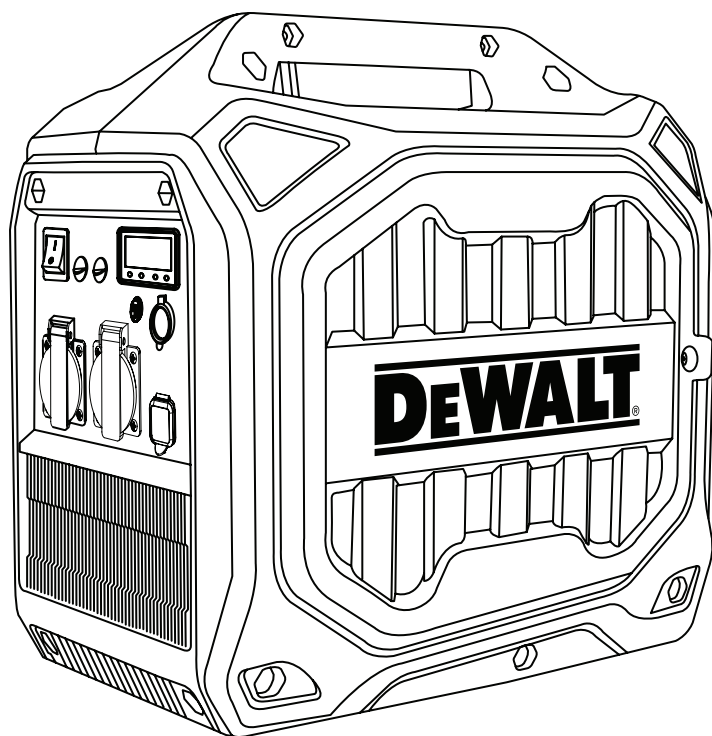


DEWALT®

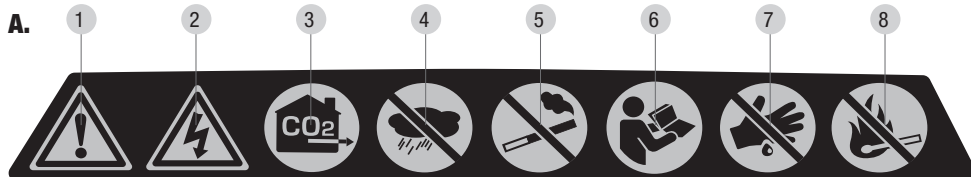


MANUAL

INVERTER GENERATOR

| DXIG24SEU | DXIG35SEU

1



B.

Inverter Generator DXIG35SEU: Höchstleistung 3,5 kW, Nennleistung 3,2 kW, 230 V, 50 Hz, Leistungsfaktor 1, Kraftstoffkapazität 6 L, Hubraum: 181 cm³, IP-Klasse: IP 23M, Abmessungen: 490x310x450 mm, Gewicht: 24 kg, Produktionsdatum: 02.2026

Inverter Generator DXIG35SEU: Moc maksymalna 3,5 kW, Moc nominalna 3,2 kW, 230 V, 50 Hz, współczynnik mocy 1, pojemność zbiornika paliwa: 6 L, silnik: 181 cm³, klasa IP: IP 23M, wymiary: 490x310x450 mm, waga: 24 kg, data produkcji: 02.2026

Інверторний генератор DXIG35SEU: максимальна потужність 3,5 кВт, номінальна потужність 3,2 кВт, 230 В, 50 Гц, коеф. потужності 1, ємність паливного баку: 6 л, об'єм двигуна: 181 см³, IP клас: IP 23M, розміри: 490x310x450 мм, вага: 24 кг, дата виробництва: 02.2026



DEWALT

**INVERTER
GENERATOR
DXIG35SEU**

MAX POWER	3.5 KW
RATED POWER	3.2 KW
VOLTAGE	230 V
FREQUENCY	50 HZ
POWER FACTOR	1
FUEL CAPACITY	6 L

DISPLACEMENT	181 CC
IP CLASS	IP 23M
WEIGHT	24 KG
DIMENSIONS	490X310X450 MM
DATE OF PRODUCTION	02.2026
SERIAL NUMBER	

Manufactured by Dimax International GmbH, Flinger Broich 203, 40235 Duesseldorf, Germany. Assembled in PRC, support.dewalt@dimaxgroup.com

C.

DE DEWALT® Hersteller DIMAX International GmbH, Importeur und Vertreter in Deutschland: DIMAX International Poland Ltd, Strada Poludniowa 8, 05-830

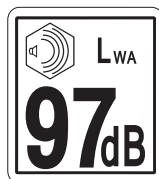
Stara Wieś, Polonia. Produziert in VRC, www.dewalt.konner-sohnen.com

EN DEWALT® Manufacturer DIMAX International GmbH, Flinger Broich 203, 40235 Duesseldorf, Germany. Importer and representative DIMAX International Poland Ltd, Poludniowa 8 st, 05-830 Stara Wieś, Poland. Assembled in PRC, www.dewalt.konner-sohnen.com

PL DEWALT® Producent DIMAX International GmbH, Flinger Broich 203, 40235 Duesseldorf, Niemcy. Importer i przedstawiciel w Polsce: DIMAX International Poland Sp. z o.o., ul. Poludniowa 8, 05-830 Stara Wieś, Polska. Zmontowany w PRL, www.dewalt.konner-sohnen.com

UA DEWALT® Виробник DIMAX International GmbH, Flinger Broich 203, 40235 Дюссельдорф, Німеччина. Імпортер та представник в Україні: ТОВ "ТЕХНО ТРЕЙД КС" вул. Електротехнічна 47, 02225, м. Київ, Україна. Змонтовано в КНР, www.dewalt.konner-sohnen.com

D.



E.



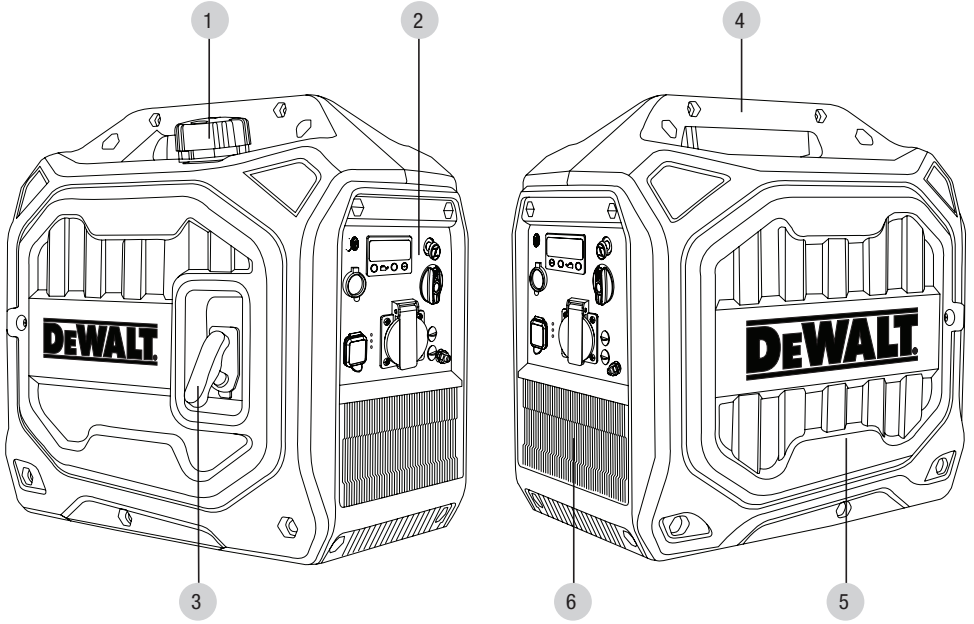
G.



