



IKÖNNER SÖHNEN

TRADITIONELLE DEUTSCHE QUALITÄT



MACHINERY

FOR PROFESSIONALS AND OTHERS

- ✓ GASOLINE/LPG GENERATORS
- ✓ DIESEL POWER PLANTS
- ✓ TILLERS & PUMPS
- ✓ DIESEL GENERATORS
- ✓ POWER STATIONS
- ✓ SPLITTERS & WOOD CHIPPERS
- ✓ INVERTER GENERATORS
- ✓ SOLAR PANELS
- ✓ MULTIFUNCTION MACHINES



DEAR KÖNNER & SÖHNEN® CUSTOMERS AND PARTNERS!

Thank you for your interest in our products. We hope that Könnert & Söhnen® equipment and accessories will become your reliable assistant!

Könnert & Söhnen® was created in Germany with the aim of producing high-quality, reliable equipment available for purchase by a wide range of consumers. Thanks to the many years of experience of our German specialists in the production of generators and garden equipment, we have created a series of products that meet "TRADITIONS OF GERMAN QUALITY" concept. This is exactly the standard of quality that is passed down from generation to generation, from the master (expert) to the students, from the father to the son, from the producer to the consumers.



Könnert & Söhnen® products have stood the test of time and meet the latest European and international standards of quality, efficiency, and environmental friendliness and cater to the needs of even the most demanding European customers.

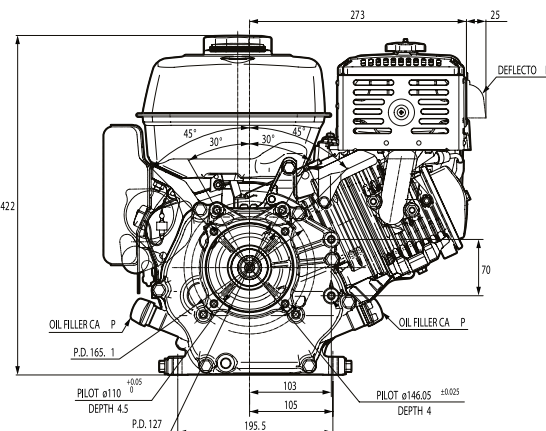
With **more than 200 items** in 2022, Könnert & Söhnen® products are already available in **more than 20 European countries** and have been recognized by international experts and awards. We have established ourselves as a leading choice pari passu with internationally acclaimed brands and are recommended by the world-famous and regional partners.

We stay strong in pursuing our goals and keep up the tradition of German quality.

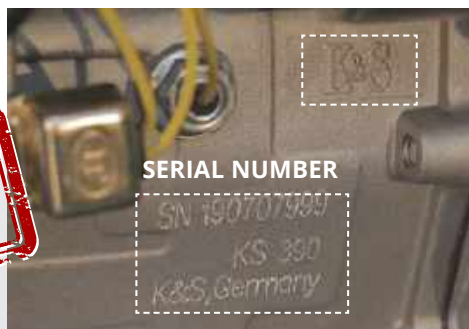
EXCLUSIVE K&S BRANDED ENGINE

All our products are based on our in-house upgraded range of high-performance engines designed by German engineers specifically for Könnert & Söhnen®. Könnert & Söhnen® engines have passed multi-stage tests and investigations, with all possible defects eliminated at the production stage. We purchased a license for the manufacture of our in-house range of Könnert & Söhnen® engines under the company logo and obtained all necessary certificates of conformity to European and international quality, efficiency and environmental standards, including the latest EURO 5 emission standard.

- Guaranteed power output
- Reinforced, wear-resistant parts
- Increased lifespan
- Multi-stage tests
- Serial number
- Own brand embossing



OWN BRAND EMBOSSING



Each engine used in our generators, tillers and garden equipment has a unique serial number, allowing us to track the production and service quality.

KÖNNER & SÖHNEN QUALITY ASSURANCE

QUALITY CONTROL AT EACH PRODUCTION STAGE

All Könnér & Söhnen® products are manufactured under the supervision of German engineers and tested at various stages of production. The customer service callback rate is therefore less than 1%.



CUTTING EDGE EQUIPMENT

- Quality control of purchased spare parts for compliance with European requirements, quality and safety standards;
- Quality control at the production and assembly stage.

IN-HOUSE SERVICE AND PRODUCTION FACILITIES IN EUROPE

- Control of each finished batch of goods before shipment;
- Quality control at our European in-house service and production center for clearance to sale.

PRODUCT RANGE

Having identified all customer needs, we have carefully selected a range of products with the best features, ultimate reliability, and functionality to best meet the needs of our customers.



GASOLINE GENERATORS



LPG / GASOLINE GENERATORS



INVERTER GENERATORS



DIESEL GENERATORS



DIESEL POWER PLANTS



PORTABLE POWER STATIONS



TILLERS



LOG SPLITTERS



MULTIFUNCTION MACHINES

QUALITY CERTIFICATES

Könnér & Söhnen® products have all necessary certificates of conformity to European and international quality standards, including the latest EURO 5 emission standard.



FORBES DIAMONDS 2023
Poland 2023

The Forbes magazine has awarded the Forbes Diamonds 2023 title to DIMAX International Poland Sp. z o. o. as the fastest growing company which have chosen the right business strategy. The strategy of forming the product range with an emphasis on cutting-edge technologies and the development of new exclusive technologies, as well as the intelligent corporate structure and interaction both within the company and beyond enabled it to achieve this success.



INTERNATIONAL AWARDS

We take pride in the high quality and reliability of Könnér & Söhnen® equipment recognized by international experts and prestigious awards. Fastidious and demanding German technical innovation experts have thoroughly examined and tested our products and concluded that the manufacturer Könnér & Söhnen® offers its customers reliable products that are different from the mass-produced ones. They also emphasized some exclusive product innovations and ease of use.



EXCELLENT BRANDS
Germany
2022

In 2022 Könnér & Söhnen® was announced the winner of the **German Brand Award'22** competition in two nominations:

- Excellent Brands - Industry, Machines & Engineering
- Excellent Brands - Product Brand of the Year

Among the 1,200 submissions from exclusively German brands, the unbiased experts honored Könnér & Söhnen® products in two Excellent Brands categories: "Industry, Machines & Engineering" and "Product Brand of the Year." The evaluation criteria are transparent and openly communicated.



PLUS X AWARD
Germany
2019

In 2019, Könnér & Söhnen® products won the prestigious German **Plus X Award** in three nominations:

- High Quality
- Ease of Use
- Functionality

Plus X Award is one of the most renowned awards in the world that ascertains the quality and reliability of products. German experts confirmed that products from Könnér & Söhnen® meet the requirements for high-quality products and stated that the equipment is tailored to even the most demanding customer needs.



GOLD MEDAL
Poland
2018

In 2018, Könnér & Söhnen® products received the prestigious **Gold Medal Award in the Expert Choice nomination in Poland**.

Könnér & Söhnen® equipment was recognized by experienced European experts and professionals as equipment that meets the requirements of advanced technologies.

This award attests to quality of products and high production potential of Könnér & Söhnen®.



PRODUCT OF THE YEAR
Ukraine
2016

Könnér & Söhnen® products won the 2016 **UKRAINIAN NATIONAL OLYMPUS** award as the **BEST PRODUCT OF THE YEAR** in the **Garden Equipment & Generators** category based on value for money. The Könnér & Söhnen® brand has occupied its niche in the medium price category, offering buyers high-quality goods with all European certificates at an affordable price.

STATE-OF-THE-ART TECHNOLOGY

Keeping up with the changing technologies, Könnert & Söhne® constantly updates its product range and introduces new technologies that not only add to the reliability, ecological compatibility and operational efficiency of our equipment but also meet the needs of our customers.



As we prioritize the environment, each product line has items featuring the latest eco-friendly technology. We offer the following products that help to reduce the environmental impact:

Integration with green energy – (solar/wind power plants); generators with a built-in ATS system can be connected to a solar charge controller for automatic battery charging and electricity supply to the house.

Könnert & Söhne® portable chargers and solar panels are “eco-friendly” innovative energy sources that produce no harmful waste during use and do not adversely affect the environment and the climate in general.

EURO 5 – generators are based on K&S branded engines that meet the latest EURO 5 emission standard.

DUAL FUEL – models run on both LPG (propane-butane) and gasoline. LPG is more ecologically clean fuel than gasoline - ensures less emissions of harmful substances of exhaust gases into the atmosphere. LPG has a lower carbon footprint than gasoline and produces fewer exhaust emissions.

Every product group of Könnert & Söhne® garden equipment includes models featuring **eco-friendly electric motors**.

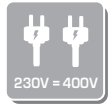
LATEST TECHNOLOGIES AND INNOVATIVE SOLUTIONS:



AUTOMATIC TRANSFER SWITCH
Gasoline, diesel and inverter generators have either a built-in ATS system or an ATS input for connecting an external ATS unit



MULTIFUNCTION DISPLAY
Load, fuel level, frequency, voltage, hour meter; oil level indicator, overload indicator



VOLTAGE TRANSFER SWITCH
Single-phase (230 V) or three-phase (400 V) operation with almost no loss of power



PARALLEL CONNECTION
Increased total output power by connecting two inverter generators together



SOUNDPROOF HOUSING
Generators with a minimal noise level



PREHEATER
For easy generator start in cold weather



AIR AND WATER COOLING



ONE, TWO AND FOUR CYLINDER MODELS

100% SERVICE SUPPORT

We provide 100% customer support and after-sale service throughout the sales area

INTERNATIONAL CUSTOMER & PARTNER SUPPORT

- professional advice on any technical issues
- full after-sales service
- staff product range training

VIDEO INSTRUCTIONS ON HOW TO USE OUR PRODUCTS

- commissioning
- start-up
- explanation of individual functions
- other useful tips

WARRANTY AND AFTER-SALES SERVICE

- high-quality service with original spare parts
- international warranty



KÖNNER & SÖHNEN® IN 2023

In 2022, Könnér & Söhnen® products are already available and much-in-demand in more than **20 European countries**. The company has **4 offices and 3 official representations**, in-house service and production centers in Europe and an extensive dealer network. To date, our equipment is showcased in more than **500 sales outlets** and is commercially available to more than 500 million people. Every year, we open up **3-5 new markets**, set up official representative offices, expand our dealer network and boost turnover.



YEARS EXPERIENCE



COUNTRIES WORLDWIDE



PRODUCT ITEMS



SALES OUTLETS



Head office:

DIMAX International GmbH
Flinger Broich 203, -FortunaPark-
40235 Duesseldorf, Germany



The Könnér & Söhnen® brand is dynamically developing and has interest in new business partners and sales markets.

Best regards, Könnér & Söhnen® team.

CHOOSING KÖNNER & SÖHNEN®, YOU BECOME PART OF A LARGE-SCALE COMPANY AND GET A TURNKEY BUSINESS

Thanks to a team of professionals who have more than 10 years of experience in developing and selling equipment, we know exactly the needs of each sales channel and provide our dealers with a complete package of necessary materials.

QUALITY EQUIPMENT WITH INTERNATIONAL WARRANTY

- ✓ Time-proven and reliable products meet the needs of the most demanding European consumers
- ✓ Products with quality certificates and international awards
- ✓ International 2-year manufacturer's warranty



BY SELLING OUR PRODUCTS, YOU CAN REST ASSURED OF YOUR REPUTATION!

COMPREHENSIVE MARKETING SUPPORT

















Photos, videos, 3D reviews, detailed instructions for assembly, commissioning, start-up, operation of particular functions, Promotional POS and WEB materials, assistance in branding exhibition halls, etc.



CUSTOMER DIVERSITY

We have created a range of products with the best features for the most demanding customers. Könnér & Söhnen® products are suitable for both domestic and commercial applications.

They have the best value for money!

 ADDICKS & KREYE CONTAINER SERVICE GMBH CONTAINER SERVICE	 LUGS MASSIVHAUS GMBH CONSTRUCTION COMPANY	 BLUMENTRITT MEDIZINTECHNIK/INH, THOMAS MATZIK MEDICAL EQUIPMENT MANUFACTURER	 THÜNEN - INSTITUT FÜR AGRARKLIMASCHUTZ INSTITUTE OF AGRICULTURE FOR GLOBAL WARMING
 GERICKE NUTZFAHRZEUGSERVICE UND FAHRZEUGBAU GMBH TRUCK REPAIR	 QUAST WASSERTECHNIK SWIMMING POOL REPAIR	 FISCHBACHER GMBH+CO. KG CONSTRUCTION EQUIPMENT	 HERIBERT & HEIDI HAUSER COTTAGE TOWN
 CATHERINE LEBLANC FITNESS CENTER	 QUAD ET MOTO GENTIANE LASCOURTINES SOLUTIONS FOR MOTORCYCLES AND FOUR-WHEELERS	 JSC "UKRTELECOM" UKRAINE'S LARGEST FIXED LINE TELECOMS PROVIDER	 STATE EMERGENCY SERVICE OF UKRAINE EQUIPMENT FOR FIRE MACHINES
 "STEPHANE REA LA PETITE" FRENCH CUISINE RESTAURANT	 FURNIDE LOJA GUEST HOUSE	 JSC "UKRAINIAN RAILWAY" UKRAINE'S LARGEST PASSENGER AND CARGO CARRIER	 „112 UKRAINE" INFORMATION TV CHANNEL

INTERNATIONAL CUSTOMER & PARTNER SUPPORT



COMPLETE AFTER-SALES
CUSTOMER SUPPORT



CLEAR AND COMPREHENSIBLE
INTRODUCTION TO THE RANGE
OF PRODUCTS



FREQUENTLY ASKED
QUESTIONS/ANSWERS



100% SERVICE SUPPORT,
INCLUDING SUPPLY OF ORIGINAL
SPARE PARTS

GROWING BRAND RECOGNITION

Our fast-growing company has potent promotion and strong sales positions in every market it enters. Every year, we participate in leading trade shows worldwide.



GERMANY
COLOGNE
2016 · 2018
2022



TANZANIA
DAR ES SALAAM
2022



POLAND
POZNAN
2018 · 2019



POLAND
POZNAN
2016 · 2017
2018 · 2019



KENYA
NAIROBI
2022



UAE
DUBAI
2018 · 2022



POLAND
WARSAW
2018



ETHIOPIA
ADDIS ABABA
2023



EGYPT
CAIRO
2022

WE ARE TRUSTED BY

Customer trust is a cornerstone of the further effective development of any business. We value every customer and are proud to be recommended by globally known trading partners.



WE ARE INTERESTED IN YOUR SUCCESS AND INVITE YOU TO COOPERATE!



GASOLINE GENERATORS

Dimax International GmbH (Germany) has the honor to introduce gasoline generators from **Könner & Söhnen®**, which have already established themselves as reliable equipment at an affordable price and have become much-in-demand in many countries worldwide.

Our assortment features a wide model range of gasoline generators with unique functionality to maximize customer satisfaction.

The motto of **Könner & Söhnen®** is **TRADITIONS OF GERMAN QUALITY**, and we are proud to responsibly follow it.



TRADITIONS OF GERMAN QUALITY
ARE AFFORDABLE FOR EVERYBODY!

**KÖNNER
SÖHNEN**

 **2,5 kW – 15,6 kVA**

GASOLINE GENERATORS



THANKS TO THE INTRODUCTION OF CUTTING-EDGE
TECHNOLOGIES AND INNOVATIVE SOLUTIONS,
KÖNNER & SÖHNEN® EQUIPMENT MEETS THE HIGHEST
INTERNATIONAL QUALITY STANDARDS, INCLUDING
THE LATEST EURO 5 EMISSION STANDARD



GASOLINE GENERATORS

Gasoline generators from Könnér & Söhnen® are modern, high-quality equipment that is used in multiple areas as a reliable backup power source.

Our assortment features a wide model range of gasoline generators with unique functionality to maximize customer satisfaction. The range of gasoline generators comprises 2,5 kW – 15,6 kVA models with manual, electric and automatic start for single-and three-phase appliances, equipped with a multifunctional LED-display, automatic circuit breakers for overload and low oil level.

Könnér & Söhnen® generators meets the highest international quality standards, including the latest Euro 5 emission standard.

Generator power



2,6 kW–15,6 kVA

Voltage



230V/400V

Engine start



MANUAL/ELECTRIC

Engine power



6,5–18 HP



3D REVIEW



REVIEW VIDEO OF GENERATOR IN WORK





RELIABLE BRANDED ENGINES

Könnér & Söhnen® engines are reliable, high-performance and cost-effective, and conform to European quality standards. Each engine has a corporate K&S stamp and an individual serial number in order to ensure the quality control of manufacture and after-sales service.



ALTERNATOR WITH 100% COPPER WINDING

Könnér & Söhnen® generators are equipped with a high-end synchronous alternator with 100% copper winding. It is only the copper winding that can withstand maximum loads without any damage to ensure long-term reliable operation of the generator set.
**In models KS 2900, KS 2900G, KS 5000E G alternator with aluminum winding.*



USER-FRIENDLY ERGONOMIC CONTROL PANEL

The ergonomic generator control panel allows easy operation thanks to the convenient location of all functions: modern LED-display (hour meter, frequency, voltage), electric start (optional), overload circuit breaker, low oil level sensor, sockets, grounding connector, terminals, etc.



DOUBLE ANTI-VIBRATION SYSTEM

Könnér & Söhnen® generators are equipped with a double anti-vibration system to ensure noise reduction and extend the service life of the generator. Engines are mounted on top-notch rubber bearings. The reinforced steel frame has additional rubber mounts for protection against sliding, corrosion, and vibration.



FACTS ABOUT K&S GENERATORS

✓ EASE OF USE

All Könnert & Söhne® generators have an extremely sophisticated and intuitive control panel, which makes them extremely easy to use. All functions are clearly laid out and basic performance indicators are displayed to deliver the best possible user experience.

✓ UTMOST SAFETY

Könnert & Söhne® generators are equipped with all the necessary safety features: overload or short-circuit breakers, low oil level sensor and display indicator, and ground screw, with each outlet having a grounding connector and a safety cover.

✓ TOTAL COMFORT

Könnert & Söhne® generators will make your life more comfortable regardless of whether the mains supply is there or not. An accidental power outage will no longer affect your daily routine, and you will be able to continue using your electrical appliances as usual.



KS 2900



Max power	2,9 kW
Nominal power	2,5 kW
Voltage	230 V
Engine start	manual
Outlets	2x16A
Net dimensions (LxWxH)	580x430x440 mm
Net weight	41,5 kg



KS 3000



Max power	3,0 kW
Nominal power	2,6 kW
Voltage	230 V
Engine start	manual
Outlets	2x16A
Net dimensions (LxWxH)	580x430x440 mm
Net weight	41,5 kg



KS 3000E



Max power	3,0 kW
Nominal power	2,6 kW
Voltage	230 V
Engine start	manual/electric
Outlets	2x16A
Net dimensions (LxWxH)	580x430x440 mm
Net weight	46,1 kg



KS 7000



Max power	5,5 kW
Nominal power	5,0 kW
Voltage	230 V
Engine start	manual
Outlets	1x16A, 1x32A
Net dimensions (LxWxH)	680x545x550 mm
Net weight	69,2 kg





GASOLINE GENERATORS

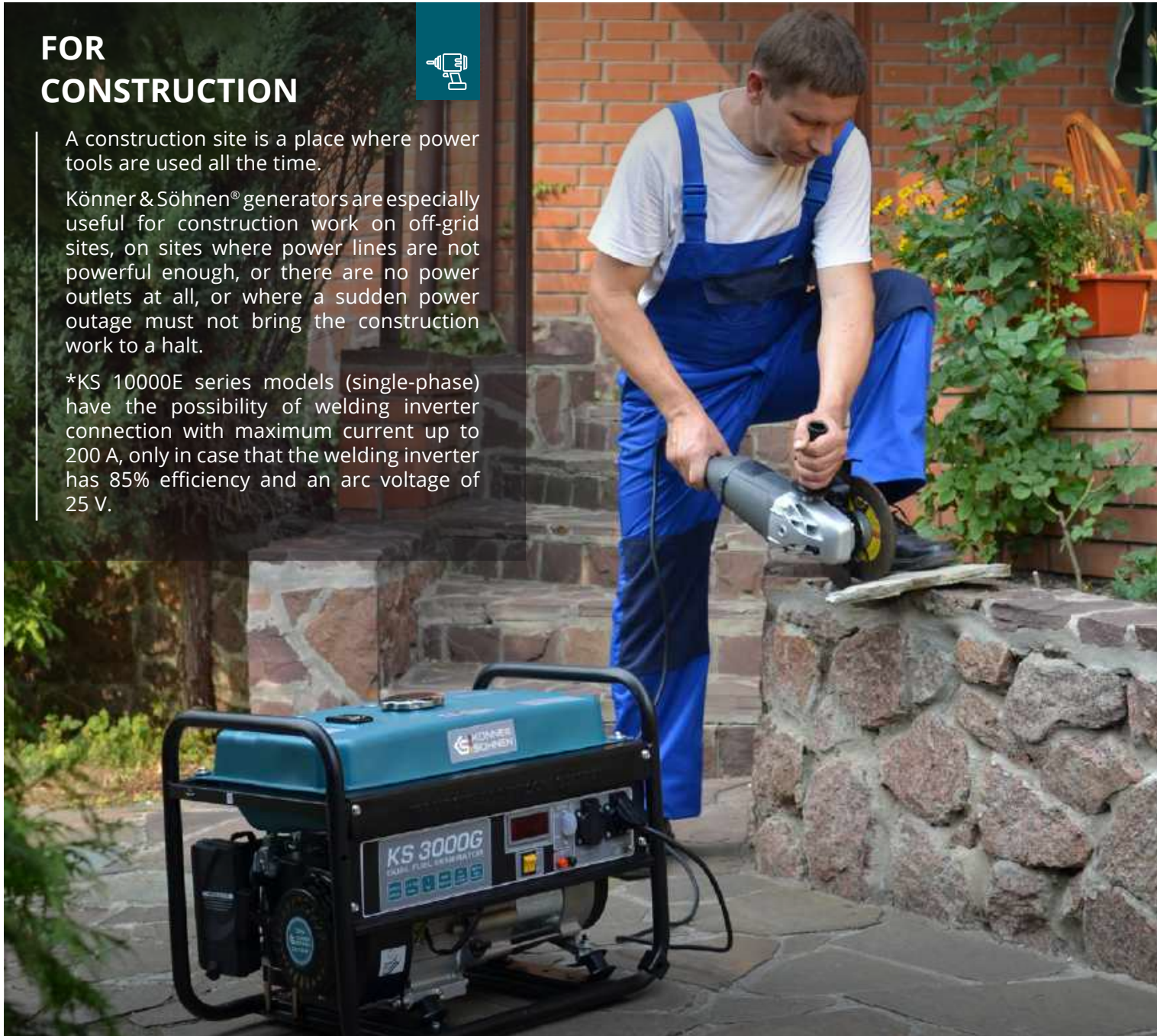
FOR CONSTRUCTION



A construction site is a place where power tools are used all the time.

Könner & Söhne® generators are especially useful for construction work on off-grid sites, on sites where power lines are not powerful enough, or there are no power outlets at all, or where a sudden power outage must not bring the construction work to a halt.

*KS 10000E series models (single-phase) have the possibility of welding inverter connection with maximum current up to 200 A, only in case that the welding inverter has 85% efficiency and an arc voltage of 25 V.



KS 7000E



Max power	5,5 kW
Nominal power	5,0 kW
Voltage	230 V
Engine start	manual/electric
Outlets	1x16A, 1x32A
Net dimensions (LxWxH)	680x545x550 mm
Net weight	76,2 kg



KS 7000E-3



Max power	5,5 kW
Nominal power	5,0 kW
Voltage	400 V
Engine start	manual/electric
Outlets	1x16A (230 V), 1x16A (400 V)
Net dimensions (LxWxH)	680x545x550 mm
Net weight	80,8 kg



KS 10000E



Max power	8,0 kW
Nominal power	7,5 kW
Voltage	230 V
Engine start	manual/electric
Outlets	1x16A, 1x32A
Net dimensions (LxWxH)	680x545x550 mm
Net weight	85,5 kg



KS 10000E-3



Max power	8,0 kW
Nominal power	7,5 kW
Voltage	400 V
Engine start	manual/electric
Outlets	1x16A (230 V), 1x16A (400 V)
Net dimensions (LxWxH)	680x545x550 mm
Net weight	88 kg





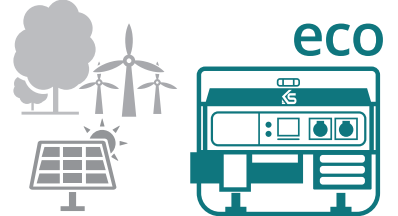
GASOLINE GENERATORS WITH ATS SYSTEM

One of the unique features of our generators is a **built-in ATS** (automatic transfer switch) system. This system allows generator to monitor central power availability and to automatically switch itself on when the electricity is turned off and then automatically switch off when the power is available again. The function becomes irreplaceable and extremely convenient in buildings with severe temperature or light conditions in the absence of personnel control.

It does not require any additional sophisticated equipment to run automatic reserve entry. ATS unit is already built into the generator, installation is as simple as possible and the cost of these models is highly affordable.

“GREEN” ENERGY COMPATIBILITY

Integration with “green” energy (solar, wind power plants) - generators with built-in ATS system can be connected to the solar inverter controller to start automatic battery charging and providing electricity supply to the house.



Generator power



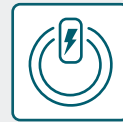
5,0 kW–8,0 kW

Voltage



230V/400V

Engine start



MANUAL/ELECTRIC/AUTO

Engine power



13–18 HP



LED-display: voltage, frequency, working hours

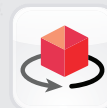
ATS switch
ATS operation indicator

Circuit breaker. Overload and short circuit protection

External power supply connectors



Powerful and reliable EURO 5 engine of Könnér & Söhnen®



3D REVIEW



REVIEW VIDEO OF GENERATOR IN WORK





BUILT-IN ATS SYSTEM

The generator control panel with the ATS function (automatic transfer switch) is equipped with power terminals, ATS switch and ATS operation indicator.



SWITCHING CONTACTORS

Reliable 100% copper switching contactors have an increased capacity of 40 A, which ensures long-term fail-safe performance of the ATS system.



230 V OR 400 V

The presented series includes models for single- and three-phase consumers. The generator control panel with the ATS function has corresponding 230V and 400V mains terminals.



LED DISPLAY

The display shows information about frequency, voltage and operating hours of the generator in order to ensure timely maintenance of the generator and extend its service life.



GASOLINE GENERATORS WITH ATS SYSTEM



KS 7000E ATS

Max power	5,5 kW
Nominal power	5,0 kW
Voltage	230 V
Engine start	manual/electric/auto
Outlets	1x16A, 1x32A
Net dimensions (LxWxH)	680x545x550 mm
Net weight	76,8 kg



KS 7000E-3 ATS

Max power	5,5 kW
Nominal power	5,0 kW
Voltage	400 V
Engine start	manual/electric/auto
Outlets	1x16A (230 V), 1x16A (400 V)
Net dimensions (LxWxH)	680x545x550 mm
Net weight	82,3 kg



KS 10000E ATS

Max power	8,0 kW
Nominal power	7,5 kW
Voltage	230 V
Engine start	manual/electric/auto
Outlets	1x16A, 1x32A
Net dimensions (LxWxH)	680x545x550 mm
Net weight	87,8 kg



KS 10000E-3 ATS

Max power	8,0 kW
Nominal power	7,5 kW
Voltage	400 V
Engine start	manual/electric/auto
Outlets	1x16A (230 V), 1x16A (400 V)
Net dimensions (LxWxH)	680x545x550 mm
Net weight	89,2 kg



*KS 10000E series models (single-phase) have the possibility of welding inverter connection with maximum current up to 200 A, only in case that the welding inverter has 85% efficiency and an arc voltage of 25 V.

** Generator can be connected to the solar charge controller.



FOR HOME

Occasional power outages can interfere with the comfort of country life.

Könnér & Söhnen® gasoline generators are the ideal backup power source for private homes that guarantee your usual daily routine in an emergency. With a Könnér & Söhnen® generator, every family gets reliable protection and can enjoy everyday life and use critical appliances during power outages.

These high-performance units exhibit consistent performance and can power various single-phase and three-phase household appliances. They are more space-efficient and easy to maintain than diesel generators.





GASOLINE GENERATORS WITH VTS SYSTEM

Universal high-performance generators 2 in 1 from Könnert & Söhnen®!

There is no need to purchase two separate generators for single- and three-phase consumers since Könnert & Söhnen® generators with a unique innovative VTS (Voltage Transfer Switch) phase switching system provide equal power for single-phase (230V) and three-phase (400V) appliances thanks to innovative technology.

