TRADITIONELLE DEUTSCHE QUALITÄT

Please, read this manual carefully before use!

Owner's Manual

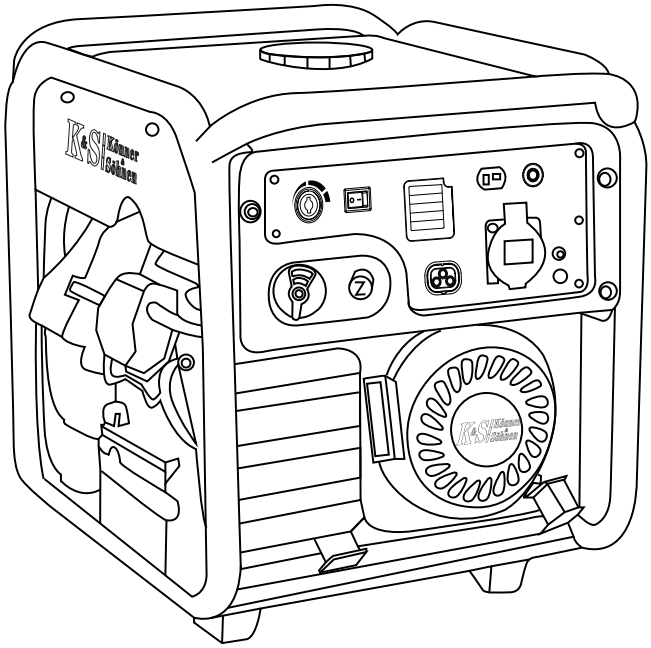
ENG

Inverter Generator

KS 1200i
KS 2100i
KS 3500i
KS 3500iE G-Profi
KS 7100iE G-Profi

Inverter Generator in Soundproof Housing

KS 2000i S
KS 3300i S
KS 3300iEG S-Profi
KS 4000iE S
KS 4000iEG S-Profi
KS 7200iEG S-Profi



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TRADITIONELLE DEUTSCHE QUALITÄT

TABLE OF CONTENTS

ABBREVIATIONS AND ACRONYMS:

KS	Könner & Söhnen generator
i	Inverter
S	Soundproof housing
E	Electric start
G	Gas operation

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1. PREFACE

Congratulations on your purchase of the gasoline generator from **TM Könner & Söhnen**. This manual contains safety instructions, a description of the use and commissioning of Könner & Söhnen generators and procedures for their maintenance.

The generator manufacturer may make some modifications that may not be reflected in this manual. 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.

Contact information that you are free to use in case of any problems 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.

Please read this manual carefully before first use in order to ensure equipment integrity and avoid possible injuries.

The current list of service centers can be found on the official importer's website:

www.ks-power.de/en

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2. INVERTER GENERATOR USE AND SAFETY PRECAUTIONS

Read this manual carefully before starting to use the generator.

WORK AREA

- Do not use the generator near flammable gases, liquids or dust. During operation of the generator, its exhaust system becomes very hot. This may cause fire or explosion of these materials.
- Keep your work area clean and well lit. Otherwise, clutter and poor lighting may cause injury.
- Keep unauthorized persons, children and animals away from the running generator. Provide safety fencing for the work area if necessary.

ELECTRICAL SAFETY

- The generator produces electricity that can cause electric shock in the event of failure to observe safety precautions.
- Avoid operating the generator in high-humidity environments. The generator must be kept in a dry place.
- Avoid direct contact with grounded surfaces (pipes, radiators, etc.).
- Protect the generator from moisture. Water inside the generator increases the risk of electric shock.
- Be careful when working with the power cord. Replace it immediately in case of damage, as damaged power cord increases the risk of electric shock.
- All generator connections to the mains supply must be carried out by a certified electrician in accordance with all electrical codes and regulations.
- Connect the electric generator to the protective ground before operation.

Do not connect/disconnect the generator to/from power consumers while standing in water, on wet or damp soil.

- Do not touch live parts of the generator.
- Only connect the generator to the power consumers that correspond to the electrical specifications and power rating of the generator.
- Keep all electrical equipment dry and clean. Replace damaged or worn wiring.

Worn, damaged, or rusted terminals must be replaced as well.

- Insulate any damaged wires and connections

PERSONAL SAFETY

-Safety first! Do not operate the generator when you are tired or under the influence of potent drugs, alcohol or medication. During operation, inattention can cause serious injury.

- Do not wear loose clothing or jewelry while operating the generator. Long hair, loose clothing as well as jewelry could get caught in the rotating parts of the generator and result in injury.
- Avoid inadvertent start-up. Make sure the power switch is set to OFF when turning off the generator.
- Make sure there are no foreign objects on the generator when it is turned on.
- Always keep proper footing and balance when starting the generator.
- Wear personal protective equipment. Always wear safety goggles, safety mask, non-slip soled shoes, and earplugs.
- Do not overload the generator, use it for its intended purpose only. Proper operation of the generator as intended allows better and safer performance.
- To prevent inhalation of exhaust gases, do not operate the generator under conditions of poor ventilation. Exhaust gases contain poisonous carbon monoxide.

OPERATING AND MAINTAINING THE GENERATOR

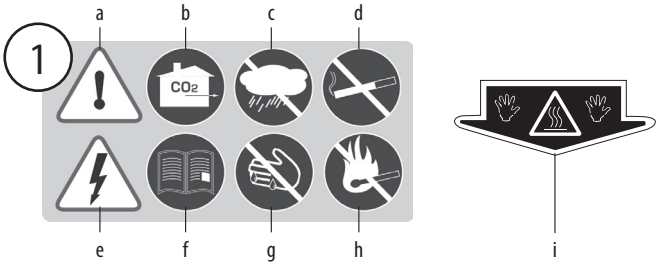
- Prior to checking the generator before operation, make sure it is placed on a flat, level surface and the engine switch is in the OFF position.
- Store the generator in a dry and well-ventilated area if not in use.
- Check the connection of moving parts, inspect for damaged parts that affect the operation of the generator. Before starting to use the generator, make sure that it is not damaged.
- Use only recommended oils and fuels for maintenance and repair purposes. The use of other oils, consumables and spare parts deprives you of the right to warranty service.
- Do not remove any tags and labels from the generator and engine as they contain important information.
- The generator must be maintained by trained and qualified personnel only.
- When maintaining the generator, follow all the instructions in this manual.

PLEASE NOTE!

Only unleaded gasoline is recommended for the generator. Do not use diesel or kerosene as fuel.

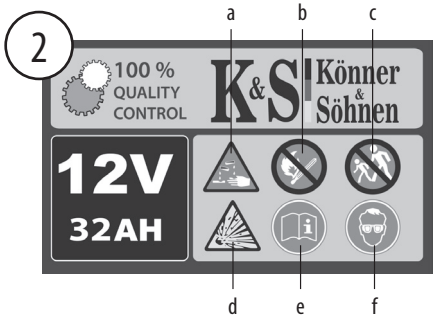
3. SAFETY SYMBOLS

DESCRIPTION OF SAFETY SYMBOLS WHEN OPERATING THE GENERATOR



a. Be careful when operating the device! Observe the safety instructions in this manual.
b. Operate the generator only in well-ventilated indoor spaces or outdoors. Exhaust gases contain CO2, whose vapors are life threatening.
c. Do not operate or store the device in high-humidity environments.
d. Do not smoke while operating the generator!
e. The device generates electricity.
Observe safety precautions to avoid electric shock.
f. Read this owner's manual carefully before operating the device.
g. Do not touch the generator with wet or dirty hands.
h. Observe fire safety regulations, do not operate the generator near open flame.
i. Do not touch! The generator dampener becomes hot during operation.

DESCRIPTION OF SAFETY SYMBOLS WHEN OPERATING THE



a. Wear protective rubber gloves when handling the battery. The battery contains a dangerous acid electrolyte. If electrolyte comes into contact with skin or face, rinse immediately with plenty of water and seek medical advice.
b. Do not operate the generator near open flame.
c. Keep children away from the generator work area.
d. Note! The battery releases explosive hydrogen while charging!
e. Read this owner's manual carefully before operating the device.
f. Wear safety goggles when operating the battery.

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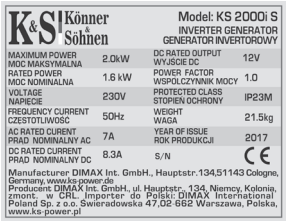
4. DESCRIPTION OF GENERATOR INSCRIPTIONS

APART FROM THE SAFETY SYMBOLS, THE GENERATOR CONTAINS THE FOLLOWING INSCRIPTIONS:



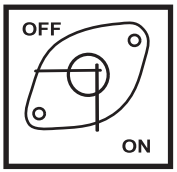
Specifications table.

Specifications vary with the model. For more information, see "Generator Specifications".

Noise level is indicated. The noise level varies with the model. For more information, see "Generator Specifications".

Indicates the direction of opening the air choke.

Designation of the fuel valve for different generator models.