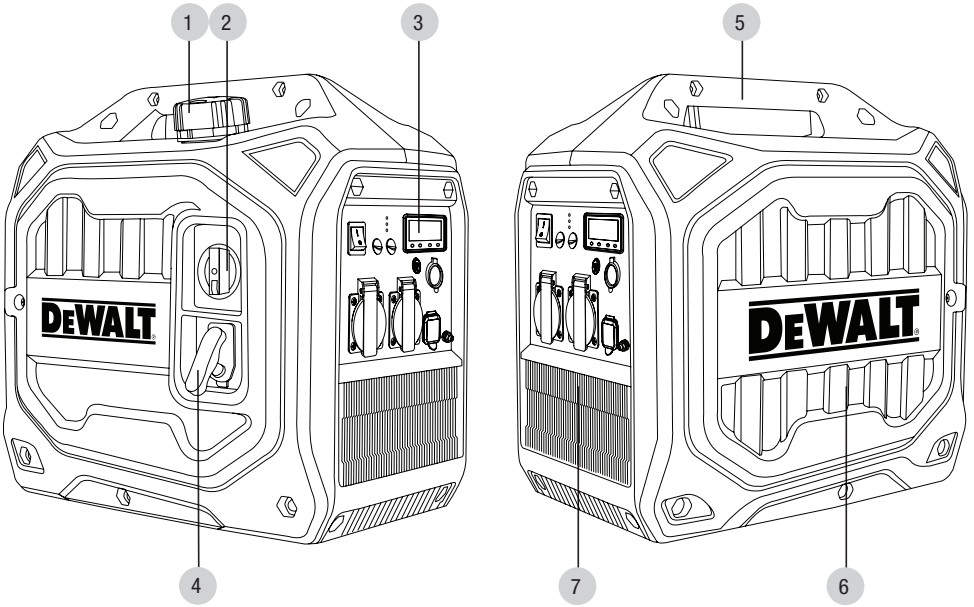
H.



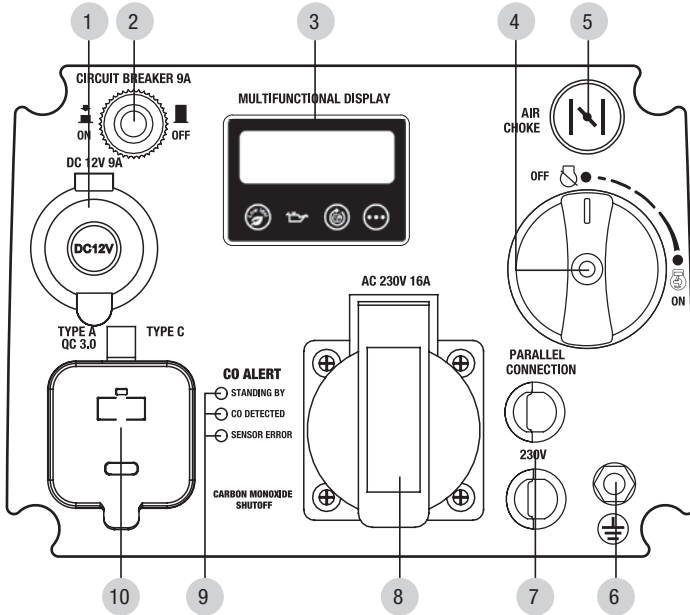
2 Model DXIG24SEU



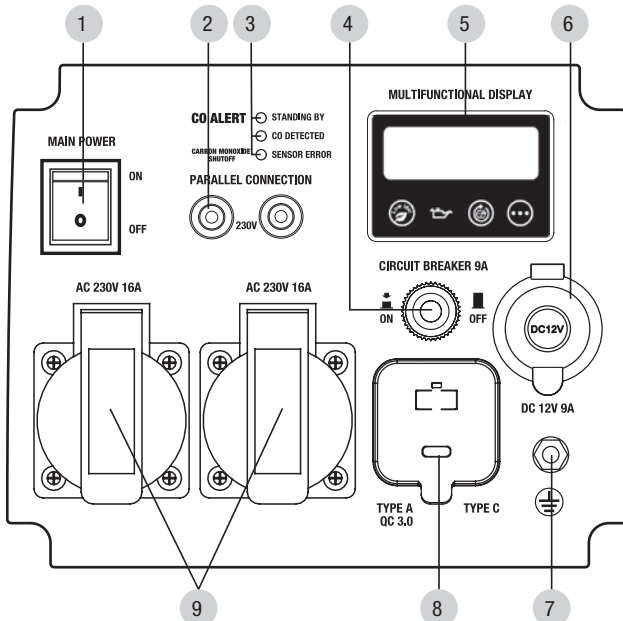
2 Model DXIG35SEU



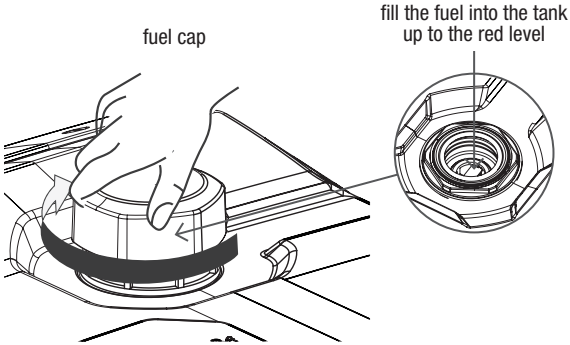
3 Control panel for model DXIG24SEU



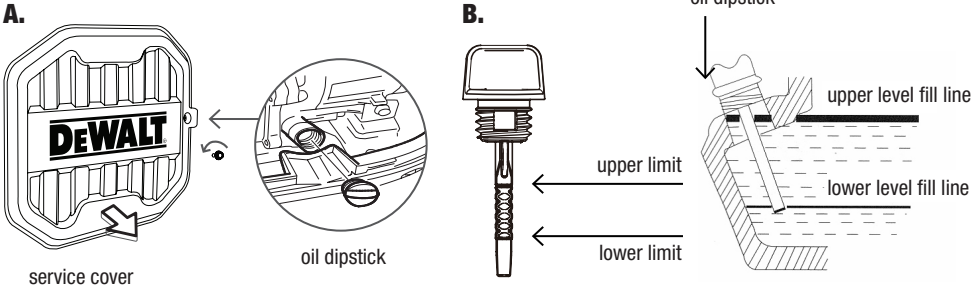
3 Control panel for model DXIG35SEU



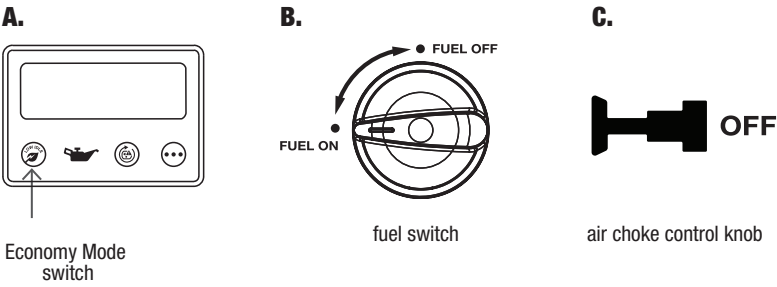
4



5

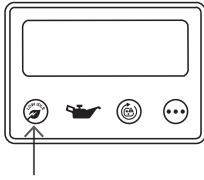


6 Start the engine for model DXIG24SEU



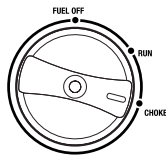
7 Start the engine for model DXIG35SEU

A.



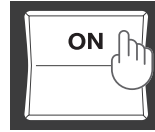
Economy Mode
switch

B.



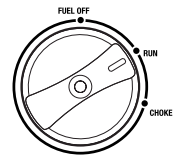
multifunctional
switch

C.



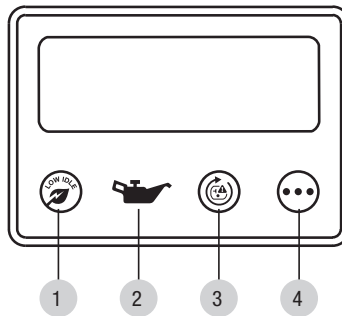
MAIN POWER
button

D.



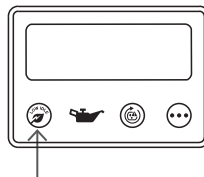
multifunctional
switch

8



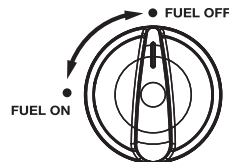
9 Stopping the engine for model DXIG24SEU

A.



