

GARDEN EQUIPMENT  
**GENERATORS**  
GASOLINE | DIESEL | INVERTER | LPG

**K&S** | **Könner  
&  
Söhnen**  
TRADITIONELLE DEUTSCHE QUALITÄT

## Dear partners and customers of **Könner & Söhnen TM**

Thank you for your interest in our products. We hope, that Könner & Söhnen TM equipment will become your reliable assistant! Products, provided by Könner & Söhnen TM, are the result of many years of experience of German specialists who took on the best of world famous brands and took all their mistakes into account. In our products we introduce and use the latest modern technologies such as EFI (Electronic Fuel Injection), PVA (pure sine wave alternator), Turbo Mode (up to 20% power boost), EURO V standard (the most modern exhaust emission standard), and much more. Könner & Söhnen TM generators and garden equipment were created in Germany to implement the concept of 'affordable equipment', which has become a synonym of quality and affordable price for buyer.

**Könner & Söhnen TM** – is winner of honorable European awards in nominations «High Quality», "Product of the Year", "Expert Choice", "Ease of Use", "Functionality". The latest award of Könner & Söhnen TM is prestigious Plus X AWARD 2019. German experts proved high quality of our machinery! We are proud that our efforts were rated so highly!

Our brand essence has a basic principle and the goal of our team, represented in our logo and our slogan – **TRADITIONAL GERMAN QUALITY** - that is passed down from generation to generation, from master (expert) to apprentice, from father to son, from manufacturing to consumer. We want to transfer to our children, our customers all the best accumulated over the years of manufacture and improvement of generators and garden equipment.

Nowadays, many German brands have taken their niches in the high-end price ranges, however it still remains a demand for good quality production with an affordable price. Könner & Söhnen brand was created to satisfy this demand. Having a modernized line of our own engines, the owners of the Könner & Söhnen trade mark eventually decided to expand the product range. So product line of Könner & Söhnen cultivators and motor pumps appeared on the market. Our experts have made a lot of effort to ensure that all products outperform their competitors in quality, and at the same time are more affordable and more convenient in terms of service and operation. The assembly of all products takes place under the constant supervision of German specialists in factories that produce generators and garden equipment for leading brands to the markets of Europe and North America and are tested at various stages of production.

All the products made meet European and international standards of quality, efficiency, environmental impact, including the latest standard of emission EURO V. The line of engines used in Könner & Söhnen TM generators, cultivators and motor pumps is also a result of long tests and negotiations with the world's leading manufacturers. Eventually, the engines were selected and a license to manufacture them specifically under Könner & Söhnen TM logo was purchased. Each generator, cultivator or motor pump engine has an individual serial number, which allows us to monitor the quality of production and service. All engines are tested for a long period of uninterrupted operation, and then disassembled and studied for defects. The range of Könner & Söhnen TM generators and garden equipment covers the needs of any customer because the manufacturer pays special attention to a study of demand.

Könner & Söhnen TM stands up to date with technological progress, constantly updating its product range and introducing new developments that allow our equipment to be even more reliable, more environmentally friendly, economical to use. Having many years of experience and reliable partners, we can satisfy any customer's request and produce generators for special purposes:

- gasoline, hybrid and diesel generators with the power range from 1.0 kW to 15.6 kVA;
- special-purpose generators (inverter type, for electric welding, models used in industry and construction);
- generators with unique technical features (built-in ATS, VTS function, pre-start heating, multifunction display and much more);
- in all models, the engine power reserve against the alternator power allows producing the declared voltage and maintaining voltage stability throughout the load range.

As a result, we obtain the generators that can proudly carry our motto, confirming the very essence of our team: **TRADITIONAL GERMAN QUALITY.**

High quality products of "Könner & Söhnen" TM are recognized by international experts and prestigious awards. In 2019, products of TM "Könner & Söhnen" received the German Plus X Award in three categories - "High quality", "Functionality", and "Ease of use". Könner & Söhnen products are already available to more than 300 million customers in more than 15 European countries.

Dimax International GmbH, the founder of the Dimax Group and the owner of the Könner & Söhnen TM, guarantees for all partners and customers full support of spare parts, maintenance service, technical information and marketing assistance. Products, produced by Könner & Söhnen TM, are already available to more than 300 million customers in more than 15 countries in Europe. Our trademark develops dynamically and is interested in new partners and markets.

**With best regards,  
Dimax group team**



## GASOLINE GENERATORS

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

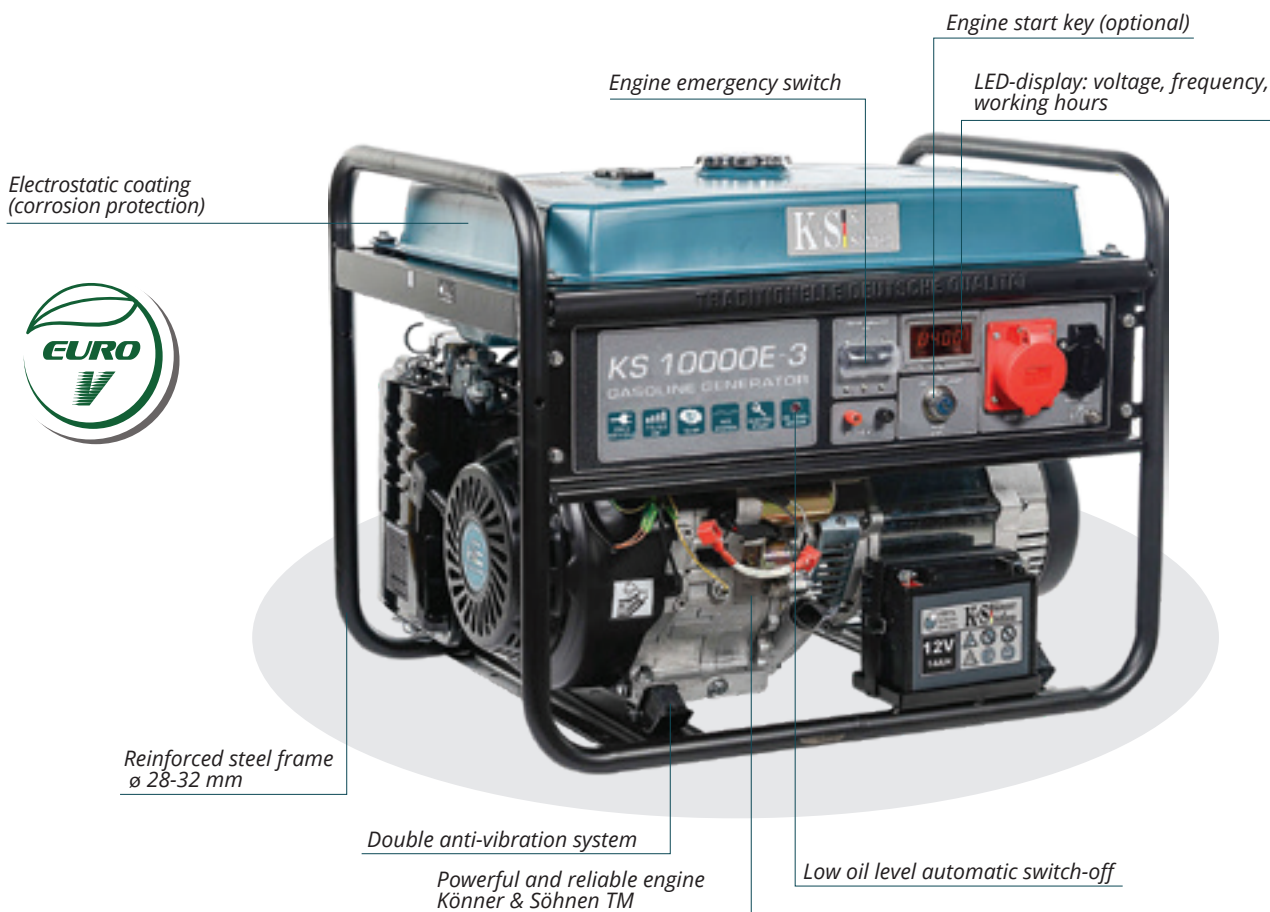
The introduction of state-of-the-art technology and innovative solutions has expanded the range of gasoline generators from Könner & Söhnen TM to best meet consumers' needs and allows us to meet the highest quality level of equipment we create.

Our assortment has a wide model range with unique functionality. The motto of Könner & Söhnen TM is TRADITIONAL GERMAN QUALITY, and we are proud to responsibly follow it.

# GASOLINE GENERATORS

Gasoline generators from Könnert & Söhnen TM are modern, high-quality equipment that is used in multiple areas as a reliable backup power source. All gasoline generators are equipped with robust and cost-effective gasoline powered air-cooled four-stroke engines, a synchronous type alternator with copper winding and an intelligent automatic voltage regulator (AVR).

The range of gasoline generators comprises 2.6 kW - 15.6 kVA models with manual, electric and automatic start for single and three-phase mains, equipped with a multifunctional LED-display, automatic circuit breakers for overload and low oil level.