The "ON" position means open and the "OFF" position means closed

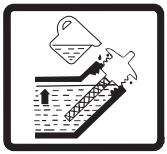
The "OPEN" position means open and the "CLOSE" position means closed

Fuel level indicator

The icon on the left indicates that the fuel tank is full. The icon on the right indicates that the fuel tank is empty.

Crankcase volume (varies from model to model)

Oil recommendations

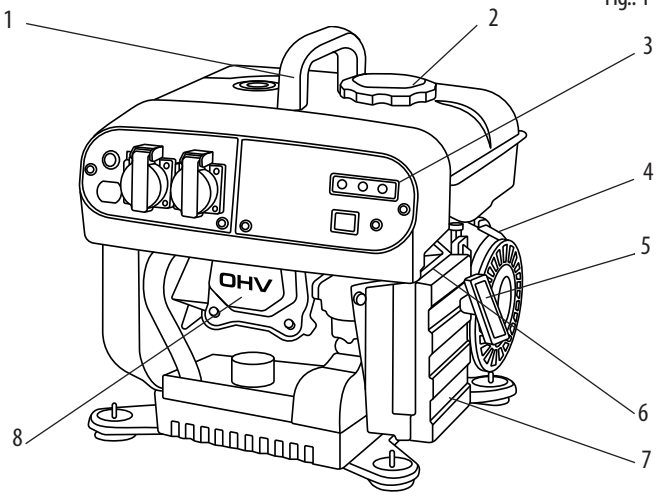


Indicates the required oil level in the crankcase

Grounding

5. OVERVIEW AND COMPONENTS OF INVERTER GENERATORS KS 1200i, KS 2100i

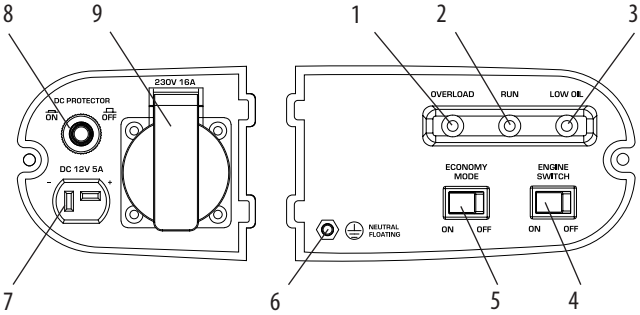
Fig.. 1



1. Carrying handle
2. Fuel tank cap
3. Control panel
4. Fuel valve
5. Manual starter
6. Air choke control knob
7. Air filter
8. Engine

KS 1200i CONTROL PANEL

Fig. 2



1. Overload indicator (red)
2. Voltage indicator (green)
3. Oil level indicator (yellow)
4. Engine start button (ON/OFF)
5. Economy control switch (ECON)
6. Ground terminal
7. 12V/5A DC outlet
8. 12V DC fuse
9. 1x16A AC outlet

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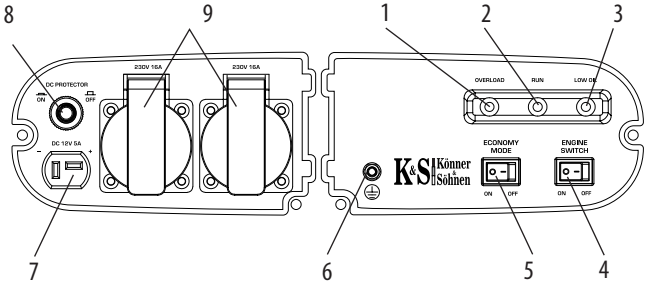
KS 2100i CONTROL PANEL

Fig. 3



1. Overload indicator (red)
2. Voltage indicator (green)
3. Oil level indicator (yellow)
4. Engine start button (ON/OFF)
5. Economy control switch (ECON)
6. Ground terminal
7. 12V/5A DC outlet
8. DC fuse
9. 2x16A AC outlets

PLEASE NOTE!

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

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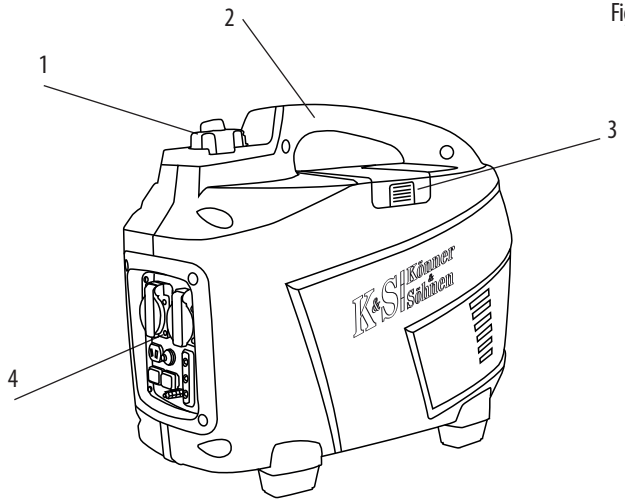
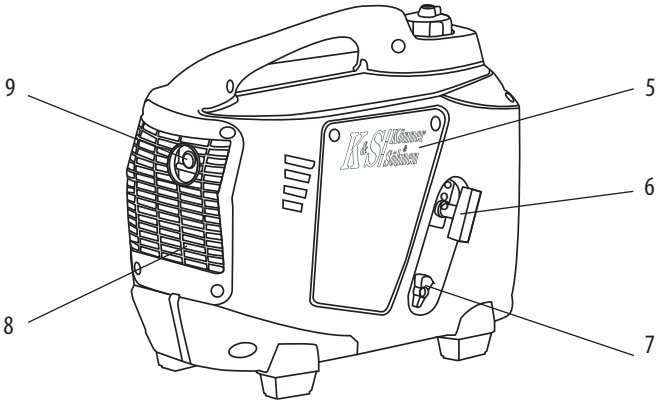
TRADITIONELLE DEUTSCHE QUALITÄT

6. OVERVIEW AND COMPONENTS OF INVERTER GENERATOR KS 2000i S

Fig. 4



1. Fuel tank cap
2. Carrying handle
3. Plug service cover
4. Control panel



5. Service cover
6. Manual starter
7. Fuel valve
8. Vent grid
9. Damper

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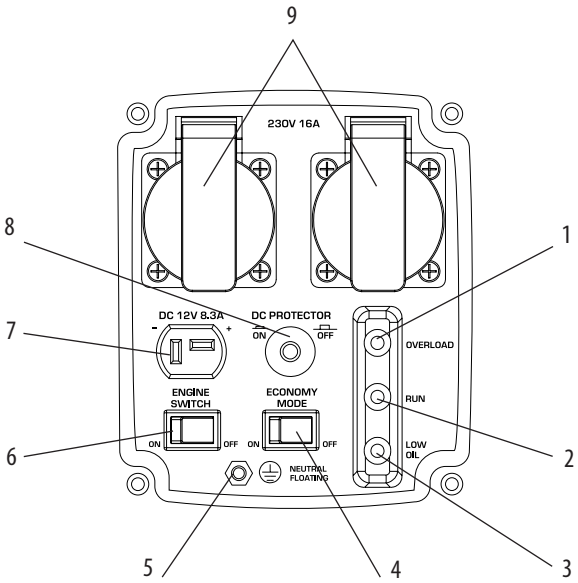
KS 2000i S CONTROL PANEL

Fig. 5



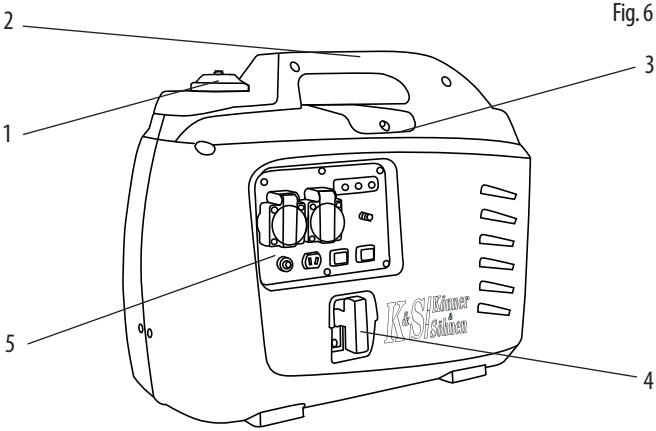
1. Overload indicator (red)
2. Voltage indicator (green)
3. Oil level indicator (yellow)
4. Economy control switch (ECON)
5. Ground terminal
6. Engine start button (ON/OFF)
7. 12V/8A DC outlet
8. 12V DC fuse
9. 2x16A AC outlets

PLEASE NOTE!