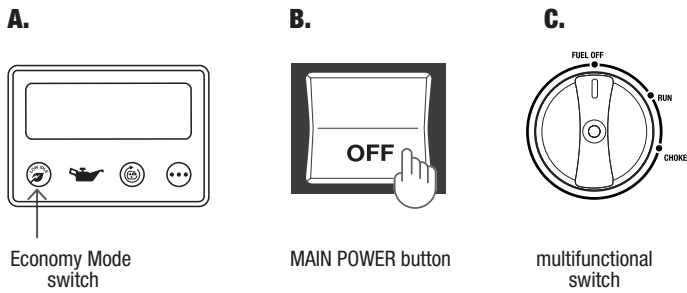
Economy Mode
switch

B.

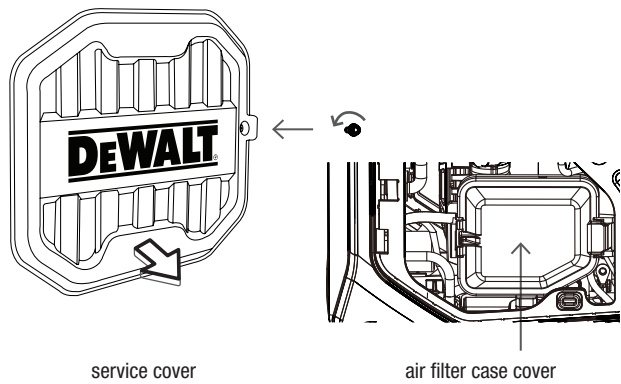


fuel switch

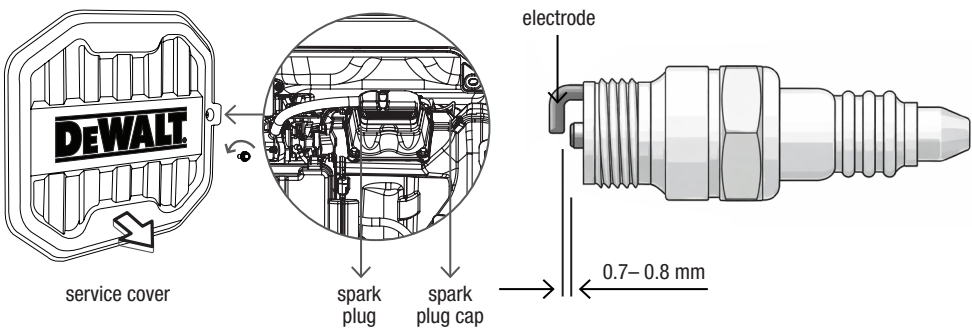
10 Stopping the engine for model DXIG35SEU



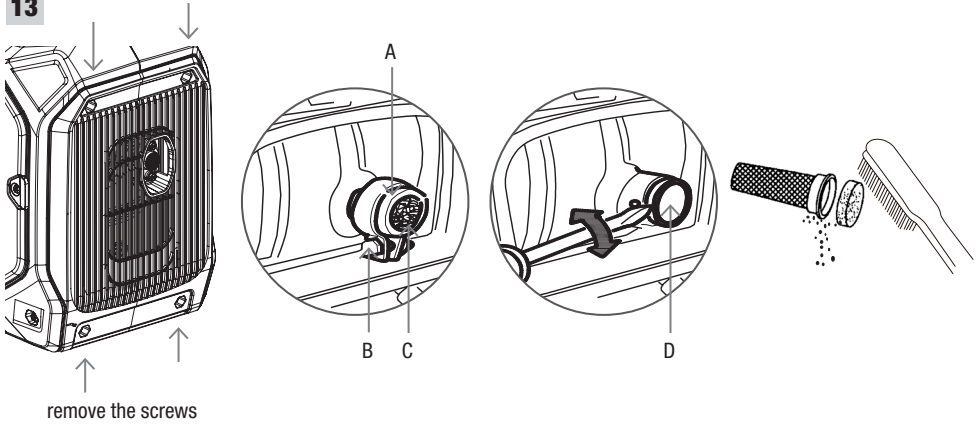
11



12



13



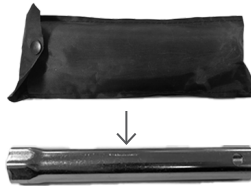
14

A.



portable power
plug 230V (16A)

B.



spark plug kit

C.



dual-purpose
screwdriver

D.



oil funnel

INTRODUCTION

Thank you for your purchase of inverter generator in noise-absorbing housing from **DEWALT®**. This manual contains a brief description of safety, setup and use. More information can be found on the official importer's website in the support section:

konner-sohnen.com/pages/instructions

You can also go to the support section and download the manual by scanning the QR code or on the website of the official importer of **DEWALT®** at **dewalt.konner-sohnen.com**



**PLEASE, READ THIS MANUAL
CAREFULLY BEFORE USE!**

The manufacturer of **DEWALT®** products reserves the right to make changes that may not be reflected in this manual, namely:

- The manufacturer reserves the right to make changes in the product design, configuration, and construction.
- The images and drawings in this manual are for reference only and may differ from the actual components and inscriptions on the products.

If you have any problems, contact information can be found at the end of this manual can be found at the end of this manual. All information in this manual is correct to the best of our knowledge and belief at the date of its publication. The current list of service centers can be found on the official importer's website at **dewalt.konner-sohnen.com**

⚠ ATTENTION – DANGER! Failure to follow the recommendations marked with this sign may lead to serious injury or death of the operator or third parties.

⚠ IMPORTANT! Useful information while operating the machine.

GUARANTEED TOUGH®

**FOR PRODUCT, SERVICE OR WARRANTY
INFORMATION CONTACT US BY EMAIL:
SUPPORT.DEWALT@DIMAXGROUP.COM**

TECHNICAL DATA

MODEL	DXIG24SEU	DXIG35SEU
Voltage	230 V	230 V
Max power	2.4 kW	3.5 kW
Rated power	2.2 kW	3.2 kW
Current (max.)	10.43 A	15.22 A
Current (rated)	9.57 A	13.91 A
Frequency	50 Hz	50 Hz
Outlets	1×Schuko 230V 16A	2×Schuko 230V 16A
Engine start	recoil	recoil
Fuel tank volume	4 l	5 l
LED-display	multifunctional	multifunctional
Noise level, Lwa	93 dB	97 dB
Output 12V	12V/9A	12V/9A
USB + Type C	USB QC3.0 + Type C	
Engine model	R100-i4	EH180i
Engine cylinder volume	98 cm³	181 cm³
Engine type	petrol powered single-cylinder, four-stroke air-cooled	
Engine power	3.6 hp	5.6 hp
Crankcase volume	0.4 l	0.45 l
Power factor	cos φ 1 (230 V)	cos φ 1 (230 V)
Generator parallel outputs	+	+
Gross dimensions (L×W×H)	455×310×485 mm	500×325×500 mm
Net dimensions (L×W×H)	445×296×440 mm	490×305×465 mm
Gross/Net weight	21,1/19,2 kg	26,4/24,3 kg
Protection class	IP23M	IP23M
Acceptable deviation of a current is 5%		

To ensure reliability and extend engine service life, peak power may be slightly limited by circuit breakers.

Optimal operating conditions are an ambient temperature of 17–25°C, barometric pressure of 0.1 MPa (760 mm Hg), and relative humidity of 50–60%. Under these conditions, the generator delivers maximum performance according to the stated specifications. Deviations from these conditions may affect generator performance.

Please note that in order to preserve the lifespan of the generator, continuous loads should not exceed 80% of the rated power.

EC DECLARATION OF CONFORMITY**Machinery Directive****Inverter generator
DXIG24SEU, DXIG35SEU**

DEWALT declares that these products described under

Technical data are in compliance with
2006/42/EC, 2014/30/EU, 2000/14/EC.