## RELIABLE BRANDED ENGINES

Könnert & Söhnen TM 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

Könnert & Söhnen TM 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.



## 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

Könnert & Söhnen TM 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 optional rubber mounts for protection against sliding, corrosion, and vibration.



# GENERATORS Könner & Söhnen

FOR EVERY NEED

Könner & Söhnen TM generators are indispensable in the event of a short power outage. In addition, these generators are convenient to use in those places where there is no electricity at all (in the countryside, in small construction sites, etc.).



FOR HOME USE

### Optimal for private use and garden

If there is no backup power source, you can face many troubles. In the event of faulty power lines, you will not be able to finish homework or spend evening at the TV or computer. Könner & Söhnen 2,6 - 8 kW gasoline generators can be used as a backup power source for both a small house and a large cottage.



FOR CAMPING

### Comfortable for camping

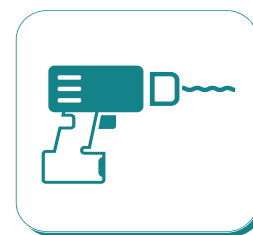
Könner & Söhnen gasoline generators make outdoor activities more comfortable. When hiking, fishing, hunting, or camping, generators will allow you to use electrical devices in places where there is no power supply. They allow connection of the necessary electrical equipment and, if necessary, charging of battery-operated mobile devices.



FOR RENOVATION

### Useful during repairs

Perhaps repairs are carried out in places where there are no cables. Then you simply cannot do without a gasoline generator. The appropriate device should be selected on the basis of the complexity and scope of work to be done. The generator is undoubtedly beneficial in situations where it is vital to ensure continuous performance of construction or repair work. Where there is a backup power source, the workflow will not stop under any conditions.



FOR CONSTRUCTION

### Indispensable on the construction site

Könner & Söhnen generators perfectly solve power supply problems. They are able to produce electricity and work where there is a need. Könner & Söhnen TM generators will solve the problem in the event of a sudden decrease in the mains voltage in case of an accident, overload or any other emergency on the construction site.

# GASOLINE GENERATORS



## KS 3000

MAX POWER	3.0 kW
NOMINAL POWER	2.6 kW
ENGINE POWER	7 hp
ENGINE START	manual
FUEL TYPE	gasoline
ENGINE MODEL	KS 210
OUTLETS	2x16A
FUEL TANK VOLUME	15 l
CRANK CASE VOLUME	0,6 l
50% POWER WORKING TIME	15 h
NET WEIGHT	41.5 kg
VOLTAGE	230 V
FREQUENCY	50 Hz



## KS 3000E

MAX POWER	3.0 kW
NOMINAL POWER	2.6 kW
ENGINE POWER	7 hp
ENGINE START	manual/electro
FUEL TYPE	gasoline
ENGINE MODEL	KS 210
OUTLETS	2x16A
FUEL TANK VOLUME	15 l
CRANK CASE VOLUME	0.6 l
50% POWER WORKING TIME	15 h
NET WEIGHT	46.1 kg
VOLTAGE	230 V
FREQUENCY	50 Hz



## KS 7000

MAX POWER	5.5 kW
NOMINAL POWER	5.0 kW
ENGINE POWER	13 hp
ENGINE START	manual
FUEL TYPE	gasoline
ENGINE MODEL	KS 390
OUTLETS	1x16A/1x32A
FUEL TANK VOLUME	25 l
CRANK CASE VOLUME	1.1 l
50% POWER WORKING TIME	17 h
NET WEIGHT	69.2 kg
VOLTAGE	230 V
FREQUENCY	50 Hz



## KS 7000E

MAX POWER	5.5 kW
NOMINAL POWER	5.0 kW
ENGINE POWER	13 hp
ENGINE START	manual/electro
FUEL TYPE	gasoline
ENGINE MODEL	KS 390
OUTLETS	1x16A/1x32A
FUEL TANK VOLUME	25 l
CRANK CASE VOLUME	1.1 l
50% POWER WORKING TIME	17 h
NET WEIGHT	76.2 kg
VOLTAGE	230 V
FREQUENCY	50 Hz



# COMPETITIVE STRENGTHS

## 11 REASONS WHY PEOPLE TRUST US

- ✓ Wide range of generators for every need
- ✓ Production control at each stage
- ✓ International two-year warranty
- ✓ Availability of products in stock
- ✓ Pre-delivery inspection
- ✓ Own service centers
- ✓ European quality certificates
- ✓ Awards at regional and international competitions
- ✓ Shortest delivery time throughout the country
- ✓ Professional advice and service support in terms of model selection
- ✓ Könner & Söhnen TM gasoline generators are the best quality/price ratio



## GASOLINE GENERATORS



### KS 7000E-3

<b>MAX POWER</b>	<b>5.5 kW</b>
<b>NOMINAL POWER</b>	<b>5.0 kW</b>
<b>ENGINE POWER</b>	<b>13 hp</b>
<b>ENGINE START</b>	<b>manual/electro</b>
<b>FUEL TYPE</b>	<b>gasoline</b>
<b>ENGINE MODEL</b>	<b>KS 390</b>
<b>OUTLETS</b>	<b>1x16A(230V)/1x16A(400V)</b>
<b>FUEL TANK VOLUME</b>	<b>25 l</b>
<b>CRANK CASE VOLUME</b>	<b>1.1 l</b>
<b>50% POWER WORKING TIME</b>	<b>17 h</b>
<b>NET WEIGHT</b>	<b>80.8 kg</b>
<b>VOLTAGE</b>	<b>400 V</b>
<b>FREQUENCY</b>	<b>50 Hz</b>



### KS 10000E

<b>MAX POWER</b>	<b>8.0 kW</b>
<b>NOMINAL POWER</b>	<b>7.5 kW</b>
<b>ENGINE POWER</b>	<b>18 hp</b>
<b>ENGINE START</b>	<b>manual/electro</b>
<b>FUEL TYPE</b>	<b>gasoline</b>
<b>ENGINE MODEL</b>	<b>KS 440</b>
<b>OUTLETS</b>	<b>1x16A/1x32A</b>
<b>FUEL TANK VOLUME</b>	<b>25 l</b>
<b>CRANK CASE VOLUME</b>	<b>1.2 l</b>
<b>50% POWER WORKING TIME</b>	<b>15 h</b>
<b>NET WEIGHT</b>	<b>85.5 kg</b>
<b>VOLTAGE</b>	<b>230 V</b>
<b>FREQUENCY</b>	<b>50 Hz</b>



### KS 10000E-3

<b>MAX POWER</b>	<b>8.0 kW</b>
<b>NOMINAL POWER</b>	<b>7.5 kW</b>
<b>ENGINE POWER</b>	<b>18 hp</b>
<b>ENGINE START</b>	<b>manual/electro</b>
<b>FUEL TYPE</b>	<b>gasoline</b>
<b>ENGINE MODEL</b>	<b>KS 440</b>
<b>OUTLETS</b>	<b>1x16A(230V)/1x16A(400V)</b>
<b>FUEL TANK VOLUME</b>	<b>25 l</b>
<b>CRANK CASE VOLUME</b>	<b>1.2 l</b>
<b>50% POWER WORKING TIME</b>	<b>15 h</b>
<b>NET WEIGHT</b>	<b>88 kg</b>
<b>VOLTAGE</b>	<b>400 V</b>
<b>FREQUENCY</b>	<b>50 Hz</b>



\*Only in case that the welding inverter has 85% efficiency and an arc voltage of 25 V.



## GASOLINE GENERATORS



**GENERATOR POWER**  
2.6 – 5.5 kW



**MANUAL/ELECTRO ENGINE START**



**VOLTAGE 230 V**



**ENGINE POWER**  
7 – 13 HP



KS 3000



KS 3000E



KS 7000

Voltage, V	230	230	230
Max power, kW	3.0	3.0	5.5
Nominal power, kW	2.6	2.6	5.0
Frequency, Hz	50	50	50
Current, A(max)	13.04	13.04	23.91
Outlets	2x16A	2x16A	1x16A 1x32A
Fuel tank volume, l	15	15	25
50% power working time	15	15	17
LED display	voltage, frequency, working hours		
Noise level L <sub>PA</sub> (7 m)/L <sub>WA</sub> , dB	68/93	68/93	70/95
Power output DC, V/A	12/8.3	12/8.3	12/8.3
Engine model	KS 210	KS 210	KS 390
Engine type	gasoline powered one-cylinder, four-stroke air-cooled		
Engine power hp/kW	7.0/5.15	7.0/5.15	13.0/9.56
Crank case volume, cm <sup>3</sup>	0.6	0.6	1.1
Engine cylinder volume, cm <sup>3</sup>	208	208	389
Power output controller	intelligent voltage stabilization system AVR		
Engine start	manual	manual/electro	manual
Power factor, cos φ	1	1	1
Net dimensions, mm	580x430x440	580x430x440	680x545x550
Gross dimensions, mm	610x455x485	610x455x485	700x545x590
Net weight, kg	41.5	46.1	69.2
Gross weight, kg	43.6	47.5	71.6
Protection class	IP23M		
QR code			