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

7. OVERVIEW AND COMPONENTS OF INVERTER GENERATORS KS 3300i S, KS 3300iEG S-Profi

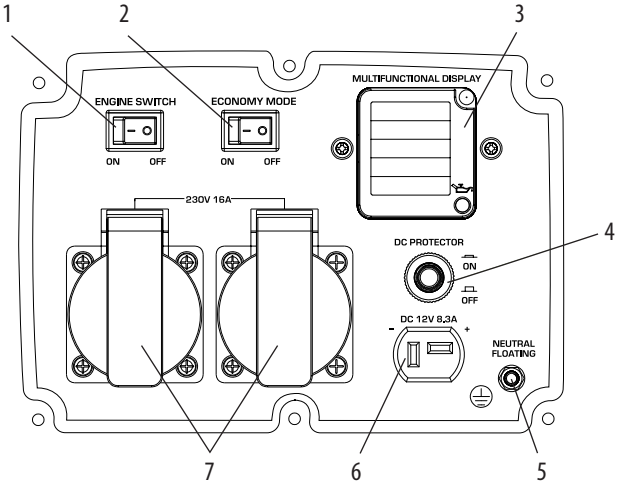
Fig. 6



1. Fuel tank cap
2. Carrying handle
3. Plug service cover
4. Manual starter
5. Control panel

KS 3300i S CONTROL PANEL

Fig.7



1. Engine start button (ON/OFF)
2. Economy control switch (ECON)
3. Multifunction display
4. 12V DC fuse
5. Ground terminal
6. 12V/8A DC outlet
7. 2x16A AC outlets

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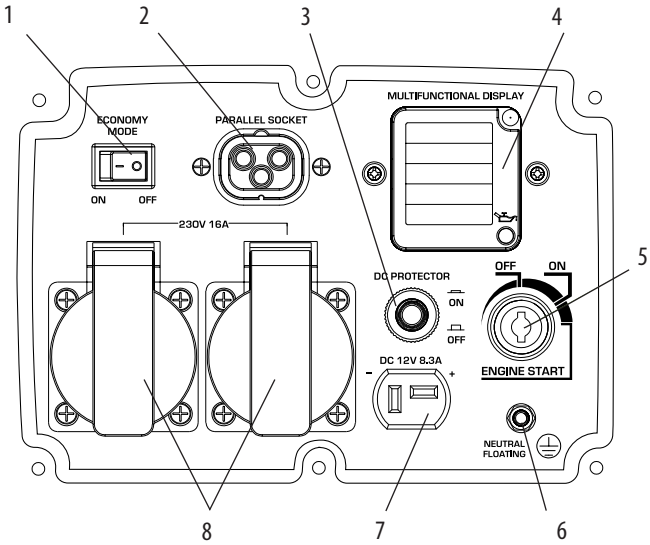
KS 3300iEG S-Profi CONTROL PANEL

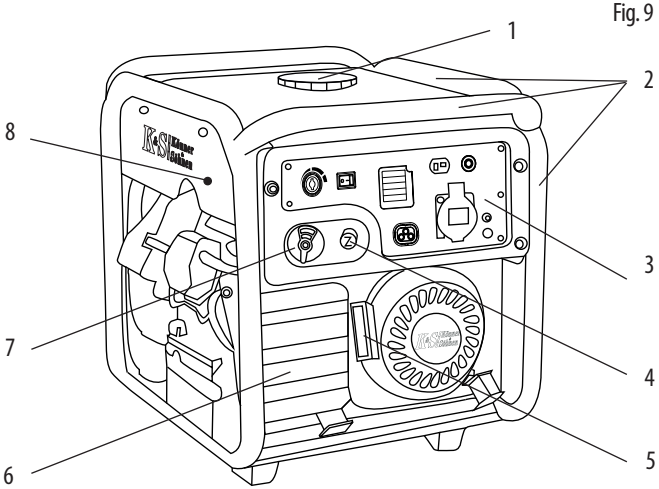
Fig. 8



1. Economy control switch (ECON)
2. Generator parallel socket
3. 12V DC fuse
4. Multifunction display
5. Start switch
6. Ground terminal
7. 12V/8A DC outlet
8. 2x16A AC outlets

8. OVERVIEW AND COMPONENTS OF INVERTER GENERATORS KS 3500i, KS 3500iE G-Profi

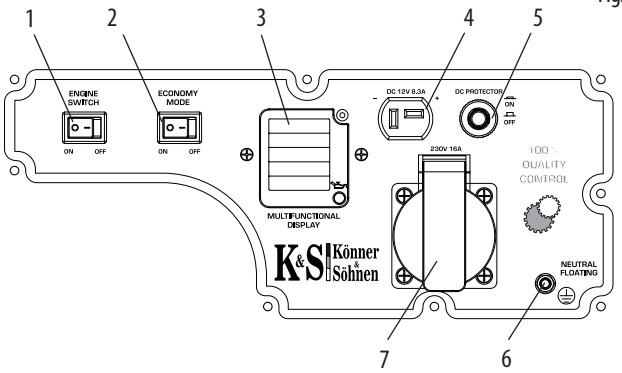
Fig. 9



1. Fuel tank cap
2. Reinforced frame
3. Control panel
4. Air choke control knob
5. Manual starter
6. Air filter
7. Fuel valve
8. Gas connection

KS 3500i CONTROL PANEL

Fig.10



1. Engine start button (ON/OFF)
2. Economy control switch (ECON)
3. Multifunction display
4. 12V/8A DC outlet
5. 12V DC fuse
6. Ground terminal
7. 1x16A AC outlet

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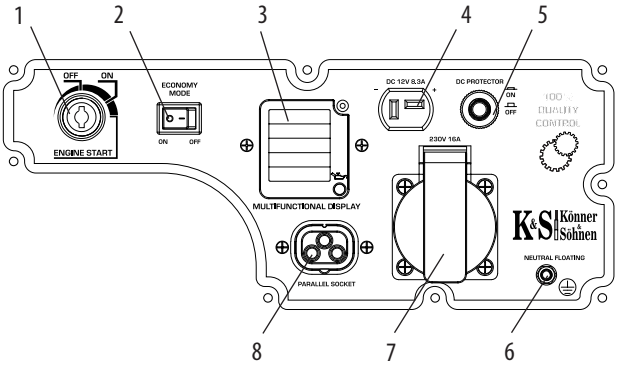
KS 3500iE G-Profi CONTROL PANEL

Fig. 11



1. Start switch
2. Economy control switch (ECON)
3. Multifunction display
4. 12V/8A DC outlet
5. 12V DC fuse
6. Ground terminal
7. 1x16A AC outlet
8. Generator parallel socket

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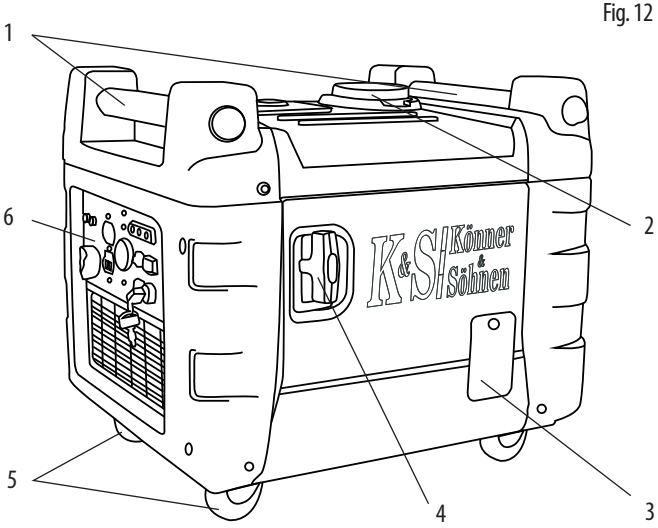
9. OVERVIEW AND COMPONENTS OF INVERTER GENERATORS KS 4000iE S, KS 4000iEG S-Profi

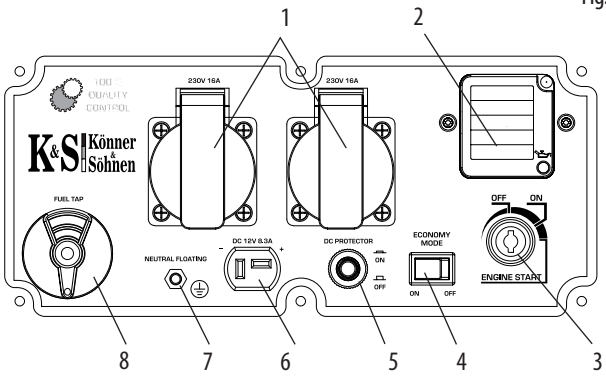
Fig. 12



1. Carrying handles
2. Fuel tank cap
3. Oil level cap
4. Manual starter
5. Casters
6. Control panel

KS 4000iE S CONTROL PANEL

Fig. 13

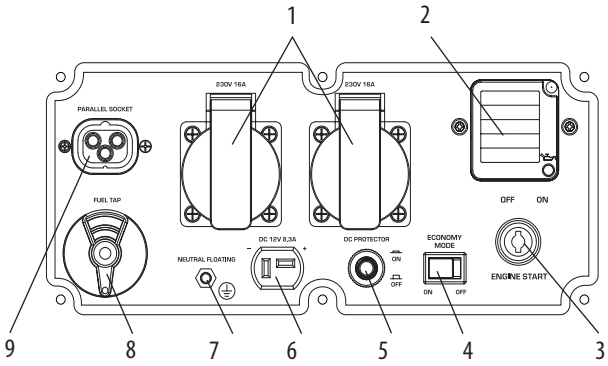


1. 2x16A AC outlets
2. Multifunction display
3. Start switch
4. Economy control switch (ECON)
5. 12V DC fuse
6. 2V/8A DC outlet
7. Ground terminal
8. Fuel valve