EN ISO 8528-13:2016,
EN 55012:2007/A1:2009
EN IEC 61000-6-1:2019
EN ISO 8528-10:2022,
EN ISO 3744:2010,
IEC 60529

These products also comply with 2006/42/EC Machinery Directive, 2014/30/EC Electromagnetic compatibility Directive (EMC), 2000/14/EC Noise Directive.

For more information, please contact DEWALT at the following address or refer to the back of the manual.

The undersigned is responsible for
compilation of the technical file and makes
this declaration on behalf of DEWALT

Igor Wójcikowski

Head of service department, 8 Południowa St.,
05-830 Stara Wieś, Poland
30.01.2026

REACH Regulation (EC) No. 1907/2006

The manufacturer confirms that this product complies with the requirements of the REACH Regulation concerning the restriction of substances of very high concern (SVHC). We confirm that supplied parts comply with REACH Regulation (EC) 1907/2006 and contain no SVHC above 0.1%

Based on information received from component suppliers, no SVHC are present in concentrations exceeding the limits defined by the regulation.

This declaration is made on the basis of self-assessment and supplier statements.

RoHS Directive 2011/65/EU

This product contains electrical and electronic components that are subject to the RoHS Directive 2011/65/EU.

Based on information and test reports provided by component suppliers, the manufacturer confirms that these components comply with RoHS Directive 2011/65/EU.

SAFETY INSTRUCTIONS IN RELEVANT SECTIONS

⚠ ATTENTION – DANGER! When using the generator, attention must be paid to the actual power consumption of the connected electrical devices, including the power factor ($\cos\phi$) and the starting power, which for devices with motors can be several times higher than the rated power and must not exceed the maximum output of the generator.

⚠ ATTENTION – DANGER! As exhaust gases contain poisonous carbon dioxide (CO_2) and carbon monoxide (CO) gases which are dangerous for life, it is strictly forbidden to install the generator in residential buildings, premises connected to residential buildings by a common ventilation system, other rooms from which exhaust gases may enter living premises.

- Do not use generator in the rain, snow and high humidity conditions, do not touch the generator with wet hands. It's prohibited to leave it in direct sunlight in summer for a long time. It is recommended to store and use the generator under a canopy or in a well ventilated area.
- Place the generator on a flat, hard surface, away from flammable liquids/gases (at a minimum distance of 1 m). Install the generator at a distance of not less than 1 m from the front control panel and not less than 50 cm on each side, including the upper part of the generator. To reduce vibration during operation and to avoid damage to the surface, where the generator is installed, it is equipped with dampers.
- Please don't use the generator near flammable gases, liquids or dust. When using the generator exhaust system gets very hot. This may cause fire or explosion of these materials.
- Be sure to follow cleanliness and good lighting in the work area. Clutter and poor lighting may cause an injury.
- Do not let the presence of unauthorized persons, children or animals when working with generator. If necessary, make sure to fencing the working area.
- Please use safety shoes and protective gloves when working with generator.

RESIDUAL RISKS

Despite all design and safety measures applied to this generator set, certain residual risks may still remain during its operation.

NOISE EXPOSURE

The guaranteed sound power level of this generator does not exceed the limits established by Directive 2000/14/EC and applicable EU regulations.

However, prolonged exposure to noise, even within permitted limits, may cause discomfort or fatigue.

Recommendation: When working close to the running generator for extended periods, use approved hearing protection and avoid staying unnecessarily near the noise source.

VIBRATION RISK

The generator is equipped with vibration-isolating mounts to reduce transmission of vibration to surrounding structures.

Nevertheless, continuous or improper operation may lead to operator discomfort or health effects associated with long-term vibration exposure (such as hand-arm vibration syndrome).

Recommendation: Operate the generator only on its vibration-damping supports and avoid prolonged contact with vibrating components.

ENVIRONMENTAL HAZARDS

During fuel filling, oil change, or maintenance, spilled oil or fuel may cause environmental contamination.

⚠ WARNING! Prevent any fuel or oil from entering soil, sewage systems, or water sources.

In case of leakage or accidental spill, stop the engine immediately, collect the liquid with approved absorbent material, and dispose of it according to local environmental regulations.

ELECTRICAL SAFETY

⚠ ATTENTION – DANGER! The device generates electricity. Follow safety precautions to avoid electric shock.

⚠ IMPORTANT! The generator should be used as an IT or TN system based on the application. Earthing and additional protective measures such as insulation monitoring or protection against accidental contact (residual current device) must be provided based on the application and the system used.

- The generator produces electricity that may lead to an electric shock while neglecting compliance regulations.
- DEWALT generators were initially designed as an IT system with basic protection by insulation of hazardous live parts according to DIN VDE 0100-410. The generator housing is insulated from the current-carrying L and N conductors. A layperson without electrical knowledge may only connect one power consumer to the generator without additional protective measures. Connection of a distribution system with more than one consumer may only be carried out by qualified electricians or persons trained in electrical engineering, observing appropriate safety precautions.
- Do not allow moisture in the generator. The water inside the device increases the risk of an electric shock.
- In the high humidity level conditions generator exploit is prohibited. Keep the generator in a dry place only.
- Avoid direct contact with grounded surfaces (pipes, radiators, etc.).
- Be careful when working with power cables. Immediately replace it in case of damage, as damaged wire increases the risk of electric shock.
- Network connection should only be carried out by a qualified technician
- Do not connect or disconnect a generator to electricity consumers, which are placed in water on a wet or damp soil.
- Do not touch parts of the generator under voltage.

- Connect the generator to those customers only which meet the electrical characteristics and the rated power of the generator.
- Store all electrical equipment dry and clean. Wires with damaged or spoiled insulation should be replaced. You should also replace worn, damaged or rusty contacts.

⚠ IMPORTANT! It is forbidden to connect to the generator devices which can generate current pulses and direct energy towards the generator (voltage stabilizers, devices with electronic brakes, on-grid and hybrid inverters, etc.).

The generator and power consumers form a closed system, with elements affecting each other. This system is physically different from the public network since it is significantly affected by factors such as unbalanced phase load and non-linear current consumption by power consumers that can cause damage to the generator and power consumers connected to it.

⚠ IMPORTANT! Using device for other purposes deprives the right for free warranty.

PERSONAL SAFETY

- Be careful. Do not operate the generator, if you are tired, under the influence of drugs or alcohol. Inattention may cause a serious injury.
- Avoid inadvertent start. Make sure to set the switch to Off when you turn off the generator.

⚠ ATTENTION – DANGER! Non compliance to these requirements may result in generator combustion or explosion, as well as in electric wiring ignition inside the structure.

- To avoid inhaling exhaust gas, the generator does not have to work in conditions of poor ventilation. Exhaust gas contains poisonous carbon monoxide.
- Make sure no outsider objects are on the generator when it is turned on. Using device for other purposes deprives the right for free warranty. It is not allowed to sit or stand on the generator.
- Always keep a stable position and balance when starting the generator.
- Do not overload the generator, use it only for the purpose.

PRECAUTIONS WHEN WORKING WITH PETROL GENERATOR

- Do not start the generator with an electrical load connected. Disconnect the load before stopping the engine.
- Generator installation is to be performed at minimum 1 meter safety distance from flammable objects. All explosive and flammable materials or substances are to be kept away from the generator, for its engine produces heat during operation.
- Do not refuel the running generator.
- It is forbidden to smoke during generator refuelling operations.
- **Use only unleaded petrol with an octane rating of 90–95 containing no more than 10% ethanol.** The use of kerosene or any other type of fuel is not allowed! Always follow the manufacturer's recommendations regarding the shelf life and storage of fuel. The fuel in the tank comes into contact with air, which can affect its quality. Over time, depending on the quality of the fuel,

deposits may accumulate in the float chamber of the carburetor, which must be drained regularly to ensure the carburetor functions properly. If the generator is not used for an extended period of time, we recommend completely draining the petrol from the carburetor and the tank via the drain screw on the carburetor to prevent the formation of deposits in the fuel system. Failure to follow these recommendations may lead to the damage of the carburetor.

- Observe the fuel tank refilling. Do not allow overfilling.
- It is forbidden to touch the exhaust system during the generator start and in process of its running.
- It is forbidden to run the generator in cases when its exposure to rain, snow and possibility of soakage exist.
- Before running the generator, it is necessary to define the place and means of its emergency stop.