# GASOLINE GENERATORS



**GENERATOR POWER**  
5.5 – 8.0 kW



**MANUAL/ELECTRO ENGINE START**



**VOLTAGE 230 V/400 V**



**ENGINE POWER**  
13 – 18 HP



KS 7000E

KS 7000E-3

KS 10000E

KS 10000E-3

Voltage, V	230	400	230	400
Max power, kW	5.5	5.5	8.0	8.0
Nominal power, kW	5.0	5.0	7.5	7.5
Frequency, Hz	50	50	50	50
Current, A (max)	23.91	9.93	34.78	14.45
Outlets	1x16A 1x32A	1x16A (230V) 1x32A (400V)	1x16A 1x32A	1x16A (230V) 1x16A (400V)
Fuel tank volume, l	25	25	25	25
50% power working time	17	17	15	15
LED display	voltage, frequency, working hours			
Noise level L <sub>PA</sub> (7 m)/L <sub>WA</sub> , dB	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
Engine model	KS 390	KS 390	KS 440	KS 440
Engine type	gasoline powered one-cylinder, four-stroke air-cooled			
Engine power hp/kW	13.0/9.56	13.0/9.56	18.0/13.24	18.0/13.24
Crank case volume, cm <sup>3</sup>	1.1	1.1	1.2	1.2
Engine cylinder volume, cm <sup>3</sup>	389	389	440	440
Power output controller	intelligent voltage stabilization system AVR			
Engine start	manual/electro	manual/electro	manual/electro	manual/electro
Power factor, cos φ	1	0.8	1	0.8
Net dimensions, mm	680x545x550	680x545x550	680x545x550	680x545x550
Gross dimensions, mm	700x545x590	700x545x590	700x545x590	700x545x590
Net weight, kg	76.2	80.8	85.5	88.0
Gross weight, kg	78.6	83.2	87.9	90.4
Protection class	IP23M			
QR code				

# GASOLINE GENERATORS

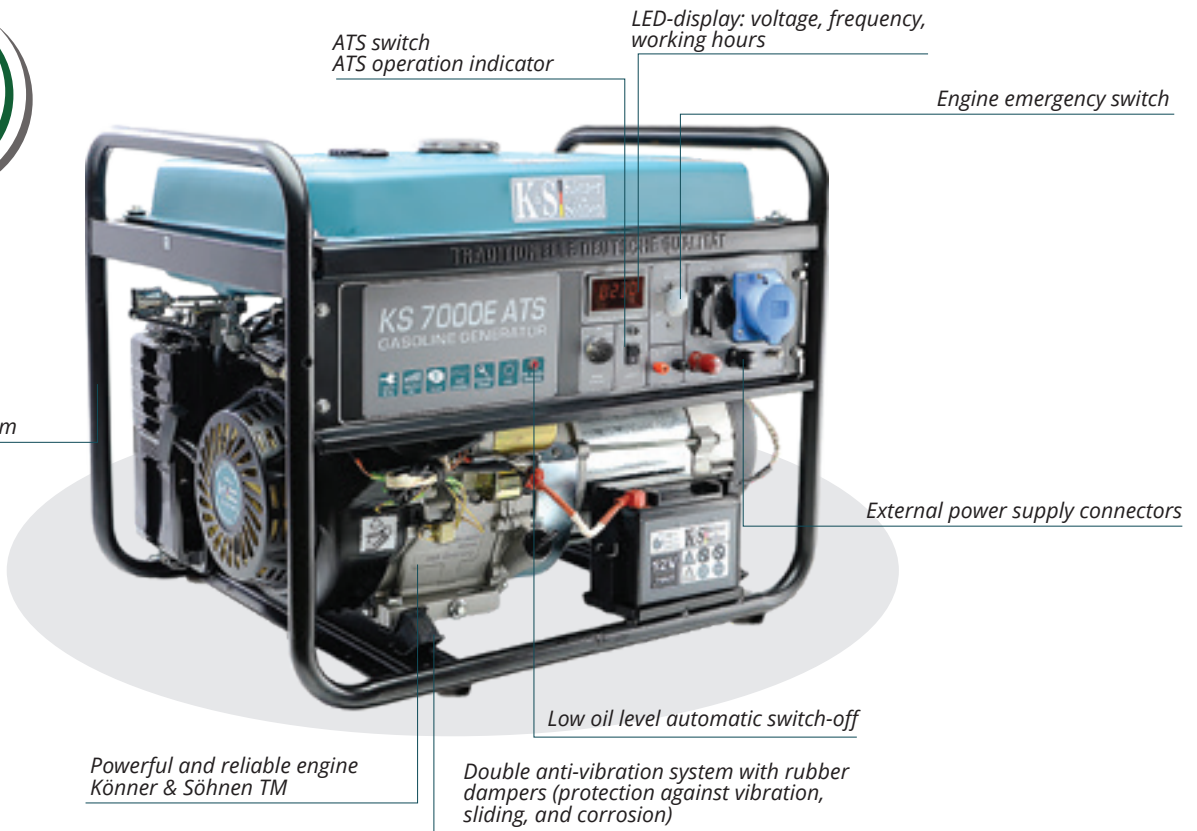
## WITH ATS SYSTEM

One of the unique features of our generators is a built-in ATS (automatic transfer switch) unit. This unit allows generator to monitor central power availability and to automatically switch itself on when the light 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.



Reinforced steel frame ø 28-32 mm



### 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.



### 230V OR 400V

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
ENGINE POWER	13 hp
ENGINE START	manual/electro/auto
FUEL TYPE	gasoline
ENGINE MODEL	KS 390
OUTLETS	1x16A/1x32A
FUEL TANK VOLUME	25 l
CRANK CASE VOLUME	1.1 l
50% POWER WORKING TIME	17 h
NET WEIGHT	76.8 kg
VOLTAGE	230 V
FREQUENCY	50 Hz



### KS 7000E-3 ATS

MAX POWER	5.5 kW
NOMINAL POWER	5.0 kW
ENGINE POWER	13 hp
ENGINE START	manual/electro/auto
FUEL TYPE	gasoline
ENGINE MODEL	KS 390
OUTLETS	1x16A (230V)/1x16A(400V)
FUEL TANK VOLUME	25 l
CRANK CASE VOLUME	1.1 l
50% POWER WORKING TIME	17 h
NET WEIGHT	80.8 kg
VOLTAGE	400V
FREQUENCY	50 Hz



### KS 10000E ATS

MAX POWER	8.0 kW
NOMINAL POWER	7.5 kW
ENGINE POWER	18 hp
ENGINE START	manual/electro/auto
FUEL TYPE	gasoline
ENGINE MODEL	KS 440
OUTLETS	1x16A/1x32A
FUEL TANK VOLUME	25 l
CRANK CASE VOLUME	1.2 l
50% POWER WORKING TIME	15 h
NET WEIGHT	87.8 kg
VOLTAGE	230 V
FREQUENCY	50 Hz



### KS 10000E-3 ATS

MAX POWER	8.0 kW
NOMINAL POWER	7.5 kW
ENGINE POWER	18 hp
ENGINE START	manual/electro/auto
FUEL TYPE	gasoline
ENGINE MODEL	KS 440
OUTLETS	1x16A(230V) /1x16A(400V)
FUEL TANK VOLUME	25 l
CRANK CASE VOLUME	1.2 l
50% POWER WORKING TIME	15 h
NET WEIGHT	89.2 kg
VOLTAGE	400V
FREQUENCY	50 Hz

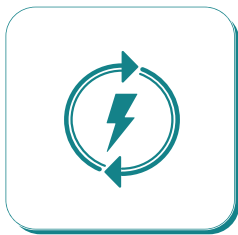


\*Provided that the welding inverter has 85% efficiency and an arc voltage of 25 V.

## GASOLINE GENERATORS WITH ATS SYSTEM

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. Thanks to this function, the built-in ATS system is indispensable in the event of sudden failure of the external network. The built-in automation unit monitors voltage in the mains and manages the generator without user intervention.

- ✔ Automatic voltage regulator (AVR)
- ✔ Automatic overload protection
- ✔ Reduced noise level
- ✔ Automatic low oil level protection



ATS INPUT

Built-in ATS system: automatic generator start without user intervention.



AUTOMATIC START

Launch generator without user intervention



EASY INSTALLATION

Easy installation, no need to connect a separate automatic block.



AVAILABILITY

Cost of these models TM Könner & Söhnen products are affordable for every consumer.