TRADITIONELLE DEUTSCHE QUALITÄT

KS 4000iEG S-Profi CONTROL PANEL

Fig.14



1. 2x16A AC outlets
2. Display
3. Start switch
4. Economy mode switch
5. 12V DC fuse
6. 12V/8A DC outlet
7. Ground terminal
8. Fuel valve
9. Generator parallel socket

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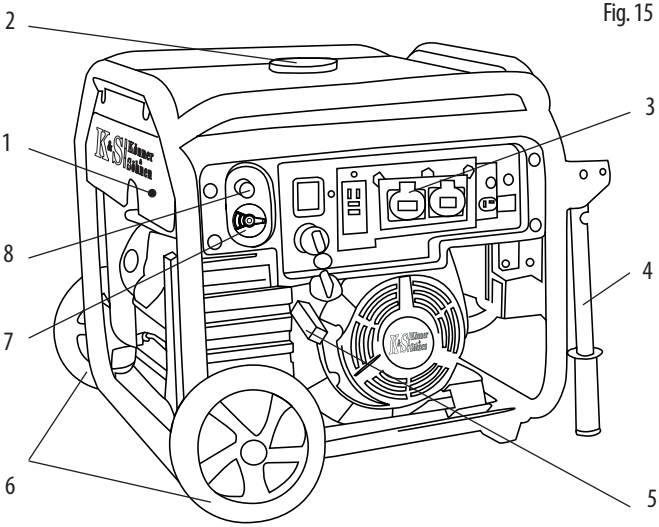
10. OVERVIEW AND COMPONENTS OF INVERTER GENERATOR KS 7100iE G-Profi

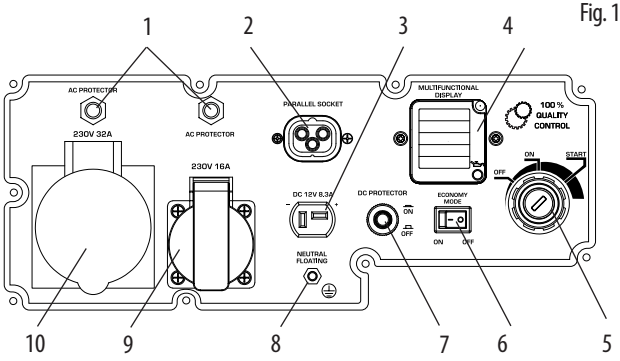
Fig. 15



1. Gas connection
2. Fuel tank cap
3. Control panel
4. Carrying handle
5. Manual starter
6. Casters
7. Fuel valve
8. Air choke

KS 7100iE G-Profi CONTROL PANEL

Fig. 16



1. 230V AC fuses
2. Generator parallel socket
3. 12V/8A DC outlet
4. Multifunction display
5. Start switch
6. Economy control switch (ECON)
7. 12V DC fuse
8. Ground terminal
9. 1x16A AC outlet
10. 1x32A DC outlet

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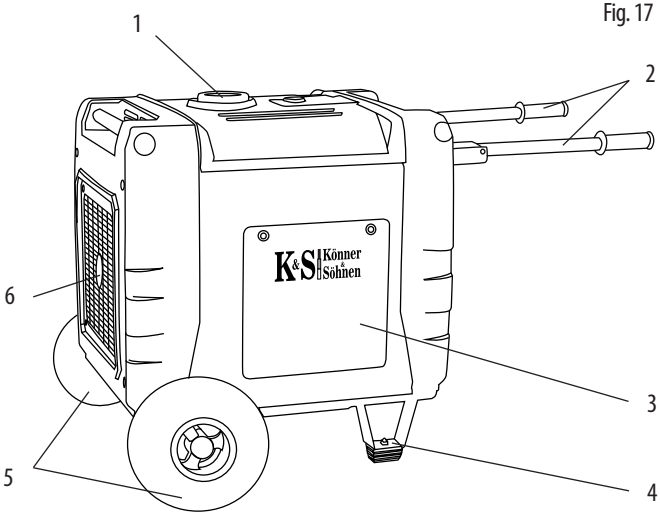
11. OVERVIEW AND COMPONENTS OF INVERTER GENERATOR KS 7200iEG S-Profi

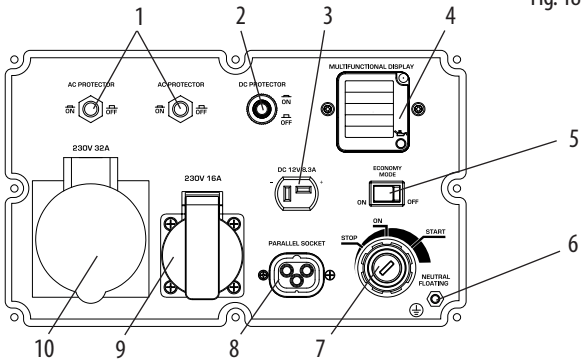
Fig. 17



1. Fuel tank cap
2. Carrying handle
3. Service cover
4. Support leg
5. Casters
6. Damper

KS 7200iEG S-Profi CONTROL PANEL

Fig. 18



1. 230V AC fuses
2. 12V DC fuse
3. 12V/8A DC outlet
4. Multifunction display
5. Economy control switch (ECON)
6. Ground terminal
7. Start switch
8. Generator parallel socket
9. 1x16A AC outlet
10. 1x32A DC outlet

12. INVERTER GENERATOR SPECIFICATIONS

Model	KS 1200i	KS 2100i
Voltage, V	230	230
Maximum power, kW	1.2	1.8
Nominal power, kW	1.0	1.6
Power factor, cos φ	1	1
Current, A (max.)	5.22	7.83
Frequency, Hz	50	50
Outlets	1x16A (230V)	2x16A (230V)
Engine start	Manual	Manual
Fuel tank volume, L	3.5	5.5
Operating time at 50% load, h	5.5	4.5
Noise level L_{PA} (7m)/L_{WA}, dB	67 / 92	68 / 93
LCD display	-	-
Output 12V, A	5.0	8.3
Engine model	KS 110i	KS 140i
Engine power, hp	2.0	3.26
Crankcase volume, cm^3	0.4	0.4
Engine volume, cm^3	87	119
Engine type	Gasoline powered one-cylinder, four-stroke air-cooled	
Power output controller	AVR	
Gas operation	-	-
Net dimensions (L*W*H), mm	310*310*380	375*340*405
Gross dimensions (L*W*H), mm	335*330*415	410*380*435
Battery, Ah	-	-
Net weight, kg	13	18
Protection class	IP23M	
Nominal voltage tolerance - max. 5%		

To ensure reliability and increase the engine service life, peak powers may be slightly limited by circuit breakers.

The optimal operating conditions are ambient temperature of 17-25°C, barometric pressure of 0.1 MPa (760 mm Hg), and relative humidity of 50-60%. Under these environmental conditions, the generator can provide maximum performance in terms of the declared specifications.

In the event of deviations from these environmental indicators, the generator performance may vary.

Please note that in order to preserve the long service life of the generator, continuous loads of more than 80% of the nominal power are not recommended.

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TSPECIFICATIONS OF INVERTER GENERATORS IN SOUNDPROOF HOUSING

Model	KS 2000i S	KS 3300i S	KS 3300iEG S-Profi
Voltage, V	230	230	230
Maximum power, kW	2,0	3,3	3,3
Nominal power, kW	1,7	3,1	3,1
Power factor, cos φ	1	1	1
Current, A (max.)	8,70	14,35	14,35
Frequency, Hz	50	50	50
Outlets	2x16A (230 V)	2x16A (230 V)	2x16A (230 V)
Turbo	-	-	+
Generator parallel socket	-	-	+
Engine start	Manual	Manual	Manual/Electric
Fuel tank volume, L	4,0	7,0	7,0
Operating time at 50% load, h	5,0	5,0	5,0
LCD display	-	+	+
Noise level L_{PA} (7m)/L_{WA}, dB	58 / 83	58 / 83	58 / 83
Output 12V, A	8,3	8,3	8,3
Engine model	KS 125i	KS 170i	KS 170i
Engine power, hp	3,26	6,16	6,16
Crankcase volume, cm^3	0,35	0,45	0,45
Engine volume, cm^3	105	149	149
Engine type	Gasoline powered one-cylinder, four-stroke air-cooled		LPG/gasoline powered one-cylinder, four-stroke air-cooled
Power output controller	AVR		
Gas operation	-	-	+
Net dimensions (L*W*H), mm	550*290*460	580*305*490	580*305*490
Gross dimensions (L*W*H), mm	615*356*500	600*335*515	600*335*515
Battery, Ah	-	-	5,0
Net weight, kg	22	33	33
Protection class	IP23M		
Nominal voltage tolerance - max. 5%			

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INVERTER GENERATOR SPECIFICATIONS

