FIELDMANN®
Home & Garden Performance



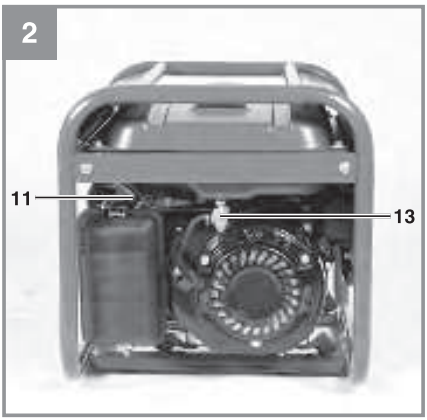
FZI 3100-B

English 5–16
Čeština 17–28
Slovenčina 29–40
Magyarul 41–52
Polski 53–64

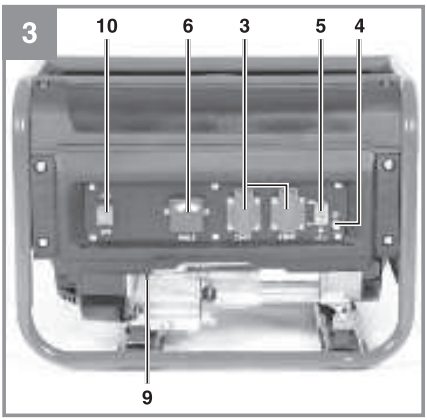
1



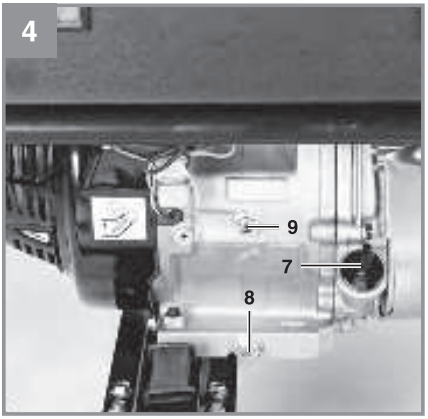
2



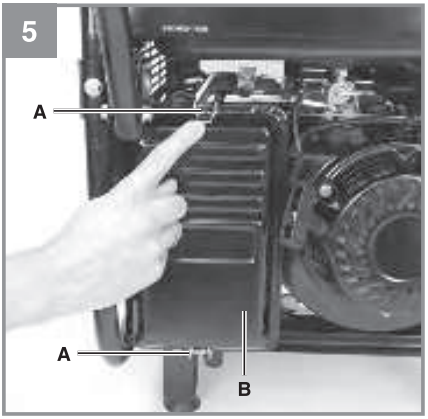
3



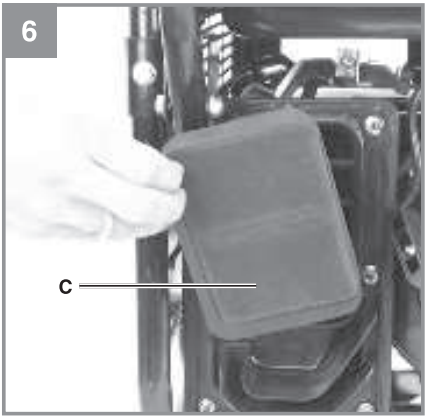
4



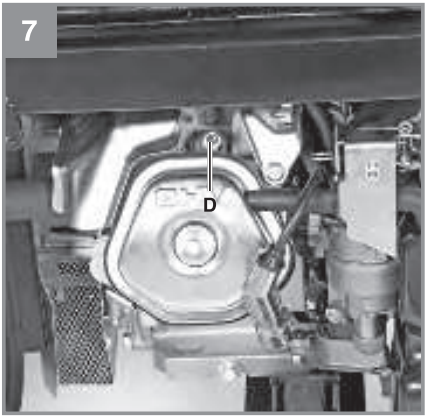
5



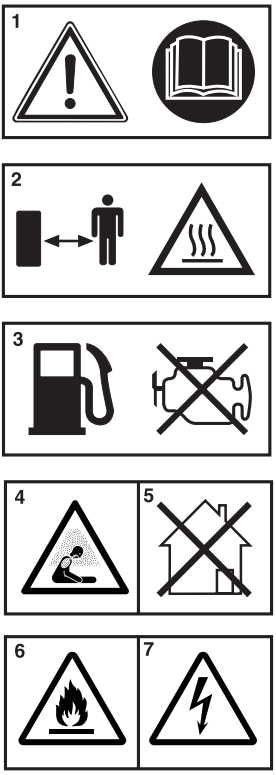
6



7



8



Generator
USER MANUAL

Thank you for purchasing this Generator. Before using the inverter, please carefully read this user manual and keep it for future reference.

TABLE OF CONTENTS

1. SAFETY INFORMATION 6
   Safety label 6
2. LAYOUT AND ITEMS SUPPLIED 8
   2.1 Layout (Fig. 1-3) 8
   2.2 Items supplied 8
3. PROPER USE 9
4. BEFORE STARTING THE EQUIPMENT 9
   4.1 Electrical safety: 9
   4.2 Environmental protection 9
   4.3 Connecting to earth 9
5. OPERATION 10
   5.1 Starting the engine 10
   5.2 Connecting consumers to the generator 10
   5.3 Overload cut-out 2 × 230 V socket-outlets 11
   5.4 Switching off the engine 11
6. CLEANING, MAINTENANCE, STORAGE AND ORDERING OF SPARE PARTS 11
   6.1 Cleaning 11
   6.2 Air filter 11
   6.3. Spark plug 12
   6.4 Changing the oil and checking the oil level (before using the machine) 12
   6.5 Automatic oil cut-out 12
   6.6 Maintenance 12
   6.7 Storage 12
   6.8 Ordering replacement parts: 12
7. TECHNICAL DATA 13
8. DISPOSAL 14
9. TROUBLESHOOTING 15
10. DECLARATION OF CONFORMITY 16

1. SAFETY INFORMATION

⚠ **Please read the following information carefully so that personal and property safety can be guaranteed.**

- Before using your generator, please read and understand the user's manual.
- Engine emissions contain poisonous carbon monoxide. Operate the generation in a ventilated location.
- During the generator operation and before it has cooled down, please don't touch the hot exhaust silencer.
- Under the specified conditions, the petrol is explosive and combustible. When replenishing the fuel, the generator should be turned off and no smoking and no flame sources are allowed in its neighbourhood.