# GASOLINE GENERATORS WITH ATS SYSTEM



**GENERATOR POWER**  
5.5–8.0 kW



**MANUAL/ELECTRO/AUTO**  
**ENGINE START**



**VOLTAGE 230 V/400 V**



**ENGINE POWER 13–18 HP**



KS 7000E ATS

KS 7000E-3 ATS

KS 10000E ATS

KS 10000E-3 ATS

	KS 7000E ATS	KS 7000E-3 ATS	KS 10000E ATS	KS 10000E-3 ATS
Voltage, V	230	400	230	400
Max power, kW	5.5	5.5	8.0	8.0
Nominal power, kW	5.0	5.0	7.5	7.5
Frequency, Hz	50	50	50	50
Current, A (max)	23.91	9.93	34.78	14.45
Outlets	1x16A 1x32A	1x16A (230V) 1x16A (400V)	1x16A 1x32A	1x16A (230V) 1x16A (400V)
Fuel tank volume, l	25	25	25	25
50% power working time	17	17	15	15
LED display	voltage, frequency, working hour			
Noise level L <sub>PA</sub> (7 m)/L <sub>WA</sub> , dB	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
Engine model	KS 390	KS 390	KS 440	KS 440
Engine type	gasoline powered one-cylinder, four-stroke air-cooled			
Engine power hp/kW	13.0/9.56	13.0/9.56	18.0/13.24	18.0/13.24
Crank case volume, cm <sup>3</sup>	1.1	1.1	1.2	1.2
Engine cylinder volume, cm <sup>3</sup>	389	389	440	440
Power output controller	intelligent voltage stabilization system AVR			
Engine start	manual/electro/auto	manual/electro/auto	manual/electro/auto	manual/electro/auto
Power factor, cos φ	1	0.8	1	0.8
Net dimensions, mm	680x545x550	680x545x550	680x545x550	680x545x550
Gross dimensions, mm	700x545x590	700x545x590	700x545x590	700x545x590
Net weight, kg	76.8	80.8	87.8	89.2
Gross weight, kg	78.8	83.2	90.2	91.6
Protection class	IP23M			
QR code				

# GASOLINE GENERATORS

## WITH VTS SYSTEM

The unique innovative VTS (Voltage transfer switch) phase switching system allows using the generator both in three-phase mode (400V) and in single-phase mode (230V) without loss of power! It is no longer necessary to purchase two separate generators and maintain them: just switch the mode and use the Könner & Söhne TM generator with the phase switching system at the required voltage.



LED-display: voltage, frequency, working hours

Engine emergency switch

VTS phase switching system

Reinforced steel frame ø 28-32 mm

Alternator with 100% cooper winding

Double anti-vibration system with rubber dampers (protection against vibration, sliding, and corrosion)

Low oil level automatic switch-off

Powerful and reliable engine Könner & Söhne TM



### 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 Könner & Söhne TM engine is equipped with a backup power supply, which ensures Könner & Söhne TM generators deliver the declared power for sure!



### 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.

**VTS  
SYSTEM**

## HIGH EFFICIENCY MODELS WITH VTS PHASE SWITCHING SYSTEM

(VOLTAGE TRANSFER SWITCH)

WITH EQUAL POWER FOR SINGLE- AND THREE-PHASE CONSUMERS



### KS 7000E-1/3

MAX POWER/NOMINAL POWER, 230 V	5.5/5.0 kW
MAX POWER/NOMINAL POWER, 400 V	5.5/5.0 kW
ENGINE POWER	13 hp
ENGINE START	manual/electro
FUEL TYPE	gasoline
ENGINE MODEL	KS 390
OUTLETS	1x16A(400V)/1x32A(230V)
FUEL TANK VOLUME	25 l
CRANK CASE VOLUME	1.1 l
50% POWER WORKING TIME	17 h
NET WEIGHT	81 kg
VOLTAGE	230 V/400 V
FREQUENCY	50 Hz



### KS 10000E-1/3

MAX POWER/NOMINAL POWER, 230 V	8.0/7.5 kW
MAX POWER/NOMINAL POWER, 400 V	8.0/7.5 kW
ENGINE POWER	18 hp
ENGINE START	manual/electro
FUEL TYPE	gasoline
ENGINE MODEL	KS 440
OUTLETS	1x16A(400V)/1x32A(230V)
FUEL TANK VOLUME	25 l
CRANK CASE VOLUME	1.2 l
50% POWER WORKING TIME	15 h
NET WEIGHT	88 kg
VOLTAGE	230 V/400 V
FREQUENCY	50 Hz



\*Only in case that the welding inverter has 85% efficiency and an arc voltage of 25 V.

- ✔ VTS phase switching system
- ✔ Reinforced steel frame ø 28-32 mm
- ✔ Automatic overload protection
- ✔ Automatic low oil level stop
- ✔ Double anti-vibration system
- ✔ Easy manual and electric start
- ✔ Synchronous brush alternator with 100% copper winding
- ✔ Automatic voltage regulator (AVR)
- ✔ High-performance and robust gasoline engine from Könnert & Söhne TM
- ✔ High-capacity fuel tank with integrated fuel level sensor
- ✔ Low noise level



## GASOLINE GENERATORS WITH VTS PHASE SWITCHING SYSTEM

Universal generators 2 in 1! There is no need to purchase two separate generators for single- and three-phase consumers since Könner & Söhnen TM generators with a unique VTS 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.

# GENERATORS Könner & Söhnen

UNIVERSAL MODELS



# GASOLINE GENERATORS WITH VTS PHASE SWITCHING SYSTEM



**GENERATOR POWER 5.0–8.0 kW**



**MANUAL/ELECTRO ENGINE START**



**VOLTAGE 230 V/400 V**



**ENGINE POWER 13–18 HP**



KS 7000E-1/3

KS 10000E-1/3

	KS 7000E-1/3		KS 10000E-1/3	
Voltage, V	230	400	230	400
Max power, kW	5.5	5.5	8.0	8.0
Nominal power, kW	5.0	5.0	7.5	7.5
Frequency, Hz	50		50	
Current, A(max)	23.91	9.93	34.78	14.45
Outlets	1x16A (400V) 1x32A (230V)		1x16A (400V) 1x32A (230V)	
Fuel tank volume, l	25		25	
50% power working time	17		15	
LED display	voltage, frequency, working hours			
Noise level L <sub>PA</sub> (7 m)/L <sub>WA</sub> , dB	70/95		71/96	
Power output DC, V/A	12/8.3		12/8.3	
Engine model	KS 390		KS 440	
Engine type	gasoline powered one-cylinder, four-stroke air-cooled			
Engine power hp/kW	13.0/ 9.56		18.0/ 13.24	
Crank case volume, cm <sup>3</sup>	1.1		1.2	
Engine cylinder volume, cm <sup>3</sup>	389		440	
Power output controller	intelligent voltage stabilization system AVR			
Engine start	manual/ electro		manual/ electro	
Power factor, cosφ	1	0.8	1	0.8
Net dimensions, mm	680x545x550		680x545x550	
Gross dimensions, mm	700x545x590		700x545x590	
Net weight, kg	81		88	
Gross weight, kg	83		90	
Protection class	IP23M			
QR code				

# LPG/GASOLINE GENERATORS

DUAL FUEL series LPG/gasoline generators from Könner & Söhnen TM 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. All necessary cylinder connections are included: the generator is equipped with a liquefied LPG hose and a built-in reducer; just connect the generator to your cylinder. The generator is not suitable for connecting to the mainline.

If necessary, LPG/gasoline models can easily be switched to gasoline mode, with the Könner & Söhnen gasoline powered single-cylinder air-cooled four-stroke engine ensuring stable and reliable operation of the generator.

**A UNIQUE FEATURE OF THIS RANGE OF KÖNNER & SÖHNEN TM GENERATORS IS THE ABILITY TO START AND OPERATE ONLY ON (LPG)**

*Extra reducer decreases LPG pressure to achieve high LPG connection reliability*



*LED-display: voltage, frequency, working hours*

*Low oil level automatic switch-off*

*Powerful and reliable engine Könner & Söhnen TM*

*LPG supply hose included*

*Built-in reducer*



**EQUIPMENT**

The package includes everything necessary for using LPG as fuel, specifically two reducers and hosepipe for connecting the cylinder. Need to connect the generator to the cylinder and start the engine.



**ECONOMICAL CHOICE**

The use of LPG as fuel significantly reduces fuel costs for operation of the device, and the difference in value between the gasoline powered generator and the DUAL FUEL hybrid generator from K&S TM quickly pays off.