It is no longer necessary even to stop the generator engine: just switch to the required mode, enable the appropriate circuit breakers (ON) and connect the appliances.

Generator power



5,0 kW–8,0 kW

Voltage



230V/400V

Engine start



MANUAL/ELECTRIC

Engine power



13–18 HP

- ✓ Equal power for single-phase (230V) and three-phase (400V) - unique innovative VTS system
- ✓ High-performance gasoline engines from Könnert & Söhnen® conform to latest standard of emission EURO 5.

- ✓ Alternator specially designed for single- and three-phase operation without loss of power
- ✓ Automatic overload and short circuit protection

Circuit breaker.
Overload and short circuit protection for each mode 230V / 400V

LED-display: voltage, frequency, working hours

VTS phase switching system

Outlets for single-phase and three-phase consumers



Powerful and reliable EURO 5 engine of Könnert & Söhnen®

Specially designed alternator for single-phase and three-phase operation modes. 100% copper winding

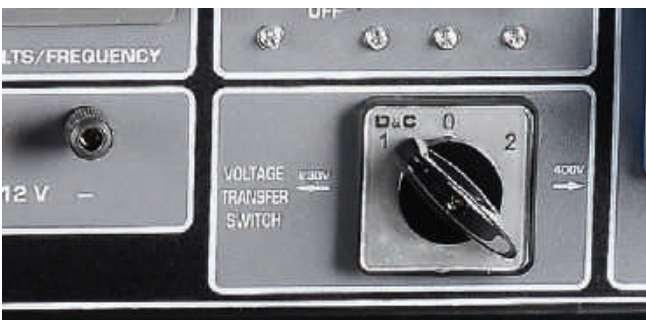


3D REVIEW



REVIEW VIDEO OF GENERATOR IN WORK





VTS SYSTEM

The unique innovative VTS (voltage Transfer Switch) phase switching system with equal power for single-phase (230V) and three-phase (400V) consumers. Each mode has its own circuit breaker.



SYNCHRONOUS ALTERNATOR

The synchronous alternator with integrated intelligent AVR system is specially designed for single- and three-phase operation without loss of power. High workmanship and copper winding can withstand prolonged ultimate loads.



HIGH-PERFORMANCE ENGINE

Each Könnér & Söhnen® engine is equipped with a backup power supply, which ensures Könnér & Söhnen® generators deliver the declared power for sure! K&S engines conform to European quality standards, including the latest standard of emission EURO 5.



EQUIPMENT

The generator panel is equipped with ergonomic connectors for connecting single- and three-phase consumers. High-output sockets are made of high-quality heat-resistant plastic.



GASOLINE GENERATORS WITH VTS SYSTEM



KS 7000E-1/3

Max power/Nom. power, 230 V	5,5/5,0 kW
Max power/Nom. power, 400 V	5,5/5,0 kW
Voltage	230 V/400 V
Engine start	manual/electric
Outlets	1x16A (400 V) 1x32A (230 V)
Net dimensions (LxWxH)	680x545x550 mm
Net weight	81 kg



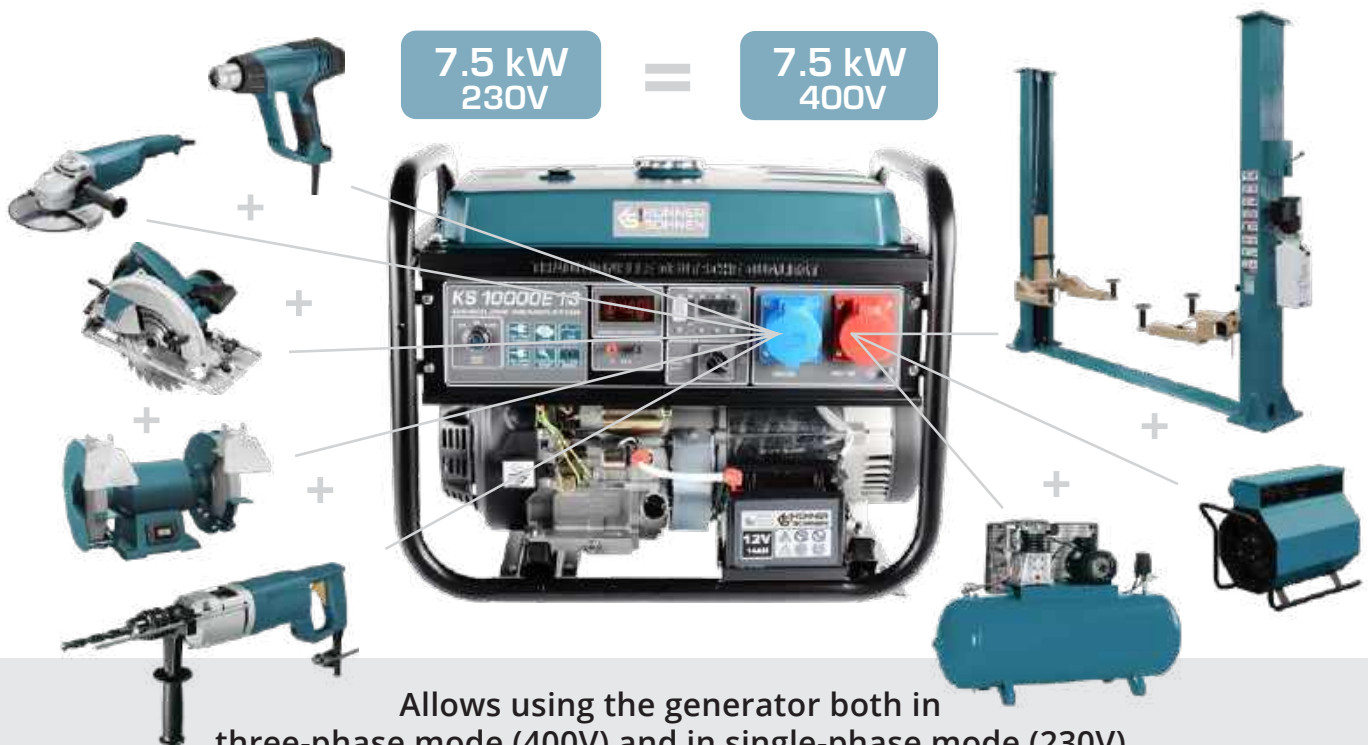
KS 10000E-1/3

Max power/Nom. power, 230 V	8,0/7,5 kW
Max power/Nom. power, 400 V	8,0/7,5 kW
Voltage	230 V/400 V
Engine start	manual/electric
Outlets	1x16A (400 V) 1x32A (230 V)
Net dimensions (LxWxH)	680x545x550 mm
Net weight	88 kg



KS 10000E series models (single-phase) have the possibility of welding inverter connection with maximum current up to 200 A, only in case that the welding inverter has 85% efficiency and an arc voltage of 25 V.

Voltage transfer switch system



Allows using the generator both in three-phase mode (400V) and in single-phase mode (230V) without loss of power

The unique innovative phase switching system allows using the generator both in three-phase (400V) and in single-phase mode (230V). It is no longer necessary to purchase two separate generators and maintain them: just switch the mode and use the Könnér & Söhnen® generator with the phase switching system at the required voltage.





LPG/GASOLINE GENERATORS

DUAL FUEL series LPG/gasoline generators from Könnér & Söhnen® can run on both gasoline and liquefied gas (propane-butane). The package includes everything you need to use LPG as fuel.



DUAL FUEL series LPG/gasoline generators from Könnér & Söhnen® are currently the most popular among customers due to their efficiency. The generator can run on both gasoline and liquefied gas (propane-butane).

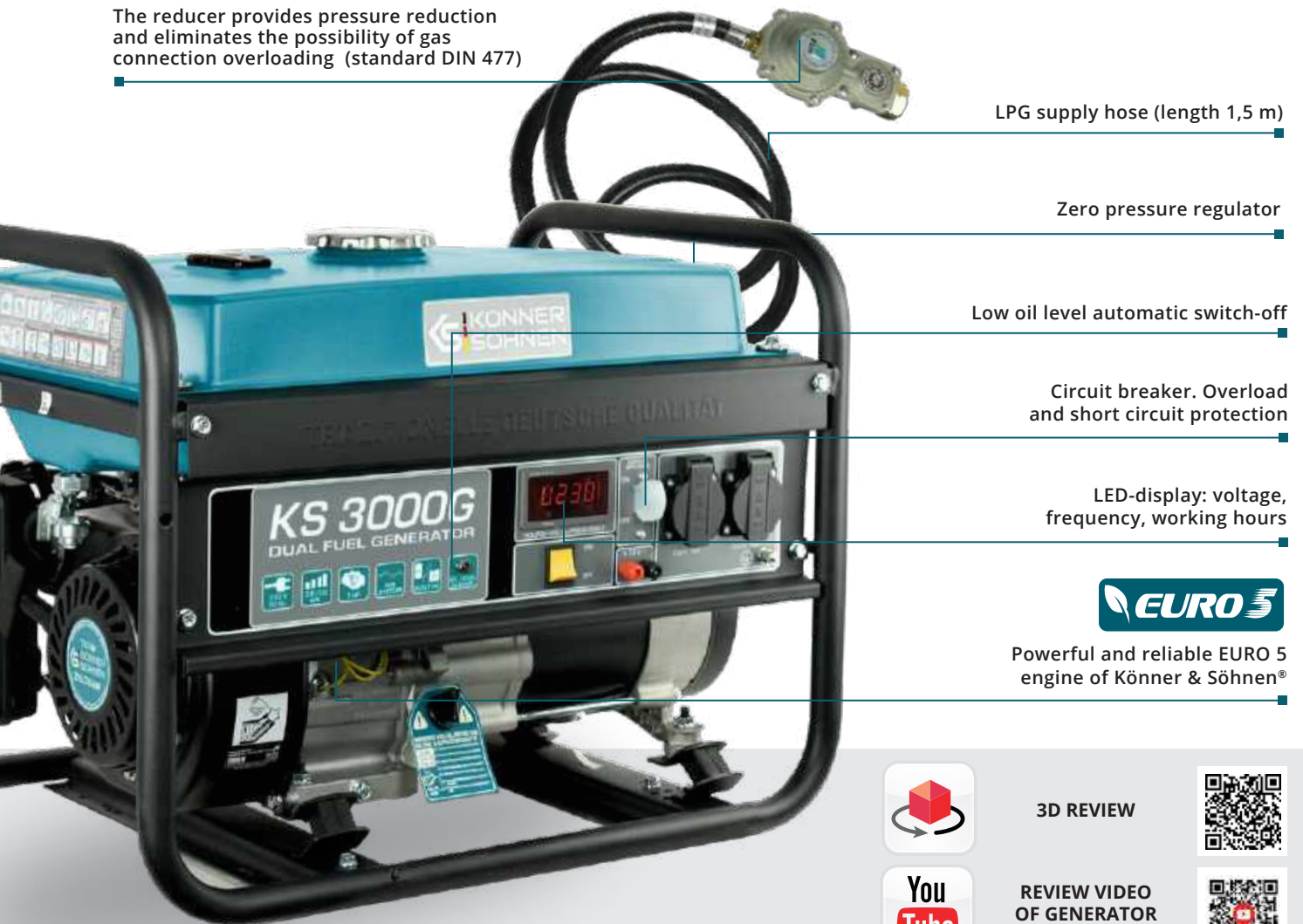
The operation of the generator on LPG increases the service life of the engine. The package includes everything you need to use LPG as fuel: built-in reducer that provides gas supply during engine operation, prevents gas leakage, as well as terminates gas supply when the generator is off; 1.5 m long hose for connecting a gas cylinder provides a convenient connection; the hose is equipped with an additional reducer that is mounted on the cylinder to increase the reliability of the gas line.

Just connect the generator to the cylinder and start the engine. If necessary, LPG/gasoline models can easily be switched to gasoline mode.

✓ There is no need to add gasoline to the fuel tank to start the generator. The generator can start and run directly on LPG.

✓ The most simple connection - you need just connect the hose to your cylinder.

The reducer provides pressure reduction and eliminates the possibility of gas connection overloading (standard DIN 477)



LPG supply hose (length 1,5 m)

Zero pressure regulator

Low oil level automatic switch-off

Circuit breaker. Overload and short circuit protection

LED-display: voltage, frequency, working hours



Powerful and reliable EURO 5 engine of Könnér & Söhnen®



3D REVIEW



REVIEW VIDEO OF GENERATOR IN WORK





ECONOMICAL CHOICE

Apart from connection to a regular portable gas cylinder, Könnert & Söhnen® LPG/gasoline generators can be connected to an existing 30-50 mBar LPG (propane, butane) distribution system (connection hose is not included). LPG/gasoline models can easily be switched to gasoline operation.



EQUIPMENT

The package includes everything necessary for using LPG as fuel, specifically zero pressure regulator, the hose for connecting to your gas cylinder, reducer that is mounted on the cylinder. All you need is to connect the generator to the cylinder and start the engine.



ENVIRONMENTALLY - FRIENDLY ENGINE

LPG is a more environmentally friendly fuel than gasoline. The use of LPG as fuel provides less emissions of harmful exhaust substances into the atmosphere.



IMPROVED ENGINE EFFICIENCY

When operated on liquefied gas, the engine provides less vibration in a way that facilitates long and stable generator operation and increases engine service life.



LPG/GASOLINE GENERATORS

KS 2900G



Max power	2,9 kW
Nominal power	2,5 kW
Voltage	230 V
Engine start	manual
Outlets	2x16A
Net dimensions (LxWxH)	580x430x440 mm
Net weight	43 kg



KS 3000G



Max power	3,0 kW
Nominal power	2,6 kW
Voltage	230 V
Engine start	manual
Outlets	2x16A
Net dimensions (LxWxH)	580x430x440 mm
Net weight	45.4 kg



KS 5000E G



Max power	4,5 kW
Nominal power	4,0 kW
Voltage	230 V
Engine start	manual/electric
Outlets	2x16A
Net dimensions (LxWxH)	680x545x550 mm
Net weight	77 kg



KS 7000E G



Max power	5,5 kW
Nominal power	5,0 kW
Voltage	230 V
Engine start	manual/electric
Outlets	1x16A, 1x32A
Net dimensions (LxWxH)	680x545x550 mm
Net weight	77,2 kg



KS 9000E G



Max power	6,5 kW
Nominal power	6,0 kW
Voltage	230 V
Engine start	manual/electric
Outlets	1x16A, 1x32A
Net dimensions (LxWxH)	680x545x550 mm
Net weight	83 kg



KS 10000E G



Max power	8,0 kW
Nominal power	7,5 kW
Voltage	230 V
Engine start	manual/electric
Outlets	1x16A, 1x32A
Net dimensions (LxWxH)	680x545x550 mm
Net weight	86,5 kg



Liquefied gas (propane-butane) is more environmentally friendly than gasoline. The use of gas as fuel reduces the amount of harmful emissions into the atmosphere.





GASOLINE 1- AND 2-CYLINDER GENERATORS

Generators for your attention - powerful gasoline **single and two-cylinder models** with 8,0 kW to 15,6 kVA power with the possibility of ATS unit connection. KS 12-1E 1/3 ATSR and KS 15-1E 1/3 ATSR generators also have a unique VTS phase switching technology that enables single-phase (230V) or three-phase (400V) operation with almost no power loss.

Generators are based on robust single- and two-cylinder engines that meet the latest EURO 5 emission standard. Generators are also equipped with convenient, ergonomic control panel with emergency stop button and multi-function LED display to control generator operation - frequency, voltage, hours worked and low oil level. Each model is equipped with outlets to allow you to get maximum power delivered by the device. The capacious 55-liter fuel tank ensures long and continuous operation. Generators have a reinforced ø32 mm steel frame, equipped with a transport kit to ease transportation. Anti-corrosion electrostatic painting protects the device from mechanical damage and environmental influences.

Generator power



8,0 kW-15,6 kVA

Voltage



230V/400V

Engine start



MANUAL/ELECTRIC

Engine power



18,5-22 HP



Engine emergency shutdown

LED-display: voltage, frequency, working hours, oil alarm

VTS phase switching system for models KS 12-1E 1/3 ATSR, KS 15-1E 1/3 ATSR

8-pin ATS input



Reliable 1- or 2-cylinder engines Könnér & Söhnen®

8.0 kW - 15.6 kVA
POWERFUL GASOLINE GENERATORS
BASED ON TWO-CYLINDER ENGINES





POWERFUL ENGINE

Powerful and reliable 1-, or 2-cylinder engines with air cooling (18.5 - 22 hp) comply with all international and European standards of quality, including latest emission standard EURO 5. Each engine has an individual serial number for control the quality of production and service.



SYSTEM VTS

Universal generators 2 in 1 have a unique VTS (Voltage Transfer Switch) phase switching system, which allows using a single generator both in single-phase mode (230V) and in three-phase mode (400V) with almost no loss of power. The models are equipped with single-phase and three-phase outlets, which enable the maximum power output of the unit. The generators feature circuit breakers for each operating mode.



ERGONOMIC CONTROL PANEL

The user-friendly ergonomic control panel allows easy control of the whole device, requires no special skills; modern LED- display (hour meter, frequency, voltage, oil alarm); overload and short circuit protection; ATS input. Panel is equipped with engine emergency switch.



ATS OUTPUT

The generator is suitable for connecting the ATS (automatic transfer switch) system. The ATS input features a 8-pin connector. The ATS unit automatically starts the generator and transfers load to it when the main power supply is disconnected and automatically stops the generator when the central power supply is restored.



GASOLINE 1- AND 2-CYLINDER GENERATORS

KS 12-1E ATSR



Max power	9,2 kW
Nominal power	9,0 kW
Voltage	230 V
Engine start	manual/electric
Outlets	1x63A, 1x32A, 1x16A
Net dimensions (LxWxH)	790x705x680 mm
Net weight	120 kg



KS 12-1E 1/3 ATSR



Max power/Nom. power, 230 V	8,2/8,0 kW
Max power/Nom. power, 400 V	11,5/11,25 kVA
Voltage	230 V/400 V
Engine start	manual/electric
Outlets	1x32A (400 V), 1x32A (230 V) 1x16A (230 V)
Net dimensions (LxWxH)	790x705x680 mm
Net weight	120 kg



KS 15-1E ATSR



Max power	12,5 kW
Nominal power	12,0 kW
Voltage	230 V
Engine start	electric
Outlets	1x63A, 1x32A, 1x16A
Net dimensions (LxWxH)	780x705x680 mm
Net weight	155 kg



KS 15-1E 1/3 ATSR



Max power/Nom. power, 230 V	11,5/11,0 kW
Max power/Nom. power, 400 V	15,6/15,0 kVA
Voltage	230 V/400 V
Engine start	electric
Outlets	1x32A (400 V), 1x63A (230 V)
Net dimensions (LxWxH)	780x705x680 mm
Net weight	155 kg



AUTOMATIC TRANSFER SWITCH

Gasoline generators of KS 12 and KS 15 series are equipped with a universal **8-pin connector** (ATS input) for an automatic transfer switch unit. The **ATS unit** is suitable for single- and three-phase networks; it can operate both in automatic and in manual mode and has Summer/Winter mode.

The ATS (Automatic Transfer Switch) unit automatically starts the generator and transfers load to it when the main power supply is disconnected and automatically stops the generator when the central power supply is restored.



KS ATS 4/32-12	
Power	14 kW(230V)/21 kW(400V)
Voltage	230 V/400 V
Current (Max) 230 V	64 A
Current (Max) 400 V	32 A
Net dimensions (LxWxH)	220x150x370 mm
Net weight, kg	5,5 kg

Suitable for models KS 12-1E ATSR, KS 12-1E 1/3 ATSR.

KS ATS 4/32-15	
Power	14 kW(230V)/21 kW(400V)
Voltage	230 V/400 V
Current (Max) 230 V	64 A
Current (Max) 400 V	32 A
Net dimensions (LxWxH)	220x150x370 mm
Net weight, kg	5,5 kg

Suitable for models KS 15-1E ATSR, KS 15-1E 1/3 ATSR.





GASOLINE GENERATORS



Voltage, V	230	230	230	230	230
Max power, kW	2,9	2,9	3,0	3,0	3,0
Nominal power, kW	2,5	2,5	2,6	2,6	2,6
Frequency, Hz	50	50	50	50	50
Current, A (max)	12,5	12,5	13,04	13,04	13,04
Outlets	2x16A	2x16A	2x16A	2x16A	2x16A
Fuel tank volume, l	15	15	15	15	15
Working time at 50% load*, h	15	15	15	15	15
LED display	voltage, frequency, working hours				
Noise level LPA (7 m)/LWA, dB	68/93	68/93	68/93	68/93	68/93
Power output DC, V/A	12/8,3	12/8,3	12/8,3	12/8,3	12/8,3
Engine model	KS 200	KS 200	KS 210	KS 210	KS 210
Engine type	gasoline powered one-cylinder, four-stroke air-cooled	LPG/gasoline powered one-cylinder, four-stroke air-cooled	gasoline powered one-cylinder, four-stroke air-cooled		LPG/gasoline powered one-cylinder, four-stroke air-cooled
Engine power, hp/kW	6,5/4,78	6,5/4,78	7,0/5,15	7,0/5,15	7,0/5,15
Crank case volume, cm ³	0,6	0,6	0,6	0,6	0,6
Engine cylinder volume, cm ³	196	196	208	208	208
Power output controller	intelligent voltage stabilization system AVR				
Engine start	manual	manual	manual	manual/electric	manual
Power factor, cos φ	1,0 (230 V)	1,0 (230 V)	1,0 (230 V)	1,0 (230 V)	1,0 (230 V)
Net dimensions (LxWxH), mm	580x430x440	580x430x440	580x430x440	580x430x440	580x430x440
Gross dimensions (LxWxH), mm	610x455x485	610x455x485	610x455x485	610x455x485	610x455x485
Net weight, kg	41,5	43	41,5	46,1	45,4
Gross weight, kg	43,6	47,5	43,6	47,1	47,5
Protection class	IP23M				
QR code					

In models KS 2900, KS 2900G, KS 5000E G alternator with aluminum winding.

*Fuel consumption depends on many factors, such as load, fuel quality, season, altitude, technical condition of the generator.



DUAL FUEL series LPG/gasoline generators from Könnér & Söhnen®. The generator can run on both gasoline and liquefied gas (propane-butane).



Könnér & Söhnen® engines are reliable, high-performance and cost-effective, and conform to European quality standards, including the latest standard of emission **EURO 5**



GASOLINE GENERATORS

	KS 5000E G	KS 7000	KS 7000E	KS 7000E-3	KS 7000E ATS
Voltage, V	230	230	230	400	230
Max power, kW	4,5	5,5	5,5	5,5	5,5
Nominal power, kW	4,0	5,0	5,0	5,0	5,0
Frequency, Hz	50	50	50	50	50
Current, A (max)	19,5	23,91	23,91	13,04	23,91
Outlets	2x16A	1x16A, 1x32A	1x16A, 1x32A	1x16A (230 V) 1x16A (400 V)	1x16A, 1x32A
Fuel tank volume, l	25	25	25	25	25
Working time at 50% load*, h	17	17	17	17	17
LED display	voltage, frequency, working hours				
Noise level LPA (7 m)/LWA, dB	70/95	70/95	70/95	70/95	70/95
Power output DC, V/A	12/8,3	12/8,3	12/8,3	12/8,3	12/8,3
Engine model	KS 390	KS 390	KS 390	KS 390	KS 390
Engine type	LPG/gasoline powered one- cylinder, four- stroke air-cooled	gasoline powered one-cylinder, four-stroke air-cooled			
Engine power, hp/kW	13,0/9,56	13,0/9,56	13,0/9,56	13,0/9,56	13,0/9,56
Crank case volume, cm ³	1,1	1,1	1,1	1,1	1,1
Engine cylinder volume, cm ³	389	389	389	389	389
Power output controller	intelligent voltage stabilization system AVR				
Engine start	manual/electric	manual	manual/electric	manual/electric	manual/electric/ auto
Power factor, cos φ	1,0 (230 V)	1,0 (230 V)	1,0 (230 V)	0,8 (400 V)	1,0 (230 V)
Net dimensions (LxWxH), mm	680x545x550	680x545x550	680x545x550	680x545x550	680x545x550
Gross dimensions (LxWxH), mm	700x545x590	700x545x590	700x545x590	700x545x590	700x545x590
Net weight, kg	77	69,2	76,2	80,8	76,8
Gross weight, kg	79,6	71,6	78,6	83,2	78,8
Protection class	IP23M				
QR code					

In models KS 2900, KS 2900G, KS 5000E G alternator with aluminum winding.

*Fuel consumption depends on many factors, such as load, fuel quality, season, altitude, technical condition of the generator.

Built-in ATS (Automatic transfer switch). The generator control panel with the ATS function is equipped with power terminals, ATS switch and ATS operation indicator.



Könnér & Söhnen® engines are reliable, high-performance and cost-effective, and conform to European quality standards, including the latest standard of emission EURO 5



GASOLINE GENERATORS



KS 7000E-3 ATS

KS 7000E-1/3

KS 7000E G

KS 9000E G

KS 10000E

Voltage, V	400	230	400	230	230	230
Max power, kW	5,5	5,5	5,5	5,5	6,5	8,0
Nominal power, kW	5,0	5,0	5,0	5,0	6,0	7,5
Frequency, Hz	50	50		50	50	50
Current, A (max)	9,93	23,91	9,93	23,91	28,3	34,78
Outlets	1x16A (230 V) 1x16A (400 V)	1x16A (400 V) 1x32A (230 V)		1x16A, 1x32A	1x16A, 1x32A	1x16A, 1x32A
Fuel tank volume, l	25	25		25	25	25
Working time at 50% load*, h	17	17		17	15	17
LED display	voltage, frequency, working hours					
Noise level LPA (7 m)/LWA, dB	70/95	70/95		70/95	71/96	71/96
Power output DC, V/A	12/8,3	12/8,3		12/8,3	12/8,3	12/8,3
Engine model	KS 390	KS 390		KS 390	KS 420	KS 440
Engine type	gasoline powered one-cylinder, four-stroke air-cooled			LPG/gasoline powered one-cylinder, four-stroke air-cooled		gasoline powered one-cylinder, four- stroke air-cooled
Engine power, hp/kW	13,0/9,56	13,0/9,56		13,0/9,56	16,0/11,77	18,0/13,24
Crank case volume, cm ³	1,1	1,1		1,1	1,1	1,2
Engine cylinder volume, cm ³	389	389		389	420	440
Power output controller	intelligent voltage stabilization system AVR					
Engine start	manual/electric/ auto	manual/electric		manual/electric	manual/electric	manual/electric
Power factor, cos φ	0,8 (400 V)	1,0 (230 V)	0,8 (400 V)	1,0 (230 V)	1,0 (230 V)	1,0 (230 V)
Net dimensions (LxWxH), mm	680x545x550	680x545x550		680x545x550	680x545x550	680x545x550
Gross dimensions (LxWxH), mm	700x545x590	700x545x590		700x545x590	700x545x590	700x545x590
Net weight, kg	82,3	81		77,2	83	86,5
Gross weight, kg	83,2	83		79,6	88,9	88,9
Protection class	IP23M					
QR code						

*Fuel consumption depends on many factors, such as load, fuel quality, season, altitude, technical condition of the generator.



DUAL FUEL series LPG/gasoline generators from Könnér & Söhnen®. The generator can run on both gasoline and liquefied gas (propane-butane).



Built-in ATS. Built-in ATS system (automatic transfer switch). ATS unit is already built into the generator, installation is as simple as possible. The generator control panel with the ATS function is equipped with power terminals, ATS switch and ATS operation indicator.