⚠ ATTENTION – DANGER! Fuel contaminates the land and groundwater. Do not allow the leaking petrol from the tank!

FIRE SAFETY

Keep a suitable fire extinguisher nearby when operating or servicing the generator.

Use only extinguishers suitable for flammable liquids and electrical equipment, such as:

- CO₂ (carbon dioxide) extinguishers
- Foam extinguishers (AFFF type)

Do not use water-based extinguishers on fuel or electrical fires.

Ensure personnel are trained in the proper use of fire extinguishers.

Fuel and fumes generated during operation can be flammable and potentially explosive. Safety regulations require fully charged fire extinguishers to be kept within easy reach of the generator.

⚠ ATTENTION – DANGER! Always start and use the generator set in a well-ventilated area. It is prohibited to use the generator in an unprepared room (without calculated supply ventilation or a properly designed exhaust gas removal system).



PACKAGE CONTENTS

1. Inverter generator
2. Operating instructions
3. Accessories

WARNING LABELS AND SYMBOLS EXPLANATION

Fig. 1A

1. Be careful when operating the device! Observe the safety instructions in this manual.

2. The device generates electricity. Observe safety precautions to avoid electric shock.
3. Operate the generator only in properly prepared rooms or outdoors. Exhaust gases contain CO₂, whose vapors are life-threatening.
4. Do not use or store the device in high humidity.
5. Do not smoke while operating the generator!
6. Read this owner's manual carefully before operating the device.
7. Do not touch the generator with wet or dirty hands.
8. Observe fire safety regulations, and do not operate the generator near open flame.

Fig. 1B Specification table. All characteristics are given in the "Specifications"

Fig. 1C Product label on the generator, listing technical features, specifications, and manufacturer information for customer and regulatory reference.

Fig. 1D Indicates the noise level.

Fig. 1E Use only unleaded petrol with an octane rating of 90–95 containing no more than 10% ethanol.

Fig. 1F Use unleaded fuel only (0–10% ethanol). Do not use E15 or E85.

Fig. 1G Information on the required level of oil in the crankcase.

Fig. 1H Please don't touch! The working surface heats up when running the generator.

MAIN OVERVIEW Fig. 2

For model DXIG24SEU

- | | |
|-------------------|----------------------|
| 1. Fuel tank cap | 4. Transport handle |
| 2. Control panel | 5. Maintenance cover |
| 3. Manual starter | 6. Ventilation grill |

⚠ IMPORTANT! The manufacturer reserves the right to make changes and/or improvements in design, component set and technical attributes without notice, and without incurring obligation. The pictures in this manual are schematic and may not match the parameters of the original product.

For model DXIG35SEU

- | | |
|---------------------------|----------------------|
| 1. Fuel tank cap | 4. Manual starter |
| 2. Multifunctional switch | 5. Transport handle |
| 3. Control panel | 6. Maintenance cover |
| | 7. Ventilation grill |

CONTROL PANELS Fig. 3

For model DXIG24SEU

- | | |
|--------------------------------|-------------------------------|
| 1. 12V/9A DC outlet | 6. Earthing bolt |
| 2. 12V DC fuse | 7. Generator parallel outlets |
| 3. Multifunctional LED-display | 8. AC outlet Schuko 230V |
| 4. Fuel switch | 9. CO ALERT |
| 5. Air choke | 10. USB-Outputs 5V |

For model DXIG35SEU

- | | |
|--------------------------------|---------------------|
| 1. Main power switch | 6. 12V/9A DC outlet |
| 2. Generator parallel outlets | 7. Earthing bolt |
| 3. CO ALERT | 8. USB-Outputs 5V |
| 4. 12V DC fuse | 9. 2×AC outlets |
| 5. Multifunctional LED-display | Schuko 230V |

INSTRUCTIONS FOR USE INCLUDING CONSUMABLE OR MATERIAL INFORMATION, TRANSPORTATION INSTRUCTION ETC.

TERMS OF USE OF INVERTER GENERATOR

Before starting the device, remember that the total power of the connected power consumers should not exceed the nominal power of the generator.

⚠ IMPORTANT! Inverter generators produce 230 V at 50 Hz and must not be used as a replacement for the main power grid when powering devices designed to feed energy into the electrical grid (such as grid-tied inverters, hybrid inverters, microinverters, etc.). These devices may detect the 230 V 50 Hz output from the inverter generator as the main power supply and can damage the generator through backfeeding.

⚠ IMPORTANT! Make sure that the control panel, the blinds and the underside of the inverter are well cooled and protected against the ingress of small solids, dirt, and water. Improper operation of the cooler can cause damage to the motor, inverter or alternator.

BEFORE STARTING

Checking the fuel level.

1. Unscrew the fuel cap and check the fuel level in the tank. Fig. 4
2. Fill the fuel tank to the fuel filter level.
3. Tighten the fuel cap securely.

Recommended fuel: unleaded petrol with an octane rating of 90–95 containing no more than 10% ethanol.

Fuel tank volume: see specifications table.

⚠ IMPORTANT! Wipe up spilled fuel immediately with a clean, dry, soft cloth, as the fuel may harm painted surfaces or plastic parts.

⚠ IMPORTANT! Be sure to observe the expiration date of the petrol. If the generator is not going to be used for an extended period, always drain the petrol from the carburetor and, if necessary, from the fuel tank. Deposits in the fuel system can lead to engine malfunctions. Fuel should not be stored in the tank or canister for longer than 3 months, and in the carburetor for up to 2 weeks.

Checking the oil level.

The generator is transported free of motor oil. Do not start the engine until it is filled with sufficient amount of motor oil.

1. Open the maintenance cover. Fig. 5A
2. Unscrew the oil dipstick and wipe it out with a clean cloth.
3. Fill the crankcase with engine oil. The recommended amount of oil is indicated in the specification chart.
4. Insert the dipstick without screwing it in.
5. Pull out again and check the oil level on the dipstick mark.
6. The oil level should be at the MAX level in the upper part of the oil filler neck. Fig. 5B
7. Screw on the dipstick.

Recommended motor oil: SAE 10W30, SAE 10W40.

Recommended motor oil grade: API Service SG type or higher.

Motor oil quantity: see specifications table.

GETTING STARTED

Before starting the engine, make sure that the rated power of power consumers matches with the power of generator. Do not exceed the nominal power of the generator. **Do not connect any devices before you start the engine!**

⚠ IMPORTANT! Do not change the controller settings in terms of the amount of fuel governor (this adjustment was made at the factory). Otherwise, this may result in changes in the engine operation or its failure.

⚠ ATTENTION – DANGER! When drawing power between the rated and maximum power levels, the generator must not run for longer than 5 seconds. This is common, for example, when starting the electric motor. The required starting power of the motor must not exceed the maximum starting power of the generator.

⚠ ATTENTION – DANGER! Emergency generators should not run continuously (e.g. by adding fuel to the tank or connecting a large fuel tank) or longer than recommended: 4–6 hours for petrol generators (depending on load).

This material is for informational purposes only. The manufacturer assumes no liability for improper connection of the equipment or for any material or physical damage that may result from improper installation, connection or operation of the equipment.

COMMISSIONING

1. Fill the crankcase with engine oil. The recommended amount of oil is indicated in the specification chart.
2. Check oil level with an oil dipstick. The oil level must be at the MAX level in the upper part of the oil filler neck. The generator must be placed on a level surface.
3. Check fuel level.
4. Check if the air filter is correctly installed and clean.

IN THE FIRST 20 OPERATING HOURS OF THE GENERATOR, THE FOLLOWING REQUIREMENTS SHOULD BE MET:

1. During commissioning, do not connect power consumers, the power of which exceeds 50% of the nominal

(operating) power of the device.

2. After the first 20 operating hours, be sure to change the oil. It is better to drain oil while the engine is still hot after operation to ensure quick and complete oil draining.
3. Check and clean the air filter, fuel filter and spark plug.