**ENVIRONMENTALLY-FRIENDLY ENGINE**

High-performance K&S engines comply with the latest EURO V emission standards. Each engine has its own individual serial number, which allows us to control the quality of production and service. The use of gas 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 DUAL FUEL SERIES



### KS 3000G

<b>MAX POWER</b>	<b>3.0 kW</b>
<b>NOMINAL POWER</b>	<b>2.6 kW</b>
<b>ENGINE POWER</b>	<b>7 hp</b>
<b>ENGINE START</b>	<b>manual</b>
<b>FUEL TYPE</b>	<b>LPG/gasoline</b>
<b>ENGINE MODEL</b>	<b>KS 210</b>
<b>OUTLETS</b>	<b>2 x 16 A</b>
<b>FUEL TANK VOLUME</b>	<b>15 l</b>
<b>CRANK CASE VOLUME</b>	<b>0.6 l</b>
<b>50% POWER WORKING TIME</b>	<b>15 h</b>
<b>NET WEIGHT</b>	<b>45.4 kg</b>
<b>VOLTAGE</b>	<b>230 V</b>
<b>FREQUENCY</b>	<b>50 Hz</b>



### KS 7000E G

<b>MAX POWER</b>	<b>5.5 kW</b>
<b>NOMINAL POWER</b>	<b>5.0 kW</b>
<b>ENGINE POWER</b>	<b>13 hp</b>
<b>ENGINE START</b>	<b>manual/electro</b>
<b>FUEL TYPE</b>	<b>LPG/gasoline</b>
<b>ENGINE MODEL</b>	<b>KS 390</b>
<b>OUTLETS</b>	<b>1x16A/1x32A</b>
<b>FUEL TANK VOLUME</b>	<b>25 l</b>
<b>CRANK CASE VOLUME</b>	<b>0,6 l</b>
<b>50% POWER WORKING TIME</b>	<b>17 h</b>
<b>NET WEIGHT</b>	<b>77.2 kg</b>
<b>VOLTAGE</b>	<b>230 V</b>
<b>FREQUENCY</b>	<b>50 Hz</b>



### KS 10000E G

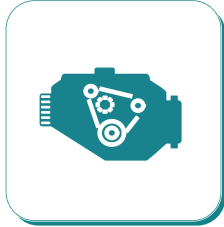
<b>MAX POWER</b>	<b>8.0 kW</b>
<b>NOMINAL POWER</b>	<b>7.5 kW</b>
<b>ENGINE POWER</b>	<b>18 hp</b>
<b>ENGINE START</b>	<b>manual/electro</b>
<b>FUEL TYPE</b>	<b>LPG/gasoline</b>
<b>ENGINE MODEL</b>	<b>KS 440</b>
<b>OUTLETS</b>	<b>1x16A/1x32A</b>
<b>FUEL TANK VOLUME</b>	<b>25 l</b>
<b>CRANK CASE VOLUME</b>	<b>1.2 l</b>
<b>50% POWER WORKING TIME</b>	<b>17 h</b>
<b>NET WEIGHT</b>	<b>86.5 kg</b>
<b>VOLTAGE</b>	<b>230 V</b>
<b>FREQUENCY</b>	<b>50 Hz</b>



## LPG/GASOLINE GENERATORS DUAL FUEL SERIES

LPG/gasoline generators from Könner & Söhnen TM are suitable for household use as emergency or backup power sources in situations where mains supply is either unavailable or damaged.

They are ideal for organizing temporary power supply to illuminate your household or household plot. In addition, they are indispensable for use on the construction site.



LONG LIFESPAN  
OF ENGINE



LESS EXHAUST GASES



STABLE WORK



CHEAPER FUEL



## GENERATORS Könner & Söhnen

# LPG/GASOLINE GENERATORS DUAL FUEL SERIES



**GENERATOR POWER**  
2.6 – 8.0 kW



**MANUAL/ELECTRO**  
**ENGINE START**



**VOLTAGE 230 V**



**ENGINE POWER 7–18 HP**



**LPG (PROPANE, BUTANE)/  
BENZIN**



KS 3000G

KS 7000E G

KS 10000E G

	KS 3000G	KS 7000E G	KS 10000E G
Voltage, V	230	230	230
Max power, kW	3.0	5.5	8.0
Nominal power, kW	2.6	5.0	7.5
Frequency, Hz	50	50	50
Current, A(max)	13.04	23.91	34.78
Outlets	2x16A	1x16A, 1x32A	1x16A, 1x32A
Fuel tank volume, l	15	25	25
50% power working time	15	17	15
LED display	voltage, frequency, working hours		
Noise level L <sub>PA</sub> (7 m)/L <sub>WA</sub> , dB	68/93	70/95	71/96
Power output DC, V/A	12/8.3	12/8.3	12/8.3
Engine model	KS 210	KS 390	KS 440
Engine type	LPG/gasoline powered one-cylinder, four-stroke air-cooled		
Engine power hp/kW	7.0/5.15	13.0/9.56	18.0/13.24
Crank case volume, cm <sup>3</sup>	0.6	1.1	1.2
Engine cylinder volume, cm <sup>3</sup>	208	389	440
Power output controller	intelligent voltage stabilization system AVR		
Engine start	manual	manual/electro	manual/electro
Power factor, cosφ	1	1	1
Net dimensions, mm	580x430x440	680x545x550	680x545x550
Gross dimensions, mm	610x455x485	700x545x590	700x545x590
Net weight, kg	45.4	77.2	86.5
Gross weight, kg	47.5	79.6	88.9
Protection class	IP23M		
QR code			

# GASOLINE SINGLE- AND TWO-CYLINDER GENERATORS

**8.0 kW–15.6 kVA**

New generators for your attention - powerful gasoline single and twin-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 1/3 generators also have a unique VTS phase switching technology that enables single-phase (230V) or three-phase (400V) operation with almost no power loss. These models use reliable single and twin-cylinder air-cooled 18.5-22 hp engines, alternators with 100% copper winding and automatic voltage regulation (AVR). Generators are also equipped with convenient, ergonomic control panel with emergency stop button and multi-function LED display to control generator operation - voltage, frequency and hours worked. Each model is equipped with outlets to allow you to get maximum power delivered by the device. These outlets are fitted with fuses and appropriate plugs. 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 will protect the device from mechanical damage and environmental influences.



Engine emergency shutdown

LED-display: voltage, frequency, working hours

Powerful and reliable 1- or 2-cylinder engines Könner & Söhne TM



High-capacity fuel tank - 55 l with built-in fuel level indicator

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

Input for ATS (universal 5-pin input)

Transportation kit



POWERFUL ENGINE

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



SYSTEM VTS

Universal 2 in 1 generator with unique phase switching system VTS (Voltage Transfer Switch), which allows you to use one generator both for single-phase (230 V) and three-phase appliances (400 V).



ERGONOMIC CONTROL PANEL

The user-friendly ergonomic control panel allows easy control of the whole device, requires no special skills, and is equipped with outlets designed for receiving of full power delivered by the generator. Each socket is equipped with a suitable plug



ATS OUTPUT

The generator is suitable for connecting the ATS (Automatic transfer switch) system. The ATS output features a universal 8-pin connector with no system choice limitation for the automatic transfer switch.

# GASOLINE SINGLE- AND TWO-CYLINDER GENERATORS WITH AIR COOLING



## KS 12-1E ATSR

MAX POWER	9.2 kW
NOMINAL POWER	9.0 kW
ENGINE POWER	18.5 hp
ENGINE START	manual/electro
FUEL TYPE	gasoline
ENGINE MODEL	KS 650
OUTLETS	1x63A/1x32A/1x16A
FUEL TANK VOLUME	55 l
CRANK CASE VOLUME	1.4 l
NET WEIGHT	131 kg
VOLTAGE	230 V
FREQUENCY	50 Hz

ABILITY TO CONNECT  
**ATS**



## KS 12-1E 1/3 ATSR

MAX/NOM POWER 230 V	8.2/8.0 kW
MAX/NOM POWER 400 V	11.5/11.25 kVA
ENGINE POWER	18.5 hp
ENGINE START	manual/electro
FUEL TYPE	gasoline
ENGINE MODEL	KS 650
OUTLETS	1x32A(400V)/1x32A(230V)/1x16A(230V)
FUEL TANK VOLUME	55 l
CRANK CASE VOLUME	1.4 l
NET WEIGHT	131 kg
VOLTAGE	230 V/400 V
FREQUENCY	50 Hz

ABILITY TO CONNECT  
**ATS**



SYSTEM  
**VTS**



## KS 15-1E ATSR

MAX/NOM POWER 230 V	12.5 kW
MAX/NOM POWER 400 V	12.0 kW
ENGINE POWER	22 hp
ENGINE START	electro
FUEL TYPE	gasoline
ENGINE MODEL	KS 780
OUTLETS	1x63A/1x32A/1x16A
FUEL TANK VOLUME	55 l
CRANK CASE VOLUME	1.5 l
NET WEIGHT	157 kg
VOLTAGE	230 V
FREQUENCY	50 Hz

ABILITY TO CONNECT  
**ATS**



## KS 15-1E 1/3 ATSR

MAX/NOM POWER 230 V	11.5/11.0 kW
MAX/NOM POWER 400 V	15.6/15.0 kVA
ENGINE POWER	22 hp
ENGINE START	electro
FUEL TYPE	gasoline
ENGINE MODEL	KS 780
OUTLETS	1x32A(400V)/1x63A(230V)
FUEL TANK VOLUME	55 l
CRANK CASE VOLUME	1.5 l
NET WEIGHT	157 kg
VOLTAGE	230 V/400 V
FREQUENCY	50 Hz