Model	KS 3500i	KS 3500iE G-Profi	KS 7100iE G-Profi
Voltage, V	230	230	230
Maximum power, kW	3,3	3,5	7,0*
Nominal power, kW	3,0	3,0	6,3*
Power factor, cos φ	1	1	1
Current, A (max.)	14,35	15,22	30,43
Frequency, Hz	50	50	50
Outlets	1x16A (230 V)	1x16A (230 V)	1x16A (230 V) 1x32A (230 V)
Turbo	-	+	+
Generator parallel socket	-	+	+
Engine start	Manual	Manual/Electric	Manual/Electric
Fuel tank volume, L	8,0	8,0	18,0
Operating time at 50% load, h	4,0	4,0	5,0
LCD display	+	+	+
Noise level L_{PA} (7m)/L_{WA}, dB	69 / 94	69 / 94	69 / 94
Output 12V, A	8,3	8,3	8,3
Engine model	KS 230i	KS 230i	KS 430i
Engine power, hp	5,9	5,9	11,5
Crankcase volume, cm^3	0,45	0,45	1,1
Engine volume, cm^3	207	207	406
Engine type	Gasoline powered one-cylinder, four-stroke air-cooled	LPG/gasoline powered one-cylinder, four-stroke air-cooled	
Power output controller	AVR		
Gas operation	-	+	+
Net dimensions (L*W*H), mm	470*395*450	470*395*450	635*635*555
Gross dimensions (L*W*H), mm	525*455*510	525*455*510	680*680*620
Battery, Ah	-	6,5	9,0
Net weight, kg	34	34	65
Protection class	IP23M		
Nominal voltage tolerance - max. 5%			

* The power is limited by the electronic unit to 5.9/6.3 kW to ensure the safety of the engine and the electronic conversion unit.

SPECIFICATIONS OF INVERTER GENERATORS IN SOUNDPROOF HOUSING

Model	KS 4000iE S	KS 4000iEG S-Profi	KS 7200iEG S-Profi
Voltage, V	230	230	230
Maximum power, kW	4.0	4.0	7.0*
Nominal power, kW	3.6	3.6	6.3*
Power factor, cos φ	1	1	1
Current, A (max.)	17.39	17.39	30.43
Frequency, Hz	50	50	50
Outlets	2x16A (230 V)	2x16A (230 V)	1x16A (230 V) 1x32A (230 V)
Turbo	-	+	+
Generator parallel socket	-	+	+
Engine start	Manual/Electric	Manual/Electric	Electric
Fuel tank volume, L	13.0	13.0	22.0
Operating time at 50% load, h	7.0	7.0	8.0
LCD display	+	+	+
Noise level L_{PA} (7m)/L_{WA}, dB	58 / 83	58 / 83	58 / 83
Output 12V, A	8.3	8.3	8.3
Engine model	KS 290i	KS 290i	KS 430i
Engine power, hp	6.7	6.7	11.5
Crankcase volume, cm^3	1.0	1.0	1.1
Engine volume, cm^3	270	270	406
Engine type	Gasoline powered one-cylinder, four-stroke air-cooled	LPG/Gasoline powered one-cylinder, four-stroke air-cooled	
Power output controller	AVR		
Gas operation	-	+	+
Net dimensions (L*W*H), mm	600*455*510	600*455*510	785*700*725
Gross dimensions (L*W*H), mm	635*488*563	635*488*563	840*756*875
Battery, Ah	9.0	9.0	12.0
Net weight, kg	58	58	95
Protection class	IP23M		
Nominal voltage tolerance - max. 5%			

* The power is limited by the electronic unit to 5.9/6.3 kW to ensure the safety of the engine and the electronic conversion unit.

13. FUNCTIONAL DESCRIPTION OF INVERTER GENERATORS

PARALLEL FUNCTION

The total output power of the generators can be increased by connecting two inverter generators together using the Parallel Unit.
Parallel connection of two identical generator models ensures double nominal output power of these models.
When connecting generators of different capacities using the Parallel function, the output power is two times the nominal power of the generator with lesser capacity.
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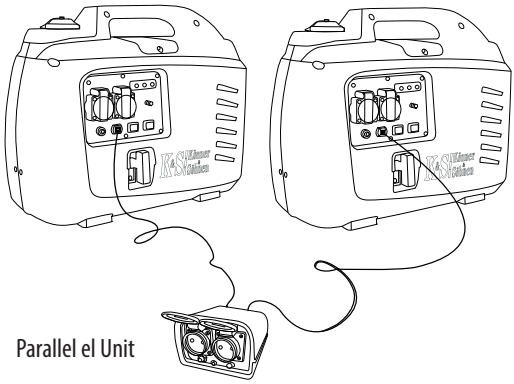
Parallel connection of two identical generator models ensures double nominal output power of these models.
When connecting generators of different capacities using the Parallel function, the output power is two times the nominal power of the generator with lesser capacity.

Fig. 19



Parallel el Unit

ECON FUNCTION ECON FUNCTION

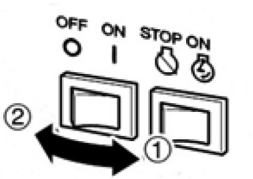
1. Start the engine.
2. Set the ECON switch to "ON".
3. Plug the device into an AC outlet.
4. Make sure the AC indicator light is on.
5. Turn on the electrical device.

PLEASE NOTE!

The ECON switch must be set to "OFF" to increase engine speed to nominal. When connecting multiple power consumers to the generator, be sure to first connect the one with the highest starting current, and the device with the lowest starting current should be connected last.

"ON" MODE

Fig. 20



When the ECON switch is in the "ON" position, the control unit monitors the engine speed, reducing it commensurate with the connected load. If the engine speed is not enough to generate electricity to provide the load, the control unit will automatically increase the engine speed.
As a result, fuel consumption is optimized and noise levels are reduced.

"OFF" MODE

The ECON switch must be set back to "OFF" when using electrical devices requiring a high starting current, such as a compressor or submersible pump.

PLEASE NOTE!

The ECON switch must be set back to "OFF" when using electrical devices requiring a high starting current, such as a compressor or submersible pump.

TURBO FUNCTION

Generator models KS 3300iEG S-Profi, KS 3500iE G-Profi, KS 4000iEG S-Profi, KS 7100iE G-Profi, KS 7200iEG S-Profi feature a TURBO mode, which allows to start up power consumers that require more starting power, than the generator can produce in normal operation.
Use the ECONOMY MODE switch to change the operating mode of the generator from "TURBO" to "ECON" and vice versa.

When the ECONOMY MODE switch is set to "OFF", the TURBO function is turned on for 60 seconds to enable equipment that requires more power to start up.
After 60 seconds, the TURBO function will turn off and the generator will automatically return to normal operation. In the TURBO mode, the generator power increases by 20%.
To enable the ECON mode, set the ECONOMY MODE switch to "ON".
Generator models KS 3300iEG S-Profi, KS 3500iE G-Profi, KS 4000iEG S-Profi, KS 7100iE G-Profi, KS 7200iEG S-Profi feature a TURBO mode, which allows to start up power consumers that require more starting power, than the generator can produce in normal operation.
Use the ECONOMY MODE switch to change the operating mode of the generator from "TURBO" to "ECON" and vice versa.
When the ECONOMY MODE switch is set to "OFF", the TURBO function is turned on for 60 seconds to enable equipment that requires more power to start up.
After 60 seconds, the TURBO function will turn off and the generator will automatically return to normal operation. In the TURBO mode, the generator power increases by 20%. To enable the ECON mode, set the ECONOMY MODE switch to "ON".

PLEASE NOTE!

It is advisable to enable the TURBO mode only after warming up the generator for 1-2 minutes.

Do not abuse the TURBO mode!
This may adversely affect the engine operation.

LCD DISPLAY

Generator models KS 3300i S, KS 3500i, KS 4000iE S, KS 3300iEG S-Profi, KS 3500iE G-Profi, KS 4000iEG S-Profi, KS 7100iE G-Profi, KS 7200iEG S-Profi have control panel equipped with a LCD display.

Once the generator has started, the LCD display will light up. Once you have connected the power consumer, the LCD display will display the following indicators:

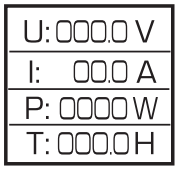
Fig. 21

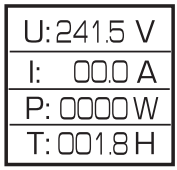
U - voltage, V

I - current, A

P - load, W

T - operating time, h





14. TERMS OF USE OF INVERTER GENERATOR

It is recommended to ground the generator before operating it for the first time. Before starting the device, remember that the total power of the connected power consumers should not exceed the nominal power of the generator.

TYPES OF POWER CONSUMERS AND START-UP CURRENT

There are two types of power consumers (electrical devices connected to the generator): active and reactive. Active power consumers include all power consumers whose power input is converted into heat (heaters).

Reactive power consumers include all power consumers equipped with an electric motor. When starting the engine, start-up current occur briefly, the magnitude of which is based on the engine design and purpose. The magnitude of occurring start-up currents should be considered when selecting a generator.