START THE ENGINE

▲ IMPORTANT! Useful tip: If the engine stalls shortly after starting or does not start at all, we recommend draining deposits from the carburetor and checking the oil level. The generator is equipped with a low oil level indicator, and the engine will stop if the engine oil level is too low.

▲ IMPORTANT! Deposits from the carburetor's float chamber should be drained regularly. If the generator is not going to be used for an extended period, close the fuel tap and drain the petrol from the carburetor to prevent possible deposits from forming inside the carburetor.

▲ IMPORTANT! Do not press Economy mode button during the start!

For model DXIG24SEU:

1. Check the oil level.
2. Check the fuel level.
3. Turn the fuel switch to the "ON" position. **Fig. 6B**
4. Pull the choke knob toward you to the "OFF" position. **Fig. 6C**

▲ NOTE! The choke is not required to close when starting a warm engine. Push the choke knob to the position "ON".

5. Pull the manual starter until a slight resistance is felt, then pull it toward you relatively sharply. Slowly turn the manual starter by hand, do not release it abruptly.
6. Economy Mode (Low idle) button should be in "OFF" position. **Fig. 6A**
7. Wait 1-2 minutes and connect electrical appliances.

For model DXIG35SEU:

1. Check the oil level.
2. Check the fuel level.
3. Set the multifunctional switch to "Choke". **Fig. 7B**

In this position:

- a. Fuel valve is on.
- b. Ignition circuit is on.
- c. Air choke closes and generator is ready to start with a cold engine. (If the engine is warm, immediately turn multifunctional switch to the "RUN" position).
4. Press MAIN POWER button to "ON" position. **Fig. 7C**
5. Pull the manual starter until a slight resistance is felt, then pull it toward you relatively sharply. Slowly turn the manual starter by hand, do not release it abruptly.
6. Set the multifunctional switch to "RUN". **Fig. 7D**
7. Economy Mode (Low idle) button should be in "OFF" position. **Fig. 7A**
8. Wait 1-2 minutes and connect electrical appliances.

GENERATOR OPERATION

Multifunctional LED-display **Fig. 8**

1. Economy Mode switch (Low idle).

2. Oil level indicator.
3. Run/Overload/Reset indicator.
4. Display scroll button.

1. Economy Mode control. When you press the Economy Mode control, to activate the Economy Mode, the unit controls the engine speed according to the connected load. The results are better fuel consumption and less noise. When the Economy Mode is turned to "OFF", the engine runs at the rated speed regardless of weather is a load connected or not.

▲ NOTE! The Economy Mode should not be used when using electric devices that require a large current, such as a compressor or a submersible pump.

2. Oil level indicator (red). The low oil indicator lights up when the oil level is too low. The ignition is deactivated and the engine stops. The engine will not start until oil is added.

▲ NOTE! If the engine stalls or does not start, turn the engine switch to "ON" and then pull the recoil starter. If the oil warning light flickers for a few seconds, the engine oil is insufficient. Add oil and restart.

3. Run/Overload/Reset indicator. When the generator is running normally, the AC lights up green. If there is an abnormality in the generator, the AC flashes red, the machine automatically protects and cuts off the output. Need to press the AC to reset.

The overload indicator lights up when the connected generator is overloaded, the inverter control unit overheats or the AC output voltage rises. If the overload indicator goes on, the engine will continue to operate, but the generator will no longer produce electricity. In this case, you must perform the following steps:

1. Turn off all connected electrical appliances and stop the engine.
2. The total power of the connected devices should be reduced to the generator's rated power. Check the devices.
3. Check if the vent grid is clogged. Remove excess dirt or debris, if any.
4. After checking, start the engine.

▲ IMPORTANT! The overload indicator may light up within several seconds after start-up or when connecting electrical devices requiring a high starting current, such as a compressor or voltage indicator. However, this is not a malfunction.

RUN indicator. When the generator is running and producing electricity, the AC indicator light is on.

4. Display scroll button. Press the button to display the following data: voltage, frequency, current running time, cumulative running time.

Earthing bolt. Depending on the installed network, the generator's grounding screw must be connected either to the equipotential bonding bar (IT network) or to the grounding system (TN network). **The generator is built as an IT system (isolated terra) and has no internal connection between N and PE.** Grounding of the generator is not required for mobile applications and direct power supply to electrical loads. Equipotential bonding between the generator and the electrical loads is achieved via the PE contact of

the sockets and the corresponding conductors of the power cables. Connection of the external distribution should only be carried out by a qualified electrician, observing all prescribed safety precautions.

It is the responsibility of a trained electrician to follow national regulation to properly assess the correct installation type.

Any modification to bond Neutral to Earth must only be performed by a qualified electrician in accordance with local regulations.

Circuit breakers. In the event of an overloaded socket, the power supply to that socket will automatically be disconnected, but the generator will continue running. If another socket is still functioning without overload, the generator will continue supplying power to that socket. If an overload occurs on one socket, disconnect the affected device, allow the circuit breaker to cool for a few seconds, then turn the circuit breaker back on. You may then continue using the socket with an appropriate load.

DC Overload protection. the DC protector automatically switches to "OFF" when the current of the operating electrical device is higher than the rated current. To use this equipment again, turn on the DC Overload breaker.

CO ALERT (Carbon Monoxide Sensor Status Indicator):

STANDING BY — Indicator light is transparent in color. Under normal conditions, the light remains steady and does not flash. It will be flash as red color, when CO exceeds level.

CO DETECTED — Automatic shutdown when carbon monoxide is detected. Flashing red indicator: dangerous level of carbon monoxide. Immediately leave the area and wait for ventilation. Before resuming operation, move the generator to a well-ventilated area. The CO sensor monitors the accumulation of poisonous carbon monoxide around the generator while the engine is running. If high CO levels are detected, the sensor automatically stops the engine.

If increasing levels of CO gas are detected, the CO ALERT automatically shuts down the engine.

SENSOR ERROR — CO sensor malfunction. Flashing yellow indicator: carbon monoxide sensor failure, service is required.

STOPPING THE ENGINE

Disconnect all devices before stopping the generator! Do not stop the generator with the devices turned on. This may disable the generator or devices connected to it!

To stop the engine, proceed as follows:

For model DXIG24SEU:

1. Turn off all devices.
2. Allow the generator to run idle for approx. 1-2 minutes.
3. Turn the Economy mode switch (Low idle) to "OFF". **Fig. 9A**
4. Turn the fuel switch to the "OFF" position. **Fig. 9B**
5. Allow the generator to cool down.
6. Unplug the devices.

For model DXIG35SEU:

1. Turn off all devices.

2. Allow the generator to run idle for approx. 1-2 minutes.
3. Turn the Economy mode switch (Low idle) to "OFF". **Fig. 10A**
4. Set MAIN POWER button to "OFF" position. **Fig. 10B**
5. Set multifunction switch to "OFF" position. **Fig. 10C**
- a) Ignition circuit is switched off.
- b.) Fuel is switched off.
6. Let the generator cool down.
7. Disconnect appliances from the outlets.

FUNCTIONAL DESCRIPTION OF INVERTER GENERATORS

Operation in Economy Mode is prohibited during the first 2-3 minutes of operation until the generator warms up. Economy Mode should be turned on only after starting the generator. Activate economy mode only at loads up to 20% of rated power. Failure to comply with this requirement may result in generator failure and void warranty repair.

Economy Mode function

1. Start the engine.
2. Set the Economy Mode button to "ON".
3. Plug the device into an AC outlet.
4. Make sure the AC indicator light is on.
5. Turn on the electrical device.

The voltage across the inverter module's capacitors is kept lower in Economy Mode, which saves fuel at low loads. However, connecting more powerful power consumers can lead to overload and voltage distortion until the engine reaches the required speed. Turn off Economy Mode if you want to connect more powerful power consumers.

⚠ IMPORTANT! Ensure that the starting power of electrical appliances with motors does not exceed the maximum power of the generator.

Parallel function (for model DXIG24SEU). You can increase the total output power of the generators by connecting the two inverter generators together with special cables for parallel connection from **DEWALT®** (not included in a set). Parallel connection of two generators ensures total rated output power of these generators. When the generators are connected in parallel, the power loss is 10% of the total rated power that can be obtained.