ABILITY TO CONNECT  
**ATS**



SYSTEM  
**VTS**



## GASOLINE AIR-COOLED SINGLE AND TWIN-CYLINDER GENERATORS



**GENERATOR POWER**  
8.0 kW – 15.6 kVA



**MANUAL/ELECTRO ENGINE START**



**VOLTAGE 230 V/400 V**



**ENGINE POWER**  
18.5 – 22 HP



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 (230V), 1x32A (230V) 1x32A (230V)	1x32A (400V), 1x32A (230V) 1x16A (230V)		1x63A (230V), 1x32A (230V) 1x16A (230V)	1x63A (230V), 1x32A (400V)	
Fuel tank volume, l	55	55		55	55	
LED-display	voltage, frequency, working hours, oil alarm					
Noise level L <sub>PA</sub> (7 m)/L <sub>WA</sub> , dB	71/96	71/96		72/97	72/97	
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 <sup>3</sup>	1.4	1.4		1.5	1.5	
Engine cylinder volume, cm <sup>3</sup>	625	625		750	750	
Power output controller	intelligent voltage stabilization system AVR					
Engine start	manual/electro	manual/electro		electro	electro	
Power factor, cosφ	1	1		1	1	
Ability to connect ATS (8-pin connector)	+	+		+	+	
Net dimensions, mm	790x705x680	790x705x680		797x705x805	797x705x805	
Gross dimensions, mm	800x715x780	800x715x780		807x715x905	807x715x905	
Net weight, kg	131	131		157	157	
Gross weight, kg	145	145		165	165	
Protection class	IP23M					
QR code						

# GASOLINE AIR-COOLED SINGLE AND TWIN-CYLINDER GENERATORS



GASOLINE GENERATORS

- ✓ Reliable single and twin-cylinder 18.5 – 22 hp air-cooled engines
- ✓ Ergonomic control panel is equipped with a LED display and an emergency stop button
- ✓ Overload protection, automatic stop at low oil level
- ✓ Reinforced Ø 32mm steel frame and dual anti-vibration system
- ✓ AVR Intelligent System provides output voltage stability
- ✓ Equipped with a transport kit for easy transportation
- ✓ VTS phase switching system - single-phase (230V) or three-phase (400V) operation
- ✓ Capacious fuel tank (55 l)



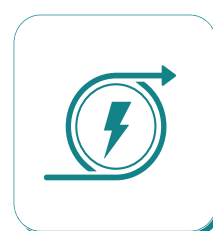
POWERFUL ENGINE



CONVENIENT TRANSPORTATION



LED DISPLAY



CONNECTING THE ATS SYSTEM

## AUTOMATIC TRANSFER SWITCH

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.

8-pin input for ATS

### KS ATS 4/32-12

<b>POWER</b>	<b>14 kW(230V)/21 kW(400V)</b>
<b>VOLTAGE</b>	<b>230V/400 V</b>
<b>CURRENT (MAX) 230V</b>	<b>63A</b>
<b>CURRENT (MAX) 400V</b>	<b>32A</b>
<b>DIMENSIONS</b>	<b>405×325×200 mm</b>

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

**230V/400V**



8-pin input for ATS

### KS ATS 4/32-15

<b>POWER</b>	<b>14 kW(230V)/21 kW(400V)</b>
<b>VOLTAGE</b>	<b>230V/400 V</b>
<b>CURRENT (MAX) 230V</b>	<b>63A</b>
<b>CURRENT (MAX) 400V</b>	<b>32A</b>
<b>DIMENSIONS</b>	<b>405×325×200 mm</b>

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

**230V/400V**



Sold only with the generator

# DIESEL GENERATORS

## HEAVY DUTY SERIES



HEAVY DUTY series generators are designed for longer operation due to the increased engine service life, reinforced frame structure and rugged components.

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 universal 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 heavy-duty 30 Ah batteries.

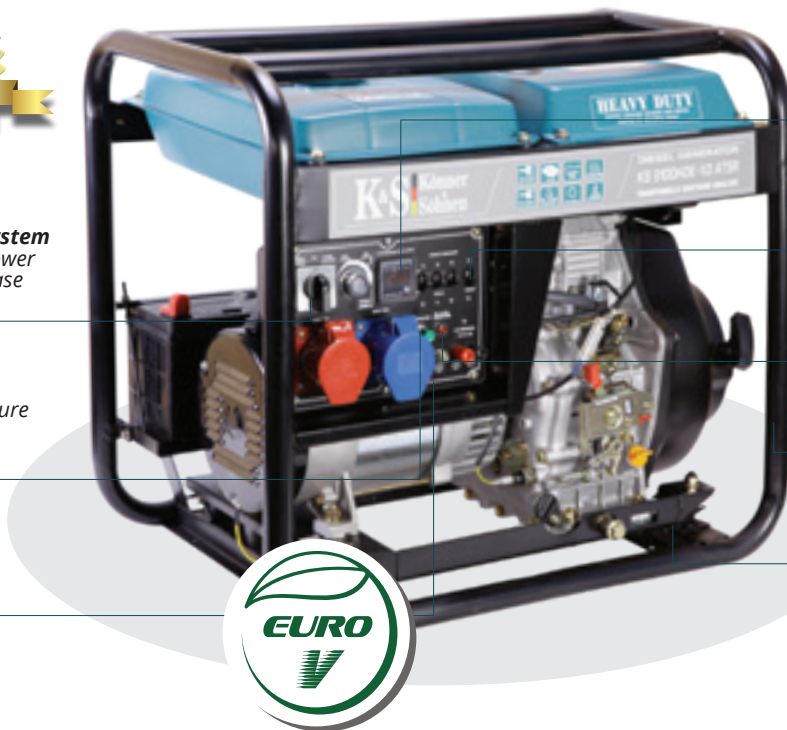
HEAVY DUTY series generators are intended for use not only as a backup power source, but also for continuous operation.



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

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

Input for ATS (universal 5-pin input)



LED-display: voltage, frequency, working hours

Engine emergency switch

Low oil level automatic switch-off

Reinforced steel frame ø32 mm

Double anti-vibration system, rubber dampers (corrosion protection)



**PRE-START HEATING**

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



**ATS OUTPUT**

The generator is suitable for connecting the ATS (Automatic transfer switch) system. The ATS output features a universal 5-pin connector with no system choice limitation for the automatic transfer switch.



**LED DISPLAY**

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



**SYSTEM VTS**

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

ENGINES MEET ALL EUROPEAN QUALITY STANDARDS,  
INCLUDING THE LATEST EURO V EMISSION STANDARD



**KS 6100HDE**  
**KS 6102HDE**

VOLTAGE	230 V
MAX POWER/NOMINAL POWER, 230 V	5.5/5.0 kW
ENGINE POWER	12 HP
ACCUMULATOR	30 Ah
PREHEATER	+
ENGINE START	manual/electro
FUEL TYPE	diesel
ENGINE MODEL	KS 440HD
OUTLETS	1x32A/1x16A
CRANK CASE VOLUME	1.65 l
50% POWER WORKING TIME	13 h
NET WEIGHT	107 kg
FREQUENCY	50 Hz



**KS 8100HDE**  
**KS 8102HDE**

VOLTAGE	230 V
MAX POWER/NOMINAL POWER, 230 V	6.5/6.0 kW
ENGINE POWER	14 HP
ACCUMULATOR	30 Ah
PREHEATER	+
ENGINE START	manual/electro
FUEL TYPE	diesel
ENGINE MODEL	KS 480HD
OUTLETS	1x32A/1x16A
CRANK CASE VOLUME	1.65 l
50% POWER WORKING TIME	12 h
NET WEIGHT	117 kg
FREQUENCY	50 Hz



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

VOLTAGE	230 V/400 V
MAX POWER/NOMINAL POWER, 230 V	5.5/5.0 kW
MAX POWER/NOMINAL POWER, 400 V	6.5/6.0 kW
ENGINE POWER	14 HP
ACCUMULATOR	30 Ah
INPUT FOR ATS	+
PREHEATER	+
ENGINE START	manual/electro
FUEL TYPE	diesel
ENGINE MODEL	KS 480HD
OUTLETS	1x32A(230V)/1x16A(400V)
CRANK CASE VOLUME	1.65 l
50% POWER WORKING TIME	12 h
NET WEIGHT	117 kg
FREQUENCY	50 Hz

ABILITY TO  
CONNECT  
**ATS**



**VTS**  
SYSTEM

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

VOLTAGE	230 V/400 V
MAX POWER/NOMINAL POWER, 230 V	6.4/5.9 kW
MAX POWER/NOMINAL POWER, 400 V	7.5/7.0 kW
ENGINE POWER	18 HP
ACCUMULATOR	30 Ah
INPUT FOR ATS	+
PREHEATER	+
ENGINE START	manual/electro
FUEL TYPE	diesel
ENGINE MODEL	KS 520HD
OUTLETS	1x32A(230V)/1x16A(400V)
CRANK CASE VOLUME	1.65 l
50% POWER WORKING TIME	11 h
NET WEIGHT	122 kg
FREQUENCY	50 Hz

ABILITY TO  
CONNECT  
**ATS**



**VTS**  
SYSTEM

DIESEL GENERATORS

## DIESEL GENERATORS HEAVY DUTY SERIES

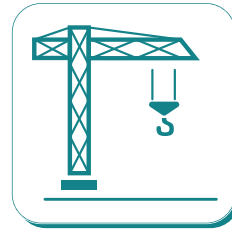
- ✔ Suitable for connecting an ATS unit (Automatic transfer switch)
- ✔ VTS phase switching system: suitable for single-phase (230V) or three-phase (400V) operation with almost equal power for single- and three-phase consumers.
- ✔ Pre-start heating procedure for an easy start (in cold season)
- ✔ Reinforced steel frame  $\varnothing$  32 mm, double anti vibration system



FOR HOME USE



FOR SMALL BUSINESS



FOR CONSTRUCTION



FOR FARMS AND AGRICULTURE



# GENERATORS Könner & Söhne

# DIESEL GENERATORS HEAVY DUTY SERIES



**GENERATOR POWER**  
5.0 – 7.5 kW



**MANUAL/ELECTRO**  
**ENGINE START**



**VOLTAGE 230 V/400 V**



**ENGINE POWER 12 – 18 HP**



ENGINES MEET ALL EUROPEAN QUALITY STANDARDS, INCLUDING THE LATEST EURO V EMISSION STANDARD.



