The gap should be 0,7 - 0,8 mm. Correct the gap, if necessary, by carefully bending the side electrode.
- Replace the spark plug if the electrodes are worn, or if the insulator is cracked or chipped.
- Install the spark plug carefully, by hand, to avoid cross-threading.
- Place the spark plug with correct torque: 20 Nm.
- Attach the spark plug cap.

Exhaust screen

- Wait for exhaust to cool.
- Exhaust screen may be blocked up with carbon deposits.
- Undo the screw cap and remove the exhaust screen.
- Clean the screen with a wire brush and refit.
- Replace exhaust screen if damaged.

Air filter cleaning

- Remove the air filter cover (16).
- Remove filter element and wash well in solvent.
- Pour a small amount of oil onto the filter element and gently squeeze out any excess oil.
- Replace the filter element and air filter cover.
- Be sure the filter cover seals properly all around.

Do not run the engine without the air filter element in place.

Never place a wet filter (with solvent) on the machine.

Fuel tap
- To remove the fuel tap filter, simply undo the cup at the bottom of the fuel tank
- Use a small spanner to remove the tap
- Clean and wash out the filter and cup, and replace.

Troubleshooting
Basic checks
- Make sure you have plenty of fuel
- Make sure the fuel tap is on
- Make sure the engine-switch is on
- Make sure the oil level is correct
- The generator has an oil sensor. When the oil level is too low, the generator will not be able to start.
- Remove spark plug, connect spark plug lead and earth it to the generator. Pull starter cord gently and look for a spark. If there is no spark, replace spark plug.

Spark plug is OK, but engine still won't start
- Check fuel tap filter is clean
- Check fuel line is clear
- Check carburetor is not clogged

Engine will not start
- Clean or replace spark plug
- Check ignition system – if faulty, contact your service centre
- Check compression – if low, contact your service centre
- Check for loose cylinder head – tighten bolts
- Check for damaged cylinder head gasket – replace if necessary

Cleaning
Clean the housing regularly with a soft cloth, preferably every time it is used. Keep the air vents free of dust and dirt.

Remove stubborn dirt with a soft rag moistened in soapy water. Do not use any solvents such as petrol, alcohol, ammonia, etc. as such substances can damage the plastic parts.

Storage (long term)
- Drain fuel tank, fuel tap, carburetor bowl and carburetor
- Pour 1 cup of engine oil into the fuel tank and shake the generator to spread the oil around the tank. Drain excess oil.
- Remove spark plug and pour in 1 spoonful of engine oil, pull the starter cord several times with the starter switch OFF. Replace spark plug.
- Pull on the starter cord until you feel compression and stop.
- Clean the generators exterior and coat with rust inhibitor.
- Place the generator on flat ground and cover with a clean dry cloth.

Faults
Should a fault occur, e.g. after wear of a part, please contact the service address on the warranty card. In the back of this manual you find an exploded view showing the parts that can be ordered.

Environment
To prevent damage during transport, the appliance is delivered in a solid packaging which consists largely of reusable material. Therefore please make use of options for recycling the packaging.

Faulty and/or discarded electrical or electronic apparatus have to be collected at the appropriate recycling locations.

Only for EC countries
Do not dispose of power tools into domestic waste. According to the European Guideline 2012/19/EU for Waste Electrical and Electronic Equipment and its implementation into national right, power tools that are no longer usable must be collected separately and disposed of in an environmentally friendly way.

Warranty
Read the terms of warranty on the separate warranty card which is enclosed.

GEnErATOr, IUFTGEküHIT 2500W 6.5PS

Die Nummern im nachfolgenden Text korrespondieren mit den Abbildungen auf Seite 2 + 3.

Sicherheitsvorschriften und Bedienungsanleitung.

Lesen Sie diese Anleitung im Hinblick auf Ihre eigene Sicherheit und die Sicherheit anderer bitte vor der Benutzung dieses Geräts gründlich durch. Dadurch verstehen Sie Ihr Produkt besser und vermeiden unnötige Risiken. Bewahren Sie diese Anleitung zum künftigen Gebrauch an einer sicheren Stelle auf.

Inhalt:

1. Gerätedaten

Einleitung
Der Generator ist für die Stromerzeugung mit Hilfe eines 4-Takt-Benzinmotors ausgelegt. Bei Ausfall des Stromnetzes können Sie also Ihre Elektrowerkzeuge außen benutzen.

Achtung! Schließen Sie an diesen Generator keine empfindlichen elektronischen Geräte (wie Fernsehgerät oder Laptop) an, da Spannungsspitzen auftreten können.

AVR
Der automatische Spannungsregler im Inneren des Stromerzeugers sorgt für eine stabile, präzise Ausgangsspannung.

Technische Daten

Nennspannung	230 VAC
Nennfrequenz (AC)	50 Hz
Nennleistung	2500W
Max. Ausgangsleist. des Geräts	2800W
Werkzeugklasse	I
Gewicht	39.5 kg
Abmessungen	655x420x460 mm
Außengeräusch (Lwa)	96 dB(A)
Schwingungspegel	< 2,5 m/s²
Motor Typ	Luftgekühlter 4-Takt- Benzinmotor
Zylinderanordnung	Geneigt, 1 Zylinder Kontinu
Betriebsstunden	7.2 Stunden
Kraftstoff	Bleifreies Benzin
Kraftstofftankinhalt	15 L
Motorölinhalt	600 ml

Vibrationsstufe
Die im dieser Bedienungsanleitung angegebene Vibrationsemissionsstufe wurde mit einem standardisierten Test gemäß EN 61029-1 gemessen; Sie kann verwendet werden, um ein Werkzeug mit einem anderen zu vergleichen und als vorläufige Beurteilung der Vibrationsexposition bei Verwendung des Werkzeugs für die angegebenen Anwendungszwecke.

- die Verwendung des Werkzeugs für andere Anwendungen oder mit anderem oder schlecht gewartetem Zubehör kann die Expositionsstufe erheblich erhöhen.
- Zeiten, zu denen das Werkzeug ausgeschaltet ist, oder wenn es läuft aber eigentlich nicht eingesetzt wird, können die Expositionsstufe erheblich verringern.

Schützen Sie sich vor den Auswirkungen der Vibration durch Wartung des Werkzeugs und des Zubehörs, halten Sie Ihre Hände warm und organisieren Sie Ihren Arbeitsablauf.

Merkmale
Abb. 1
1. Kraftstofftank
2. Kraftstoffstandanzeige
3. Tankdeckel
4. Auspuff
5. Wechselstromanschluss
6. Erdanschluss
7. Wechselstromschalter
8. Öleinfüllverschluss
9. Ölablassstopfen
10. Ölsensor
11. Voltmeter
12. Motorschalter
13. Starterklappenhebel
14. Reversierstarter
15. Kraftstoffhahn
16. Luftfilterabdeckung

2. Sicherheitsvorschriften

Erklärung der Symbole
In dieser Anleitung und/oder am Gerät werden