- In order to prevent risk of electric shock or fire, don't connect the equipment to the building's grid or other generator.
- The running generator should be positioned at least one meter apart from frameworks and other electric appliances.
- Position the generator on flat surface to prevent overturning or fuel spilling.
- Keep your children and pets away from the work area.
- Don't handle with wet hands.
- Don't expose the generator to rain, moisture and snow.
- During operation, position the generator at least 1 m apart from buildings and other equipment.
- Bigger repairs may only be performed by a professionally trained person.
- Don't use the generator for underground applications.
- Don't use the generator in a potentially explosive environment.
- When operating or servicing your generator, use personal protective equipment: gloves, mask and ear plugs.

SAFETY LABEL

DANGER!

Using the generator indoors MAY CAUSE DEATH WITHIN A COUPLE OF MINUTES.
The generator's exhaust fumes contain carbon monoxide.
This is a poisonous substance neither to be seen nor smelled.



- NEVER operate the equipment in your house or garage, EVEN IF the doors and windows are open.



- Use only OUTDOORS and away from windows, doors and vents.

ATTENTION



- Failure to read and adhere to the instructions in the user's manuals may lead to death, personal injury or property damage.
- The running engines emit carbon monoxide, poisonous gas without smell and colour. Inhaling carbon monoxide may lead to nausea, fainting or death. DON'T START the equipment in enclosed spaces even if the windows and doors are open.
- The generator poses a risk of potential electric shock. Don't expose the equipment to moisture, rain or snow. Don't operate with wet hands of feet.
- Petrol and its vapours are combustible and explosive. Prior to replenishing the fuel, turn the engine off and let it cool down for at least 2 minutes.
- Failure to provide a proper grounding of the generator may lead to death as a consequence of electric shock especially in the generator is equipped with trundles.