During parallel operation, the Economy Mode switch must be in the same position on both generators.

1. Connect the parallel cable to the dedicated outputs on the generator control panel. Do not use any other cables, don't combine different generator models.
2. Start the engines of the same generator models (DXIG24SEU), check that the green "Working mode" indicator on each generator is on.
3. Plug the appliance into a socket.
4. Switch on the appliance.

⚠ ATTENTION – DANGER! Do not connect or disconnect parallel cables while the generator is running. If you plan to use only one generator, the parallel cables must be disconnected with the engine off.

Parallel function (for model DXIG35SEU). The total output power of the generators can be increased by connecting

two inverter generators together using the Parallel Unit (not included in a set) from **DEWALT®**. Parallel connection of two generators ensures total rated output power of these generators. When the generators are connected in parallel, the power loss is 10% of the total rated power that can be obtained.

GENERATOR TRANSPORTATION

⚠ IMPORTANT! We recommend filling the fuel tank only 70% to avoid fuel spillage during generator operation and transportation.

For easy generator transportation use packaging, which generator was sold in. Secure the box with the generator so that it does not tip over during transportation. Before moving the generator drain the fuel. Keep the generator upright. Never place the generator on its side or upside down!

To move the generator from one place to another lift it by holding the handles.

MAINTENANCE AND SERVICE INSTRUCTION

Works, specified in the "Technical maintenance" section, are to be regularly performed. If the generator user cannot perform regular maintenance independently, it is necessary to contact the official service center to arrange for such work.

⚠ IMPORTANT! In case of any damages that occurred due to non-performance of regular maintenance works, the manufacturer bears no responsibility for such damages.

SUCH DAMAGES INCLUDE:

- Damages occurred as a result of using non-original spare parts;
- Corrosion damage and other results of improper equipment storage;
- Damages occur as a result of maintenance performance by inexperienced and unauthorized specialists.

MANUAL COMPLIANCE

Technical maintenance, operation, and **DEWALT®** generator storage are to be performed according to this manual's recommendations. The manufacturer bears no responsibility for damages and losses caused by non-compliance with safety requirements and technical maintenance rules.

FIELD OF ALL, THIS APPLIES TO:

- use of lubricants, fuel, and motor oils, forbidden by the manufacturer;
- technical changes to the device;
- equipment operations against its intended use;
- indirect damages caused by operating faulty equipment.

⚠ ATTENTION - DANGER! Stop the engine before performing any maintenance work.

This is manual compliance! You can find a list of service center addresses on the website of the exclusive importer: **dewalt.konner-sohnen.com**

TECHNICAL MAINTENANCE WORKS

NODE	Service type	Every start	First month or after 20 hrs	Every 3 months or 50 operating hours	Every 6 month or after 100 working hrs	Every year or 300 operating hours
MOTOR OIL	Check the level	☑				
	Replace		☑	☑		
AIR FILTER	Check/Clean	☑	☑	☑		
	Replace				☑	
SPARK PLUG	Clean		☑	☑		
	Replace				☑	
FUEL TANK	Check the fuel level	☑				
	Clean					☑
FUEL FILTER	Check (clean out)		☑	☑		

- If the generator often operates at high temperature or high load, the oil should be replaced every 25 operating hours.
- If the engine often runs in dusty or other harsh conditions, clean the air filter every 10 operating hours.
- If you missed the maintenance time, perform it as soon as possible to save the generator engine.

⚠ IMPORTANT! The manufacturer shall not be liable for any damage caused by failure to perform maintenance work.

ENGINE OIL REQUIREMENTS

To ensure reliable and long-lasting operation of the petrol engines, it is essential to use engine oil that strictly meets the following quality and viscosity specifications.

API QUALITY CLASS

Use engine oils designed for petrol engines that meet one of the following API (American Petroleum Institute) classifications:

- API SG type or higher.

SAE VISCOSITY CLASS

The oil viscosity should be selected strictly in accordance with the ambient temperature range in which the generator set operates.

SAE Viscosity Class	Operating Temperature Range
10W-30	from -25 °C to +30 °C
10W-40	from -25 °C to +40 °C (primary recommendation)

For most climate zones, the universally recommended and primary viscosity grade is **SAE10W-30, SAE10W-40**.

MIXING IS PROHIBITED:

It is **FORBIDDEN** to mix engine oils of different manufacturers, brands, quality classes, or viscosities. A complete flushing of the engine's lubrication system is required before changing oil types.

Motor oils with viscosities other than those specified in the table may be used only if the average ambient temperature in your region falls outside the indicated operating range.

If the oil level drops, it must be topped up to ensure proper generator operation. The oil level should be checked according to the maintenance schedule.

TO DRAIN THE OIL

1. Please drain the oil while the engine is warm. This provides a quick and complete oil drain.
2. Wear protective gloves to avoid getting oil on the skin.
3. Open the maintenance cover.
4. Place a drain oil holding tank under the engine.
5. Turn the drain cap, located in the engine under the oil-depth gage cap, by means of spanner.
6. Wait till the oil drains.
7. Put the drain cap back and tighten it well.
8. Close the maintenance cover.

OIL FILLING:

1. Make sure that the generator is set on flat level surface.
2. Open the oil filler plug on the engine. **Fig. 5A**
3. Using a funnel, add the required amount of oil into the engine.
4. Check the oil level with a dipstick. **Fig. 5B**

Use only the recommended oils for repairs and maintenance. The use of other lubricants, consumables, and spare parts deprives you of the right to warranty service.

Generator maintenance should only be carried out by qualified personnel. For service maintenance, please contact the point of sale, or look for an up-to-date list of service centers on the importer's official website: **Dewalt.konner-sohnen.com**

AIR FILTER TECHNICAL MAINTENANCE

Air filter cleaning is to be performed each 50 hours of the generator operation (every 10 hours in unusually dusty conditions).

Cleaning the filter

1. Open the clips on the upper cap of the air filter.

2. Remove the sponge filtering element.
3. Remove all dirt deposits inside the hollow case of the air filter.
4. Thoroughly wash the filtering element in warm soapy water.
5. Dry the sponge filter.
6. Lightly oil the filter with a small amount of engine oil to form a protective film, which helps trap fine dust particles.

⚠ ATTENTION – DANGER! Never run the engine without the filter. Otherwise dirt and dust lead to rapid breakage of engine parts. Failure in this case will not be repaired.

SPARK PLUGS TECHNICAL MAINTENANCE **Fig. 12**

Spark plug has to be intact, without soot deposits and to have a correct gap.

Spark plug verification:

1. Remove the cover cap.
2. Remove the cap from the spark plug.
3. Remove the spark plug by means of a corresponding spanner.
4. Examine the spark plug. If it is shattered – it is necessary to replace it. Recommended replacement spark plugs – **TORCH-A5RTC**.
5. Measure the gap. It has to be within range 0.6 – 0.8 mm.
6. In case of repeated use, the spark plug has to be cleaned by means of a metal brush. After that – set the correct gap.

⚠ NOTE! An improperly tightened spark plug will become very hot and could damage the engine. Screw in the spark plugs manually at first or very carefully to avoid damaging the threads in the cylinder head. Then, use a wrench.

DAMPER AND FLAME ARRESTER MAINTENANCE **Fig. 13**

The engine and damper will get very hot after the generator has been started. Do not touch the engine or damper with any part of your body or clothing during inspection or repair until they have cooled down.

Remove the screws and then pull the protective cover towards you. Loosen the bolts (B) and remove the cover (A), screen (C) and flame arrester (D) of the damper. Descale the screen (C) and flame arrester (D) of the damper with a wire brush. Inspect the screen (C) and flame arrester (D) of the damper. Replace them if they are damaged. Replace the flame arrester (D). Replace the screen (C) and cover of the damper. Replace the cover (A) and tighten the screws (B).

⚠ IMPORTANT! Match the protrusion of the flame arrester to the hole in the pipe damper.

FUEL FILTER TECHNICAL MAINTENANCE

⚠ IMPORTANT! Never use petrol while smoking or in the immediate vicinity of an open flame. Never use water for purification the filter.