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

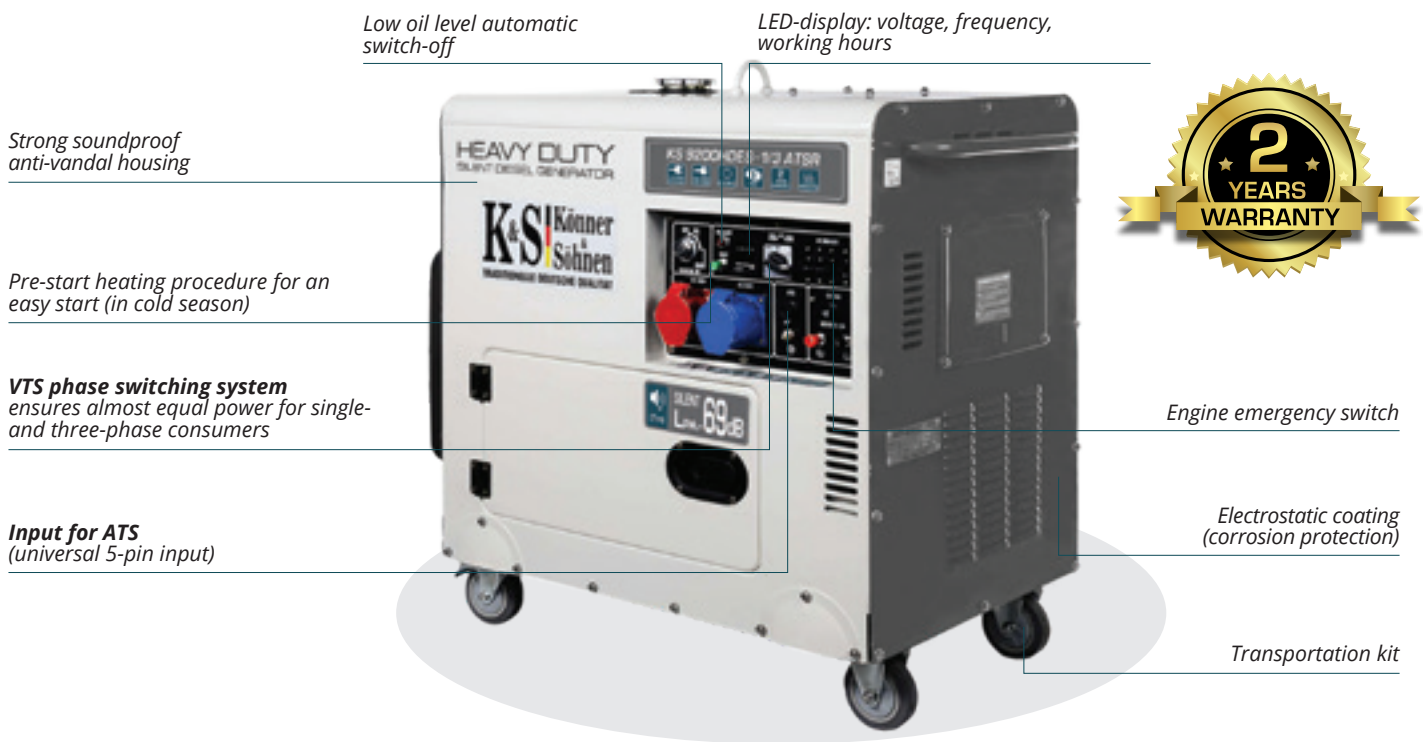
Voltage, V	230	230	230	400	230	400
Max power, kW	5.5	6.5	5.5	6.5	6.4	7.5
Nominal power, kW	5.0	6.0	5.0	6.0	5.9	7.0
Frequency, Hz	50	50	50		50	
Current, A(max)	23.91	28.26	23.04	11.74	27.83	13.54
Outlets	1x16A 1x32A	1x16A 1x32A	1 x 16A (400V) 1 x 32A (230V)		1 x 16A (400V) 1 x 32A (230V)	
50% power working time	13	12	12		11	
LED display	voltage, frequency, working hours					
Noise level L <sub>PA</sub> (7 m)/L <sub>WA</sub> , 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 480HD	KS 480HD		KS 520HD	
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, cm <sup>3</sup>	1.65	1.65	1.65		1.65	
Engine cylinder volume, cm <sup>3</sup>	418	456	456		498	
Power output controller	intelligent voltage stabilization system AVR					
Engine start	manual/electro	manual/electro	manual/electro		manual/electro	
Power factor, cosφ	1	1	1.0	0.8	1.0	0.8
The diameter of the frame	32 mm, round					
Accumulator, Ah	30	30	30		30	
Ability to connect ATS (5-pin connector)	-	-	+		+	
Preheater	+	+	+		+	
Net dimensions, mm	730x495x630	730x495x630	730x495x630		730x495x630	
Gross dimensions, mm	775x500x655	760x550x660	750x550x670		750x520x660	
Net weight, kg	107	117	117		122	
Gross weight, kg	115	125	125		130	
Protection class	IP23M					
QR code						

## DIESEL GENERATORS HEAVY DUTY SERIES



We present high-end KS 8200HDES-1/3 ATSR and KS 9200HDES -1/3 ATSR models of HEAVY DUTY SILENT series diesel generators in a soundproof anti-vandal housing. These models have many advantages compared to ordinary diesel generators. Thanks to their robust to their robust housing, the KS 8200HDES-1/3 ATSR and KS 9200HDES-1/3 ATSR generators have reduced noise level, additional protection from all weather conditions, dust and dirt. Sturdy metal housing protects the generator from tampering attempts.

Like other generators of HEAVY DUTY series, these models feature increased service life (up to 3000 operating hours), pre-start heating of fuel mixture, which is especially necessary for startup during the cold season, as well as a unique VTS phase switching system. We are sure that our generators will become your reliable assistants and will not let you down at a crucial moment.



### 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.



### 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 mode (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) system. The ATS output features a universal 5-pin connector with no system choice limitation for the automatic transfer switch.



### PRE-START HEATING

HEAVY DUTY series generators are equipped with a fuel mixture preheater which is especially necessary for startup during the cold season.

## DIESEL GENERATORS HEAVY DUTY SERIES



### KS 8200HDES-1/3 ATSR

VOLTAGE	230 V/400 V
MAX POWER/NOMINAL POWER, 230 V	5.5/5.0 kW
MAX POWER/NOMINAL POWER, 400 V	6.5/6.0 kW
ENGINE POWER	14 hp
ENGINE START	electro
FUEL TYPE	diesel
ENGINE MODEL	KS 480HD
OUTLETS	1x32A(230V)/1x16A(400V)
PREHEATER	15 l
CRANK CASE VOLUME	1.65 l
ACCUMULATOR	30 Ah
NET WEIGHT	163 kg
FREQUENCY	50 Hz

ENGINES MEET ALL EUROPEAN QUALITY STANDARDS, INCLUDING THE LATEST EURO V EMISSION STANDARD



ANSCHLUSSMÖGLICHKEIT  
ATS



SYSTEM  
VTS



### KS 9200HDES-1/3 ATSR KS 9202HDES-1/3 ATSR

VOLTAGE	230 V/400 V
MAX POWER/NOMINAL POWER, 230 V	6.4/5.9 kW
MAX POWER/NOMINAL POWER, 400 V	7.5/7.0 kW
ENGINE POWER	18 hp
ENGINE START	electro
FUEL TYPE	diesel
ENGINE MODEL	KS 520HD
OUTLETS	1x32A(230V)/1x16A(400V)
PREHEATER	+
CRANK CASE VOLUME	1.65 l
ACCUMULATOR	30 Ah
NET WEIGHT	168 kg
FREQUENCY	50 Hz

ANSCHLUSSMÖGLICHKEIT  
ATS



SYSTEM  
VTS

## SUPER SILENT DIESEL GENERATORS

MAXIMUM POWER FOR A ONE-CYLINDER ENGINE!