Most electric tools have a start-up current ratio of 2-3. This means that the operation of such appliances requires a generator, the power of which is 2-3 times the power of the connected power consumer. Power consumers such as compressors, pumps, washing machines have the highest start-up current ratio.

PLEASE NOTE!

To avoid electric shock due to poor-quality electrical appliances or improper use of electricity, the generator must be earthed using a high-quality insulated conductor.

PLEASE NOTE!

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.

15. GENERATOR OPERATION

ENGINE SWITCH

To start the engine, turn the engine switch to the "ON" position. To turn off the engine, turn the engine switch to the "OFF" position.

OIL LEVEL INDICATOR

When the oil level falls below the level required for operation, the oil level indicator lights up, and then the engine stops automatically. The engine will not start until oil is added.

PLEASE NOTE!

Useful tip: If the engine stalls or does not start, turn the engine switch to the "ON" position, and then pull the manual starter. If the oil level indicator flickers for several seconds, add oil and restart the engine.

ISS-Systems

With more than 10 years of experience, TM Könner & Söhnen constantly upgrades and implements the latest technologies in its products, thereby offering demanding customers more efficient, improved systems and devices.

The experience gained over the years has been reflected in the new line of inverter generators.

Inverter generators KS 3300i S, KS 4000iE S, KS 3300iEG S-Profi, KS 3500iE G-Profi, KS 4000iEG S-Profi, KS 7100iE G-Profi, KS 7200iEG S-Profi are equipped with Intelligent Start System (ISS). This system facilitates start of the generator engine in the gasoline mode.

THE OPERATING PRINCIPLE OF THE ISS SYSTEM IS AS FOLLOWS:

When you start the generator by turning the key, the ISS system bypasses the carburetor and triggers the post combustion fuel injection, thereby enriching the fuel at startup.

When starting the generator for the first time (when the entire system is completely empty), be sure to close the air choke so that the system can pump fuel faster.

During any subsequent startups, there is no need to use the air choke.

The ISS system will quickly start the engine without much effort.

Advanced inverter generators are reliable, practical and provide high quality electricity.

OVERLOAD INDICATOR

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. Reduce the total power of the connected devices until the nominal power of the generator is reached.
3. Check if the vent grid is clogged. Remove excess dirt or debris, if any.
4. After checking, start the engine.

PLEASE NOTE!

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.

AC INDICATOR

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

DC FUSE

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 fuse again by pressing the "ON" button.

 **PLEASE NOTE!** 

If the DC fuse turns off, reduce the load of the connected electrical device. If the DC protector turns off again, stop operation and contact your nearest Könner & Söhnen service center.

FUEL TANK CAP

Remove the fuel tank cap by turning it counterclockwise.

FUEL TANK CAP

The fuel tank cap (2) is equipped with an air choke control knob (1) for venting and stopping the fuel supply. The air choke control knob must be returned to the "ON" position. This will allow fuel to enter the carburetor and engine to start. When the generator is not in use, turn the air choke control knob to the "OFF" position to stop the fuel supply.

GROUND TERMINAL

The ground terminal forms a ground line to prevent electric shock. If the electrical appliance is grounded, the generator must also be grounded.

16. CHECK BEFORE GETTING STARTED

CHECKING THE FUEL LEVEL

1. Unscrew the fuel cap and check the fuel level in the tank.
2. Fill the fuel tank to the fuel filter level.
3. Tighten the fuel cap securely.
4. For closed models, open the air intake valve on the fuel tank cap.

 **PLEASE NOTE!** 

Wipe up spilled fuel immediately with a clean, dry, soft cloth, as the fuel may harm painted surfaces or plastic parts. **Only unleaded gasoline is recommended for the generator.** Using leaded gasoline can cause serious damage to the inside of the engine.

Recommended fuel: unleaded gasoline.
Fuel tank volume: see specifications table.

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. Unscrew the oil dipstick and wipe it out with a clean cloth.
2. Insert the dipstick without screwing it in.
3. Check the oil level by a mark on the oil dipstick.
4. Add oil if its level is below the mark on the oil dipstick.
5. Screw on the dipstick.

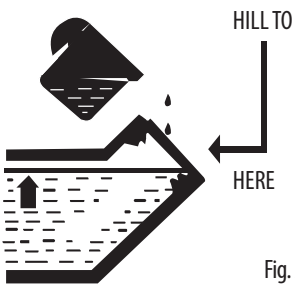


Fig. 23

Recommended motor oil: SAE 10W30, SAE 10W40.
Recommended motor oil grade: API Service SG type or higher.
Motor oil quantity: see specifications table.

17. GETTING STARTED

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

Do not tilt the generator while adding oil to the engine. This can lead to overfilling and damage to the engine. The generator can only be used with nominal output under standard atmospheric conditions.

Standard atmospheric conditions
Operating temperature: -5°C to +30 °C
Barometric pressure: 100 kPa
Relative humidity: up to 70%

The generator output varies depending on changes in temperature, altitude (lower air pressure at a higher altitude) and increased humidity. In addition, the load should be reduced when the generator is used in a confined space, since its cooling performance decreases.

PLEASE NOTE!

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

WARNING - DANGER!

In the power supply mode, the generator should operate no longer than 1 minute in the range from nominal to maximum power.

COMMISSIONING

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 commissioning, 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.

 **PLEASE NOTE!** 

Before starting to use the generator, connect the ground wire to the ground terminal.

 **PLEASE NOTE!** 

Before using the ground terminal, it is necessary to consult a specialist.

ENGINE START

- Do not connect any power consumers to the generator before you start the engine.
- Turn the ECON switch to the "OFF" position.
- Turn the air choke control knob to the "CLOSE" position.
- Turn the fuel valve handle to the "ON" position (OPEN).
- Set the engine switch to "ON".
- 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.
- When starting the generator, hold the generator by the carrying handle to prevent the generator from falling.
- Slowly turn the air choke control knob to the "OPEN" position and then warm up the engine for 1-2 minutes.
- If the engine does not start, check the oil level.
- Before turning on the connected device, check that the ECON switch is in the "OFF" position.

 **PLEASE NOTE!** 

Useful tip: to ensure long-term operation of the generator engine, it is important to observe the following tips:

- Before connecting the load, allow the engine to run for 1-2 minutes to warm it up.
- When disconnecting the load after lengthy operation, do not turn off the generator. Allow the generator to run idle for 1-2 minutes so that it cools down.

WARNING - DANGER!

Do not connect two or more devices at a time. The start-up of many devices requires high power. Devices should be connected one at a time according to their power rating. Do not connect any power consumers within the first 2 minutes after the generator has been started.

Before connecting any devices to the generator, make sure that they are in good working order. If the connected device suddenly stopped or failed, immediately de-energize the device using the emergency switch, disconnect the device and check it out.

GAS OPERATION

1. Place the generator in a well-ventilated place, protected from direct sunlight and high temperature (more than 35°C).
2. Make sure the tank is filled with gas (when using gas).
3. Check the oil level.
4. Move the fuel valve to the "OFF" position.
5. Connect the pressure relief valve to the LPG cylinder.
6. Connect the hose to the LPG inlet on the generator.
7. Open the cylinder (cut-off valves).
8. Check for gas leakage.
9. Set the air choke to the "CLOSE" position.
10. To use the gas generator, it is necessary to remove air from the gas hose.
To do this, pull the manual starter several times and turn the engine over or press the LPG valve to remove air for 5-10 seconds.
11. Turn the start key to the "ON" position and start the engine using the manual starter handle (when starting manually).
12. Turn the electric start key to the "START" position for 1-3 seconds before starting the generator.
13. Slowly turn the air choke to the "OPEN" position.
14. Allow the generator to run idle for 2 minutes.
15. Connect the necessary devices to the generator sockets.

When switching fuel from gasoline to LPG, before stopping the generator when operating on gasoline be sure to close the gasoline supply valve and allow the generator to stop independently.
Failure to do so may cause instable running of the gas generator for the first two minutes or so.

DISCONNECT ALL DEVICES BEFORE STOPPING THE GENERATOR!

Do not stop the generator if it has any devices connected to it. This may disable the generator or devices connected to it!

 **PLEASE NOTE!** 

Use care when the generator is running!
You can use the generator if the voltmeter indicates a value of 230V ±10% (50 Hz).

TO STOP THE ENGINE, PROCEED AS FOLLOWS:

1. Disconnect all devices connected to the generator, then disable the ECON mode.
2. Allow the generator to operate at idle for 3 minutes for the alternator to cool down.
3. Set the engine switch to OFF.
4. Turn the fuel valve to the "OFF" position.

AC OPERATION

Before connecting any devices to the generator, make sure that they are turned off.

- Before turning on the generator, make sure that all electrical devices, including wires and plugs, are in good condition.
- After starting the generator, make sure that the voltage indicator (green) goes on.
- The overload indicator (red) lights up when the connected device is short circuited or the generated is overloaded (more than 100 W).
- If the oil level is insufficient, the low oil level indicator (yellow) goes on and the generator stops automatically. If the engine stops or the low oil level indicator goes on when pulling out the manual starter, check the oil level and top up if necessary.
- Plug the device's power cord into an AC outlet, turn on the AC fuse, and turn on the device.