⚠ **FOR MAINTENANCE SCHEDULE, PLEASE REFER TO THE USER'S MANUAL**
CHANGE OIL AFTER NO LONGER THAN 50 HOURS
Detach the panel on the invertor rear side to access the oil cap.
Failure to observe the specified service intervals leads to shortening the engine lifetime.
DON'T REMOVE THIS MARK

2. LAYOUT AND ITEMS SUPPLIED

2.1 LAYOUT (FIG. 1-3)

1 Tank indicator
2 Tank cover
3 2 × 230 V~ socket-outlets
4 Earth connection
5 Safety tripping element 230 V
6 Voltmeter
7 Oil filler screw
8 Oil drainage screw
9 Oil shortage cut-out
10 On/Off switch
11 Choke lever
12 Reversing starter
13 Petrol cock
14 Spark plug wrench
15 Oil filler funnel

2.2 ITEMS SUPPLIED

Please check that the article is complete as specified in the scope of delivery. If parts are missing, please contact our service center or the sales outlet where you made your purchase at the latest within 5 working days after purchasing the product and upon presentation of a valid bill of purchase.

Also, refer to the warranty table in the service information at the end of the operating instructions.

- Open the packaging and take out the equipment with care.
- Remove the packaging material and any packaging and/or transportation braces (if available).
- Check to see if all items are supplied.
- Inspect the equipment and accessories for transport damage.
- If possible, please keep the packaging until the end of the guarantee period.

⚠ DANGER!

The equipment and packaging material are not toys. Do not let children play with plastic bags, foils or small parts. There is a danger of swallowing or suffocating!

- Original operating instructions

3. PROPER USE

The device is designed for applications operated with a 230 V alternating current source. Be sure to observe the restrictions in the safety instructions.
The generator is intended to provide electric tools and light sources with electricity.
When using the device with household appliances, please check their suitability in accordance with the relevant manufacturer's instructions. In case of doubt, ask an authorized dealer of the respective appliance.

The equipment is to be used only for its prescribed purpose. Any other use is deemed to be a case of misuse. The user / operator and not the manufacturer will be liable for any damage or injuries of any kind caused as a result of this.

Please note that our equipment has not been designed for use in commercial, trade or industrial applications. Our warranty will be voided if the machine is used in commercial, trade or industrial businesses or for equivalent purposes.

4. BEFORE STARTING THE EQUIPMENT

4.1 ELECTRICAL SAFETY:

- Electric supply cables and connected equipment must be in perfect condition.
- The generator is to be operated only with
- equipment whose voltage specifications conform with the generator's output voltage.
- Never connect the generator to the power supply (socket-outlet).
- Keep the cable length to the consumer as short as possible.

4.2 ENVIRONMENTAL PROTECTION

- Dispose of soiled maintenance material and
- operating materials at the appropriate collection point.
- Recycle packaging material, metal and plastics.

4.3 CONNECTING TO EARTH

The housing is allowed to be connected to earth in order to discharge static electricity. To do this, connect one end of a cable to the earth connection on the generator (Fig. 4) and the other end to an external earth (for example an earthing rod).

5. OPERATION

⚠ IMPORTANT!
You must fill up with engine oil and fuel before you can start the engine.

- Check the fuel level and top it up if necessary
- Make sure that the generator has sufficient ventilation
- Make sure that the ignition cable is secured to the spark plug
- Inspect the immediate vicinity of the generator
- Disconnect any electrical equipment which may already be connected to the generator

5.1 STARTING THE ENGINE

- Open the petrol cock (13) by turning it down
- Move the ON/OFF switch (10) to position „ON" with the key.
- Move the choke lever (11) to position I ∅ I.
- Start the engine with the reversing starter (12) by pulling the handle forcefully. If the engine does not start, pull the handle again.
- Push the choke lever (11) back again after the engine has started.

⚠ IMPORTANT!
When starting with the reserve starter, the motor may recoil suddenly as it starts up, resulting in hand injuries. Wear protective gloves when starting the equipment.

5.2 CONNECTING CONSUMERS TO THE GENERATOR

- Connect the equipment you want to use to the 230 V~ sockets (3).