KS 10000E-3 KS 10000E ATS KS 10000E-3 ATS KS 10000E-1/3 KS 10000E G

GASOLINE GENERATORS

Voltage, V	400	230	400	230	400	230
Max power, kW	8,0	8,0	8,0	8,0	8,0	8,0
Nominal power, kW	7,5	7,5	7,5	7,5	7,5	7,5
Frequency, Hz	50	50	50	50		50
Current, A (max)	14,45	34,78	14,45	34,78	14,45	34,78
Outlets	1x16A (230 V) 1x16A (400 V)	1x16A, 1x32A	1x16A (230 V) 1x16A (400 V)	1x16A (400 V) 1x32A (230 V)		1x16A, 1x32A
Fuel tank volume, l	25	25	25	25		25
Working time at 50% load*, h	15	15	15	15		15
LED display	voltage, frequency, working hours					
Noise level LPA (7 m)/LWA, dB	71/96	71/96	71/96	71/96		71/96
Power output DC, V/A	12/8,3	12/8,3	12/8,3	12/8,3		12/8,3
Engine model	KS 440	KS 440	KS 440	KS 440		KS 440
Engine type	gasoline powered one-cylinder, four-stroke air-cooled					LPG/gasoline powered one-cylinder, four- stroke air-cooled
Engine power, hp/kW	18,0/13,24	18,0/13,24	18,0/13,24	18,0/13,24		18,0/13,24
Crank case volume, cm ³	1,2	1,2	1,2	1,2		1,2
Engine cylinder volume, cm ³	440	440	440	440		440
Power output controller	intelligent voltage stabilization system AVR					
Engine start	manual/electric	manual/electric/ auto	manual/electric/ auto	manual/electric		manual/electric
Power factor, cos φ	0,8 (400 V)	1,0 (230 V)	0,8 (400 V)	1,0 (230 V)	0,8 (400 V)	1,0 (230 V)
Net dimensions (LxWxH), mm	680x545x550	680x545x550	680x545x550	680x545x550		680x545x550
Gross dimensions (LxWxH), mm	700x545x590	700x545x590	700x545x590	700x545x590		700x545x590
Net weight, kg	88,0	87,8	89,2	88		86,5
Gross weight, kg	90,4	90,2	91,6	90		88,9
Protection class	IP23M					
QR code						

*Fuel consumption depends on many factors, such as load, fuel quality, season, altitude, technical condition of the generator.



Voltage transfer switch system. Allows using the generator both in three-phase mode (400V) and in single-phase mode (230V) without loss of power.



Könnér & Söhnen® engines are reliable, high-performance and cost-effective, and conform to European quality standards, including the latest **standard of emission EURO 5**



GASOLINE GENERATORS



KS 12-1E ATSR



KS 12-1E 1/3 ATSR



KS 15-1E ATSR



KS 15-1E 1/3 ATSR

Voltage, V	230	230	400	230	230	400
Max power	9,2 kW	8,2 kW	11,5 kVA	12,5 kW	11,5 kW	15,6 kVA
Nominal power	9,0 kW	8,0 kW	11,25 kVA	12,0 kW	11,0 kW	15,0 kVA
Frequency, Hz	50	50		50	50	
Current, A (max)	40	35	17	53	48	22
Outlets	1x63A (230 V) 1x32A (230 V) 1x32A (230 V)	1x32A (400 V) 1x32A (230 V) 1x16A (230 V)		1x63A (230 V) 1x32A (230 V) 1x16A (230 V)	1x63A (230 V) 1x32A (400 V)	
LED display	voltage, frequency, working hours, oil alarm					
Noise level LPA (7 m)/LWA, dB	74/97	74/97		73/96	73/96	
Power output DC, V/A	+	+		+	+	
Engine model	KS 650	KS 650		KS 780	KS 780	
Engine type	gasoline powered one-cylinder, four-stroke air-cooled			gasoline powered two-cylinder, four-stroke air-cooled		
Engine power, hp/kW	18,5/13,6	18,5/13,6		22,0/16,18	22,0/16,18	
Crank case volume, cm ³	1,4	1,4		1,5	1,5	
Engine cylinder volume, cm ³	625	625		750	750	
Power output controller	intelligent voltage stabilization system AVR					
Engine start	manual/electric	manual/electric		electric	electric	
Power factor, cos φ	1,0 (230 V)	1,0 (230 V)	0,8 (400 V)	1,0 (230 V)	1,0 (230 V)	0,8 (400 V)
Battery, Ah	21			36		
Ability to connect ATS (8-pin connector)	+	+		+	+	
Net dimensions (LxWxH), mm	790x705x680	790x705x680		780x705x680	780x705x680	
Gross dimensions (LxWxH), mm	800x715x780	800x715x780		807x715x905	807x715x905	
Net weight, kg	120	120		155	155	
Gross weight, kg	136	136		170	170	
Protection class	IP23M					
QR code						



Automatic transfer switch. The generator has the ability to connect the ATS system (automatic transfer switch). The ATS input has a 8-pin connector.



Voltage transfer switch system. Allows using the generator both in three-phase mode (400V) and in single-phase mode (230V) without almost no loss of power.

TRANSPORTATION KITS

KS 3 KIT



Suitable for all open frame models of gasoline generators: KS 2000, KS 3000 series

Mounting kit	1 pc
Wheels	2 pcs
Handles	2 pcs
Support legs	2 pcs
Net/Gross weight	5,0/5,6 kg



KS 7 KIT



Suitable for all open frame models of gasoline generators: KS 5000, KS 7000 series (steel frame Ø28 cm).

Mounting kit	1 pc
Wheels	2 pcs
Handles	2 pcs
Support legs	2 pcs
Net/Gross weight	5,12/5,66 kg



KS 10 KIT



Suitable for all open frame models of gasoline generators: KS 9000, KS 10000 series (steel frame Ø32 cm).

Mounting kit	1 pc
Wheels	2 pcs
Handles	2 pcs
Support legs	2 pcs
Net/Gross weight	5,24/5,78 kg



DIESEL GENERATORS

Könnert & Söhne® **diesel generators of the "HEAVY DUTY" series** are models of generators for a backup power source that have a number of advantages compared to gasoline models, namely:

- increased motor resource - so they have a longer service life.
- can work more hours without a break
- lower fuel consumption
- have a reinforced frame structure and high-strength components.

The updated range includes one- and two-cylinder models with air or water cooling with a capacity of **5,0 kW to 13,75 kVA**.



 **5,0kW – 13,75kVA**



DIESEL GENERATORS

KÖNNER & SÖHNEN® DIESEL GENERATORS OF THE "HEAVY DUTY" SERIES
HAVE AN INCREASED MOTOR RESOURCE - SO THEY HAVE A LONGER
SERVICE LIFE AND CAN WORK FOR A LONGER TIME WITHOUT A BREAK



DIESEL GENERATORS HEAVY DUTY SERIES

Könner & Söhnen® diesel generators of the "HEAVY DUTY" series have an increased motor resource - so they have a longer service life, can work for more hours without a break.

The new range includes interesting models equipped with a unique VTS phase switching system that allows one generator to be used as a single- and three-phase generator with almost no loss of power. Moreover, diesel generators are equipped with a ATS output for connecting an automatic transfer switch unit. All HEAVY DUTY series generators are equipped with a preheater that will help easily start the generator in winter time. The generators are also equipped with heavyduty 30 Ah batteries.

Generator power



5.0 – 7.5 kW

Voltage



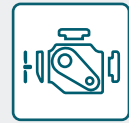
230V/400V

Engine start



MANUAL/ELECTRIC

Engine power



12 – 18 HP

✓ Maximum degree of equipment and user protection: automatic circuit breakers in case of overload or short circuit, generator grounding screw and connectors grounding in each outlet, automatic engine stop at low oil level.

✓ Control of all key indicators of working condition: display of frequency, voltage, low oil level indicator, fuel level sensor.



VTS phase switching system ensures almost equal power for single and three-phase consumers

LED-display: voltage, frequency, working hours

Pre-start heating procedure for an easy start (in cold season)

6-pin ATS input



Powerful and reliable engine Könnert & Söhnen®, engine life up to 3000 hours



3D REVIEW



REVIEW VIDEO OF GENERATOR IN WORK





DIESEL GENERATORS



PRE-START HEATING

HEAVY DUTY series diesel generators are equipped with a pre-heater that allows to effortlessly start the generator in winter.



ATS INPUT

The generator is suitable for connecting the ATS (automatic transfer switch) system. The ATS input features a 6-pin connector. The ATS (Automatic transfer switch) unit automatically starts the generator and transfers load to it when the main power supply is disconnected.



SYSTEM VTS

The unique innovative VTS system (voltage Transfer Switch) which allows you to use one generator both for single-phase (230 V) and three-phase appliances (400 V). Each mode has its own circuit breaker.



LED DISPLAY

Modern multifunction LED-display shows frequency, voltage and operating hours of the generator. Displayed information makes it easy to determine the generated voltage and maintain generator in time.



KS 6100HDE KS 6102HDE



Max power/Nom. power, 230 V	5,5 kW/5,0 kW
Voltage	230 V
Engine start	manual/electric
Outlets	1x32A (230 V), 2x16A (230 V)
Preheater	+
Battery	30 Ah
Net dimensions (LxWxH)	730x495x630 mm
Net weight	107 kg



KS 8100HDE KS 8102HDE



Max power/Nom. power, 230 V	6,5 kW/6,0 kW
Voltage	230 V
Engine start	manual/electric
Outlets	1x32A (230 V), 2x16A (230 V)
Preheater	+
Battery	30 Ah
Net dimensions (LxWxH)	730x495x630 mm
Net weight	117 kg



KS 8100HDE-1/3 ATSR KS 8102HDE-1/3 ATSR



Max power/Nom. power, 230 V	5,5/5,0 kW
Max power/Nom. power, 400 V	6,5/6,0 kW
Voltage	230 V/400V
Engine start	manual/electric
Outlets	1x32A (230 V), 2x16A (400 V)
Preheater	+
Battery	30 Ah
Net dimensions (LxWxH)	730x495x630 mm
Net weight	117 kg



KS 9100HDE-1/3 ATSR KS 9102HDE-1/3 ATSR



Max power/Nom. power, 230 V	6,5/6,0 kW
Max power/Nom. power, 400 V	7,5/7,0 kW
Voltage	230 V/400V
Engine start	manual/electric
Outlets	1x32A (230 V), 2x16A (400 V)
Preheater	+
Battery	30 Ah
Net dimensions (LxWxH)	730x495x630 mm
Net weight	122 kg



Engines of diesel generators meet the latest Euro 5 emission standard



FOR HOME

The wide range of Könnér diesel generators & Söhnen® allows you to choose a generator for any private house or a small commercial object.

It is a reliable backup power source that can power both single-phase and three-phase electricity consumers. Diesel generators have more economical fuel consumption, so it is a cost-effective purchase in the case of frequent or long-term outages of the central power supply.

Power outages are getting worse in winter, especially in suburban areas and can lead to breakdowns of household electrical appliances. All Könnér & Söhnen® diesel generators are equipped with a pre-start heating function for easy start at a cold season.





DIESEL GENERATORS HEAVY DUTY SERIES

Exclusive models of **HEAVY DUTY Silent Diesel Generator** series - diesel generators in a soundproof anti-vandal housing. These models have many advantages compared to ordinary diesel generators. Thanks to their robust housing, the generators have reduced noise level, additional protection from all weather conditions, dust and dirt.

Like other generators of HEAVY DUTY series, these models feature increased service life (up to 3000 operating hours), pre-start heating, which is especially necessary for startup during the cold season. In addition, generators are suitable for connecting the ATS unit (Automatic Transfer Switch). Models which have 1/3 in model name are equipped with a unique VTS phase switching system. We are sure that our generators will become your reliable assistants.

Generator power



5.0 – 8.0 kW

Voltage



230V/400V

Soundproof housing

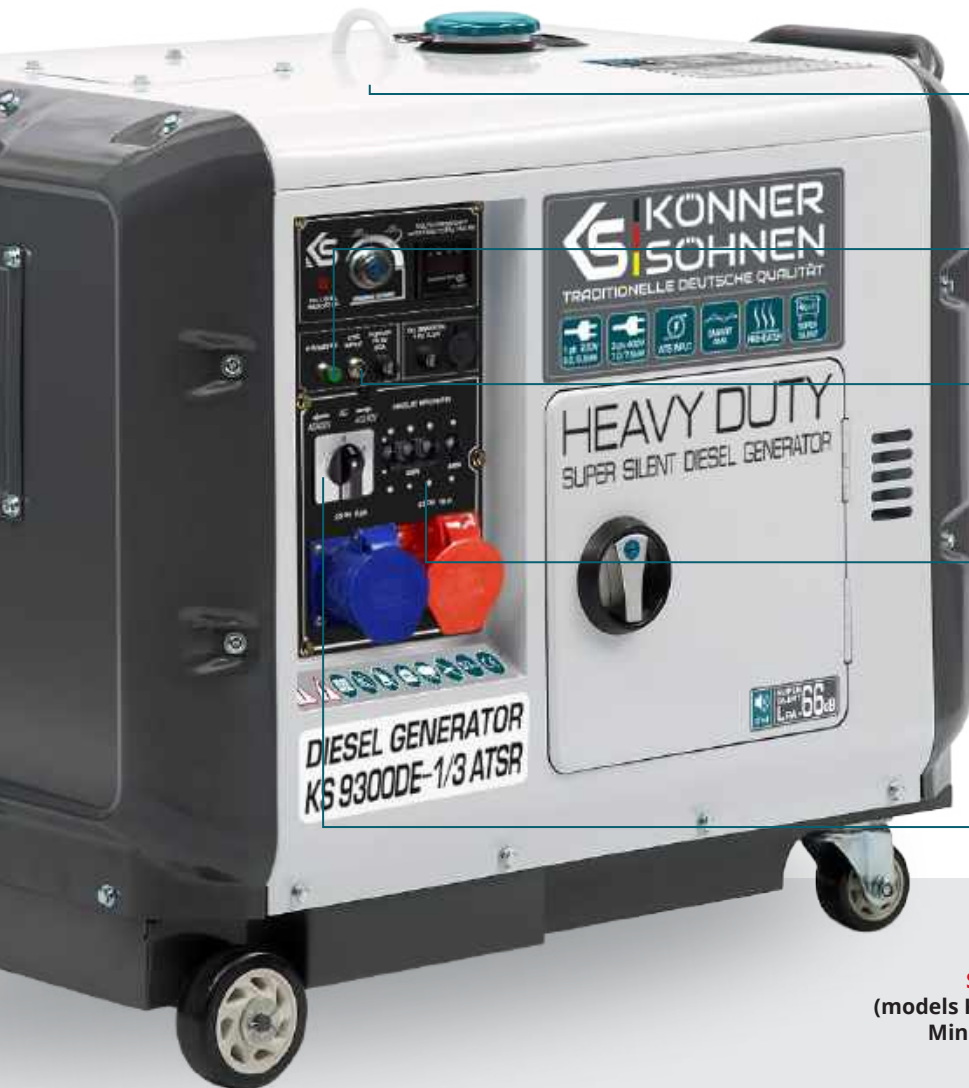


Lpa (7m) – 66 dB

Preheater



**EASY START
IN COLD SEASON**



Soundproof anti-vandal housing

Pre-start heating procedure for an easy start (in cold season)

6-pin ATS input

Circuit breaker. Overload and short circuit protection



VTS phase switching system ensures almost equal power for single and three-phase consumers

SUPER SILENT DIESEL GENERATORS
(models KS 9300DE 1/3 ATSR, KS 11-2DE ATSR)
Minimum noise level of Lpa (7m) - 66 dB





DIESEL GENERATORS



HOUSING

All-season soundproof anti-vandal housing provides effective protection for the generator and extends its service life. The housing is equipped with handles and casters for easy handling. Models of the Super Silent series with a minimal noise level, provide the most comfortable use.



USER-FRIENDLY ERGONOMIC CONTROL PANEL

The ergonomic generator control panel allows easy operation thanks to the convenient location of all functions: modern LED-display (hour meter, frequency, voltage), electric start, overload circuit breaker, low oil level sensor, outlets, grounding connector, etc.



VTS SYSTEM

Universal generators 2 in 1 have a unique VTS (Voltage Transfer Switch) phase switching system, which allows using a single generator both in single-phase (230V) and in three-phase mode (400V) with almost no loss of power. Each mode has its own circuit breakers. There is no need to use two separate generators.



SUITABLE FOR CONNECTING ATS

The generator is suitable for connecting the ATS (Automatic transfer switch) unit. The ATS input features a 6-pin connector. The ATS (Automatic transfer switch) unit automatically starts the generator and transfers load to it when the main power supply is disconnected.



KS 820HDES-1/3 ATSR

Max power/Nom. power, 230 V	5,5/5,0 kW
Max power/Nom. power, 400 V	6,5/6,0 kW
Voltage	230 V / 400 V
Engine start	electric
Outlets	1x32A (230 V) 1x16A (400 V)
Preheater	+
Battery	30 Ah
Net dimensions (LxWxH)	900x545x905 mm
Net weight	163 kg



KS 920HDES-1/3 ATSR KS 9202HDES-1/3 ATSR

Max power/Nom. power, 230 V	6,5/6,0 kW
Max power/Nom. power, 400 V	7,5/7,0 kW
Voltage	230 V / 400 V
Engine start	electric
Outlets	1x32A (230 V) 1x16A (400 V)
Preheater	+
Battery	30 Ah
Net dimensions (LxWxH)	900x545x905 mm
Net weight	168 kg



 Engines of diesel generators meet the latest Euro 5 emission standard



SUPER SILENT DIESEL GENERATORS

Models of the KS 9300 and KS 11-2 series are equipped with a specially designed soundproof, anti-vandal casing of increased hardness, which ensures the most comfortable use in heavy duty conditions with a **minimum noise level** of L_{pa} (7m) 66 dB.



Soundproof housing:

- ✓ Noise-absorbing material for ensuring quieter operation of generator
- ✓ Protection of the engine from accidental entry of foreign objects (branches, leaves, construction debris, etc.)
- ✓ Electrostatic anti-corrosion ANTI-SCRATCH coating extends the operation life of the unit
- ✓ Equipped with locks to protect from unauthorized intervention
- ✓ Equipped with handles and transport wheels for convenient movement

DIESEL GENERATORS

KS 9300DE-1/3 ATSR KS 9302DE-1/3 ATSR	
Max power/Nom. power, 230 V	6,5/6,0 kW
Max power/Nom. power, 400 V	7,5/7,0 kW
Voltage	230 V / 400 V
Engine start	electric
Outlets	1x32A (230 V) 1x16A (400 V)
Preheater	+
Battery	30 Ah
Net dimensions (LxWxH)	1080x550x800 mm
Net weight	168 kg



KS 11-2DE ATSR	
Max power 230 V	8,0 kW
Nominal power 230 V	7,5 kW
Voltage	230 V
Engine start	electric
Outlets	1x32A (230 V) 2x16A (230 V)
Preheater	+
Battery	30 Ah
Net dimensions (LxWxH)	1100x600x750 mm
Net weight	216 kg



Engines of diesel generators meet the latest Euro 5 emission standard

TWO-CYLINDER DIESEL GENERATORS

Constantly improving and continuing to develop diesel generators of **HEAVY DUTY series**, our German engineers have prepared for you a new line of professional two-cylinder mobile mini-power plants from Könnert & Söhne® with a capacity of 7.7 kW - 11.25 kVA.

KS 13-DEW generator models are equipped with modern high-power two-cylinder V-type engines with water cooling (18 hp) and have two types of execution: in a sound-proof anti-vandal case or an open frame. All generators of this series have the ability to connect an ATS system (automatic transfer switch).

2-cylinder engine



18 HP

Water cooling



ENGINES

Generator power



7.7 kW – 11.25 kVA

Voltage



230V/400V

Water cooled engines:

- ✓ One of the most important advantages of this system is the high efficiency of heat dissipation, which ensures a stable heat exchange even with an abrupt change in the engine load duty.
- ✓ The continuous running time of a water-cooled engine is longer than that of an air-cooled engine.

- ✓ They have a longer service life compared to aircooled engines.
- ✓ They produce fewer emissions of harmful substances due to engine operation at optimal temperatures.

Strong soundproof anti-vandal housing with electrostatic painting ANTI-SCRATCH (corrosion protection)



External emergency stop button

VTS phase switching system ensures almost equal power for single- and three-phase consumers (for models KS 13-1DEW 1/3 ATSR, KS 13-2DEW 1/3 ATSR)

6-pin ATS input

Multifunctional digital control unit SmartGen or LED-display: voltage, frequency, working hours



REVIEW VIDEO
OF GENERATOR
IN WORK





DIESEL GENERATORS



POWERFUL AND RELIABLE ENGINE

High-performance two-cylinder water-cooled engine (18 HP) has a V-type cylinder arrangement, which provides reduced vibration of the generator during operation and has an increased engine life.



ERGONOMIC CONTROL PANEL

The control panel with conveniently arranged functions enables use-friendly control of the generator and monitoring of all main operation parameters. KS 13-2DEW models are equipped with a SmartGen multifunction digital control unit that protects the engine from over- and undervoltage, under- and underfrequency, low oil pressure, overload and engine overheating.



ABILITY TO CONNECT ATS

The generator has the ability to connect the ATS unit (automatic transfer switch). The ATS input has a 6-pin connector.



VTS SYSTEM

Universal generators 2 in 1 have a unique VTS (Voltage Transfer Switch) phase switching system, which allows using a single generator both in single-phase (230V) and in three-phase mode (400V) with almost no loss of power. Each mode has its own circuit breaker. There is no need to use two separate generators.



TWO-CYLINDER DIESEL GENERATORS

Developing the assortment of **HEAVY DUTY series diesel mobile power plants**, we expanded the line with professional diesel generators with a capacity of 9,5 kW - 13,75 kVA based on modern air-cooled twin-cylinder engines (21 hp).

All generators of this series have the ability to connect the ATS unit (automatic transfer switch) and control all key indicators of the operating state: overload and short circuit protection, automatic engine stop at low oil level, fuel level sensor. KS 14-2DE ATSR and KS 14-2DE 1/3 ATSR models are equipped with the SmartGen multifunction device, that protects the engine from over- and undervoltage, over- and underfrequency, low oil pressure, overload and engine overheating.

2-cylinder engine



21 HP

Air cooling



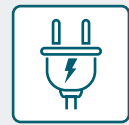
ENGINES

Generator power



9.5 kW – 13.75 kVA

Voltage



230V/400V

Multifunctional digital control unit SmartGen or LED-display: voltage, frequency, working hours

Electrostatic painting ANTI-SCRATCH (corrosion protection)

External emergency stop button

VTS phase switching system ensures almost equal power for single- and three-phase consumers (for model KS 14-2DE 1/3 ATSR)

6-pin ATS input

Engine life up to 3000 hours

Strong soundproof anti-vandal housing, which provides a minimum noise level of 68 dB

9.5 kW - 13.75 kVA
POWERFUL DIESEL GENERATORS
BASED ON TWO-CYLINDER ENGINES





HIGH-PERFORMANCE TWO-CYLINDER ENGINE

High-performance and robust two-cylinder air-cooled engine (21 hp). The engine design is optimally balanced thanks linear arrangement of cylinders, which ensure reduced vibration of the generator during operation, facilitates long and stable operation of the generator.



PROTECTIVE ANTI-VANDAL HOUSING

All-weather antivandal housing provides effective protection for the device and extends its service life. The generator has an external emergency stop button. In addition, the casing is equipped with wheels for easy transportation.



ERGONOMIC CONTROL PANEL

Convenient ergonomic control panel allows easy control of the whole device. The generator has the ability to connect ATS (Automatic Transfer Switch) and equipped with a VTS phase switching system, which allows using a single generator both in single-phase (230V) and in three-phase mode (400V) with almost no loss of power.



CONTACT BAR

Powerful two-cylinder models of Könnér & Söhnen® diesel generators are equipped with high-quality contact bars for connecting electric cables, which allow you to receive the full power delivered by the unit.

TWO-CYLINDER DIESEL GENERATORS

KS 13-1DEW 1/3 ATSR



Max power/Nom. power, 230 V	8,1/7,7 kW
Max power/Nom. power, 400 V	11,25/10,63 kVA
Voltage	230 V / 400 V
Engine start	electric
Outlets	1x16A (230 V), 1x32A (230 V), 1x16A (400 V), 1x32A (400 V)
Preheater	+
Battery	45 Ah
Net dimensions (LxWxH)	1050x640x700 mm
Net weight	210 kg



KS 13-2DEW ATSR



Max power 230 V	9,0 kW
Nominal power 230 V	8,5 kW
Voltage	230 V
Engine start	electric
Outlets	1x63A (230 V), 1x32A (230 V), 2x16A (230 V), contact bar
Preheater	+
Battery	45 Ah
Net dimensions (LxWxH)	1250x650x760 mm
Net weight	310 kg



KS 13-2DEW 1/3 ATSR



Max power/Nom. power, 230 V	8,1/7,7 kW
Max power/Nom. power, 400 V	11,25/10,63 kVA
Voltage	230 V / 400 V
Engine start	electric
Outlets	1x16A (230 V), 1x32A (230 V), 1x16A (400 V), 1x32A (400 V) contact bar
Preheater	+
Battery	45 Ah
Net dimensions (LxWxH)	1250x650x760 mm
Net weight	310 kg



KS 14-1DE ATSR



Max power 230 V	11,0 kW
Nominal power 230 V	10,5 kW
Voltage	230 V
Engine start	electric
Outlets	1x63A (230 V), 1x32A (230 V), 2x16A (230 V),
Preheater	+
Battery	45 Ah
Net dimensions (LxWxH)	1050x640x700 mm
Net weight	220 kg



KS 14-2DE ATSR



Max power 230 V	11,0 kW
Nominal power 230 V	10,5 kW
Voltage	230 V
Engine start	electric
Outlets	1x63A (230 V), 1x32A (230 V), 2x16A (230 V), contact bar
Preheater	+
Battery	45 Ah
Net dimensions (LxWxH)	1250x650x760 mm
Net weight	320 kg



KS 14-2DE 1/3 ATSR



Max power/Nom. power, 230 V	10,0/9,5 kW
Max power/Nom. power, 400 V	13,75/13,1 kVA
Voltage	230 V / 400 V
Engine start	electric
Outlets	1x16A (230 V), 1x32A (230 V), 1x16A (400 V), 1x32A (400 V) contact bar
Preheater	+
Battery	45 Ah
Net dimensions (LxWxH)	1250x650x760 mm
Net weight	320 kg





KS 6100HDE
KS 6102HDE







KS 8100HDE
KS 8102HDE



KS 8100HDE-1/3 ATSR
KS 8102HDE-1/3 ATSR



KS 9100HDE-1/3 ATSR
KS 9102HDE-1/3 ATSR

Voltage, V	230	230	230	400	230	400
Max power, kW	5,5	6,5	5,5	6,5	6,5	7,5
Nominal power, kW	5,0	6,0	5,0	6,0	6,0	7,0
Frequency, Hz	50	50	50		50	
Current, A (max)	23,91	28,26	23,04	11,74	27,83	13,54
Outlets	1x16A 1x32A	1x16A 1x32A	1 x 16A (400 V) 1 x 32A (230 V)		1 x 16A (400 V) 1 x 32A (230 V)	
Fuel tank volume, l	11	11	11		11	
Working time at 50% load*, h	8,5	6,9	6,9		6,1	
LED display	voltage, frequency, working hours					
Noise level Lpa (7m)/Lwa, dB	71/96	71/96	71/96		71/96	
Power output DC, V/A	12/8,3	12/8,3	12/8,3		12/8,3	
Engine model	KS 440HD KS 440HD-V	KS 480HD KS 480HD-V	KS 480HD KS 480HD-V		KS 520HD KS 520HD-V	
Engine type	diesel powered one-cylinder, four-stroke air-cooled					
Engine power, hp/kW	12,0/8,83	14,0/10,3	14,0/10,3		18,0/13,24	
Crank case volume, l	1,65	1,65	1,65		1,65	
Engine cylinder volume, cm ³	418	456	456		498	
Power output controller	intelligent voltage stabilization system AVR					
Engine start	manual/electric	manual/electric	manual/electric		manual/electric	
Power factor, cos φ	1,0 (230 V)	1,0 (230 V)	1,0 (230 V)	0,8 (400 V)	1,0 (230 V)	0,8 (400 V)
Diameter of the frame	32 mm, round					
Battery, Ah	30	30	30		30	
Ability to connect ATS	-	-	+		+	
Preheater	+	+	+		+	
Net dimensions (LxWxH), mm	730x495x630	730x495x630	730x495x630		730x495x630	
Gross dimensions (LxWxH), mm	750x550x670	750x550x670	750x550x670		750x550x670	
Net weight, kg	107	117	117		122	
Gross weight, kg	115	125	125		130	
Protection class	IP23M					
QR code						

*Fuel consumption depends on many factors, such as load, fuel quality, season, altitude, technical condition of the generator.



Könnert & Söhne® engines are reliable, high-performance and cost-effective, and conform to European quality standards, including the latest **standard of emission EURO 5**.



Automatic transfer switch. The generator has the ability to connect the ATS system (automatic transfer switch). The ATS input has a 6-pin connector.