 **PLEASE NOTE!** 

Make sure the generator is grounded.
If the electrical appliance is grounded, the generator must also be grounded.

CHARGING AN EXTERNAL 12 V BATTERY

Plug the battery into the generator's 12V outlet. Turn on the engine, then connect the generator to the battery to charge. Before you start charging the battery, make sure that the 12V DC fuse is turned on.

1. Start the engine.
2. Connect the red wire to the DC outlet to the plus (+) terminal of the battery.
3. Connect the black wire to the DC outlet to the minus (-) terminal of the battery.
4. To start charging the battery, set ECON to "OFF".

PLEASE NOTE!

- Make sure the ECON mode is off while the battery is being charged.
- Be sure to connect the charger's red wire to the plus (+) terminal of the battery and the black wire to the minus (-) terminal of the battery. Do not swap the terminals.
- Connect the charger to the battery terminals securely so that they are not disconnected due to motor vibrations or other actions.
- To charge the battery properly, follow the instructions in the battery manual.
- The DC protector turns off automatically if the current is higher than the rated current while the battery is being charged. To restore battery charging, turn on the DC fuse by pressing the "ON" button.

If the DC protector turns off again, stop charging the battery because the charging current is too high. Do not charge batteries if their current consumption is more than 5-8A (depending on the generator model).

PLEASE NOTE!

Follow the instructions in the battery manual to determine when the charging is complete.
Measure the electrolyte density to determine if the battery is fully charged. When the battery is fully charged, the electrolyte density ranges between 1.26 and 1.28. It is advisable to check the electrolyte density at least once per hour to avoid overcharging the battery

WARNING - DANGER!

Never smoke or interrupt battery connections to the generator while the battery is being charged. Sparks can cause battery gas to ignite. Battery electrolyte is poisonous and dangerous and causes severe burns, as well as contains sulfuric acid.
Avoid contact with skin, eyes and clothing.

In case of electrolyte leakage:

SKIN CONTACT: flush the affected area immediately with plenty of water.
SWALLOWING: drink plenty of water or milk. Drink a manganese solution, beaten egg or vegetable oil. Seek medical advice immediately.
EYE CONTACT: rinse with water for at least 15 minutes and immediately seek medical assistance.

Batteries emit explosive gases. Do not use the battery near flames, cigarettes, sparks, etc. Ventilate the room when charging or using the battery it in a confined space. Always wear eye protection when handling batteries.

18. MAINTENANCE

Maintenance work listed in section "Maintenance" should be performed on a regular basis. If you cannot perform maintenance work on your own, please contact the authorized service center to request the required maintenance work.

PLEASE NOTE!

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

SUCH DAMAGE ALSO INCLUDES:

- Damage resulting from the use of non-original spare parts;
- Corrosive damage and other effects of improper storage of equipment;
- Damage caused by maintenance work performed by unskilled technicians.

You can find the list of addresses in your warranty card.

OBSERVE THE INSTRUCTIONS IN THIS MANUAL!

The generator must be maintained, operated and stored in accordance with the instructions in this manual. The manufacturer shall not be liable for damage and loss caused by failure to comply with safety and maintenance regulations.

THIS PRIMARILY APPLIES TO THE:

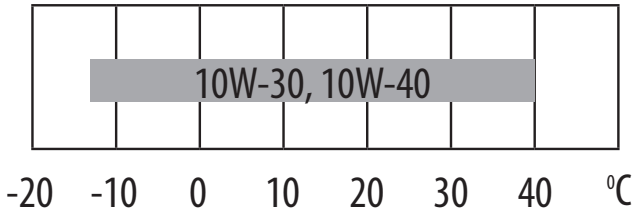
- Use of lubricants, fuels and motor oils not authorized by the manufacturer;
- Tampering with the product design;
- Misuse of equipment;
- Indirect losses caused by operation of the product with defective parts.

19. RECOMMENDED OILS

Motor oil significantly affects the engine performance and is the main factor that determines its service life. Use oil intended for four-stroke engines, as it contains detergent additives that meet or exceed the SG standards according to the APE classification (or equivalent).

Generally, it is recommended to use oil with a viscosity of SAE10W-30, SAE10W-40. Motor oils with a different grade shown in the table can be used only if the average air temperature in your area does not fall outside the specified temperature range. SAE oil viscosity or oil service category are indicated on the APE tank label.

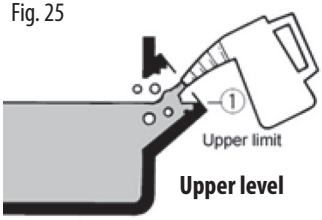
Fig. 24



REPLACING OR ADDING MOTOR OIL

If the oil level drops, fresh oil must be added to ensure proper operation of the generator. Check the oil level according to the maintenance schedule.

Fig. 25



Upper level

WARNING - DANGER!

To avoid burns, handle the oil carefully because it is still very hot even after stopping the engine. To avoid burns, handle the oil carefully because it is still very hot even after stopping the engine.

TO DRAIN OIL, PROCEED AS FOLLOWS:

1. Place the generator on a flat surface and warm up the engine for several minutes. Stop the engine and turn the fuel tank cap to the "OFF" position (for closed models).
2. Loosen the screws and remove the motor cover.
3. Place an oil drain tray under the engine.
4. Unscrew the oil drain cap with a hexagon key.
5. Wait for the oil to drain. Tilt the generator for a better result.
6. Screw in the oil drain cap.
7. Add motor oil to a high leve**l.**

PLEASE NOTE!

Do not tilt the generator while adding oil to the engine. This can lead to overfilling and damage to the engine.

1. Wipe the oil drain cap with a clean, dry cloth and wipe off any oil spills, if any. Make sure that no dirt, dust, etc. are caught in the crankcase.
2. Replace the oil filler cap.
3. Replace the vent cover and tighten the screws.

Recommended motor oils: SAE10W-30, SAE10W-40.
Recommended motor oil grade: API Service SG type or higher.
Motor oil quantity: see specifications table.

Fig. 26

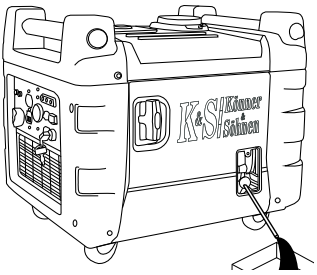
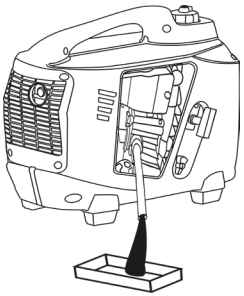


Fig. 27



20. RECOMMENDED MAINTENANCE SCHEDULE

Unit	Action	First month or 20 operating hours	At each start	Every 3 months or 50 operating hours	Every 6 months or 100 operating hours	Every year or 300 operating hours
Motor oil	Level check		V			
	Replacement	V		V		
Air filter	Check	V		V		
	Cleaning				V	
Spark plug	Cleaning	V		V		
	Replacement				V	
Fuel tank	Level check		V			
	Cleaning					V
Fuel filter	Replacement				V	

- 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.

WARNING - DANGER

Stop the engine before performing any maintenance work. Place the generator on a flat surface and remove the spark plug cap to prevent the engine from starting. Do not start the engine in an enclosed or poorly ventilated area. The work area must be well ventilated. Engine exhaust contains poisonous carbon monoxide which, if inhaled, can cause shock, loss of consciousness, and even death.

21. AIR FILTER MAINTENANCE

Air filter should be checked for contamination from time to time. Regular maintenance of the air filter is necessary to maintain sufficient air flow in the carburetor and reduce fuel consumption.

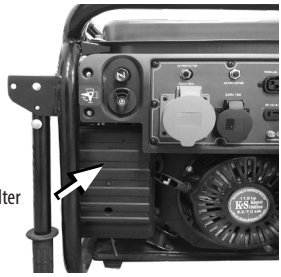
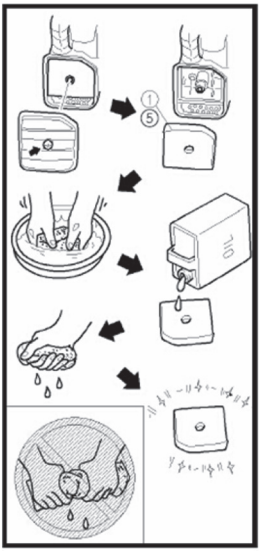


Fig. 28

CLEANING THE FILTER:

1. Open the clips on the top cover of the air filter.
2. Remove the sponge filter element.
3. Remove all dirt inside the empty air filter housing.
4. Clean the filter element thoroughly in warm soapy water.
5. Dry the sponge filter.
6. Soak a dry filter element in motor oil, then squeeze out excess oil.



PLEASE NOTE!