⚠ IMPORTANT!
These sockets may be loaded continuously (S1) with 3100W and temporarily (S2) for a maximum of 5 minutes with 3150 W or for a maximum of 2 minutes (with a cold motor) with 3200W.

- The generator is suitable for 230 V~ AC appliances only.
- Do not connect the generator to the household mains system as this may result in damage to the generator itself or to other electrical appliances in your home.

🕮 Note:
Some electrical appliances (power jigsaws, drills, etc.) may have a higher level of power consumption when used in difficult conditions.
Some electrical appliances (for example televisions, computers, etc.) must not be powered by a generator.

If in doubt, consult the manufacturer of your appliance.

5.3 OVERLOAD CUT-OUT 2 × 230 V SOCKET-OUTLETS

⚠ IMPORTANT!

The generator is fitted with an overload cut-out.

This shuts down the sockets (3). You can restart the sockets (3) by pressing the overload cut-out (5).

⚠ IMPORTANT!

If this happens, reduce the electric power you are taking from the generator or remove any defective connected appliances.

⚠ IMPORTANT!

Defective overload cut-outs must be replaced only by overload cut-outs of identical design and with the same performance data. If repairs are necessary, please contact your customer service center.

5.4 SWITCHING OFF THE ENGINE

- Before you switch off the generator, allow it to run briefly with no consumers so that it can „cool down"
- Move the ON/OFF switch (10) to position „OFF" with the key.
- Close the petrol cock

6. CLEANING, MAINTENANCE, STORAGE AND ORDERING OF SPARE PARTS

Switch off the motor and pull the spark plug boot from the spark plug before doing any cleaning and maintenance work on the equipment.

⚠ NOTICE!

Switch off the machine immediately and contact your service station:

- In the event of unusual vibrations or noise
- If the engine appears to be overloaded or misfires

6.1 CLEANING

- Keep all safety devices, air vents and the motor housing free of dirt and dust as far as possible. Wipe the equipment with a clean cloth or blow it with compressed air at low pressure.
- We recommend that you clean the device immediately each time you have finished using it.
- Clean the equipment regularly with a moist cloth and some soft soap. Do not use cleaning agents or solvents; these could attack the plastic parts of the equipment. Ensure that no water can seep into the device.

6.2 AIR FILTER

In this connection, please also read the service information.

- Clean the air filter at regular intervals, and replace it if necessary.
- Open both clips (Fig. 5/A) and remove the air filter cover (Fig. 5/B).
- Remove the filter elements (Fig. 6/C)
- Do not use abrasive cleaning agents or petrol to clean the elements.

- Clean the elements by tapping them on a flat surface. In cases of stubborn dirt first clean with soapy water, then rinse with clear water and air-dry.
- Assemble in reverse order

6.3. SPARK PLUG

Check the spark plug for dirt and grime after 20 hours of operation and if necessary clean with a copper wire brush. Thereafter service the spark plug after every 50 hours of operation.

- Pull off the spark plug boot with a twist.
- Remove the spark plug (Fig. 7/D) with the supplied spark plug wrench.
- Assemble in reverse order

6.4 CHANGING THE OIL AND CHECKING THE OIL LEVEL (BEFORE USING THE MACHINE)

The motor oil is best changed when the motor is at working temperature.

- Place the generator on a slightly inclined surface so that the oil drain plug is at the lower end.
- Open the oil filler plug.
- Open the oil drain plug and let the hot engine oil drain out into a drip tray.
- After the old oil has drained out, close the oil drain plug and place the generator on a level surface again
- Fill in engine oil up to the top mark on the oil dip stick.
- Important: Do not screw the dipstick in to check the oil level, simply insert it up to the thread.
- Dispose of the waste oil properly.

6.5 AUTOMATIC OIL CUT-OUT

The automatic oil cut-out responds if there is too little oil in the engine. In this case it will not be possible to start the engine or it will cut out automatically after a short period of time. It cannot be started again until the engine oil has been topped up (see point 7.4).

6.6 MAINTENANCE

- There are no parts inside the equipment which require additional maintenance.