Voltage, V	230	400	230	400	230	400	230
Max power, kW	5,5	6,5	6,5	7,5	6,5	7,5	8,0
Nominal power, kW	5,0	6,0	6,0	7,0	6,0	7,0	7,5
Frequency, Hz	50		50		50		50
Current, A (max)	23,91	11,74	28,26	13,54	28,26	13,54	34,78
Outlets	1 x 16A (400 V) 1 x 32A (230 V)		1 x 16A (400 V) 1 x 32A (230 V)		1 x 32A (230 V) 1 x 16A (400 V)		1x32A, 2x16A
Fuel tank volume, l	20		20		20		20
Working time at 50% load*, h	12,5		11,1		11,1		13,2
LED display	voltage, frequency, working hours						
Noise level Lpa (7m)/Lwa, dB	69/94		69/94		66/91		64/89
Power output DC, V/A	12/8,3		12/8,3		12/8,3		12/8,3
Engine model	KS 480HD-V		KS 520HD KS 520HD-V		KS 520HD KS 520HD-V		KS 690HD
Engine type	diesel powered one-cylinder, four-stroke air-cooled						
Engine power, hp/kW	14,0/10,3		18,0/13,24		18,0/13,24		15,0/11,03
Crank case volume, l	1,65		1,65		1,65		1,65
Engine cylinder volume, cm ³	456		498		498		668
Power output controller	intelligent voltage stabilization system AVR						
Engine start	electric		electric		electric		electric
Power factor, cos φ	1,0 (230 V)		1,0 (230 V)	0,8 (400 V)	1,0 (230 V)	0,8 (400 V)	1,0 (230 V)
Housing	soundproof housing						
Battery, Ah	30		30		30		30
Ability to connect ATS	+		+		+		+
Preheater	+		+		+		+
Net dimensions (LxWxH), mm	900x545x905		900x545x905		920x580x860		1100x600x750
Gross dimensions (LxWxH), mm	960x550x960		960x550x960		940x600x880		1150x650x850
Net weight, kg	163		168		168		216
Gross weight, kg	173		178		180		230
Protection class	IP23M						
QR code							

*Fuel consumption depends on many factors, such as load, fuel quality, season, altitude, technical condition of the generator.

VTS **Voltage transfer switch system.** Allows using the generator both in three-phase mode (400V) and in single-phase mode (230V) without almost no loss of power.

SUPER SILENT. Models of the Super Silent series with a minimal noise level, provide the most comfortable use.

DIESEL GENERATORS






KS 13-1DEW 1/3 ATSR



KS 13-2DEW ATSR



KS 13-2DEW 1/3 ATSR

Voltage, V	230	400	230	230	400
Max power, kW	8,1 kW	11,25 kVA	9,0 kW	8,1 kW	11,25 kVA
Nominal power, kW	7,7 kW	10,63 kVA	8,5 kW	7,7 kW	10,63 kVA
Frequency, Hz	50		50	50	
Current, A (max)	36,96	16,26	39,13	36,96	16,26
Outlets	1x32A (230 V), 1x16A (230 V) 1x32A (400 V), 1x16A (400 V)		1x63A (230 V), 1x32A (230 V), 2x16A (230 V), contact bar	1x32A (230 V), 1x16A (230 V) 1x32A (400 V), 1x16A (400 V) contact bar	
Fuel tank volume, l	30		25	25	
Working time at 50% load*, h	13,6		11,4	11,4	
LED display	voltage, frequency, working hours		multifunction digital control unit SmartGen		
Noise level Lpa (7m)/Lwa, dB	73/98		67/92	67/92	
Power output DC, V/A	+		-	-	
Engine model	KS 820HD		KS 820HD	KS 820HD	
Engine type	diesel V-type 2 cylinder, 4 stroke water-cooled				
Engine power, hp/kW	18/13,24		18/13,24	18/13,24	
Crank case volume, l	3,3		3,3	3,3	
Coolant volume, l	3,5		3,5	3,5	
Engine cylinder volume, cm ³	794		794	794	
Power output controller	intelligent voltage stabilization system AVR				
Engine start	electric		electric	electric	
Power factor, cos φ	1,0 (230 V)	0,8 (400 V)	1,0 (230 V)	1,0 (230 V)	0,8 (400 V)
Housing	soundproof housing				
Battery, Ah	45		45	45	
Ability to connect ATS	+		+	+	
Preheater	+		+	+	
Net dimensions (LxWxH), mm	1050x640x700		1250x650x760	1250x650x760	
Gross dimensions (LxWxH), mm	1100x680x820		1300x700x880	1300x700x880	
Net weight, kg	210		310	310	
Gross weight, kg	240		345	345	
Protection class	IP23M				
QR code					

*Fuel consumption depends on many factors, such as load, fuel quality, season, altitude, technical condition of the generator.



Water cooling. The main advantage of water cooling of the engine is the effective removal of a larger the amount of heat, which contributes to the extension of generator's service life.



Preheater. Pre-start heating procedure for an easy start (in cold season).



KS 14-1DE ATSR



KS 14-2DE ATSR



KS14-2DE 1/3 ATSR

Voltage, V	230	230	230	400
Max power, kW	11,0 kW	11,0 kW	10,0 kW	13,75 kVA
Nominal power, kW	10,5 kW	10,5 kW	9,5 kW	13,1 kVA
Frequency, Hz	50	50	50	
Current, A (max)	47,83	47,83	43,48	19,87
Outlets	1x63A (230 V), 1x32A (230 V), 2x16A (230 V)	1x63A (230 V), 1x32A (230 V), 2x16A (230 V) contact bar	1x32A (230 V), 1x16A (230 V) 1x32A (400 V), 1x16A (400 V) contact bar	
Fuel tank volume, l	30	25	25	
Working time at 50% load*, h	11,5	9,6	9,6	
LED display	voltage, frequency, working hours	multifunction digital control unit SmartGen		
Noise level Lpa (7m)/Lwa, dB	74/99	68/93	68/93	
Power output DC, V/A	+	-	-	
Engine model	KS 1020HD	KS 1020HD	KS 1020HD	
Engine type	diesel powered two-cylinder, four-stroke air-cooled			
Engine power, hp/kW	21/15,45	21/15,45	21/15,45	
Crank case volume, l	2,8	2,8	2,8	
Engine cylinder volume, cm ³	997	997	997	
Power output controller	intelligent voltage stabilization system AVR			
Engine start	electric	electric	electric	
Power factor, cos φ	1,0 (230 V)	1,0 (230 V)	1,0 (230 V)	0,8 (400 V)
Housing	soundproof housing			
Battery, Ah	45	45	45	
Ability to connect ATS	+	+	+	
Preheater	+	+	+	
Net dimensions (LxWxH), mm	1050x640x700	1250x650x760	1250x650x760	
Gross dimensions (LxWxH), mm	1100x680x820	1300x700x880	1300x700x880	
Net weight, kg	220	320	320	
Gross weight, kg	240	345	345	
Protection class	IP23M			
QR code				

*Fuel consumption depends on many factors, such as load, fuel quality, season, altitude, technical condition of the generator.



Air cooling. Powerful two-cylinder 4-stroke engine with air cooling (21 hp)



Voltage transfer switch system. Allows using the generator both in three-phase mode (400V) and in single-phase mode (230V) without almost no loss of power.

FACTS ABOUT K&S GENERATORS

✓ THE QUALITY IS UNDER CONTROL

We constantly monitor the production process of equipment, even for models, which quality is proved by time. From each order we take about 25% of each Könnner & Söhnen® diesel generator article and additionally test them in our own service center in Europe. In this way, we check the proper quality of the batch before it is accepted for sale. All Könnner & Söhnen® equipment has European quality certificates, including the modern EURO 5 standard.

✓ FULL POWER

The power range of Könnner & Söhnen® diesel generators allows you to choose the ideal model for your home or small business. Universal models are suitable for single-phase and three-phase devices, equipped with protected power sockets for convenient external connecting of consumers with the possibility of receiving the full power produced by the device. The delivery set includes power plugs corresponding to each outlet.

✓ START-UP ASSISTANT

We offer customers a whole package of materials-assistants for commissioning and first start-up, namely a detailed photo manual with a step-by-step process of preparation and start-up generator and video materials that carefully show the entire process of starting both manual and electric start. In addition, the delivery set includes technical instructions for installation and assembly, and a short text hint for starting is attached to the generator, if necessary to remind the sequence of actions.



AUTOMATIC TRANSFER SWITCH

The **ATS** (automatic transfer switch) **unit** automatically starts the generator and transfers the load to it when the main power source is turned off and automatically stops the generator when the central power supply is restored.

Diesel generators with electric starters are equipped with a connector for an automatic transfer switch unit (ATS input). The ATS unit has a controller that allows you to program the time before the generator automatically starts in the case of a power outage, the generator warm-up time before connecting the load and signals an error. ATS unit has an emergency stop button. It can operate both in automatic and in manual mode.

6-pin input for ATS

KS ATS 1/40HD



Power	9,2 kW
Voltage	230 V
Current (Max) 230 V	40 A
Net dimensions (LxWxH)	345x250x180 mm
Net/Gross weight	6,7/7,1 kg



6-pin input for ATS

KS ATS 4/63HD



Power 230 V	14,4 (28,8) kW
Power 400 V	34,8 kW
Voltage	230 V/400V
Current (Max) 230 V	63 (120) A
Current (Max) 400 V	63 A
Net dimensions (LxWxH)	400x320x190 mm
Net/Gross weight	8,4/8,8 kg



DIESEL GENERATORS



PROGRAMMABLE LOGIC CONTROLLER OF THE ATS UNIT:

- Automatic/manual operation
- Programming of engine starting time after power outage
- Programming of engine warm-up time before connecting the appliances
- Setting of starter operation time
- Battery charging when the generator is off

TRANSPORTATION KIT

KS 6-9 KIT



Suitable for all modifications of diesel generators with open frame: KS 6000, KS 8000, KS 9000

Wheels	4 pcs
Net/Gross weight	3,0/3,2 kg



INVERTER GENERATORS

Updated wide model range of inverter generators Könnert & Söhne® with extended functionality and power range **from 1.8 to 8.5 kW** includes dual-fuel models (LPG/gasoline), models with the possibility of connecting ATS unit (automatic transfer switch), models with a minimum noise level **Lpa (7m) from 62 dB**.

Built-in electronic unit with microprocessor control monitors the operation of the generator and provides the most stable 50 Hz frequency and a voltage of 230 V, which is best suitable for sensitive and high precision electronics.



TRADITIONS OF GERMAN QUALITY
ARE AFFORDABLE FOR EVERYBODY!

**KÖNNER
SÖHNEN**

 **1,8 kW – 8,5 kW**



INVERTER GENERATORS

**KÖNNER & SÖHNEN® INVERTER GENERATORS
ARE THE BEST SOLUTION FOR THE RELIABLE
OPERATION OF MODERN SENSITIVE EQUIPMENT**



INVERTER GENERATORS

Inverter gasoline powered generators are a user-friendly portable source of energy. The range of inverter generators features models with a power range from 1,8 to 8,5 kW. Double conversion of electric energy provides the pure sine wave and frequency of 50 Hz, which ensures reliable operation of sensitive and high-precision electronics: computers, electronic measuring instruments, medical devices, heating boilers, etc.

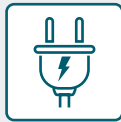
All generators are based on robust Könnert & Söhnen® gasoline engines manufactured under license of Dimax International GmbH (Germany), which have passed many-hours-long and multiple-level quality tests and found compliant with all European quality standards, including the latest EURO 5 emission standard. Engines of inverter generators from Könnert & Söhnen® have an Economy mode, which allows using the generator at low speeds and reduces fuel consumption by up to 50%. The wide updated range will help to pick up a model even for the most demanding consumer. Parallel connection of two generators ensures total output of nominal power of two generators.

Generator power



1,8 kW–8,5 kW

Voltage



230V

Engine start



MANUAL/ELECTRIC

Engine power

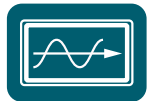


2,5–16 HP

ECONOMY MODE switch

LED display: operating hours, frequency, voltage, oil alarm

PURE SINE WAVE



Exclusive design. Soundproof housing with minimal noise level (Lpa (7m) = 66 dB)

3-in-1 easy engine start system

8-pin ATS input (optional)

Two USB ports 5 V/1 A, 5 V/2.1 A

Powerful and reliable EURO 5 engine of Könnert & Söhnen®



Possibility for parallel connection (additional device for double power receiving)



3D REVIEW

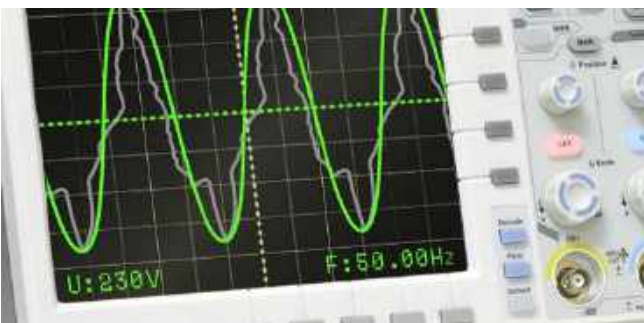


REVIEW VIDEO OF GENERATOR IN WORK





INVERTER GENERATORS



PURE SINE WAVE

The integrated microprocessor- controlled electronic unit controls the generator operation and provides the most stable frequency of 50 Hz and voltage of 230 V. This makes the generator ideally suited for sensitive and high-precision electronics, electronic measuring instruments, medical devices, heating boilers, etc.



ECONOMY MODE

Engines of inverter generators from Könnér & Söhnen® have an ECONOMY MODE. This mode allows using the inverter generator at low speeds and reduces fuel consumption by up to 50%. The air choke control system adjusts the engine speed depending on the load.



3-IN-1 EASY ENGINE START SYSTEM

3-in-1 universal engine switch for the easiest and most convenient start of the generator combines the functions of a fuel valve, an air choke and an electric engine start.



HOUSING

Inverter generators from Könnér & Söhnen® have two types of execution: soundproof housing with a minimum noise level and a more economical execution with an open frame.



INVERTER GENERATORS

KS 2000i S



Max/Nominal power	2,0 kW/1,8 kW
Voltage	230 V
Engine start	manual
Outlets	1x16A
Net dimensions (LxWxH)	480x280x460 mm
Net weight	19 kg



KS 2100i S



Max/Nominal power	2,0 kW/1,8 kW
Voltage	230 V
Engine start	manual
Outlets	1x16A
Net dimensions (LxWxH)	480x290x430 mm
Net weight	18,5 kg



KS 3100i S



Max/Nominal power	3,1 kW/2,8 kW
Voltage	230 V
Engine start	manual
Outlets	1x16A
Net dimensions (LxWxH)	480x290x430 mm
Net weight	21,5 kg



KS 3300i



Max/Nominal power	3,3 kW/3,0 kW
Voltage	230 V
Engine start	manual
Outlets	2x16A
Net dimensions (LxWxH)	435x375x455 mm
Net weight	25,5 kg



*For models KS 2100i S, 3100i S and 5500iES ATSR cables for parallel connection included.

GENERATOR PARALLEL CONNECTION UNIT

KS PU1 generator parallel connection box from Könnér & Söhnen® allows to increase the total output power of generators by connecting two inverter generators together.

KS PU1

Voltage	230 V
Sockets	1x16A, 1x32A
Circuit breaker	+
Maximum power	7 kW
Cable length	2x80 cm
Cable	AWG 2,08 mm ²
Net weight	1,37 kg





FOR CAMPING

In modern life, we can't imagine a comfortable vacation without gadgets: mobile phones, laptops, cameras or radios, as well as equipment for storing and preparing food (portable refrigerator and electric grill). Inverter generators from Könnér & Söhnen TM produce current with a pure sine wave and a frequency of 230V 50 Hz, so they are ideal for charging modern sensitive devices.

Inverter generators in a sound-proof housing are characterized by quiet operation with a minimum noise level of Lpa(7m) 62 dB. They do not cause discomfort neither to the owner nor to others, so they can be safely used for active recreation in nature, as well as for out-of-town trade or concert events, etc.





INVERTER GENERATORS

ABILITY TO CONNECT ATS

Inverter generators from Könnér & Söhnen® with the possibility of connecting the ATS system (Automatic Transfer Switch). The ATS is purposed for automatic start of the generator set in the event of interruption or failure of the main power source, as well as for stopping the generator after power supply has been restored.



KS 4000iE S

Max/Nominal power	4,0 kW/3,5 kW
Voltage	230 V
Engine start	manual/electric
ATS input	+
Outlets	2x16A
Net dimensions (LxWxH)	620x440x510 mm
Net weight	40 kg



KS 4100iE

Max/Nominal power	4,0 kW/3,6 kW
Voltage	230 V
Engine start	manual/electric
ATS input	+
Outlets	2x16A
Net dimensions (LxWxH)	530x410x430 mm
Net weight	36,7 kg



KS 5500iES ATSR

Max/Nominal power	5,5 kW/5,0 kW
Voltage	230 V
Engine start	manual/electric
ATS input	+
Outlets	1x16A, 1x32A
Net dimensions (LxWxH)	610x470x535 mm
Net weight	52 kg



KS 6000iE S

Max/Nominal power	5,5 kW/5,0 kW
Voltage	230 V
Engine start	manual
ATS input	+
Outlets	1x16A, 1x32A
Net dimensions (LxWxH)	590x390x547 mm
Net weight	39,5 kg



KS 8100iE ATSR

Max/Nominal power	8,5 kW/8,0 kW
Voltage	230 V
Engine start	electric
ATS input	+
Outlets	1x16A, 1x32A
Net dimensions (LxWxH)	600x510x560 mm
Net weight	68 kg



*For models KS 2100i S, 3100i S and 5500iES ATSR cables for parallel connection included.



8-pin input for ATS

7-pin input for ATS

	KS ATS 4/25 Gasoline	KS ATS 4/25 Inverter
Power 230 V	5,75 (11,5) kW	5,75 (11,5) kW
Power 400 V	13 kW	13 kW
Voltage	230 V/400 V	230 V/400 V
Current (Max) 230V	25A (50A)	25A (50A)
Current (Max) 400V	25A (50A)	25 A
Net dimensions (LxWxH)	320x250x140 mm	320x250x140 mm
Net weight	6,0 kg	4,9 kg



Model KS ATS 4/25 Gasoline is compatible with inverter generators KS 4000iE S, KS 4100iE and KS 8100iE ATSR.

Model KS ATS 4/25 Inverter is compatible only with inverter generator KS 5500iE S ATSR.

EXCLUSIVE NOVELTY!

BUILT-IN ATS SYSTEM (AUTOMATIC TRANSFER SWITCH)



A unique novelty! Inverter generators Könnér & Söhnen® with **built-in ATS system** (automatic transfer switch).

This system allows generator to monitor central power availability and to automatically switch itself on when the electricity is turned off and then automatically switch off when the power is available again. The function becomes irreplaceable and extremely convenient in buildings with severe temperature or light conditions in the absence of personnel control.

These generators do not require any additional sophisticated equipment to use ATS system. ATS unit is already built into the generator, installation is as simple as possible and the cost of these models is highly affordable.



KS 4000iE S ATS

Max/Nominal power	4,0 kW/3,5 kW
Voltage	230 V
Engine start	manual/electric/auto
ATS	built-in ATS
Outlets	2x16A
Net dimensions (LxWxH)	620x440x510 mm
Net weight	40 kg



KS 6000iE S ATS

Max/Nominal power	5,5 kW/5,0 kW
Voltage	230 V
Engine start	manual/electric/auto
ATS	built-in ATS
Outlets	1x32A
Net dimensions (LxWxH)	590x390x547 mm
Net weight	40 kg



INVERTER GENERATORS



LPG/GASOLINE INVERTER GENERATORS

DUAL FUEL series LPG/gasoline generators from Könnér & Söhnen® can run on both gasoline and liquefied gas (propane-butane). The package includes everything you need to use LPG as fuel.



DUAL FUEL generators from Könnér & Söhnen® are equipped with a hose with a reducer (DIN 477 standard) for connecting to a gas cylinder. The reducer ensures the reliability of the gas connection.

All models are based on robust engines, which meet all European quality standards, including EURO 5. Engines of K&S inverter generators have an Economy mode, which allows using the generator at low speeds and reduces fuel consumption by up to 50%. Alternator with copper winding and high-performance K&S engine guarantee trouble-free and long-term operation and meet all European quality standards. The LED display makes it possible to monitor the operation of the generator and to carry out its maintenance in time.

Generator power



1,8 kW–8,5 kW

Voltage



230V

Engine start



MANUAL/ELECTRIC

Engine power



2,5–16 HP

Hosepipe with reducer (standard DIN 477)

LED display: operating hours, frequency, voltage, oil alarm

Soundproof housing with minimal noise level

Output for gas cylinder connection



Powerful and reliable EURO 5 engine of Könnér & Söhnen®

ECONOMY MODE switch

Generator parallel connection outputs



3D REVIEW



REVIEW VIDEO OF GENERATOR IN WORK





INVERTER GENERATORS



LPG/GASOLINE

The generator runs on both gasoline and liquefied gas (propane-butane) and includes everything necessary for using LPG as fuel: a hosepipe with reducer, which provides a reliable connection of a gas cylinder. Just connect the generator to the gas cylinder and start the engine.



ECONOMY MODE

The ergonomic control panel is equipped with a fuel economy mode switch. This mode reduces fuel consumption by up to 50% at small loads due to lower engine revolutions.



HIGH QUALITY ALTERNATOR

Könnér & Söhnen® inverter generators are equipped with a robust brushless alternator with 100% copper winding.



ECONOMICAL CHOICE

In addition to use with a conventional portable gas cylinder, dual-fuel generators of the trademark Könnér & Söhnen® can be connected to the existing distribution LPG system (propane, butane) with a pressure of 30-50 mBar (the hose for connecting to such a system is not included in the delivery set). If necessary, dual fuel models can be easily switched to work on gasoline.



LPG/GASOLINE INVERTER GENERATORS

KS 2000iG S



Max power	2,0 kW*
Nominal power	1,8 kW*
Voltage	230 V
Engine start	manual
Outlets	1x16A
Net dimensions (LxWxH)	500x285x460 mm
Net weight	19 kg



KS 2100iG S



Max power	2,1 kW*
Nominal power	1,8 kW*
Voltage	230 V
Engine start	manual
Outlets	1x16A
Net dimensions (LxWxH)	480x290x430 mm
Net weight	19 kg



KS 3100iG S



Max power	3,1 kW*
Nominal power	2,8 kW*
Voltage	230 V
Engine start	manual
Outlets	1x16A
Net dimensions (LxWxH)	480x290x430 mm
Net weight	22 kg



KS 4000iEG S



Max power	4,0 kW*
Nominal power	3,5 kW*
Voltage	230 V
Engine start	manual/electric
Outlets	2x16A
Net dimensions (LxWxH)	620x440x510 mm
Net weight	40 kg



*LPG operation reduces generator power by 10%.



For models KS 2100iG S, 3100iG S and 5500iES ATSR cables for parallel connection included.

KS 4100iEG



Max power	4,0 kW*
Nominal power	3,6 kW*
Voltage	230 V
Engine start	manual/electric
Outlets	2x16A
Net dimensions (LxWxH)	530x410x430 mm
Net weight	38 kg



KS 5500iEG S



Max power	5,5 kW*
Nominal power	5,0 kW*
Voltage	230 V
Engine start	manual/electric
Outlets	1x16A, 1x32A
Net dimensions (LxWxH)	610x470x535 mm
Net weight	52,5 kg



KS 8100iEG



Max power	8,5 kW*
Nominal power	8,0 kW*
Voltage	230 V
Engine start	electric
Outlets	1x16A, 1x32A
Net dimensions (LxWxH)	600x510x560 mm
Net weight	68 kg



INVERTER GENERATORS

*LPG operation reduces generator power by 10%.



For models KS 2100iG S, 3100iG S and 5500iES ATSR cables for parallel connection included.

LPG/GASOLINE GENERATORS OF DUAL FUEL SERIES FROM KÖNNER & SÖHNEN®:

- ✔ There is no need to add gasoline to the fuel tank to start the generator. The generator can start and run directly on LPG.
- ✔ The most simple connection - all you need is to connect the hose to your cylinder.
- ✔ LPG is a more environmentally friendly fuel than gasoline. The use of gas as fuel provides less emissions of harmful exhaust substances into the atmosphere.
- ✔ Compact size and light weight. Convenient to use, transport and store. Transport wheels make transportation easier and expand the application of these models.



DIRECT CURRENT GENERATOR

EXCLUSIVE NOVELTY!

DC GENERATOR FOR 48V BACKUP SYSTEMS **48 V**

The generator is to be used as a backup power source for systems with 48-54V batteries. Such batteries are typically used in solar power systems, wind power systems, UPS systems, mobile communication base stations, surveillance systems, etc.

DC generator KS 48V-DC from Könnert & Söhne® provides:

✓ **MAXIMUM EFFICIENCY**

This method of charging is more efficient since there are no intermediate current conversions and associated with this energy losses.

✓ **COMPACT SIZES AND HIGH POWER**

High charging power in a small size generator - the generator is designed by analogy with the inverter type of generators. It takes up 3-5 times less space than a set consisting of regular 230V generator with alternating current and a powerful charger that converts 230V alternating voltage into a constant voltage necessary to charge the battery. Equipped with a transport kit for easy movement.

✓ **SIMPLE INSTALLATION**

The generator connects directly to the battery, which greatly simplifies installation. The possibility of external control of "dry contacts" significantly expands the possibilities of integrating the generator into existing power supply systems.

✓ **ECONOMIC CHOICE**

The efficiency of the generator is higher due to the absence of unnecessary conversions, as well as due to the adjustable number of revolutions depending on the load, which reduces fuel costs compared to classical methods using 230V AC generators with subsequent conversion.

✓ **SAFE USE**

The absence of life-threatening high voltage protects the user from electric shock while using the generator.

SOLAR OR WIND POWER PLANTS



DC GENERATOR



48V BATTERY



SOLAR INVERTER



CONSUMERES



POWER SUPPLY



This generator can be integrated with various systems. It connects directly to the battery, which greatly simplifies installation.

KS 48V-DC	
Current (max)	70 A
Voltage	48-54 V
Engine start	manual/auto/external
Net dimensions (LxWxH)	695x445x445 mm
Net weight	36,5 kg



SAMPLES OF APPLICATION



**INVERTER FOR SOLAR AND
WIND POWER PLANTS**



**ELECTRONIC EQUIPMENT FOR
TELECOMMUNICATIONS**



**UNINTERRUPTIBLE
POWER SUPPLY (UPS)**



SOLAR STATION



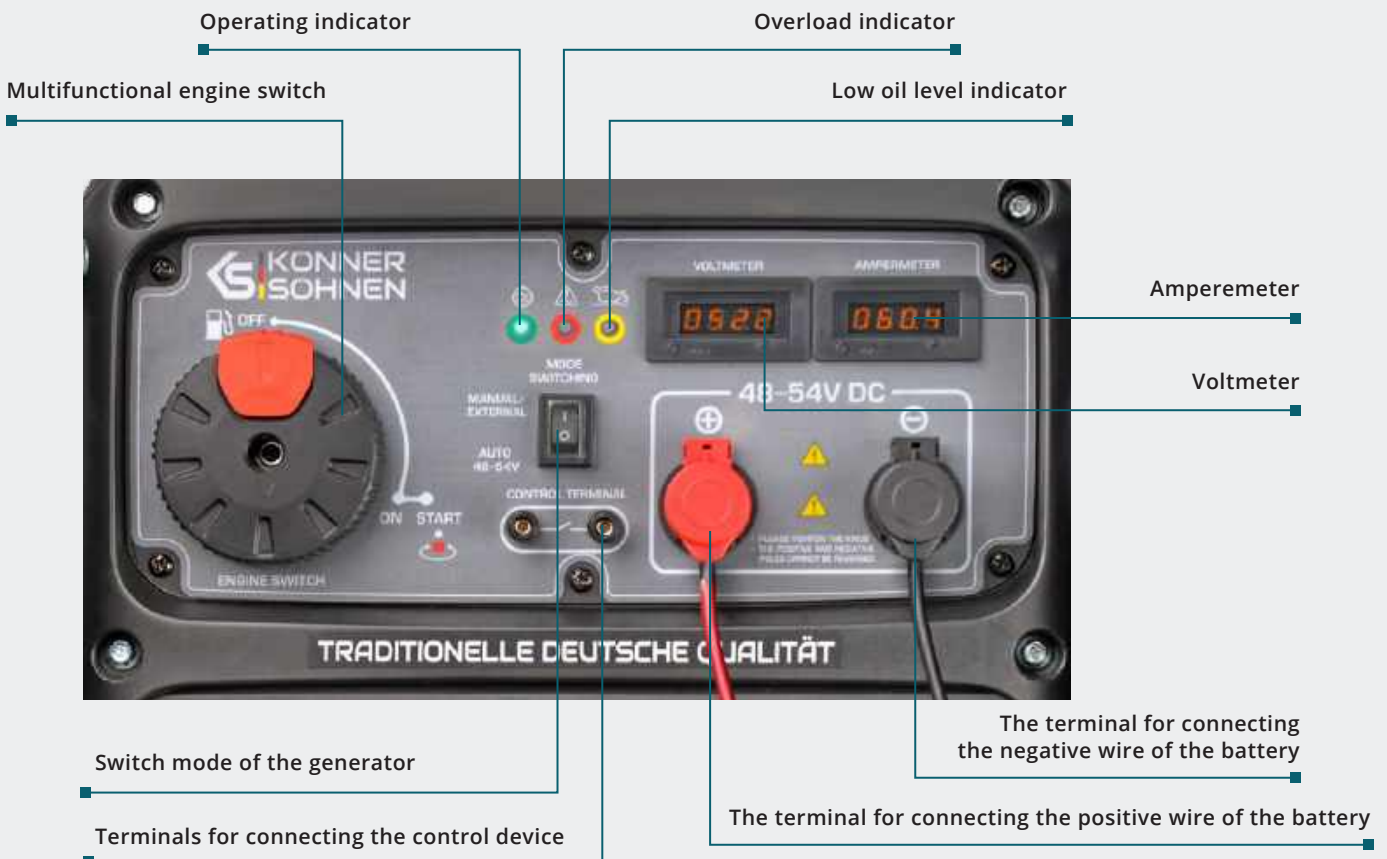
MOBILE BASE STATION



VIDEO SURVEILLANCE ROOM

✓ The generator is connected in parallel to the battery, it can itself monitor the battery voltage in auto mode. Generator starts and stops automatically if necessary.