The air filter must be replaced every 50 hours of operation of the generator (in conditions of increased pollution every 10 hours).

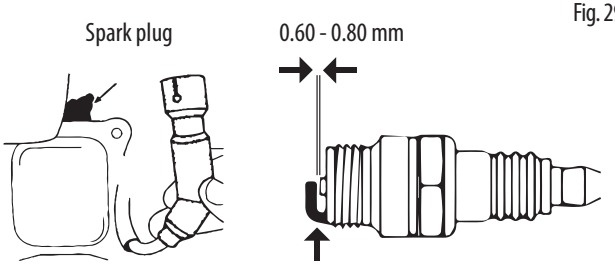
22. SPARK PLUGS MAINTENANCE

A spark plug is an important element that ensures proper engine operation. It must be intact, properly gapped and free of deposits.

INSPECTING THE SPARK PLUG:

1. Remove the spark plug cap.
2. Unscrew the spark plug with the appropriate wrench.
3. Visually inspect the spark plug. Remove scale if the color of the plug has changed. The porcelain insulator around the center electrode of the spark plug should be medium or light beige. If the spark plug is damaged, it must be replaced. .
4. Screw in the spark plug back with the dedicated spark plug wrench.
5. Replace the spark plug cap.

Fig. 29

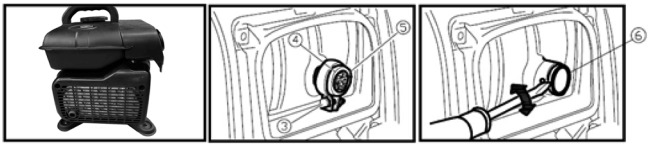


23. DAMPER AND FLAME ARRESTER MAINTENANCE

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.

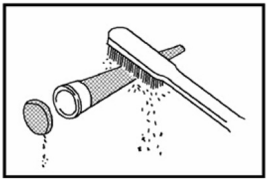
1. Remove the screws and then pull the protective cover towards you.

Fig. 30



2. Loosen the bolts and remove the cover, screen and flame arrester of the damper.
3. Descale the screen and flame arrester of the damper with a wire brush.
4. Inspect the screen and flame arrester of the damper. Replace them if they are damaged.
5. Replace the flame arrester.
6. Replace the screen and cover of the damper.
7. Replace the cover and tighten the screws.

Fig. 31



PLEASE NOTE!

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

24. FUEL FILTER

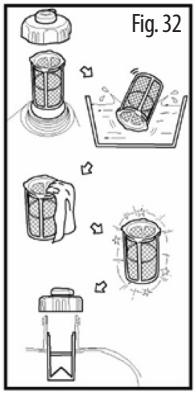


Fig. 32

PLEASE NOTE!

Never use gasoline while smoking or in the immediate vicinity of an open flame.

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

Make sure that the fuel tank cap is tight.

25. GENERATOR STORAGE

The generator must be stored in a dry, well-ventilated area that is free from dust. Keep away from children and animals.

PLEASE NOTE!

The generator must always be ready for use. Any malfunctions in the generator must be repaired before placing the generator in storage.

GENERATOR LONG-TERM STORAGE

If the generator will not be used for a long time, it is recommended to:

- Drain the fuel into the tank.
- Drain the motor oil.
- Pull the manual starter until a slight resistance is felt so that the inlet and drain valves get closed.

Clean the generator from dirt and dust.

When starting the generator after long-term storage, proceed as above in the reverse order.

26. GENERATOR TRANSPORTATION

For convenient transportation of the generator, use the original packaging of the generator. Secure the generator packaging to prevent the generator from tipping over during transportation. Before transporting the generator, drain the fuel and disconnect the battery terminals, if any.

To lift or handle the generator with an open frame on site, grasp the generator by the frame; to lift or handle the generator in soundproof housing, use the dedicated carrying handles. Move carefully, do not put your feet underneath the generator.

27. GENERATOR AND BATTERY DISPOSAL

To prevent damage to the environment, do not dispose of the generator and battery in normal household waste. Dispose of the generator and battery in the safest way by handing them over to dedicated waste collection points.

28. TROUBLESHOOTING

Fault	Probable cause	Remedy
Engine will not start	Engine switch set to OFF	Set the engine switch to ON
	Fuel tank is empty	Add fuel
	Engine contains dirty or old fuel	Replace fuel in the engine
	Low oil level	Add fresh oil to the specified level
Reduced engine power / troubled engine start	Fuel tank is dirty	Clean the fuel tank
	Air filter is dirty	Replace the air filter
	Water or air in the fuel line	Bleed the fuel line
Engine overheating	Cooling fins are contaminated	Clean the cooling fins
	Air filter is dirty	Replace the air filter
Engine starts, but no output voltage	Circuit breaker tripped	Set the circuit breaker to ON or shut off and then start the generator again
	Connection cables of poor quality	Check cables for normal operation; replace, if extension cable is used
	Faulty connected device	Try connecting another device
Generator works, but does not support connected electrical devices	Device overload	Try connecting fewer devices
	Short circuit of one of the connected devices	Try disconnecting the faulty device
	Insufficient engine speed	Contact the service center

29. AVERAGE POWER CONSUMPTION OF DEVICES

Device	Power (W)
Iron	500-1100
Hair dryer	450-1200
Coffee machine	800-1500
Electric cooker	800-1800
Toaster	600-1500
Heater	1000-2000
Vacuum cleaner	400-1000
Radio	50-250
Grill	1200-2300
Baking oven	1000-2000
Fridge	100-150
TV set	100-400
Perforator	600-1400
Drill	400-800
Freezer	100-400
Grinder	300-1100
Circular saw	750-1600
Crank gear	650-2200
Jigsaw	250-700
Planer	400-1000
Compressor	750-3000
Water pump	750-3900
Bench saw	1800-4000
Electric mower	750-3000
Electric motors	550-5000
Fans	750-1700
High pressure unit	2000-4000
Air conditioner	1000-5000

Generator power selection is based on the calculation of the maximum starting power of your power consumer.

TRADITIONELLE DEUTSCHE QUALITÄT

30. WARRANTY PROVISIONS

Inverter generators are covered by a one-year warranty from the date of purchase, which is confirmed by record and seal of the seller in the warranty card.
All faults caused by the manufacturer during the warranty period will be eliminated free of charge. Warranty repair is carried out only if you have a fully completed warranty card, the Buyer's signature of acceptance of the warranty terms, as well as a document supporting the purchase (cash receipt, sales slip or invoice). In the absence thereof, as well as in the event of errors or corrections not authenticated by the seller's seal or illegible inscriptions in the warranty card or tear-off coupon, no warranty repair is carried out, no objections to quality are accepted and the warranty card is withdrawn by the service center as invalid. The device is accepted for repair clean and full.
Warranty does not apply:
- 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.
- 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.
- To quick-wear parts and components (spark plugs, nozzles, pulleys, filter and safety elements, batteries, removable devices, belts, rubber seals, clutch springs, axles, manual starters, oils, gear).
- 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.

K&S Könner & Söhnen

EC Declaration of Conformity

No. 040

The following products have been tested by us with the listed standards and found in compliance with the European Community Machinery Directive 2006/42/EC, Low Voltage Directive 2014/35/EC, Electromagnetic compatibility Directive (EMC) 2014/30/EC, Noise Directive 2000/14/EC

Manufacturer:	DIMAX INTERNATIONAL GmbH
Address:	Hauptstr. 134, 51143 Köln, Germany
Product:	Inverter generator "Konner & Sohnen"
Type/Model:	KS 1200i, KS 2100i, KS 3500i, KS 3500iE G-Profi, KS 7100iE G-Profi KS 2000i S, KS 3300i S, KS 3300iEG S-Profi, KS 4000iE S KS 4000iEG S-Profi, KS 7200iEG S-Profi

The statement is based on a single evaluation of above mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab. logo. The manufacturer should ensure that all product in series production are in conformity with the product sample detalied in this report. The applicant should hold the whole technical report at disposal of the competent all the right.

Applied EC Diredtives:	2006/42/EC Machinery Directive 2014/35/EC Low Voltage Directive 2014/30/EC Electromagnetic compatibility Directive (EMC) 2000/14/EC Noise Directive
Applied Standards:	EN ISO 8528-13:2016 EN12601:2010 EN 55012:2007/+A1:2009 EN 61000-6-1:2007

CE
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Issued Date: 2018-12-21
Place of issue: Warsaw city
Technical expert: Homenco A.

DIMAX International GmbH
Steuer-Nr.: 103 5722 2493
USt-IdNr: DE296177274

We DIMAX INTERNATIONAL GmbH hereby declare that specified above conforms covering European Parliament and Council Directives, 2006/42/EC of 17 May 2006 Machinery Directive, 2014/35/EC Low Voltage Directive of 26 February 2014, Electromagnetic compatibility Directive (EMC) 2014/30/EC of 26 February 2014, Noise Directive 2000/14/EC of 8 May 2000. The CE mark above can be used under the responsibility of manufacturer. After completion of an EC declaration of Conformity and compliance with all relevant EC directives.

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