6.7 STORAGE

- Leave the machine to cool (approx. 5 minutes).
- Clean the exterior housing of the machine.
- Store the machine in a cold, dry place where it is out of the reach of ignition sources and inflammable substances.

6.8 ORDERING REPLACEMENT PARTS:

Please quote the following data when ordering replacement parts:

- Type of machine
- Article number of the machine
- Identification number of the machine
- Replacement part number of the part required.

For our latest prices and information please go to www.Einhell-Service.com.

7. TECHNICAL DATA

Generator	Synchronous
Protection type:	IP 23M
Continuous rated power P_{rated} (S1):	3100 W/230 V~
Maximum power P_{max} (S2 5 min):	3150 W/230 V~
Maximum power P_{max} (2 min):	3200 W/230 V~
Rated voltage U_{rated}:	2 × 230 V~
Rated current I_{rated}:	13.5A (230V~)
Frequency F_{rated}:	50 Hz
Drive engine design:	4-stroke, air-cooled
Displacement:	212 cm^3
Max. power:	4.15 kW / 5.6 hp
Fuel:	normal unleaded petrol (E10)
Tank capacity:	13.5 l
Engine oil:	ca. 0.6 l
Consumption at 2/3 load:	approx. 1.2 l/h
Weight:	40 kg
Power factor cos φ:	1
Power class:	G1
Max. temperature:	40°C
Max. altitude (above mean sea level):	1000 m
Spark plug:	LD F6RTC

Operating mode S1 (continuous operation)
The machine can be continuously operated with the quoted power output.

Operating mode S2 (temporary operation)
The machine may be temporarily operated with the quoted power output (5 min.). Afterwards the machine must be stopped for a while to prevent it from overheating (5 min.).

8. DISPOSAL

INSTRUCTIONS AND INFORMATION REGARDING THE DISPOSAL OF USED PACKAGING MATERIALS

Dispose of used packaging material at a site designated for waste in your municipality.



The appliance and its accessories are manufactured from various materials, e.g. metal and plastic.
Take damaged parts to a recycling centre. Inquire at the relevant government department.

Changes in the text, design and technical specifications may be made without prior notice and we reserve the right to make these changes.

Translation of the original user's manual.

9. TROUBLESHOOTING

Fault	**Mögliche Ursache**	**Behebung**
Engine does not start	Automatic oil cut-out has not responded	Check oil level, top up engine oil
	Spark plug fouled	Clean or replace spark plug
	No fuel	Refuel / have the petrol cock checked
Generator has too little or no voltage	Controller or capacitor defective	Contact your dealer
	Overcurrent circuit-breaker has triggered	Actuate the circuit-breaker and reduce the consumers
	Air filter dirty	Clean or replace the filter

10. DECLARATION OF CONFORMITY

FAST ČR, a.s.
U Sanitasu 1621, 251 01 Říčany, Czech Republic
tel.: +420 323 204 111, fax: +420 323 204 110

EU DECLARATION OF CONFORMITY

Product / brand: Generator / **FIELDMANN**

Type / model: **FZI 3100-B** as factory model EYG3900G
Engine 212cm^3; 4,15kW; 3000/min^{-1}
AC Output 230V/50Hz; 13,5A; 3,1kW

Manufacturer: FAST ČR, a.s.
U Sanitasu 1621, 251 01 Říčany, Czech Republic
VAT no: CZ24777749

This declaration of conformity is issued under the sole responsibility of the manufacturer. Person in charge of completing the technical documentation: FAST ČR, a.s.

The object of the declaration described above is in conformity with the relevant Union harmonization legislation:
Directive MD 2006/42/EC
Directive RoHS 2011/65/EU
Directive Emission of gaseous 2016/1628/EU

The relevant harmonized standards and the other technical specifications:
EN ISO 8528-13:2016

CE

Place of issuance: Prague
Date of issuance: 28. 02. 2026

Name: Petr Uher - Responsible Person
Signature:

FAST FAST ČR, a.s.
U Sanitasu 1621, 251 01 Říčany
tel.: +420 323 204 111
IČO: 247 77 749, DIČ: CZ 247 77 749