1. Remove the fuel tank cap and fuel filter.
2. Clean the filter with petrol.
3. Wipe the filter and replace it.

4. Replace the fuel tank cap. Make sure that the fuel tank cap is tight.

DRAINING THE FUEL TANK/CARBURETOR

1. Make sure that the generator is set on flat level surface.
2. Open the maintenance cover.
3. Make sure that the fuel switch is turned to "OFF" (for model DXIG24SEU (multifunctional switch model DXIG35SEU), at this position, the fuel valve is turned OFF so that only the fuel left inside the carburetor will be drained out.
4. The carburetor can be accessed between the engine and the air filter. Locate the transparent tube from the carburetor that extends down through the base plate of the generator.
5. Prepare an approved fuel-storage container and direct the end of the drain tube into the container.
6. Open up the carburetor drain screw with a flat-head screwdriver (not included) and drain out any fuel that has built up inside the carburetor through the drain tube into the approved fuel-storage container.

⚠ NOTE! Wipe off any fuel spilled timely with clean and soft cloth to prevent damage to plastic casing.

7. Once the fuel has drained, tighten the drain screw with the screwdriver.
8. Close the maintenance cover.

⚠ IMPORTANT! Make sure to drain your carburetor before storing the generator for long periods of time.

STORAGE

Storage room has to be dry and free from dust deposits. The storage room must also be locked and inaccessible to children. It is recommended to store and use the generator at temperature of -20°C to +40°C. Avoid direct sunlight, rain on the generator.

⚠ IMPORTANT! Warning! Ensure that the generator remains ready for operation at all times. Therefore in case of device malfunctions, they are to be repaired before dismantling the generator for storage.

⚠ IMPORTANT! Before long-term storage of the generator during the engine work close the fuel valve and let the engine to elaborate petrol from carburetor. Wait until engine stops itself.

LONG-TERM STORAGE

Shut off the generator and allow the unit to cool to room temperature before storing it.

⚠ ATTENTION – DANGER! NEVER place any type of storage cover on the generator while it is still hot. Do not obstruct any ventilation openings.

Follow the procedures below for properly storing your generator. We highly recommend running your generator once a month for 20 to 30 minutes. Plug in a small load in to ensure there is proper power output.

If you do not plan to use the generator for a long time, we recommend:

- Generator and engine external parts (especially the cooling radiators) are to be thoroughly cleaned.
- Carburetor float chamber screw has to be removed and the chamber – drained.
- Remove the spark plug.
- Oil drain screw is to be removed and the oil – drained.
- Pour one teaspoon of motor oil to the cylinder (5-10 ml). After that – pull the starter cord for a few times, to let the oil equally distribute on the cylinder walls.
- Install the spark plug.
- Pull the starter handle until you feel the resistance, to let the piston relocate to the upper pressure tact point. Storing the unit in this condition will prevent internal engine corrosion.
- Smoothly release the starter handle.

When starting the generator after long storage, follow all procedures in reverse order.

POSSIBLE FAILURES AND SOLUTIONS

Typical failures	Possible reason	Solution
Engine does not start	Engine starting switch set to OFF position.	Set the engine starting switch to ON.
	Fuel valve set to off position.	Turn the valve to ON position.
	Air flap is opened.	Shut the air flap.
	No fuel in the engine, or the oil level is too low.	Add fuel or top up the oil.
	Low-quality or dirty fuel is in engine	Change the fuel.
	Sparking plug smoked or corrupted distance between contacts is not nominal.	Clean or replace the plug; Set proper distance between contacts.
Low engine power/ heavy starting	Dirt in fuel tank.	Clean the fuel tank.
	Air filter is dirty.	Clean the air filter.
	Water in a fuel tank/ carburetor; carburetor is jammed	Empty the fuel tank, carburetor
	Distance between contacts of a sparking plug is not nominal	Set proper distance between contacts
Engine is overheated	Cooling fins are dirty.	Clean the cooling fins.
	Air filter is dirty.	Change the air filter.
No voltage while engine is working	Circuit breaker is active.	Turn on the circuit breaker.
	Connected cables are corrupted.	Check the cables.
	Connected device failure.	Try connecting other devices.
Connected devices are not working while generator is running	Generator is overloaded.	Unplug some devices to reduce load.
	Short circuit occurred in one of the devices connected.	Unplug that device to restore system stability.
	Air filter is dirty	Clean the air filter.
	Engine speed is lower than nominal.	Contact the service center.

ACCESSORIES

Inverter generators are supplied in a set with portable power plug 230V (16A) Fig. 14A, spark plug kit Fig. 14B, dual-purpose screwdriver Fig. 14C, oil funnel Fig. 14D

RECYCLING INFORMATION

WEEE DIRECTIVE COMPLIANCE (2012/19/EU)

This product is subject to the European Directive 2012/19/EU on Waste Electrical and Electronic Equipment (WEEE). The inverter generator must not be disposed of together with household waste. At the end of its service life, the product must be taken to an authorized collection point for electrical and electronic equipment for proper treatment, recovery, and recycling. The generator housing is made of plastic and should be recycled in accordance with local regulations. The packaging materials, including the cardboard box, are recyclable and should be disposed of through appropriate recycling systems.



SERVICE AND WARRANTY INFORMATION STATEMENT

The international manufacturer warranty is 2 years or 1000 hours (whichever comes first). The warranty period starts from the date of purchase. Within the warranty period, if the product fails because of defects in the production process, it will be exchanged on the same product or repaired.

The customer must provide buyer's check during request for repair or exchange. Otherwise, the warranty service will not be provided.

Provide clean product to the service center. Parts, that must be replaced, are the property of the service center.

WARRANTY DOES NOT COVER:

- If the user has failed to comply with the instructions in this manual.
- If the product features damaged or missing identification stickers or labels, serial numbers, etc.

- If product malfunction was due to improper transportation, storage and maintenance.
- In case of mechanical damages (cracks, chips, impact and fall marks, deformation of housing, power cord, plug or any other components), including those resulting from the freezing of water (ice formation), provided there are foreign objects inside the unit.
- If the product has been improperly installed and connected to the mains supply or misused.
- If the claimed malfunction cannot be diagnosed or demonstrated, warranty repair will not be performed.
- If proper operation of the product can be restored following cleaning from dust and dirt, appropriate adjustment, maintenance, oil change, etc.
- If the product is used for business related purposes.
- If faults are detected, which have been caused by product overload. Signs of overload are molten or discolored parts as a result of high temperatures, damaged cylinder or piston surfaces, degraded piston rings or connecting rod bushes.
- The warranty does not cover the failure of the product automatic voltage regulator due to careless handling or mishandling.
- If faults are detected, which have been caused by instability of the user's power grid.
- If there are faults caused by contamination or fouling such as contamination of the fuel, oil or cooling system.
- If electrical cables or plugs show signs of mechanical or thermal damage.
- In the event of foreign liquids and objects, metal chips, etc. inside the product.
- If the malfunction is caused by the use of non-original spare parts and materials, oils, etc.
- If there are two or more faulty units that are not interconnected.
- If the damage was caused by natural factors such as dirt, dust, humidity, high or low temperature, natural disasters.
- In case of simultaneous failure of the rotor and stator.
- For wear parts and accessories (spark plugs, nozzles, pulleys, filter and safety elements, batteries, detachables, belts rubber seals, clutch springs, axles, hand starters, grease, mountings, working surfaces, hoses, chains, and tires).
- To preventive maintenance (cleaning, greasing, washing), installation and adjustment.
- If the product was tampered with, independently repaired or modified.
- In case of malfunctions resulting from normal wear and tear as a result of long-term use (end of life).
- If product operation was not stopped and continued after detecting a malfunction.
- Batteries supplied with equipment are covered by a warranty of three months.
- When using low-grade or inappropriate fuel.

DEWALT® and the DEWALT logo are registered trademarks of Stanley Black & Decker, Inc. or an affiliate thereof and are used under license.

Manufactured by Dimax international GmbH.

Imported and Marketed by Dimax DIMAX International Poland Sp.z o. o.

Made in China.