✓ In external mode, the generator is controlled externally by external "dry contacts" (e.g. inverters with programmable "dry contacts"), which significantly expands the generator's range of applications.



DIRECT CURRENT GENERATOR



GASOLINE INVERTER GENERATORS



KS 2000i S

KS 2100i S

KS 3100i S

KS 3300i

KS 4000i S

KS 4000i S ATS

Voltage, V	230	230	230	230	230	230
Max power, kW	2,0	2,0	3,1	3,3	4,0	4,0
Nominal power, kW	1,8	1,8	2,8	3,0	3,5	3,5
Frequency, Hz	50	50	50	50	50	50
Current, A (max)	8,7	8,7	13,5	14,4	17,4	17,4
Outlets	1x16A	1x16A	1x16A	2x16A	2x16A	2x16A
Fuel tank volume, l	5	4	4	7	12	12
Working time at 50% load*, h	6,25	4,5	2,7	7	7,8	7,8
LED display	voltage, frequency, working hours				multifunctional** voltage, frequency, working hours	
Noise level LPA (7 m)/LWA, dB	62/87	62/87	63/88	71/96	66/91	66/91
Power output DC, V/A	-	12/8,3	12/8,3	12/8,3	12/8,3	12/8,3
USB-Outputs	5V/1A, 5V/2,1A	5V/1A, 5V/2,1A	5V/1A, 5V/2,1A	-	-	5V/1A, 5V/2,1A
Engine model	KS 100i	KS 110i	KS 160i	KS 210i	KS 240i	KS 240i
Engine type	gasoline, four-stroke					
Engine power, hp	2,5	3,3	4,6	5,5	7,5	7,5
Crank case volume, cm ³	0,4	0,35	0,45	0,6	0,6	0,6
Engine cylinder volume, cm ³	79,7	79,7	145	208	223	223
Outputs for parallel connection	+	parallel connection cable included		-	+	-
Engine start	manual	manual	manual	manual	manual/electric	manual/electric
Lithium battery, Ah	-	-	-	-	1,6	1,6
ATS input	-	-	-	-	+	built-in ATS
Power factor, cos φ	1,0 (230 V)	1,0 (230 V)	1,0 (230 V)	1,0 (230 V)	1,0 (230 V)	1,0 (230 V)
Net dimensions (LxWxH), mm	480x280x460	480x290x430	480x290x430	435x375x455	620x440x510	620x440x510
Gross dimensions (LxWxH), mm	555x335x540	510x320x475	510x320x475	450x380x480	630x475x570	630x475x570
Net weight, kg	19	18,5	21,5	25,5	40	40
Gross weight, kg	21	21,2	23,9	27,5	43,4	43,5
Protection class	IP23M					
QR code						

*Fuel consumption depends on many factors, such as load, fuel quality, season, altitude, technical condition of the generator.

**Multifunctional LED-display: voltage, frequency, working hours; overload indicator, voltage indicator, oil level indicator.



Könnert & Söhne® engines are reliable, high-performance and cost-effective, and conform to European quality standards, including the latest standard of emission EURO 5



ECONOMY MODE. Engines of inverter generators from Könnert & Söhne have an **ECONOMY MODE**. This mode allows using the inverter generator at low speeds and reduces fuel consumption by up to 50%.



KS 4100iE KS 5500iES ATSR KS 6000iE S KS 6000iE S ATS KS 8100iE ATSR KS 48V-DC

Voltage, V	230	230	230	230	230	48-54
Max power, kW	4,0	5,5	5,5	5,5	8,5	8,0
Nominal power, kW	3,6	5,0	5,0	5,0	8,0	3,6
Frequency, Hz	50	50	50	50	50	50
Current, A (max)	17,4	23,9	23,9	23,9	34,8	70
Outlets	2x16A	1x16A, 1x32A	1x16A, 1x32A	1x32A	1x16A, 1x32A	-
Fuel tank volume, l	12,5	13,5	11	11	20	12,5
Working time at 50% load*, h	8,1	8,1	7	7	7,1	7
LED display	voltage, frequency, working hours	multifunctional**		voltage, frequency, working hours		voltage, amperage
Noise level LPA (7 m)/LWA, dB	70/95	66/91	70/95	70/95	70/95	70/95
Power output DC, V/A	-	12/8,3	12/8,3	-	12/8,3	-
USB-Outputs	5V/1A, 5V/2,1A	5V/1A, 5V/2,1A	5V/1A, 5V/2,1A	-	5V/1A, 5V/2,1A	-
Engine model	KS 240i	KS 330i	KS 240i	KS 240i	KS 480i	KS 240
Engine type	gasoline, four-stroke					gasoline, four-stroke cycle engine
Engine power, hp	7,5	9,5	7,5	7,5	16	7,5
Crank case volume, cm ³	0,6	0,85	0,7	0,7	1,1	0,6
Engine cylinder volume, cm ³	223	312	223	223	458	223
Outputs for parallel connection	-	parallel connection cable included	+	-	-	-
Engine start	manual/electric				electric	manual/auto/external
Lithium battery, Ah	1,6	1,6	1,6	1,6	1,6	-
ATS input	+	+	+	built-in ATS	+	-
Power factor, cos φ	1,0 (230 V)	1,0 (230 V)	1,0 (230 V)	1,0 (230 V)	1,0 (230 V)	-
Net dimensions (LxWxH), mm	530x410x430	610x470x535	590x390x547	590x390x547	600x510x560	530x410x430
Gross dimensions (LxWxH), mm	605x420x425	680x510x605	640x425x600	640x425x600	725x505x555	695x445x445
Net weight, kg	36,7	52	39,5	40	68	36,5
Gross weight, kg	39	57,8	43	43	74	39,5
Protection class	IP23M					
QR code						

*Fuel consumption depends on many factors, such as load, fuel quality, season, altitude, technical condition of the generator.

**Multifunctional LED-display: voltage, frequency, working hours; overload indicator, voltage indicator, oil level indicator.

Built-in ATS. Built-in ATS system (automatic transfer switch). ATS unit is already built into the generator, installation is as simple as possible. The generator control panel with the ATS function is equipped with power terminals, ATS switch and ATS operation indicator.

Automatic transfer switch. The generator has the ability to connect the ATS unit (automatic transfer switch). The ATS input has a 8-pin or 7-pin connector.



LPG/GASOLINE INVERTER GENERATORS



LPG

KS 2000iG S



LPG

KS 2100iG S



LPG

KS 3100iG S



LPG

KS 4000iEG S

Voltage, V	230	230	230	230
Max power, kW	2,0*	2,0*	3,1*	4,0*
Nominal power, kW	1,8*	1,8*	2,8*	3,5*
Frequency, Hz	50	50	50	50
Current, A (max)	8,7	8,7	13,5	17,4
Outlets	1x16A	1x16A	1x16A	2x16A
Fuel tank volume, l	5	4	4	12
Working time at 50% load**, h	6,25	4,5	2,7	7,8
LED display	voltage, frequency, working hours			
Noise level LPA (7 m)/LWA, dB	62/87	62/87	63/88	66/91
Power output DC, V/A	-	12/8,3	12/8,3	12/8,3
USB-Outputs	-	5V/1A, 5V/2,1A	5V/1A, 5V/2,1A	5V/1A, 5V/2,1A
Engine model	KS 100i	KS 110i	KS 160i	KS 240i
Engine type	LPG/gasoline, four-stroke			
Engine power, hp	2,5	3,3	4,6	7,5
Crank case volume, cm ³	0,4	0,35	0,45	0,6
Engine cylinder volume, cm ³	79,7	79,7	145	223
Outputs for parallel connection	+	parallel connection cable included		+
Engine start	manual	manual	manual	manual/electric
Lithium battery, Ah	-	-	-	1,6
Power factor, cos φ	1,0 (230 V)	1,0 (230 V)	1,0 (230 V)	1,0 (230 V)
Net dimensions (LxWxH), mm	500x285x460	480x290x430	480x290x430	620x440x510
Gross dimensions (LxWxH), mm	700x335x540	510x320x475	510x320x475	775x475x570
Net weight, kg	19	19	22	40
Gross weight, kg	21	22,3	24,6	46
Protection class	IP23M			
QR code				

*LPG operation reduces generator power by 10%.

**Fuel consumption depends on many factors, such as load, fuel quality, season, altitude, technical condition of the generator.

LPG **DUAL FUEL series** LPG/gasoline generators from Könnert & Söhner®. The generator can run on both gasoline and liquefied gas (propane-butane).



ECONOMY MODE. Engines of inverter generators from Könnert & Söhner have an **ECONOMY MODE**. This mode allows using the inverter generator at low speeds and reduces fuel consumption by up to 50%.



KS 4100iEG



KS 5500iEG S



KS 8100iEG

Voltage, V	230	230	230
Max power, kW	4,0*	5,5*	8,5*
Nominal power, kW	3,6*	5,0*	8,0*
Frequency, Hz	50	50	50
Current, A (max)	17,4	23,9	34,8
Outlets	2x16A	1x16A, 1x32A	1x16A, 1x32A
Fuel tank volume, l	12,5	13,5	20
Working time at 50% load**, h	8,1	4,5	7,1
LED display	voltage, frequency, working hours	multifunctional***	voltage, frequency, working hours
Noise level LPA (7 m)/LWA, dB	70/95	66/91	70/95
Power output DC, V/A	-	12/8,3	12/8,3
USB-Outputs	5V/1A, 5V/2,1A	5V/1A, 5V/2,1A	5V/1A, 5V/2,1A
Engine model	KS 240i	KS 330i	KS 480i
Engine type	LPG/gasoline, four-stroke		
Engine power, hp	7,5	9,5	16
Crank case volume, cm ³	0,6	0,85	1,1
Engine cylinder volume, cm ³	223	312	458
Outputs for parallel connection	+	parallel connection cable included	-
Engine start	manual/electric	manual/electric	electric
Lithium battery, Ah	1,6	1,6	1,6
ATS input	-	-	-
Power factor, cos φ	1,0 (230 V)	1,0 (230 V)	1,0 (230 V)
Net dimensions (LxWxH), mm	530x410x430	610x470x535	600x510x560
Gross dimensions (LxWxH), mm	685x420x430	765x510x605	765x505x555
Net weight, kg	38	52,5	68
Gross weight, kg	44	63	74
Protection class	IP23M		
QR code			

*LPG operation reduces generator power by 10%.

**Fuel consumption depends on many factors, such as load, fuel quality, season, altitude, technical condition of the generator.

***Multifunctional LED-display: voltage, frequency, working hours; overload indicator, voltage indicator, oil level indicator.

Soundproof housing. Generators in soundproof housing with minimal noise level.



Könnér & Söhnen® engines are reliable, high-performance and cost-effective, and conform to European quality standards, including the latest standard of emission EURO 5



DIESEL POWER PLANT

Diesel power plants of HEAVY DUTY Silent Diesel Generator series from Könnner & Söhnen® are developed on the basis of low-speed engines (1500 rpm) from world-renowned companies that produce engines for the markets of Europe and the USA. Absolute compliance of the engines with the standards of reliability, economy, environmental friendliness, technical and operational safety of power plants is the best confirmation of the high quality of products.

This series of power plants includes units with power from **16 to 30 kVA** for single-phase and three-phase electrical networks based on reliable four-cylinder water-cooled diesel engines.



 **16 kVA – 30 kVA**



DIESEL POWER PLANT

THANKS TO THE IMPLEMENTATION OF THE COMPANY'S OWN DEVELOPMENTS AND ADAPTATION TO THE REQUIREMENTS OF KÖNNER & SÖHNEN, ALL POWER PLANTS HAVE A RESERVE OF POWER IN ACCORDANCE WITH THE DECLARED CHARACTERISTICS



DIESEL POWER PLANT HEAVY DUTY SERIES

Diesel power plants of the **HEAVY DUTY Silent Diesel Generator series** from German company Könnner & Söhnen take into account all your needs in providing of both emergency and backup power - for longer power supply of residential buildings and small commercial facilities. These are professional units developed with the use of advanced technologies, and at the same time, they are easy-to-use devices that can supply power to both single-phase and three-phase electricity consumers.

All Könnner & Söhnen diesel power plants undergo pre-commissioning preparation and test start-up with control of compliance with all parameters of correct operation in Europe in own service center. Using special loading machine, we check the power produced by the station in various operating modes and adjust the electronic control unit.

Power plant



16 – 30 kVA

Engine speed



1500 RPM

Voltage



230V/400V

Housing



SOUNDPROOF HOUSING

✓ Full pre-sale testing and commissioning works in Europe

✓ European quality certificates and 2 years warranty

Multifunctional digital control unit Datakom D300+2g

Power sockets with protective covers and terminals for external connection of consumers

Emergency stop button

Noise protection to ensure silent operation of the generator

Wide doors provide convenient access to the parts of the unit during maintenance

Reliable low-speed engine 1500 rpm with water cooling

Electronic or mechanical system of engine speed control

Locks on all doors for security and protection

4-pole brushless alternator with automatic system of voltage regulation

Galvanic coating (KS 18-1DE-G, KS 33-3DE-G) for increased wear resistance, strength, resistance to oxidation and corrosion

Forklift holes





DIESEL POWER PLANT



LOW SPEED RELIABLE ENGINES

Modern low-speed engine 1500 rpm provides optimal performance, has an increased motor resource for long-term use, thanks to which power plants of the German brand are among the most economical in terms of cost. The electronic engine speed control system (optional) is a computer control that automatically adjusts the engine speed, quickly reacts to load changes, improves the quality of electricity produced and guarantees the maximum stable frequency of 50 Hz.



BRUSHLESS ALTERNATOR

Equipped with a 4-pole brushless current alternator Stamford type, synchronous type, with a self-excitation system and a high-efficiency electronic voltage regulation system AVR.



DIGITAL CONTROLLER

All work processes are managed using a modern multi-function digital control unit. The controller provides verification of all operating state indicators of the power plant, convenient start-up settings and operation of the installation, monitors the battery charge, monitors the engine speed and adjusts the fuel supply depending from load, protects against overheating and low oil level, signals possible malfunctions and also reports about the need for service.



SOUNDPROOF ANTI-VANDAL ENCLOSURE

The high-quality noise-proof housing provides a significant reduction in noise during the operation of the power plant, has improved thermal distribution, protects the power plant from moisture and condensate, from adverse weather conditions and unauthorized intervention. Special galvanic coating (optional) has increased properties of wear resistance, strength, resistance to oxidation and resistance to corrosion.

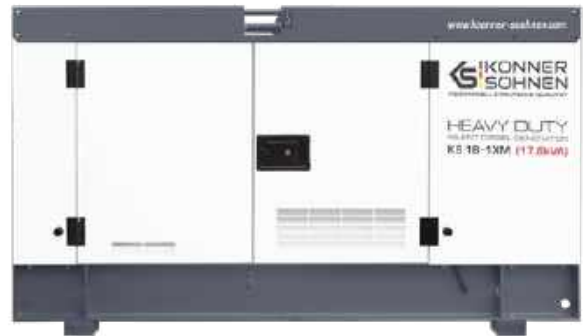


DIESEL POWER PLANT HEAVY DUTY SERIES

KS 18-1XM



Max power 230 V	17,6 kVA
Nominal power 230 V	16 kVA
Voltage	230 V
Outlets	-
Engine speed monitoring system	mechanical
Battery	85 Ah
Net dimensions (LxWxH)	1850x740x1000 mm
Net weight	732 kg



KS 18-1YE



Max power 230 V	17,6 kVA
Nominal power 230 V	16 kVA
Voltage	230 V
Outlets	1x32A (230 V) 2x16A (230 V)
Engine speed monitoring system	electronic
Battery	85 Ah
Net dimensions (LxWxH)	2160x950x1250 mm
Net weight	975 kg



KS 18-1DE-G



Max power 230 V	17,6 kVA
Nominal power 230 V	16 kVA
Voltage	230 V
Outlets	1x32A (230 V) 2x16A (230 V)
Engine speed monitoring system	electronic
Battery	85 Ah
Net dimensions (LxWxH)	2160x950x1250 mm
Net weight	852 kg



KS ATS 4/100HD KS ATS 4/100HD-O



Consumption	18 W
Operating voltage	230 V/400 V
Power 230 V/400 V	23 kW/55 kW
Current (max) 230 V/400 V	100 A
Net dimensions KS ATS 4/100HD	500x300x600 mm
Net dimensions KS ATS 4/100HD-O	415x150x515 mm
Net weight KS ATS 4/100HD	21 kg
Net weight KS ATS 4/100HD-O	5 kg



KS 25-3LM



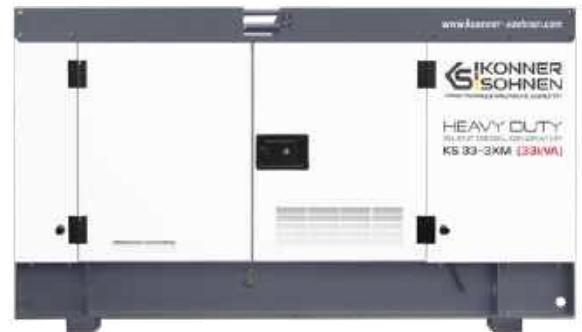
Max power/Nom. power 400 V	25,3/23 kVA
Voltage	230 V/400 V
Outlets	-
Engine speed monitoring system	mechanical
Battery	85 Ah
Net dimensions (LxWxH)	1700x780x1000 mm
Net weight	680 kg



KS 33-3XM



Max power/Nom. power 400 V	33/30 kVA
Voltage	230 V/400 V
Outlets	-
Engine speed monitoring system	mechanical
Battery	85 Ah
Net dimensions (LxWxH)	1850x780x1000 mm
Net weight	739 kg



KS 33-3YE



Max power/Nom. power 400 V	33/30 kVA
Voltage	230 V/400 V
Outlets	1x32A (400 V) 1x16A (400 V) 1x16A (230 V)
Engine speed monitoring system	electronic
Battery	2x85 Ah
Net dimensions (LxWxH)	2160x950x1250 mm
Net weight	978 kg



KS 33-3DE-G



Max power/Nom. power 400 V	33/30 kVA
Voltage	230 V/400 V
Outlets	1x32A (400 V) 1x16A (400 V) 1x16A (230 V)
Engine speed monitoring system	electronic
Battery	85 Ah
Net dimensions (LxWxH)	2160x950x1250 mm
Net weight	856 kg





DIESEL POWER PLANT HEAVY DUTY SERIES



KS 18-1XM



KS 18-1YE



KS 18-1DE-G

Number of phases	single-phase	single-phase	single-phase
Voltage, V	230	230	230
Max power, kVA	17,6	17,6	17,6
Nominal power, kVA	16	16	16
Power factor, cosφ	1,0 (230 V)	1,0 (230 V)	1,0 (230 V)
Current, A (max)	76,52	76,52	76,52
Frequency, Hz	50	50	50
Insulation class	H	H	H
ENGINE CHARACTERISTICS			
Engine type	diesel powered four-cylinder, four-stroke water-cooled		
Engine brand	Xinchai	Yangdong	DEUTZ
Engine model	C490BD	YSD490D	BFM3 G1
Engine speed, rpm	1500	1500	1500
Output power, kW	24	21	20
Engine cylinder volume cm ³	2600	2540	3170
Engine speed monitoring system	mechanical	electronic	electronic
Engine heating	+	+	+
GENERAL CHARACTERISTICS			
Controller	Datakom D300+2g	Datakom D300+2g	Datakom D300+2g
Fuel tank volume, l	53	76	55
Fuel consumption at 50% of load*, l/h	2,33	2,46	2,23
Crankcase volume, l	6,5	8	7,5
Coolant volume, l	5,3	8	15,8
Noise level Lpa (7m)/Lwa, dB	72/97	72/97	72/97
Housing	noise - proof, moisture-proof, metal, all-weather, vandal-proof		
Housing coating	powder coating	powder coating	electroplating
Battery, Ah	85	85	85
Battery charger	built-in	built-in	built-in
ATS output	+	+	+
Power output controller	intelligent voltage stabilization system AVR		
Protection class	IP24		
Outlets	-	1x32A (230 V) 2x16A (230 V)	1x32A (230 V) 2x16A (230 V)
Net dimensions (LxWxH), mm	1850x740x1000	2160x950x1250	2160x950x1250
Gross dimensions (LxWxH), mm	1880x770x1020	2190x980x1270	2190x980x1270
Net weight, kg	732	975	852
Gross weight, kg	735	978	855
QR code			

*Fuel consumption depends on many factors, such as load, fuel quality, season, altitude, technical condition of the generator.



Automatic transfer switch. The generator has the ability to connect the ATS system (automatic transfer switch).



KS 25-3LM

KS 33-3XM

KS 33-3YE

KS 33-3DE-G

Number of phases	three-phase		three-phase		three-phase		three-phase	
	230	400	230	400	230	400	230	400
Max power, kVA	25,3		33		33		33	
Nominal power, kVA	23		30		30		30	
Power factor, cosφ	1,0 (230 V)	0,8 (400 V)	1,0 (230 V)	0,8 (400 V)	1,0 (230 V)	0,8 (400 V)	1,0 (230 V)	0,8 (400 V)
Current, A (max)	36,45		47,63		47,63		47,63	
Frequency, Hz	50		50		50		50	
Insulation class	H		H		H		H	
ENGINE CHARACTERISTICS								
Engine type	diesel powered four-cylinder, four-stroke water-cooled							
Engine brand	Laidong		Xinchai		Yangdong		DEUTZ	
Engine model	DPKM490BD		A498BD		Y4100D		BFM3 G2	
Engine speed, rpm	1500		1500		1500		1500	
Output power, kW	23		32		32		29	
Engine cylinder volume cm ³	2545		3707		3170		3168	
Engine speed monitoring system	mechanical		mechanical		electronic		electronic	
Engine heating	+		+		+		+	
GENERAL CHARACTERISTICS								
Controller	Datakom D300+2g		Datakom D300+2g		Datakom D300+2g		Datakom D300+2g	
Fuel tank volume, l	57		75		75		57	
Fuel consumption at 50% of load*, l/h	2,72		3,25		3,39		2,17	
Crankcase volume, l	5,5		6,5		11		7,5	
Coolant volume, l	5		5,73		8		15,8	
Noise level Lpa (7m)/Lwa, dB	72/97		72/97		72/97		72/97	
Housing	noise - proof, moisture-proof, metal, all-weather, vandal-proof							
Housing coating	powder coating		powder coating		powder coating		electroplating	
Battery, Ah	85		85		2x85		85	
Battery charger	built-in		built-in		built-in		built-in	
ATS output	+		+		+		+	
Power output controller	intelligent voltage stabilization system AVR							
Protection class	IP24							
Outlets	-		-		1x32A (400 V) 1x16A (400 V) 1x16A (230 V)		1x32A (400 V) 1x16A (400 V) 1x16A (230 V)	
Net dimensions (LxWxH), mm	1700x780x1000		1850x780x1000		2160x950x1250		2160x950x1250	
Gross dimensions (LxWxH), mm	1730x810x1020		1880x810x1020		2190x980x1270		2190x980x1270	
Net weight, kg	680		739		978		856	
Gross weight, kg	683		742		981		859	
QR code								

DIESEL POWER PLANT

*Fuel consumption depends on many factors, such as load, fuel quality, season, altitude, technical condition of the generator.



Water cooling. The main advantage of the engine water cooling is the efficient removal of more heat, which helps to extend the service life power plant.

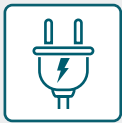


CORD REELS AND EXTENSION CABLES

Extension cord reels from Könnert & Söhne® are intended for use both indoors and outdoors, on construction sites, in agriculture, as well as in places with high humidity. Könnert & Söhne® cables are very durable and can withstand severe operating conditions and mechanical stress (shocks, fall, runover).

They are made of flexible power cord with 100% copper conductors in rubber insulation, which provides resistance to weathering, UV radiation and ozone. In addition, they are protected from chemical aggression, greases, lubricants and mineral oils. Extension cord reels are halogen-free with low smoke and low corrosive gases emission.

Total power



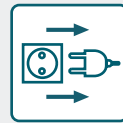
3000 – 3600 W

Cable length



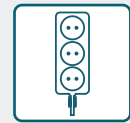
15 – 30 M

Plug



1x16 A/230 V

Sockets



4x16 A/230 V

CABLE SPECIFICATIONS

Cable type: H07RN-F 3G2,5

H - flexible cable

07 - rated voltage 450 / 750V

R - natural or synthetic rubber insulation

N - Chloropren-Gummihülle

F - copper conductors

G - yellow-green ground wire

Number of cores - 3

Cable color - black

RESISTANCE TO EXPOSURE:

- ✓ bend resistance
- ✓ torsion resistance
- ✓ moisture resistance
- ✓ UV radiation, ozone, chemicals, greases, lubricants and mineral oils, mechanical stress



WATCH THE VIDEO OF ACCESSORIES IN WORK





CORD REELS

KS CR-15M

KS CR-25M

KS CRM-30M

Total power (unwound cable), W	3000	3600	3600
Cable length, m	15	25	30
Plug	1x16 A/230 V	1x16 A/230 V	1x16 A/230 V
Sockets with protective cap	4x16 A/230 V	4x16 A/230 V	4x16 A/230 V
Section diameter (100% copper)	3x1,5 mm ²	3x2,5 mm ²	3x2,5 mm ²
Material of extension cord reel	plastic	plastic	metal
Cable reel diameter, mm	335	380	390
Protection class	IP44		
Net weight, kg	3,2	6,5	7,8
Gross weight, kg	4	7	8,5
QR code			



SOCKET ADAPTER 32 A → 16 A

KS EX1M-1S

KS EX1.5M-3S

KS EX3M-4S

Total power (unwound cable), W	3600	5000	5000
Cable length, m	1	1,5	3
Plug	1x32 A/250 V	1x32 A/250 V	1x32 A/250 V
Sockets with protective cap	1x16 A/250 V	3x16 A/250 V	4x16 A/250 V
Section diameter (100% copper)	3x1,5 mm ²	3x2,5 mm ²	3x2,5 mm ²
Protection class	IP44		
Net weight, kg	0,36	0,7	1,45
Gross weight, kg	0,4	0,78	1,55
QR code			



Reel is equipped with a **100% copper wires**. Only copper is able to withstand long-term maximum loads, which makes the cable durable and extends its service life.



The socket adapter has a **protection class of IP44**, which allows you to use it externally, as well as at high humidity, thanks to protection against accidental ingress of water droplets and solid particles.



POWER STATION AND SOLAR PANELS

Könner & Söhnen® portable chargers and solar panels are “eco-friendly” energy sources that produce no harmful waste during use and do not adversely affect the environment and climate change in the region.

With these devices, you can easily charge your electrical or digital devices while traveling or when there is no mains supply. The units have USB ports and DC and AC outputs. With no mains supply, you can charge laptops, cell phones, tablets, drones, use household appliances, lighting equipment, etc.





100 W–2200 W



BY USING SOLAR PANELS TOGETHER WITH PORTABLE POWER STATIONS, YOU CAN CONVERT FREE SOLAR ENERGY INTO DIRECT ELECTRICITY, ACCUMULATE IT DURING THE DAY IN PORTABLE POWER STATIONS, AND USE IT AT NIGHT



PORTABLE POWER STATIONS

POWER UP YOUR LIFE WITH KÖNNER & SÖHNEN

A silent portable power station is an indispensable assistant, which helps to power your home in emergencies and make your outdoor activities more comfortable. When hiking, fishing, hunting, or camping, the portable power station will allow you to power your electrical devices and simply enjoy your time without disturbing noise, without harm to the environment and constant expenses for fuel and maintenance!



- Home/outdoors backup power
- High capacity lithium battery
- Smart & safe
- Solar panel charging support
- LED light panel
- Energy storage function

Rated power



100 – 3000 W

Battery capacity



155 – 3200 Wh

Outputs for connecting



6 – 11 DEVICES

Pure sine wave



SUITABLE FOR SENSITIVE DEVICES



DC ON/OFF

USB ON/OFF

USB-A Outlets

AC Outlets

QC 3.0 Output

Type-C Output



Portable power stations Könnér & Söhnen® are equipped with Power Delivery technology, which ensures fast charging batteries of modern smartphones and even laptops.



Models of portable power stations KS 1200PS-FC, KS 2200PS-FC, can be additionally equipped with a fast charger for Li-ion batteries, which can fully charge the device in just 3 hours. Model KS 3000PS-FC goes in a set with fast battery charger KS 37A-FC which is suitable for charging LifePo4 batteries.

LED MODE

- LED lighting mode
- LED SOS mode
- LED flashing mode





LED DISPLAY

The color LED display of the portable power station has many indicators, including a DC and AC power indicator, a discharge indicator, a battery level indicator (percentage), a temperature indicator, a fault indicator, a LED light, and indicators showing the current input power in watts (W) and remaining battery charge in hours at the consumed current.



COMPACT SIZE AND ROBUST HOUSING

Despite its compact size, the body made of aluminum alloy or plastic is extremely strong and shock-resistant. The dustproof housing and reinforced construction will guarantee long-term and convenient use.



HIGH QUALITY LITHIUM BATTERY

The portable power station is equipped with high quality lithium batteries that have a high capacity but at the same time are slim and lightweight and have a long lifespan and multi-safety features.



SMART POWER CONTROL PROCESSOR

The portable power station is equipped with a built-in BMS (Battery Management System) controlled by a smart power control processor. The multi-safety features ensure durable and safe operation.



PORTABLE POWER STATIONS



KS 100PS

Rated power	100 W, Peak 150 W (3-5 sec)
Capacity	155 Wh 14 Ah/11,1 V (42000 mAh, 3,7 V)
DC charge input	15 V/2 A
AC Output	230 V/50 Hz
DC Output	9~12,5 V/10 A (15 A Max)
USB Output	2x5 V/2,1 A Max
QC 3.0	5~9 V/2 A
Type-C Output	PD18 W, 5~9 V/2 A
Net dimensions (LxWxH)	186x107x180 mm
Net weight	1,6 kg

USB PD 3.0



KS 200PS

Rated power	200 W, Peak 320 W (3-5 sec)
Capacity	222 Wh, 20 Ah/11,1 V (60000 mAh, 3,7 V)
DC charge input	15 V/2 A
AC Output	230 V/50 Hz
DC Output	2x9~12,5 V/10 A (15 A Max)
USB Output	2x5 V/2,1 A Max
QC 3.0	5~9 V/2 A
Type-C Output	PD18 W, 5~9 V/2 A
Net dimensions (LxWxH)	213x106x180 mm
Net weight	2,4 kg

USB PD 3.0



KS 300PS

Rated power	300 W, Peak 600 W (3-5 sec)
Capacity	296 Wh, 20 Ah/14,8 V, (80000 mAh, 3,7 V)
DC charge input	19 V/3 A
AC Output	230 V/50 Hz
DC Output	3x12 V/8 A
USB Output	2x5 V/2,4 A
QC 3.0	5 V/3 A, 9 V/2 A, 12 V/1,5 A
Type-C Output	PD 45 W, 5 V/3 A, 9 V/3 A, 12 V/3 A, 15 V/3 A
Net dimensions (LxWxH)	285x155x205 mm
Net weight	3,3 kg

USB PD 3.0



KS 1200PS-FC	
Rated power	1200 W, Peak 2600 W (3-5 sec)
Capacity	1110 Wh 50 Ah/22,2 V (300000 mAh, 3,7 V)
Anderson 1 (30A) PV-Input	18 V~30 V, 8 A Max
Anderson 2 (50A) QC-Input	25 V/22 A Max
DC charge input	25,5 V/8 A
DC Output	2x12 V±1 V/8 A
USB Output	5 V/2,4 A
QC 3.0	5 V/3 A, 9 V/2 A, 12 V/1,5 A
Type-C Output 1	PD 100 W, 5 V/3 A, 9 V/3 A, 12 V/3 A, 15 V/3 A, 20 V/5 A
Type-C Output 2	PD 18 W, 5 V/3 A, 9 V/2 A, 12 V/1,5 A
Net dimensions (LxWxH)	365x235x280 mm
Net weight	11,5 kg

USB PD 3.0 | **OPTIONAL FAST CHARGING*** **3 HOURS**

PURE SINE WAVE



*Optional completion. A portable power station can be additionally equipped with a fast charger for Li-ion batteries.

KS 2200PS-FC	
Rated power	2200 W, Peak 4000 W (3-5 sec)
Capacity	2220 Wh 100 Ah/22,2 V (600000 mAh, 3,7 V)
Anderson 1 (30A) PV-Input	18 V~30 V, 8 A Max
Anderson 2 (50A) QC-Input	25 V/40 A Max
DC charge input	25.5 V/8 A
DC Output	2x12 V±1 V/8 A
USB Output	3x5 V/2,4 A
QC 3.0	5 V/3 A, 9 V/2 A, 12 V/1,5 A
Type-C Output 1	PD 100 W, 5 V/3 A, 9 V/3 A, 12 V/3 A, 15 V/3 A, 20 V/5 A
Type-C Output 2	PD 18 W, 5 V/3 A, 9 V/2 A, 12 V/1,5 A
Net dimensions (LxWxH)	466x300x310 mm
Net weight	21,5 kg

USB PD 3.0 | **OPTIONAL FAST CHARGING*** **3 HOURS**

PURE SINE WAVE



*Optional completion. A portable power station can be additionally equipped with a fast charger for Li-ion batteries.

KS 3000PS-FC	
Rated power	3000 W, Peak 6000 W (3-5 sec)
Capacity	3200 Wh 125 Ah/25,6 V (1000 Ah, 3,2 V)
Anderson 1 (30A) PV-Input	18 V~30 V, 8 A Max
Anderson 2 (37A) QC-Input	28 V/37 A Max
DC charge input	25.5 V/8 A
DC Output	2x12 V±1 V/8 A
USB Output	3x5 V/2,4 A
QC 3.0	5 V/3 A, 9 V/2 A, 12 V/1,5 A
Type-C Output 1	PD 100 W, 5 V/3 A, 9 V/3 A, 12 V/3 A, 15 V/3 A, 20 V/5 A
Type-C Output 2	PD 18 W, 5 V/3 A, 9 V/2 A, 12 V/1,5 A
Net dimensions (LxWxH)	466x300x369 mm
Net weight	40 kg

FAST CHARGING* **3 HOURS**

PURE SINE WAVE



C

PORTABLE STATIONS | SOLAR PANELS



PORTABLE SOLAR PANELS

Könner & Söhnen **portable solar panels** are lightweight and compact devices that use renewable energy from sunlight. With them at hand, you can conveniently travel around and charge your devices for free multiple times.

The high-quality monocrystalline solar cells provide high efficiency of conversion of solar energy into electric energy (up to 20%) and long service life.

The portable solar panel comes in a set with regular USB connectors and a set of adapters with different connectors for various gadgets. In addition, models KS SP60W-3 and KS SP90W-3 feature USB Quick Charge 3.0 charging ports. LED lights on the adapter tell you whether there is enough solar power to charge your devices.

Solar power



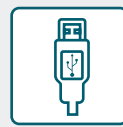
28 – 90 W

Conversion efficiency



>20%

USB Output

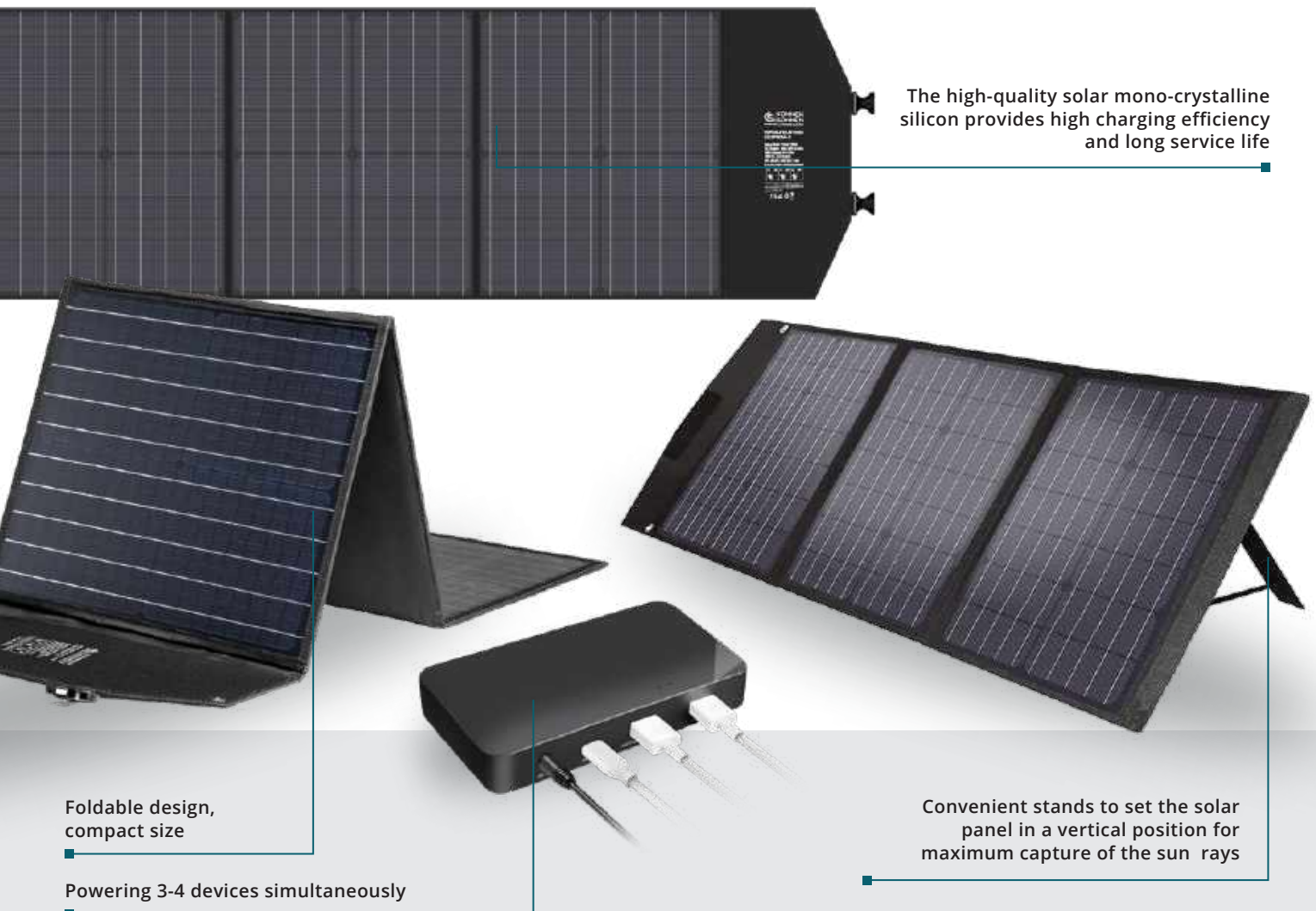


5 V/2,4 A

Number of folds



3 – 4 PCS



The high-quality solar mono-crystalline silicon provides high charging efficiency and long service life

Foldable design, compact size

Powering 3-4 devices simultaneously

Convenient stands to set the solar panel in a vertical position for maximum capture of the sun rays



ECO-FRIENDLY

The environmentally friendly, practical and handy solar panel is suitable for outdoor activities, emergencies and working outdoors. It provides uninterrupted power even on cloudy days. It does not harm the environment during operation.



HIGH-QUALITY MONOCRYSTALLINE ELEMENTS

Modern monocrystalline silicon has the energy conversion efficiency of about 20%. Energy generation is possible even in a cloudy day and with partial layout.



COMPATIBLE WITH VARIOUS GADGETS

The portable solar panel kit includes an adapter with USB connectors, which can be used to charge mobile phones, tablets, power banks, etc. It comes with a set of adapters with different connectors for various gadgets.



USER-FRIENDLY

Foldable design with portable size, easy to carry with just a single hand. The ability to operate in a partially unfolded state allows the portable solar panel to be used in confined spaces or on the move. Panels feature additional stands for vertical deployment to maximize sun rays interception.



PORTABLE POWER STATIONS AND SOLAR PANELS



PORTABLE POWER STATIONS

KS 100PS

KS 200PS

KS 300PS

KS 1200PS-FC

KS 2200PS-FC

KS 3000PS-FC*

Rated power	100 W, Peak 150 W (3-5 sec)	200 W, Peak 320 W (3-5 sec)	300 W, Peak 600 W (3-5 sec)	1200 W, Peak 2600 W (3-5 sec)	2200 W, Peak 4000 W (3-5 sec)	3000 W, Peak 6000 W (3-5 sec)
Capacity	155 Wh 14 Ah/11,1 V (42000 mAh, 3,7 V)	222 Wh, 20 Ah/11,1 V (60000 mAh, 3,7 V)	296 Wh, 20 Ah/14,8 V, (80000 mAh, 3,7 V)	1110 Wh 50 Ah/22,2 V (300000 mAh, 3,7 V)	2220 Wh 100 Ah/22,2 V (600000 mAh, 3,7 V)	3200 Wh 125 Ah/25.6 V (1000 Ah, 3.2 V)
Battery type	high quality lithium-ion batteries					LifePo4 batteries
Anderson 1 (30A) PV-Input	-	-	-	18 V~30 V, 8 A Max		
Anderson 2 (50A) QC-Input	-	-	-	25 V/22 A Max	25 V/40 A Max	-
Anderson 2 (37A) QC-Input	-	-	-	-	-	28 V/37 A Max
DC Charge input	15 V/2 A	15 V/3 A	19 V/3 A	25,5 V/8 A	25,5 V/8 A	25,5 V/8 A
AC Output	230 V/50 Hz	230 V/50 Hz	230 V/50 Hz	230 V/50 Hz	230 V/50 Hz	230 V/50 Hz
DC Output	9~12,5 V/10 A (15 A Max)	2x9~12,5 V/10 A (15 A Max)	3x12 V/8 A	2x12 V±1 V/8 A	2x12 V±1 V/8 A	2x12 V±1 V/8 A
USB Output	2x5 V/2,1 A Max	2x5 V/2,1 A Max	2x5 V/2,4 A	5 V/2,4 A	3x5 V/2,4 A	3x5 V/2,4 A
QC 3.0	5~9 V/2 A	5~9 V/2 A	5 V/3 A, 9 V/2 A, 12 V/1,5 A			
Type-C Output 1	(PD 18 W) 5~9 V/2 A	(PD 18 W) 5~9 V/2 A	(PD 45 W) 5 V/3 A, 9 V/3 A, 12 V/3 A, 15 V/3 A	(PD 100 W) 5 V/3 A, 9 V/3 A, 12 V/3 A, 15 V/3 A, 20 V/5 A		
Type-C Output 2 (PV-Input Anderson 1)				(PD 18 W) 5 V/3 A, 9 V/2 A, 12 V/1,5 A		
Solar charge input	-	-	18 V~30 V/3 A Max	Anderson 1, MPPT 200W		
Cigar port output	-	-	12 V/8 A	12 V/8 A	12 V/8 A	12 V/8 A
LED flashlight	+	+	3 W	4 W	4 W	4 W
Pure sine wave	-	-	+	+	+	+
Net dimensions (LxWxH), mm	186x107x180	213x106x180	285x155x205	365x235x280	466x300x310	466x300x369
Gross dimensions (LxWxH), mm	310x170x250	325x170x245	334x194x245	380x290x350	520x340x390	
Net weight, kg	1,6	2,4	3,3	11,5	21,5	40
Gross weight, kg	2,4	3,1	4,1	13,5	23,5	43,5
Working temperature	-10 °C + 40 °C	-10 °C + 40 °C	-10 °C + 40 °C	-10 °C + 40 °C	-10 °C + 40 °C	-10 °C + 40 °C
QR code						

*Model KS 3000PS-FC comes complete with fast battery charger KS 37A-FC (for LiFePo4 batteries).



Models of portable power stations KS 1200PS-FC, KS 2200PS-FC, can be additionally equipped with a fast charger for Li-ion batteries, which can fully charge the device in just 3 hours. Model KS 3000PS-FC goes in a set with fast battery charger KS 37A-FC which is suitable for charging LifePo4 batteries.



Könner & Söhnen portable power stations are equipped with Power technology Delivery, which provides fast charging batteries of modern smartphones and even laptops.



KS SP28W-4



KS SP60W-3



KS SP90W-3

**PORTABLE SOLAR
PANELS**

Solar power	28 W monocrystalline silicon (4 pcs Panel)	60 W monocrystalline silicon (3 pcs Panel)	90 W monocrystalline silicon (3pcs Panel)
Conversion efficiency	>20%	>20%	>20%
Solar panel output	max. 18 V/1.55 A	max. 18 V/3.33 A	max.18 V/5 A
USB Output	5 V/2,4 A	5 V/2,4 A	5 V/2,4 A
USB QC 3.0 Output	5 V/3 A, 9 V/2 A, 12 V/1,5 A	5 V/3 A, 9 V/2 A, 12 V/1,5 A	5 V/3 A, 9 V/2 A, 12 V/1.5 A
Type C Output	-	-	60 W, 5 V/3 A, 9 V/3 A, 12 V/2,5 A,15 V/2 A
Folded size (LxWxH), mm	290x200x29	399x355x28	520x370x45
Unfold size (LxWxH), mm	1050x290x4	1218x399x4	1280x520x4
Net weight, kg	1,1	2,5	3,18
Gross weight, kg	1,25	2,9	3,3
Operating temperature	-20°C to +85°C	-20°C to +85°C	-20°C to +85°C
Delivery set	1 x 28W Solar panel 1 x DC-DC Connect cable 1 x Set of DC connectors 1 x Charger adapter with USB outputs	1 x 60W Solar panel 1 x DC-DC Connect cable 1 x DC-Anderson cable 1 x Set of DC connectors 1 x Charger adapter with USB outputs	1 x 90W Solar panel 1 x DC-DC Connect cable 1 x DC-Anderson cable 1 x Set of DC connectors 1 x Charger adapter with USB outputs
QR code			



KS 22A-FC*
(for Li-Ion batteries)



KS 40A-FC**
(for Li-Ion batteries)



KS 37A-FC***
(for LiFePo4 batteries)

**FAST BATTERY CHARGER
FOR PORTABLE POWER STATIONS**

Output power	500 W	1000 W	1000 W
Max. output voltage	25,2 V ± 0,2 V	25,2 V ± 0,2 V	28 V ± 0,2 V
Output current	22 A ± 3%	40 A ± 2%	37 A ± 2%
Power efficiency	≥ 85%	≥ 85%	≥ 85%
Rated input voltage	200-230 V, AC/50 Hz	200-230 V, AC/50 Hz	200-230 V, AC/50 Hz
Charging time for power station	3 hours (KS 1200PS-FC)	3 hours (KS 2200PS-FC)	3 hours (KS 3000PS-FC)
Dimensions (LxWxH), mm	210x120x73 mm	260x158x91 mm	260x158x91 mm
Net weight, kg	2,2	4,3	4,3
Gross weight, kg	2,5	4,5	4,5
QR code			

*Suitable only for portable power stations KS 1200PS-FC, KS 2200PS-FC.

**Suitable only for portable power stations KS 2200PS-FC.

***Suitable only for portable power stations KS 3000PS-FC.



TILLERS

ELECTRIC AND GASOLINE

A wide range of Köhner & Söhnen® **tillers** to meet a variety of customer needs during gardening work: tilling the soil of varying hardness from loose to virgin clay, planting crops, hilling, and harvesting. These are practical and reliable multifunctional agricultural units.

Given their maneuverability in confined spaces, these compact electric tillers are ideal for small plots or greenhouses. Powerful gasoline tillers can handle heavy duty tasks on medium to large land plots.



TRADITIONS OF GERMAN QUALITY
ARE AFFORDABLE FOR EVERYBODY!

**KÖNNER
SÖHNEN**

 ≤ 36 – 134 cm



TILLERS

KÖNNER & SÖHNEN® TILLERS ARE SUITABLE FOR
A VARIETY OF APPLICATIONS ON ALL SOIL TYPES,
FROM LOOSE TO VIRGIN CLAY



ELECTRIC TILLERS

Könner & Söhnen® **ECO-series electric cultivators** are excellent helpers and designed for tilling small areas. These devices can easily maneuver in coned spaces, for example, in greenhouses or areas of landscape design.

They are easy to operate, require no special skills, and can be used by all categories of users. Cultivators of this series are environmentally-friendly, low-noise, and require minimum maintenance.

Engine power



1000-2000 W

Voltage



230V

Tilling width



≤ 36-55 CM

Reduced noise level



Lpa (7m) – 68 dB

- Protection from accidental start
- Environmentally safe and almost silent electric motor K&S
- High maneuverability
- Ergonomic control panel with adjustable handles (for model KS 2000T E)

- Chain transmission transfers up to 95% of engine torque (for model KS 2000T E)
- A wheel for easy transportation (for models KS 1500T E, KS 2000T E)
- Optimal ratio of power to weight



Environmentally-friendly and reliable engine Könnner & Söhnen®

Power button

Ergonomic control panel with adjustable handles

Transport wheel

Fender

Forged blades with protective side discs



3D REVIEW





KÖNNER & SÖHNEN ENGINE

Electric cultivators from Könnér & Söhnen® are equipped with a high-performance, reliable, environmentally-friendly and virtually silent engine.



DURABLE CUTTERS

Wear-resistant cutters are made of alloy steel, which allows easily handle your homesteads and continues cultivator service life. Model KS 2000T E is equipped with protective side discs for protection of plants during tilling.



EASY OPERATION

The cultivator requires no fuel and is incredibly easy to operate even in confined spaces. Vertically adjustable handles (model KS 2000T E) allow the cultivator to be adjusted to any user's height.



CASTERS

KS 2000T E and KS 1500T E models are equipped with transport wheels for the most convenient transportation. Wheels can be easily raised during operation.

TILLERS



KS 1000T E

Engine power	1000 W
Voltage	230 V
Engine type	electric
Tilling width	≤ 36 cm
Max. tilling depth	≤ 22 cm
Gross dimensions (LxWxH)	380x275x530 mm
Net weight	8 kg



KS 1500T E

Engine power	1500 W
Voltage	230 V
Engine type	electric
Tilling width	≤ 45 cm
Max. tilling depth	≤ 22 cm
Gross dimensions (LxWxH)	480x320x545 mm
Net weight	12 kg



KS 2000T E

Engine power	2000 W
Voltage	230 V
Engine type	electric
Tilling width	≤ 55 cm
Max. tilling depth	≤ 26 cm
Gross dimensions (LxWxH)	660x410x510
Net weight	29,8 kg





Environmentally safe and
almost silent electric motor K&S



KS 1000T E



KS 1500T E



KS 2000T E

Engine model	KS ECO 1000	KS ECO 1500	KS ECO 2000
Engine power, W	1000	1500	2000
Voltage, V	230	230	230
Frequency, Hz	50	50	50
Engine type	electric	electric	electric
Tilling width, cm	≤ 36	≤ 45	≤ 55
Max. tilling depth, cm	≤ 22	≤ 22	≤ 26
Noise level Lpa (7m)/Lwa, dB	68/93	68/93	68/93
Gross dimensions (LxWxH), mm	380x275x530	480x320x545	660x410x510
Net weight, kg	10	14,5	33,4
QR code			





GASOLINE TILLERS

WITH BELT DRIVE

Könner & Söhnen® **belt-driven gasoline cultivators** with a power of 4 to 7 HP are intended for processing all types of soils, from loose to virgin-clay. These belt-driven gasoline cultivators are practical, reliable and multifunctional agricultural units for solving multiple tasks, including preparation of soil of various hardness, planting of crops, harvesting, hilling. The unique, stylish design goes together with advanced technologies and compact dimensions. High-performance and fuel-efficient four-stroke cultivator engines from Könnner & Söhnen® comply with the latest EURO 5 emission standard, are designed for continuous operation and provide high performance.

Compact models KS 4HP-70 and KS 7HP-850A are equipped with transport wheel that provide enhanced maneuverability even on small land plots. Models KS 7HP-850A, KS 7HP-950A and KS 7HP-950S are suitable for accommodating extra attachments (hilling-up plow, subsoil plow, potato digger, metal wheels with grousers).

Engine power



4,0 – 7,0 HP

Gear



BELT DRIVE,
CHAIN DRIVE

Tilling width



≤ 50 – 108 CM



ARE SUITABLE FOR
ACCOMMODATING
ATTACHMENTS



Ergonomic control panel
(handles are adjustable vertically
by 180° and horizontally by 360°)

Powerful and reliable EURO 5
engine of Könnner & Söhnen®



Forged saber-shaped
cutters with plant shields
(suitable for any type of soil)

Toolbox
(for model KS 7HP-950S)

Adjustable plow holder.
The possibility of installing
additional attachments

Transport wheel or support leg

Tubeless wheels with
low profile rubber



3D REVIEW



WATCH THE VIDEO
OF MACHINERY
IN WORK





POWERFUL ENGINES

High-performance and robust K&S engines meet all European quality standards, including the latest EURO 5 emission standard. Each engine has its own individual serial number, which allows us to control the quality of production and service.



ERGONOMIC CONTROL PANEL

The ergonomic control panel allows you to quickly control and easily steer the cultivator. Cultivators have vertically and horizontally adjustable handles for convenient operation and compact storage, model KS 7HP-950S additionally equipped with a toolbox.



FORGED CUTTERS

With forged saber-shaped cutters, the cultivator is suitable for any type of soil, both virgin and well-managed soil. They are supplied with protective shields (except for model KS 7HP-850A). The tilling width for such models is from 50 up to 108 cm, and the tilling depth is up to 31 cm.



QUALITY IN DETAILS

All connections and fasteners are perfectly thought out, designed with a margin of safety for long-term and comfortable use of the cultivator. Damage-resistant elements, high-quality fittings, special rubber gaskets to reduce vibration and noise emission guarantee comfortable use of the cultivator.

TILLERS



KS 4HP-70

Engine power	4 hp
Engine type	gasoline
Tilling width	50-70 cm
Max. tilling depth	≤ 27 cm
Forward speed	1
Adjustable handles	vertically
Gross dimensions (LxWxH)	680x380x650 mm
Net weight	36 kg



KS 7HP-850A

Engine power	7 hp
Engine type	gasoline
Tilling width	≤ 80 cm
Max. tilling depth	≤ 31 cm
Forward speed	+1 0
Adjustable handles	vertically
Gross dimensions (LxWxH)	690x380x770 mm
Net weight	52 kg



KS 7HP-950A

Engine power	7 hp
Engine type	gasoline
Tilling width	≤ 108 cm
Max. tilling depth	≤ 31 cm
Forward speed	+2 +1 0 -1
Adjustable handles	vertically
Gross dimensions (LxWxH)	845x460x660 mm
Net weight	62 kg



KS 7HP-950S

Engine power	7 hp
Engine type	gasoline
Tilling width	≤ 108 cm
Max. tilling depth	≤ 31 cm
Forward speed	+2 +1 0 -1
Adjustable handles	vertically/horizontally
Gross dimensions (LxWxH)	780x460x780 mm
Net weight	80 kg



ATTACHMENTS

Belt-driven cultivator models KS 7HP-850A, KS 7HP-950A and KS 7HP-950S from Könnér & Söhnen®, as well as models with direct drive and gearbox are suitable for **accommodating attachments**. A wide range of attachments designed to process all types of soils to maximize customer satisfaction.

Potato plough



KS PP4

Weight	4,5 kg
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Sided plough



KS SP2

Weight	4,2 kg
--------	--------



Adjustable ditcher



KS AD3

Weight	4 kg
--------	------



Simple ditcher



KS SD1

Weight	2 kg
--------	------



Blade



KS BL10



Pneumatic wheels



KS RW40

Diameter	4.00 - 8"
Weight	4 kg



Metal grouser



KS MG40

Diameter	46,5 cm
Width	10 cm
Weight	3,3 kg



Axle for wheel mounting



KS AT23

Diameter	23 cm
Length	20 cm

(for models KS 7HP-850A, KS 7HP-950A, KS 7HP-950S, KS 7HP-1050G, KS 9HP-1350G-3)





GASOLINE TILLERS

WITH GEARBOX

Könner & Söhnen® continues to improve **heavy-duty cultivator models** with gearboxes that can substitute more expensive diesel cultivators or even a one-axle mini-tractor. The existing range includes a model KS 9HP-1350G-3 with enlarged gearbox with three forward speeds and one reverse speed. In addition, the model has an active drive rear shaft function, which allows the use of equipment such as a motor pump or spray pump with a cultivator. Moreover, the model is suitable for accommodating a trailer for goods transportation. This model range has a tilling width of up to 134 cm!

The gearbox with gear drive makes the cultivators more reliable, durable and ready for heavy duty tasks. High-performance Könner & Söhnen® engines allow you to cope with tasks of any complexity and meet all European quality standards, including the latest EURO 5 emission standards.

Engine power



7,0 - 9,0 HP

Gear



BEVEL GEAR DRIVE

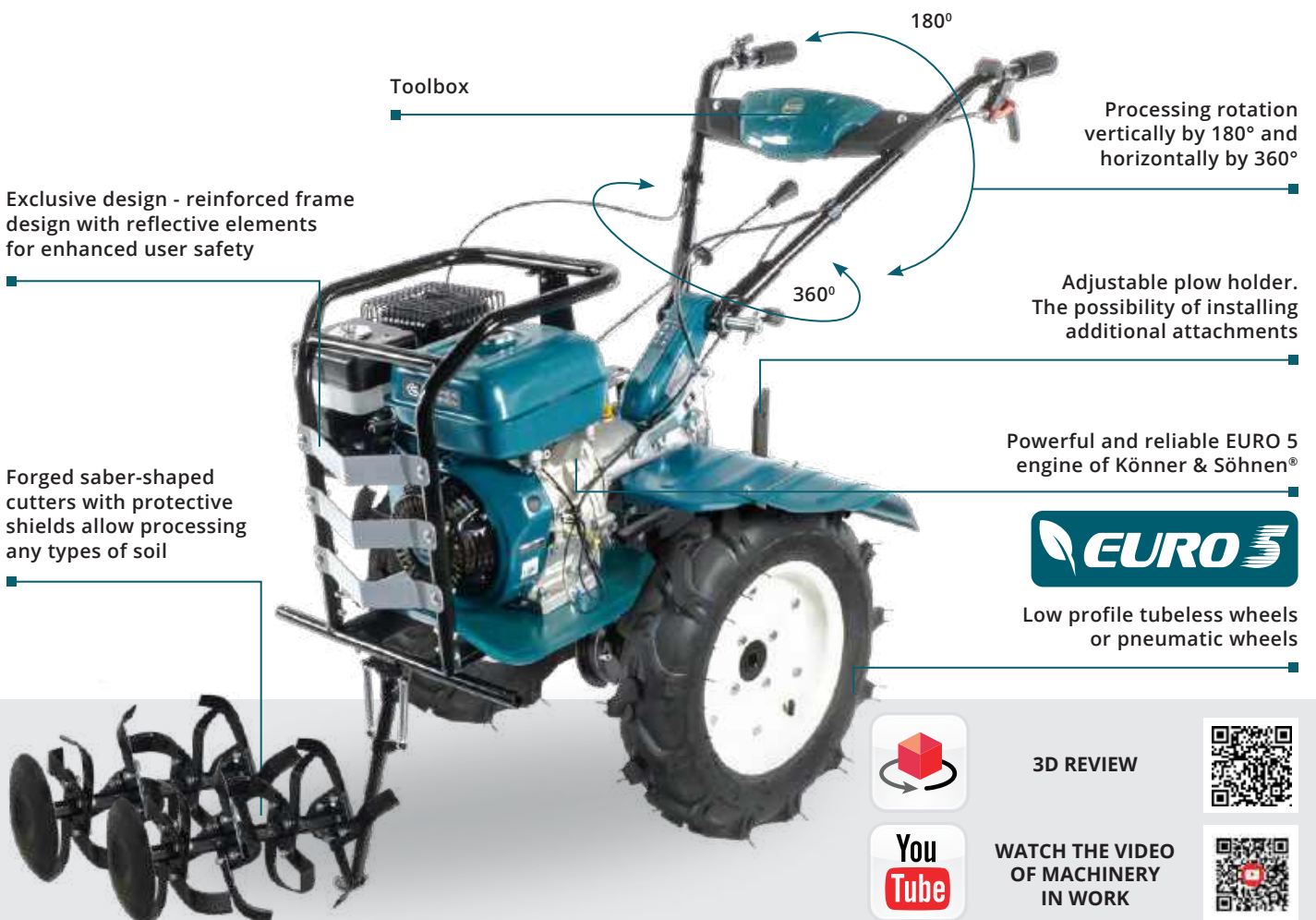
Tilling width



≤ 58 - 134 CM



ARE SUITABLE FOR ACCOMMODATING ATTACHMENTS



3D REVIEW



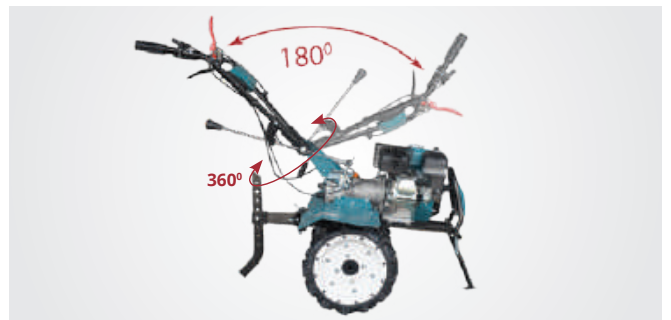
WATCH THE VIDEO OF MACHINERY IN WORK





POWERFUL ENGINES

Proprietary high-performance engines from Könnér & Söhnen have an increased lifespan. They are characterized by an easy start and reduced vibration. Each engine has its own individual serial number, which allows us to control the quality of production and service.



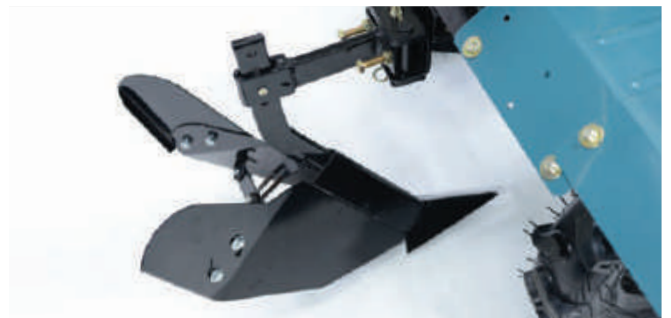
ERGONOMIC CONTROL PANEL

The ergonomic control panel allows you to quickly control and easily steer the cultivator. The possibility of vertical adjustment of the handles by 180° and horizontal by 360° allows you to customize the cultivator for any user, provides easy control and convenient storage of the cultivator. The panel is equipped with a toolbox.



TUBELESS OR PNEUMATIC WHEELS

These cultivator models are equipped with high-quality wheels. Model KS 7HP-1050G has low-profile tubeless rubber wheels, which require no pumping during operation. Cultivator model KS 9HP-1350G-3 in a set complete with high-quality pneumatic wheels with a diameter of 4,00-8" or 5,00-12".



ACCESSORIES

A wide range of attachments for a wide range of activities (planting of crops, harvesting, hilling, etc.) is suitable for processing all soil types to maximize customer satisfaction.

TILLERS



KS 600RTG



Engine power	7 hp
Engine type	gasoline
Tilling width	≤ 58 cm
Max. tilling depth	≤ 20 cm
Forward speed	+1 0 -1
Adjustable handles	vertically
Gross dimensions (LxWxH)	1170x570x440 mm
Net weight	65 kg

NEW!



KS 7HP-1000G



Engine power	7 hp
Engine type	gasoline
Tilling width	≤ 109 cm
Max. tilling depth	≤ 31 cm
Forward speed	+2 +1 0 -1
Adjustable handles	vertically
Gross dimensions (LxWxH)	845x460x690 mm
Net weight	70 kg

NEW!



KS 7HP-1050G



Engine power	7 hp
Engine type	gasoline
Tilling width	≤ 108 cm
Max. tilling depth	≤ 35 cm
Forward speed	+2 +1 0 -1
Adjustable handles	vertically/horizontally
Gross dimensions (LxWxH)	880x460x660 mm
Net weight	93 kg



KS 9HP-1350G-3



Engine power	9 hp
Engine type	gasoline
Tilling width	≤ 134 cm
Max. tilling depth	≤ 35 cm
Forward speed	+3 +2 +1 0 -1
Adjustable handles	vertically/horizontally
Gross dimensions (LxWxH)	910x570x750 mm
Net weight	94 kg



ATTACHMENTS

Belt-driven cultivator models KS 7HP-850A, KS 7HP-950A and KS 7HP-950S from Könnér & Söhnen®, as well as models with direct drive and gearbox are suitable for **accommodating attachments**. A wide range of attachments designed to process all types of soils to maximize customer satisfaction.

Metal wheels



KS MW40

Diameter	39,5 cm
Width	18,5 cm
Weight	8 kg



Metal wheels



KS MW45

Diameter	42 cm
Width	19,5 cm
Weight	8 kg



Pneumatic wheels



KS RW50

Diameter	5.00 - 12"
Weight	9,6 kg



Weeding plough



KS DP1

Weight	13 kg
--------	-------



Adjustable plough



KS AP1

Net/Gross weight	10,9/12,2 kg
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Weeding plough



KS WP1

Net/Gross weight	7,6 / 8,3 kg
------------------	--------------

Weeding triple plough KS WP1 for weeding and loosening soil.





GASOLINE TILLERS







KS 4HP-70

KS 7HP-850A

KS 7HP-950A

KS 7HP-950S

Engine model	KS 160	KS 240	KS 240	KS 240
Engine power, hp	4,0	7,0	7,0	7,0
Engine volume, cm ³	139	212	212	212
Engine type	gasoline	gasoline	gasoline	gasoline
Tilling width, cm	50-70	≤ 80	≤ 108	≤ 108
Max. tilling depth, cm	≤ 27	≤ 31	≤ 31	≤ 31
Fuel tank volume, l	1,5	3,6	3,6	3,6
Crank case volume, l	0,6	0,6	0,6	0,6
Transmission case volume, l	0,1	-	1,2	1,2
Gear	belt drive, worm drive	belt drive, chain drive		
Forward speed	1	+1 0	+2 +1 0 -1	+2 +1 0 -1
Reverse	-	-	+	+
Adjustable handles	vertically	vertically	vertically	vertically, horizontally
Wheels	transport wheel	transport wheel	transport wheel, possibility to complete set with additional pneumatic wheels	tubeless wheels with low profile rubber
Noise level Lpa (7 m)/Lwa, dB	68/93	73/98	73/98	73/98
Gross dimensions (LxWxH), mm	680x380x650	690x380x770	845x460x660	780x460x780
Net weight, kg	36	52	62	80
Gross weight, kg	39	56	71	89
QR code				



Könner & Söhner® engines are reliable, high-performance and cost-effective, and conform to European quality standards, including the latest **standard of emission EURO 5**



KS 600RTG

KS 7HP-1000G

KS 7HP-1050G

KS 9HP-1350G-3

Engine model	KS 240	KS 240	KS 240	KS 290
Engine power, hp	7,0	7,0	7,0	9,0
Engine volume, cm ³	212	212	212	270
Engine type	gasoline	gasoline	gasoline	gasoline
Tilling width, cm	≤ 58	≤ 109	≤ 108	≤ 134
Max. tilling depth, cm	≤ 20	≤ 31	≤ 35	≤ 35
Fuel tank volume, l	3,6	3,6	3,6	6,0
Crank case volume, l	0,6	0,6	0,6	1,1
Transmission case volume, l	2	1,2	1,2	1,5
Gear	direct drive with gearbox			
Forward speed	+1 0 -1	+2 +1 0 -1	+2 +1 0 -1	+3 +2 +1 0 -1
Reverse	+	+	+	+
Adjustable handles	vertically	vertically	vertically, horizontally	vertically, horizontally
Wheels	pneumatic wheels 4.00-7"	front wheel 8*1.75, pneumatic wheels 4.00-8"	low-profile tubeless wheels 4.00-10"	pneumatic wheels 4.00-8" or 5.00-12"
Noise level Lpa (7 m)/Lwa, dB	73/98	73/98	73/98	73/98
Gross dimensions (LxWxH), mm	1170x570x440	845x460x660	910x460x690	910x570x750
Net weight, kg	65	70	83	94
Gross weight, kg	89	80	92	110
QR code				

TILLERS



Könnér & Söhner® engines are reliable, high-performance and cost-effective, and conform to European quality standards, including the latest **standard of emission EURO 5**



ALL-WEATHER MULTIFUNCTION MACHINE 4 IN 1

This **high-performance machine** combines multiple functions for agricultural work throughout the year. The outstanding feature of this machine is self-propelled capacity and active attachments, which eliminate the need for extra user effort and allow the machine to cope with a wide range of tasks.

A variety of attachments mounted on the motor block of the multifunction machine can be used for such works as cleaning snow, dust, dirt, fallen leaves or other debris. A machine with such features will be useful not only in a private house with a backyard, a country house, but also for hotel facilities, suburban guest houses, garden societies, etc.

5 KEY ADVANTAGES of Könnert & Söhnen multifunction machine:

- ✓ **COST SAVER** - No need to buy separate units
- ✓ **TIME SAVER** - Attachments can be changed in seconds without additional tools and special skills
- ✓ **EFFORT SAVER** - No need to assemble and disassemble various units, just replace the attachment
- ✓ **OPERATION AND MAINTENANCE SAVER** - No need to refuel and maintain various units
- ✓ **STORAGE SPACE SAVER** - With compact design, the machine takes up space of only one item and is used all year round rather than standing idle most of the year



**4 IN 1
INDISPENSABLE ASSISTANT
AT ANY TIME OF THE YEAR**

MANEUVERABILITY AND VERSATILITY

Compact size and small angle of turn provide versatility and increased maneuverability of this model with the entire range of attachments even in confined spaces

INCREASED NUMBER OF GEARS

The number of gears (5 forward and 2 reverse gears) enables to choose the optimal speed for each job

QUALITY IN DETAILS

All connections and fasteners are perfectly thought out and designed with a safety margin for long-lasting and reliable operation of the machine

PROPRIETARY K&S ENGINE

Reliable, robust and heavy-load 6,5 HP K&S gasoline engine meets the latest EURO 5 emission standard



MAXIMUM PRODUCTIVITY

A direct drive transmission has increased power and ensures better performance with each attachment

ALL-SEASON HIGH-TREAD TIRES

Wide wheels 13*4.1-6 with all-season high-tread tires provide excellent ground and snow passability



WATCH THE VIDEO
OF MACHINERY
IN WORK





4 IN 1
INDISPENSABLE ASSISTANT
AT ANY TIME OF THE YEAR



Multifunction machine

KS 7HP-MFM 60

Multifunction machine

KS 7HP-MFM 80E

Drive	direct	direct
Engine model	KS 220	KS 220
Engine type	gasoline	gasoline
Engine power	6,5 hp	6,5 hp
Engine start	manual	manual/electric
Fuel tank volume	3,6 l	3,6 l
Fuel consumption*	1,2 - 1,8 l/h	1,2 - 1,8 l/h
Net weight	72 kg	78 kg
Gross weight	80 kg	88 kg

*Fuel consumption depends on many factors, such as load, fuel quality, season, altitude, technical condition of the machine.






ATTACHMENTS FOR MULTIFUNCTION MACHINE

The **sweeper attachment** for the Könnér & Söhnen® multifunction machine is a universal item for all-year-round use. It will quickly and effectively cope with dust, dirt, fallen leaves, and snow drifts. It is an indispensable helper in maintaining perfect cleanliness in the yard, on driveways to houses and garages, as well as on walkways in parks, squares and other surrounding areas.

- ✓ **Top-notch hard bristles**
- ✓ **Adjustable angle of turning for easy cleaning**

SWEEPER




KS 7HP-MFM 60 KS 7HP-MFM 80E				
Brush diameter	345 mm			
Working width	60/80 cm			
Adjustable angle of turning	± 15°			
Brush speed	255 rpm			
Gross dimensions (60/80 cm)	620/820x570x420 mm			
Net weight (60/80 cm)	32/35 kg			
Gross weight (60/80 cm)	38/43 kg			



The **dust box attachment** for the Könnér & Söhnen® sweeper serves to collect litter and protects against throw-off of debris during high-speed cleaning.

- ✓ **Capacious dust box for dust and debris**
- ✓ **High maneuverability thanks to 360-degree wheels**

DUST BOX



KS MFM-DB 60 KS MFM-DB 80				
Working width	60/80 cm			
Gross dimensions (60/80 cm)	630/830x390x335 mm			
Net weight (60/80 cm)	6,6/8,5 kg			
Gross weight (60/80 cm)	8,5/10 kg			



ADDITIONAL ACCESSORIES

A set of spare brushes for a wide range of cleaning work throughout the year. Suitable for KS 7HP-MFM 80E and KS 7HP-MFM 60 sweepers. They handle dust, dirt, fallen leaves and snow drifts quickly and efficiently.

SET OF SPARE BRUSHES

KS MFM BK 80/26			
Gross dimensions (60/80 cm)	360x360x340 mm		
Net weight (60/80 cm)	4,96 kg		
Gross weight (60/80 cm)	5,88 kg		



The active **snow blower attachment** for the Könnér & Söhnen® multifunction machine with a powerful gear auger will quickly cope with large snow drifts and blockages, with any type of snow.

- ✓ Sharp serrated edges can cope even with stale snow
- ✓ Reinforced bucket with stiffeners
- ✓ Shovel for cleaning a chute and screw from snow in a set

SNOW BLOWER



KS MFM-SB 60	
Chute turning radius	270°
Snow throwing range	0-10 m
Gross dimensions	600x470x470 mm
Net weight	21 kg
Gross weight	23 kg



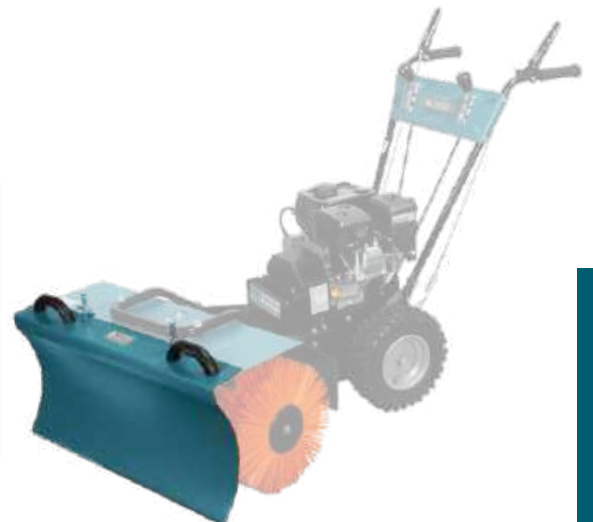
The **snow pusher attachment** is designed not only for removing of snow and other bulk materials, but also for cutting and leveling the soil.

- ✓ It has grips for easy handling

SNOW SHOVEL



KS MFM-SS 60 KS MFM-SS 80	
Working width	60/80 cm
Gross dimensions (60/80 cm)	620/820x465x110 mm
Net weight (60/80 cm)	6,6/7,7 kg
Gross weight (60/80 cm)	8,8/9,8 kg



ADDITIONAL ACCESSORIES

ANTI-SKID CHAIN



KS MFM SC 13/4.1	
Net weight (60/80 cm)	2,18 kg

PNEUMATIC WHEELS



KS MFM RW 13/4.1	
Wheel size	13*4.1-6

LED LAMP



KS MFM LAMP	
Net weight (60/80 cm)	0,16 kg



MULTIFUNCTION MACHINE



LOG SPLITTERS

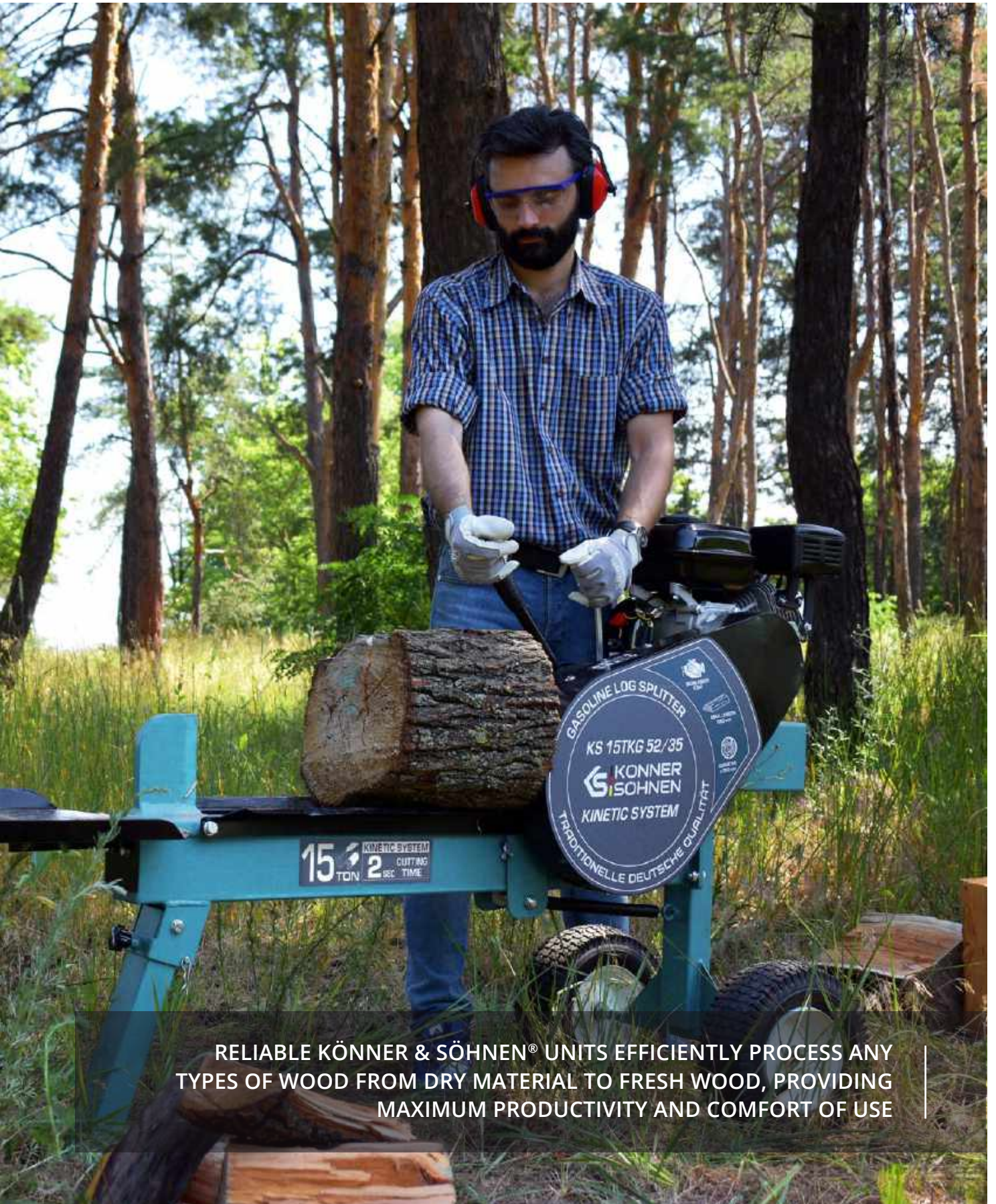
AND WOOD CHIPPERS

Woodworking equipment from Könnert & Söhne® includes electric and gasoline wood splitters, with splitting force **from 7 to 27 tons**, as well as wood shredders with a capacity of **6,5 to 15 hp**. It is reliable and durable machinery for natural wood processing or wood waste.

Cleaning in the garden, in the yard or harvesting firewood can cause significant inconvenience, require a lot of time and effort. Garden shredders and wood splitters, presented in the assortment Könnert & Söhne®, can easily handle this task. Secondary processing of waste will help you not only save your own funds, but also to preserve natural resources.



 **7 T – 27 T**



RELIABLE KÖNNER & SÖHNEN® UNITS EFFICIENTLY PROCESS ANY TYPES OF WOOD FROM DRY MATERIAL TO FRESH WOOD, PROVIDING MAXIMUM PRODUCTIVITY AND COMFORT OF USE

GARDEN EQUIPMENT



ELECTRIC AND GASOLINE LOG SPLITTERS

Dimax Int. GmbH (Germany) expands its range of garden equipment and proudly presents brand new **electric and gasoline log splitters** from Könnert & Söhne®. Our model range includes both hydraulic and kinetic log splitters. The use of powerful motors in combination with high-quality components allows splitting a large number of logs, both very dry and wet, with a log diameter ranging from 300 to 550 mm and the maximum splitting length reaching 650 mm. These units are suitable for both private and commercial use.

Kinetic log splitters from Könnert & Söhne® are high-performance machines with a cutting time of about 2 seconds. They are thus 5-7 times faster than hydraulic log splitters. To split a log, you just need to raise the lever and allow the log splitter to do the rest of the job for you. Smooth operation of hydraulic log splitters allows safe splitting of logs. Könnert & Söhne® log splitters ensure quick and easy splitting of a large number of logs.

Splitting force



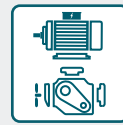
7-27 TON

Max. splitting length



520 - 650 mm

Engine type



ELECTRIC/GASOLINE

Max. splitting diameter



300 - 550 mm

Protective metal grill

Reinforced frame

Tow bar for vehicle

Support wheel with brake (for model KS 27THG 65/55) or stiffener

Two-lever control system for increased operator safety

Working position: vertical / horizontal (for model KS 27THG 65/55)

Log pusher with a maximum splitting force of 27 tons

Splitter wedge welded into the frame

Transport wheels



WATCH THE VIDEO OF MACHINERY IN WORK



Powerful and reliable EURO 5 engine of Könnert & Söhne®

GASOLINE LOG SPLITTERS

Könnér & Söhnen® **gasoline log splitters** are characterized by high power, resistance to moisture and temperature drops. These highly mobile and mains-independent machines are equipped with a cutting-edge engine that meets all European quality standards, including the EURO 5 emission standard.

✔ Könnér & Söhnen kinetic log splitters are outstanding time savers, as the splitting capacity depends on how quickly you can feed logs for splitting.

KS 15TKG 52/35	
Log splitter type	kinetic
Engine power	6,5 hp
Splitting force	15 ton
Engine type	gasoline
Max. splitting length	520 mm
Max. splitting diameter	350 mm
Cutting time	~ 2 sec.
Working position	horizontal
Wheels	12"
Gross dimensions (LxWxH)	1400x380x610 mm
Net weight	97 kg



✔ The powerful and high-performance KS 27THG 65/55 hydraulic log splitter with a splitting force of 27 tons combines the capabilities of horizontal and vertical automated processes, which is especially suitable for splitting large logs. There is no need to lift heavy logs high.

KS 27THG 65/55	
Log splitter type	hydraulic
Engine power	6,5 hp
Splitting force	27 ton
Engine type	gasoline
Max. splitting length	650 mm
Max. splitting diameter	550 mm
Cutting time	~ 15 sec.
Working position	vertical/horizontal
Wheels	16"*4.8-8, support wheel with brake
Gross dimensions (LxWxH)	2250x505x570 mm
Net weight	260 kg



Log splitters come complete with protective shield, gloves and protective metal grill.

GARDEN EQUIPMENT



ELECTRIC LOG SPLITTERS

ELECTRIC LOG SPLITTERS

Electric log splitters from Könnér & Söhnen® are compact and mobile devices equipped with a robust 2000 W engine. They are easy to operate, environmentally friendly and can be operated even indoors. They do not require complex maintenance or refueling, produce no exhaust gases and are easy to clean.

✓ **Compact and mobile Könnér & Söhnen® electric log splitters are easy to operate, transport and store. Smooth operation allows safe splitting of logs, so that you have plenty of time to put in another log.**



KS 7THE 52/30

Log splitter type	hydraulic
Engine power	2000 W
Splitting force	7 ton
Engine type	electric
Max. splitting length	520 mm
Max. splitting diameter	300 mm
Cutting time	~ 10 sec.
Working position	horizontal
Wheels	6"
Gross dimensions (LxWxH)	980x270x520 mm
Net weight	47 kg



✓ **Driven by an electric motor, the flywheel of the Könnér & Söhnen electric log splitter accumulates enormous kinetic energy allowing an operator to quickly and easily split a large number of logs.**



KS 8TKE 52/35

Log splitter type	kinetic
Engine power	2000 W
Splitting force	8 ton
Engine type	electric
Max. splitting length	520 mm
Max. splitting diameter	350 mm
Cutting time	~ 2 sec.
Working position	horizontal
Wheels	8"
Gross dimensions (LxWxH)	1270x340x780 mm
Net weight	110 kg



Log splitters come complete with protective shield, gloves and protective metal grill.

VERTICAL ELECTRIC LOG SPLITTERS



Könner & Söhnen® **vertical log splitters** are high-performance units designed for heavy-duty applications. They feature a reliable electric motor and a hydraulic drive. All nodes are adapted to work for a long time without interruption in an intensive mode. The massive structure of the log splitter features transport wheels for easy handling and does not take up much storage space.

✔ The electric log splitter **KS 8THE V 55/40** from Könner & Söhnen easily handles any type of wood, has maximum performance and durability.

KS 8THE V 55/40	
Log splitter type	hydraulic
Engine power	2300 W
Splitting force	8 ton
Engine type	electric
Max. splitting length	550 mm
Max. splitting diameter	400 mm
Cutting time	~ 15 sec.
Working position	vertical
Wheels	8"
Gross dimensions (LxWxH)	820x990x1500 mm
Net weight	114 kg



✔ The massive construction of the electric log splitter **KS 12THE V 65/40** from Könner & Söhnen has greater stability and a reduced level of vibration feedback due to the large base area. The lower position of the splitter wedge eliminates the need to lift the logs high for splitting.

KS 12THE V 65/40	
Log splitter type	hydraulic
Engine power	2300 W
Splitting force	12 ton
Engine type	electric
Max. splitting length	650 mm
Max. splitting diameter	400 mm
Cutting time	~ 25 sec.
Working position	vertical
Wheels	8"
Gross dimensions (LxWxH)	770x610x1550 mm
Net weight	110 kg



Log splitters come complete with protective shield, gloves and protective metal grill.

GARDEN EQUIPMENT



ELECTRIC AND GASOLINE LOG SPLITTERS






KS 7THE 52/30



KS 8TKE 52/35



KS 15TKG 52/35

Engine type	electric	electric	gasoline
Log splitter type	hydraulic	kinetic	kinetic
Voltage, V	230	230	-
Frequency, Hz	50	50	-
Engine power	2000 W	2000 W	6,5 hp
Splitting force, ton	7	8	15
Max. splitting length, mm	520	520	520
Max. splitting diameter, mm	300	350	350
Cutting time, sec.	~ 10	~ 2	~ 2
Working position	horizontal	horizontal	horizontal
Flywheel rotation speed, rpm	-	400	450
Winding type	copper	copper	-
Wheels	6"	8"	12"
Gross dimensions (WxLxH), mm	980x270x520	1270x340x780	1400x380x610
Net weight, kg	47	110	97
Gross weight, kg	49	130	110
Protection class	IP54M	IP54M	IP54M
QR code			



ADDITIONAL ACCESSORIES



K&S SUPPORT BRACKET

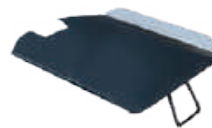


TABLE FOR LOG SPLITTER



TREE FELLING LEVER

KS 7THE 52/30	KS Bracket	-	KS Lever
KS 8TKE 52/35	-	KS 8-15Table	KS Lever
KS 15TKG 52/35	-	KS 8-15Table	KS Lever
KS 27THG 65/55	-	KS 27Table	KS Lever
KS 8THE V 55/40	-	-	KS Lever
KS 12THE V 65/40	-	-	KS Lever



Könner & Söhnen® engines are reliable, high-performance and cost-effective, and conform to European quality standards, including the latest **standard of emission EURO 5**



KS 8THE V 55/40



KS 12THE V 65/40



KS 27THG 65/55

Engine type	electric	electric	gasoline
Log splitter type	hydraulic	hydraulic	hydraulic
Voltage, V	230	230	-
Frequency, Hz	50	50	-
Engine power	2300 W	2300 W	6,5 hp
Splitting force, ton	8	12	27
Max. splitting length, mm	550	650	650
Max. splitting diameter, mm	400	400	550
Cutting time, sec.	~ 15	~ 25	~ 15
Working position	vertical	vertical	vertical/horizontal
Flywheel rotation speed, rpm			-
Winding type			-
Wheels	8"	8"	16"*4.8-8, support wheel with brake
Gross dimensions (WxLxH), mm	820x990x1500	770x610x1550	2250x505x570
Net weight, kg	114	110	260
Gross weight, kg			295
Protection class	IP54M	IP54M	IP54M
QR code			



Könnner & Söhnen® engines are reliable, high-performance and cost-effective, and conform to European quality standards, including the latest **standard of emission EURO 5**



WOOD CHIPPERS SHREDDERS

Dimax Int. GmbH (Germany) expands the range of garden equipment and proudly presents highly mobile and mains-independent **gasoline wood chippers shredders** from Könnert & Söhne®. These units are often used in private country houses, in the field, vineyards and gardens of large size, and useful for utilities during cleaning of parks, squares, etc.

Removing dry tree branches and pruning shrubs can create tons of waste, and burning such waste is prohibited by law as it poses a threat not only to human health, but also to the environment. Using a shredder will easily solve this problem. Waste recycling will not only save your money, but also conserve natural resources.

Engine power



6,5 – 15 HP

Chip ejection height



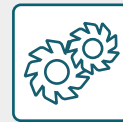
1100 – 1600 MM

Engine start



MANUAL/ELECTRIC

Blade



2 STEEL BLADES

MAXIMUM SAFETY AND COMFORTABLE USE ARE GUARANTEED BY:

- a large feeding hopper, which enables easy feeding of branches into the machine and their easy shredding;
- a silicone cover located on the inlet, which prevents ejection of the material being shredded from the feeder side;
- a protective kit (polycarbonate protective shield, safety gloves, earmuffs) included in the scope of supply.

**WASTE RECYCLING
SAVES NATURAL
RESOURCES**



Outlet hopper with adjustable ejection height

Large feed hopper for easy feeding of material to be shredded

High-performance and reliable K&S engine meets all European quality standards, including EURO 5

Emergency stop button (for model KS 700WS)



Powerful cutting mechanism shreds wood waste up to 120 mm in total diameter

Robust, stable frame structure

Stability and maneuverability thanks to the low-lying center of gravity

Tow bar for vehicle

Pneumatic wheels for easy transport



WATCH THE VIDEO
OF MACHINERY
IN WORK



Gasoline wood chippers shredders from Könnér & Söhnen® are designed for chipping/shredding various industrial wood waste and garden plant waste (branches, vines, bark, etc.) into re wood chips or industrial chips of 3-20 mm in size. The resulting chips can be used as heating fuel in solid fuel and pyrolysis boilers, replaces, furnaces and other heating devices. In addition, chips can be used as a mulching material for plants.

Wood chippers shredders are equipped with high-speed hardened carbon steel blades that can process all types of wood and other plant waste from dry material up to fresh wood waste up to 120 mm in diameter.



✓ **TWO HIGH-SPEED HARDENED CARBON STEEL BLADES**

Effectively process all types of wood and other plant waste from dry material up to fresh wood waste up to 120 mm in total diameter.

✓ **ROBUST AND PROPRIETARY ENGINE**

Cutting edge gasoline engines meet all European quality standards, including EURO 5.

✓ **MANEUVERABILITY IN TRANSPORTATION AND STABILITY IN USE**

The machine's low center of gravity makes this device stable and easy to maneuver despite its weight.

✓ **EASY MOVEMENT**

Shredders are equipped with pneumatic wheels for easy movement even on uneven surfaces, for example, on gravel or soil.

✓ **HIGH-PERFORMANCE MODEL**

The massive structure of the KS 700WS wood chipper shredder and the extremely efficient 420 cm³ 15 hp engine make this device extremely reliable, robust, durable and ready for continuous use.



KS 400WS

Engine power	6,5 hp
Engine start	manual
Number of cutting blades	2 pc.
Max total diameter (for upper hopper)	76 mm
One branch diameter (for upper hopper)	10 mm
Max total diameter (for side cone)	76 mm
One branch diameter (for side cone)	60 mm
Shredded chip size	3-4 mm
Wheels	10"
Net dimensions (LxWxH)	750x480x1150 mm
Net weight	70 kg



KS 500WS

Engine power	6,5 hp
Engine start	manual
Number of cutting blades	2 pc.
Max total diameter (for upper hopper)	76 mm
One branch diameter (for upper hopper)	30 mm
Chip ejection height	1100 mm
Shredded chip size	10-15 mm
Wheels	12"
Net dimensions (LxWxH)	1500x740x1300 mm
Net weight	95 kg



KS 700WS

Engine power	15 hp
Engine start	manual/electric
Number of cutting blades	2 pc.
Max total diameter (for upper hopper)	120 mm
One branch diameter (for upper hopper)	30 mm
Chip ejection height	1600 mm
Shredded chip size	10-20 mm
Wheels	16"
Net dimensions (LxWxH)	2550x1100x1600 mm
Net weight	210 kg



Wood chippers shredders come complete with polycarbonate protective shield, gloves, and earmuffs.



KS 400WS



KS 500WS



KS 700WS

Engine power, hp	6,5	6,5	15
Engine start	manual	manual	manual/electric
Number of cutting blades, pc.	2	2	2
Max total diameter (for upper hopper), mm	76	76	120
One branch diameter (for upper hopper), mm	10	30	30
Max total diameter (for side cone), mm	76	-	-
One branch diameter (for side cone), mm	60	-	-
Chip ejection height, mm	-	1100	1600
Shredded chip size, mm	3-4	10-15	10-20
Max. Blade Speed, rpm	2400	3000	3000
Engine type	gasoline 4-stroke	gasoline 4-stroke	gasoline 4-stroke
Engine cylinder volume, cm ³	196	196	420
Engine model	KS 230	KS 230	KS 430
Engine speed, rpm	3600	3600	3600
Fuel tank volume, l	3,6	3,6	6,5
Crank case volume, l	0,6	0,6	1,1
Wheels	10"	12"	16"
Net dimensions (LxWxH), mm	920x730x1275	1500x740x1300	2550x1100x1600
Gross dimensions (LxWxH), mm	750x480x1150	880x480x760	1140x660x1120
Net weight, kg	70	95	210
Gross weight, kg	80	110	230
Protection class	IP54M	IP54M	IP54M
QR code			



Könnert & Söhner® engines are reliable, high-performance and cost-effective, and conform to European quality standards, including the latest **standard of emission EURO 5**



WATER PUMPS

HIGHLY PRODUCTIVE

Könner & Söhne® **gasoline water pumps** are autonomous, mobile and high-performance devices. Strong and stable construction of motor pump ensures fast and productive pumping of water in significant volumes where it can not be done manually. Such units are capable in the shortest possible time drain a flooded basement or cope with a burst sewer.

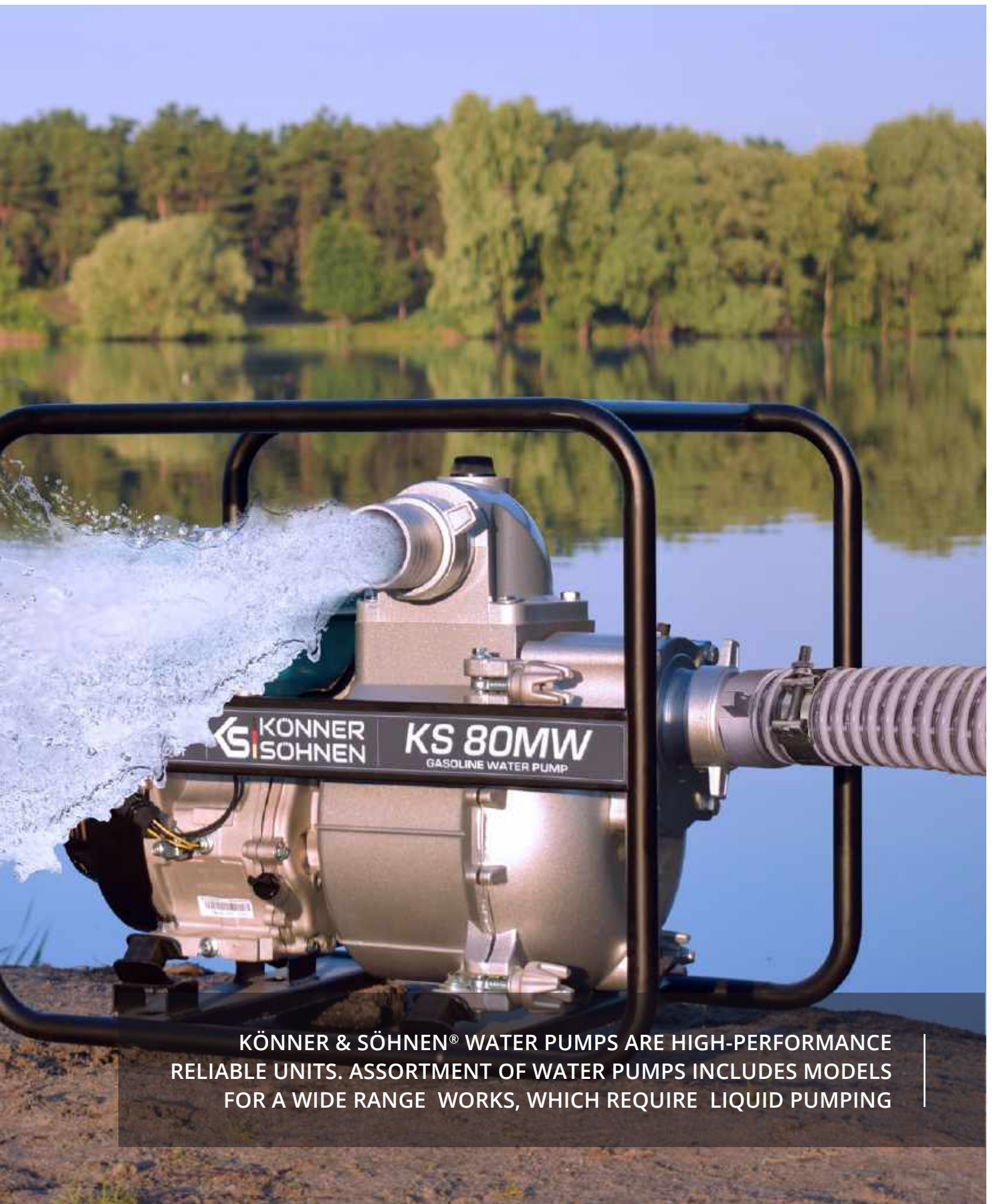
It can be used for removing of trash water and impurities, for can be drained using a motor pump small bodies of water, transport clean water, supply it to fire stations and fight the fire directly.



TRADITIONS OF GERMAN QUALITY
ARE AFFORDABLE FOR EVERYBODY!

**KÖNNER
SÖHNEN**

 **20m – 50m**



**KÖNNER & SÖHNEN® WATER PUMPS ARE HIGH-PERFORMANCE
RELIABLE UNITS. ASSORTMENT OF WATER PUMPS INCLUDES MODELS
FOR A WIDE RANGE WORKS, WHICH REQUIRE LIQUID PUMPING**

GARDEN EQUIPMENT



WATER PUMPS

Dimax Int. GmbH (Germany) presents a range of Könnert&Söhne® water pumps with multiple applications: models for heavily contaminated water and aggressive liquids (sea water, chemicals) as well as upgraded existing models. All Könnert&Söhne® water pumps now feature a reinforced steel frame for heavy-duty operations, increased service life and more powerful engines.

Motor pumps from Könnert & Söhne® are perfect for country houses, cottages, plots where there is a need for pumping water: pumping it out of basements and wells, draining flooded areas, watering fields, etc. They require no power supply and therefore can be used in places remote from stationary outlets.

Max lifting height



20 M-50 M

Reinforced steel frame



Ø 28 MM

Engine start



MANUAL

Engine power



6,5-9,0 HP

In the new season, we have updated the range of existing motor pumps and added new models:

- ✓ For clean water
- ✓ For mud and trash water
- ✓ For aggressive liquids (sea water, chemicals)



Steel frame Ø 28 mm

Additional protective grill to prevent burns

Wide suction orifice

Strong housing

Reinforced frame construction for Heavy Duty tasks



Powerful and economic EURO 5 engine of Könnert & Söhne®



3D REVIEW





RELIABLE BRANDED ENGINES

The engines used in the pumps Könnér & Söhnen® are manufactured under the strict control of German engineers, including the latest EURO 5 emission standard.



INDIVIDUAL SERIAL NUMBER ON ENGINES

The proprietary robust K&S engine has its own individual serial number, which allows us to control the quality of production and service. Könnér & Söhnen engines are characterized by easy start and reduced vibration.



EQUIPMENT

The fully molded housing of Könnér & Söhnen® motor pumps is made of high-strength aluminum; it is resistant to corrosion, temperature effects, and deformation. Könnér & Söhnen motor pumps are equipped with an enlarged steel fuel tank, which extends the operating time without additional refueling.



DAMPERS TO LOWER VIBRATION

All models of the Könnér & Söhnen® pumps are equipped with rubber feet to reduce vibrations. Thanks to the rubber damper, the working pump will not damage the surface covering, and the frame coating will not be scratched.



CLEAN WATER MOTOR PUMPS

KS 50 and KS 80 **clean water motor pumps** of the German trademark “Könner & Söhnen” are suitable not only for private use, but also for industrial facilities. These devices are often used for irrigation of land plots and fields, supply of drinking water, pumping water out of pools and flooded basements, elimination of consequences of accidents and flooding.

They are suitable for pumping slightly contaminated water with non-abrasive (soft) particles such as: particles of algae, grass, leaves, etc., with a concentration of up to 5% in the intake water and a size of up to 5 mm.



KS 50

Type of water pump	for clean water
Diameter of inlet pipe	50 mm
Maximal productivity	500 l/min
Nominal speed	3600 rpm
Maximal height of lifting	28 m
Maximal depth of suction	7 m
Engine start	manual
Net dimensions (LxWxH)	490x400x410 mm
Net weight	24 kg



KS 80

Type of water pump	for clean water
Diameter of inlet pipe	80 mm
Maximal productivity	1000 l/min
Nominal speed	3600 rpm
Maximal height of lifting	28 m
Maximal depth of suction	7 m
Engine start	manual
Net dimensions (LxWxH)	490x400x410 mm
Net weight	26 kg



TRASH WATER MOTOR PUMP

The KS 80MW motor pump **for heavily contaminated water** from Könnner & Söhnen® is a high-performance device with a reinforced steel frame that is suitable for pumping large quantities of heavily contaminated liquids containing sewage residues sized up to 25 mm. Thanks to its robust design, the KS 80MW motor pump is suitable for heavy-duty operations, is perfect for pumping muddy water out of ponds, sewage water, cleaning rivers and lakes, and is successfully used for pumping waste water on drilling sites.



KS 80 MW	
Type of water pump	for mud water
Diameter of inlet pipe	80 mm
Maximal productivity	1000 l/min
Nominal speed	3600 rpm
Maximal height of lifting	20 m
Maximal depth of suction	7 m
Engine start	manual
Net dimensions (LxWxH)	720x535x600 mm
Net weight	60 kg



MOTOR PUMP FOR HEAVILY CONTAMINATED WATER

The high-performance KS 80TW **waste water motor pump** from Könnner & Söhnen® is designed for pumping liquids containing up to 25% of solids sized up to 20 × 25 mm. The principal users of the KS 80TW trash water motor pumps are utility service providers, farm businesses and construction companies.



KS 80 TW	
Type of water pump	for trash water
Diameter of inlet pipe	80 mm
Maximal productivity	1100 l/min
Nominal speed	3600 rpm
Maximal height of lifting	26 m
Maximal depth of suction	7 m
Engine start	manual
Net dimensions (LxWxH)	530x460x435 mm
Net weight	35 kg





MOTOR PUMP FOR AGGRESSIVE LIQUIDS (SEA WATER, CHEMICALS)

The KS 80CW motor pump **for aggressive liquids** from Könnér & Söhnen® is intended for pumping sea water, weak acids, liquids with high flash point. It can be used in agriculture for fertilization, in the chemical and construction industries for conveying of toxic substances and chemical solutions. It is not suitable for pumping high-reactive, combustible, caustic liquids, solvents or gasoline.



KS 80 CW

Type of water pump	for chemical liquids (sea water, chemicals)
Diameter of inlet pipe	80 mm
Maximal productivity	1000 l/min
Nominal speed	3600 rpm
Maximal height of lifting	26 m
Maximal depth of suction	7 m
Engine start	manual
Net dimensions (LxWxH)	590x420x450 mm
Net weight	28 kg



HIGH-PRESSURE MOTOR PUMP

The pressure head of KS 50HP **high-pressure motor pump** from Könnér & Söhnen® can reach 50 m; therefore, this pump is also called the fire pump. It is mainly used to extinguish fire or for other works related to raising water to great height, as well as for pumping clean water, draining tanks and irrigation. The KS 50 HP fire pump can supply water in three directions and has 1 inlet and 3 outlets for connecting hoses: 1x intake hose (50 mm), 1x pressure hose (50 mm) and 2x spare pressure hoses (40 mm). With so many nozzles, water supply speed and overall performance are improved. Water can be pumped in three different directions at the same time with just one unit.



KS 50 HP

Type of water pump	high-pressure
Diameter of inlet pipe	50 mm
Maximal productivity	500 l/min
Nominal speed	3600 rpm
Maximal height of lifting	50 m
Maximal depth of suction	7 m
Engine start	manual
Net dimensions (LxWxH)	485x434x432 mm
Net weight	29 kg





KS 50



KS 80



KS 50HP

Type of water pump	for clean water	for clean water	high-pressure
Diameter of inlet/outlet pipe, mm	50/50	80/80	50/40, 50, 40
Max. productivity, l/min	500	1000	500
Nominal flowrate, prm	3600	3600	3600
Max. lifting height, m	28	28	50
Max. suction depth, m	7	7	7
Engine type	gasoline 4-stroke	gasoline 4-stroke	gasoline 4-stroke
Engine model	KS 200	KS 200	KS 250
Engine power, hp	6,5	6,5	7,0
Engine volume, cm ³	196	196	212
Engine start	manual	manual	manual
Fuel tank volume, l	3,6	3,6	3,6
Noise level Lpa (7m)/Lwa, dB	79/104	79/104	79/104
Net dimensions (WxLxH), mm	490x400x410	490x400x410	485x434x432
Gross dimensions (WxLxH), mm	510x440x440	510x440x440	495x445x445
Net weight, kg	24	26	29
Gross weight, kg	26	28	31
QR code			



KS 80MW



KS 80TW



KS 80CW

Type of water pump	for mud water	for trash water	for chemical liquids (sea water, chemicals)
Diameter of inlet/outlet pipe, mm	80/80	80/80	80/80
Max. productivity, l/min	1000	1000	1000
Nominal flowrate, prm	3600	3600	3600
Max. lifting height, m	20	26	26
Max. suction depth, m	7	7	7
Engine type	gasoline 4-stroke	gasoline 4-stroke	gasoline 4-stroke
Engine model	KS 280	KS 250	KS 250
Engine power, hp	9,0	7,0	7,0
Engine volume, cm ³	269	212	212
Engine start	manual	manual	manual
Fuel tank volume, l	6,0	3,6	3,6
Noise level Lpa (7m)/Lwa, dB	79/104	79/104	79/104
Net dimensions (WxLxH), mm	720x535x600	530x460x435	590x420x450
Gross dimensions (WxLxH), mm	725x540x600	540x470x450	605x435x480
Net weight, kg	60	35	28
Gross weight, kg	63	37	30
QR code			





Könnner & Söhnen® engines are reliable, high-performance and cost-effective, and conform to European quality standards, including the latest **standard of emission EURO 5**



K&S ACCESSORIES

In the new season, we are introducing to product assortment a full range of accessories. All items are useful and sometimes even indispensable for our products. We also added a range of branded clothing. All presented items can be used both for sales and for promotional activities, customer motivation, and increased loyalty.



MOISTURE-RESISTANT AND DUSTPROOF GENERATOR COVERS

KS COVER 10

For all modifications of gasoline generators series KS 2000, 3000.

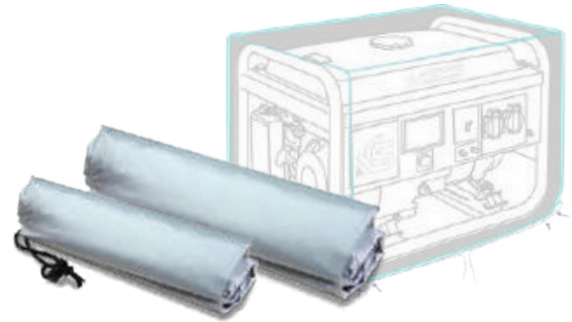
Dimensions	600x490x470 mm
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KS COVER 20




For all modifications of gasoline generators series KS 5000, KS 7000, KS 9000, KS 10000.
For all modifications of diesel generators with open frame series KS 6000, KS 8000, KS 9000.

Dimensions	740x650x550 mm
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- Protects from rain, snow, sun and wind
- Resistant to ultraviolet irradiation (UV)
- Resistant to acid rain and bird droppings
- Protects from dust and dirt

FUEL CANS



	KS CAN 5	KS CAN 10
Special anti-static plastic		
Capacity	5 l	10 l
Dimensions	260x128x255 mm	330x165x300 mm



MOTOR OIL

The **motor oil** and transmission oil of the Könnert & Söhne® brand ensures reliable protection of your motor even during continuous operation and under extreme loads, thereby considerably increasing its service life. The use of this oil in our devices ensures smooth, continuous operation.

Contains top-quality additives from the world-famous Infineum Corporation (Great Britain)

Könnert & Söhne® 10W-30

Volume	1 l
Product quality class	API SL/CF
Class of viscosity	SAE 10W-30

ULTRA PERFORMANCE



TRANSMISSION OIL

It reduces friction in moving parts for maximum performance and efficiency, minimizes wear and tear for longer transmission life. An optimally selected composition of additives guarantees smooth operation of the mechanism and effective transmission of power, as well as ensures reliable protection against carbon, sludge and rust deposits. This oil eliminates noise and vibration during operation.



KS GEAR OIL 80W-90

Volume	1 l
Product quality class	API GL-5
Class of viscosity	SAE 80W-90

ULTRA PERFORMANCE



ANTIGEL



KS D-ANTIGEL 20/60

Könnert & Söhnen® ULTRA Performance diesel fuel anti-gel

Capacity	250 ml
Dosage	250 ml of additive per 40-60 liters of diesel fuel



- ✔ Improves low-temperature properties of diesel fuel
- ✔ Effectively reduces the pour point of diesel fuel
- ✔ Improves fuel pumpability, and enables easy engine start in cold weather
- ✔ Prevents the formation of wax crystals

DIESEL STABILIZER



KS D-STAB 60

Könnert & Söhnen® ULTRA Performance diesel fuel stabilizer

Capacity	250 ml
Dosage	250 ml of additive per 40-60 liters of diesel fuel



- ✔ Maintains the original quality of diesel during storage
- ✔ Reliably preserves the fuel system during idle hours
- ✔ Protects the fuel injection pump from corrosion and wear, even if moisture enters the system
- ✔ As well as enables easy engine start after storage

GASOLINE STABILIZER



KS G-STAB 60

Könnert & Söhnen® ULTRA Performance gasoline fuel stabilizer

Capacity	250 ml
Dosage	250 ml of additive per 40-60 liters of gasoline fuel



- ✔ Maintains the original quality of gasoline during storage
- ✔ Reliably preserves the fuel system during idle hours
- ✔ Protects the electric gasoline pump from corrosion and wear, even if moisture enters the system
- ✔ As well as enables easy engine start after storage



AUTOMATIC BATTERY CHARGER

Easy to use compact automatic charger designed to charge 6V/12V lead-acid batteries. It is used to charge batteries of generators, cultivators, motorcycles, snowmobiles, boats, ATVs, etc. with capacity up to 32 Ah.

Automatic charger has protection from:

- ✔ Overheating
- ✔ Reversed polarity
- ✔ Short circuit
- ✔ Overcharging of a battery



KS-B2A



Charging mode	6 V/12 V/2 A
Weight	0,2 kg

Protective glasses



KS GL-1

Polycarbonate glasses	1 pc
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Gloves



KS GLOVES L

100% leather + textile

Reliable protection against mechanical damage



Cap

CAP KS

Color	gray
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T-Shirt KS

Men's (M, L, XL) Women's (S)



Polo KS

Men's (M, L, XL)



Raglan KS

Men's (M, L, XL)



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TRADITIONELLE DEUTSCHE QUALITÄT