### KS 9200HDE ATSR



ANSCHLUSSMÖGLICHKEIT  
ATS

VOLTAGE	230 V
MAX POWER/NOMINAL POWER, 230 V	6.8/6.5 kW
ENGINE POWER	14 hp
ENGINE START	electro
FUEL TYPE	diesel
ENGINE MODEL	KS 540HD
OUTLETS	1x32A(230V)/1x16A(230V)
PREHEATER	+
CRANK CASE VOLUME	1.65 l
ACCUMULATOR	30 Ah
NET WEIGHT	170 kg
FREQUENCY	50 Hz



ANSCHLUSSMÖGLICHKEIT  
ATS

### KS 11-2DE ATSR

VOLTAGE	230 V
MAX POWER/NOMINAL POWER, 230 V	8.0/7.5 kW
ENGINE POWER	15 hp
ENGINE START	electro
FUEL TYPE	diesel
ENGINE MODEL	KS 690HD
OUTLETS	1x32A(230V)/1x16A(230V)
PREHEATER	+
CRANK CASE VOLUME	2.2 l
ACCUMULATOR	36 Ah
NET WEIGHT	216 kg
FREQUENCY	50 Hz



## DIESEL GENERATORS HEAVY DUTY SERIES



### MULTIFUNCTION LED-DISPLAY:

- VOLTAGE
- FREQUENCY
- OPERATION TIME FROM START-UP IN MINUTES
- TOTAL OPERATING HOURS OF THE GENERATOR



## GENERATORS Könner & Söhnen

# DIESEL GENERATORS HEAVY DUTY SERIES



**GENERATOR POWER**  
5.0 – 8.0 kW



**ELECTRO ENGINE START**



**VOLTAGE 230 V/400 V**



**ENGINE POWER**  
14 – 18 HP



**ABILITY TO CONNECT**  
**ATS**



KS 8200HDES-1/3 ATSR

KS 9200HDES-1/3 ATSR  
KS 9202HDES-1/3 ATSR

KS 9200HDE ATSR

KS 11-2DE ATSR

Voltage, V	230	400	230	400	230	230
Max power, kW	5.5	6.5	6.4	7.5	6.8	8.0
Nominal power, kW	5.0	6.0	5.9	7.0	6.5	7.5
Frequency, Hz	50		50		50	50
Current, A(max)	23.04	11.74	27.82	13.54	29.37	34.78
Outlets	1x16A (400V) 1x32A (230V)		1x16A (400V) 1x32A (230V)		1x32A (230V) 1x 6A (230V)	1x32A (230V) 1x16A (230V)
50% power working time	12		11		15	25
LED display	voltage, frequency, working hours					
Noise level L <sub>PA</sub> (7 m)/L <sub>WA</sub> , dB	69/94		69/94		69/94	69/94
Power output DC, V/A	12/8.3		12/8.3		12/8.3	12/8.3
Engine model	KS 480HD		KS 520HD		KS 540HD	KS 690HD
Engine type	diesel powered one-cylinder, four-stroke air-cooled					
Engine power hp/kW	14.0/10.3		18.0/13.24		14/10.3	15/11.03
Crank case volume, cm <sup>3</sup>	1.65		1.65		1.65	2.1
Engine cylinder volume, cm <sup>3</sup>	456		498		531	668
Power output controller	intelligent voltage stabilization system AVR					
Engine start	electro		electro		electro	electro
Power factor, cosφ	1	0.8	1	0.8	1	1
Accumulator, Ah	30		30		30	36
Input for ATS	+		+		+	+
Preheater	+		+		+	+
Net dimensions, mm	900x545x905		900x545x905		890x520x690	1100x600x750
Gross dimensions, mm	960x570x985		960x570x985		950x565x750	1150x650x850
Net weight, kg	163		168		170	216
Gross weight, kg	173		178		180	230
Protection class	IP23M					
QR code						

# TWO-CYLINDER DIESEL GENERATORS

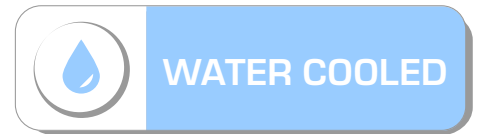
## HEAVY DUTY SERIES WITH WATER COOLING

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 Könner & Söhne TM with a capacity of 7.7kW - 11.25 kVA.

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



External emergency stop button  
(for models KS 13-2DEW ATSR, KS 13-2DEW 1/3 ATSR)



LED-display  
(for model KS 13-1DEW 1/3 ATSR)  
Multifunction control unit  
(for models KS 13-2DEW ATSR,  
KS 13-2DEW 1/3 ATSR)

Electrostatic painting ANTISCRATCHING  
(corrosion protection)

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)

Engine life up to 3000 hours

Soundproof antivandal  
housing

Input for ATS  
(universal 5-pin input)

ADDITIONAL ACCESSORIES  
AND EXTRA FILTERS

Transportation kit



### POWERFUL AND RELIABLE ENGINE

High-performance, optimally balanced V-shaped two-cylinder four-stroke engine with air cooling (18 hp), which provides reduced vibration of the generator during operation and has an increased engine life.



### ERGONOMIC CONTROL PANEL

Convenient ergonomic control panel allows easy control of the whole device without additional skills. Outlets designed to use the maximum power of the generator, with a multifunctional digital control unit SMART GEN.



### ABILITY TO CONNECT ATS

The generator has the ability to connect the ATS system (automatic transfer switch). The ATS output has a universal 5-pin connector, which does not limit the choice of an automatic reserve input system.



### 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 mode (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.

# DIESEL GENERATORS HEAVY DUTY SERIES V-TYPE TWIN-CYLINDER ENGINES WITH WATER COOLING



## KS 13-1DEW 1/3 ATSR

ABILITY TO CONNECT | 230V-400V  
**ATS** | **VTS**

VOLTAGE	230 V/400 V
MAX POWER/NOMINAL POWER, 230 V	8.1/7.7 kW
MAX POWER/NOMINAL POWER, 400 V	11.25/10.63 kVA
ENGINE POWER	18 hp
ENGINE START	electro
FUEL TYPE	diesel, 2-cylinder
ENGINE MODEL	KS 820HD
OUTLETS	1x16A(230V)/1x32A(230V) 1x16A(400V)/1x32A(400V)
FUEL TANK VOLUME	30 l
CRANK CASE VOLUME	3.3 l
ACCUMULATOR	36 Ah
NET WEIGHT	210 kg
FREQUENCY	50 Hz



DIESEL GENERATORS



## KS 13-2DEW ATSR

VOLTAGE	230 V
MAX POWER/NOMINAL POWER, 230 V	9.0/8.5 kW
ENGINE POWER	18 hp
ENGINE START	electro
FUEL TYPE	diesel, 2-cylinder
ENGINE MODEL	KS 820HD
OUTLETS	1x63A/1x32A/2x16A
FUEL TANK VOLUME	25 l
CRANK CASE VOLUME	3.3 l
ACCUMULATOR	36 Ah
NET WEIGHT	310 kg
FREQUENCY	50 Hz



## KS 13-2DEW 1/3 ATSR

VOLTAGE	230 V/400 V
MAX POWER/NOMINAL POWER, 230 V	8.1/7.7 kW
MAX POWER/NOMINAL POWER, 400 V	11.25/10.63 kVA
ENGINE POWER	18 hp
ENGINE START	electro
FUEL TYPE	diesel, 2-cylinder
ENGINE MODEL	KS 820HD
OUTLETS	1x16A(230V)/1x32A(230V) 1x16A(400V)/1x32A(400V)
FUEL TANK VOLUME	25 l
CRANK CASE VOLUME	3.3 l
ACCUMULATOR	36 Ah
NET WEIGHT	310 kg
FREQUENCY	50 Hz



## DIESEL GENERATORS HEAVY DUTY SERIES V-TYPE TWIN-CYLINDER ENGINES WITH WATER COOLING



**GENERATOR POWER**  
7.7 kW – 11.25 kVA



**VOLTAGE 230 V/400 V**



**ENGINE POWER 18 HP**



**TWO TYPES OF EXECUTION:**  
OPEN FRAME OR  
SOUNDPROOF HOUSING



**WATER COOLED**



	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	8.1 kW	11.25 kVA	9.0 kW	8.1 kW	11.25 kVA
Nominal power	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 (230V), 1x16A (230V) 1x32A (400V), 1x16A (400V)		1x63A (230V), 1x32A (230V), 2x16A (230V) contact bar	1x32A (230V), 1x16A (230V) 1x32A (400V), 1x16A (400V) contact bar	
Fuel tank volume, l	30		25	25	
LED display	voltage, frequency, working hours		multifunction digital control unit SMARTGEN		
Noise level L <sub>PA</sub> (7 m)/L <sub>WA</sub> , dB	73/98		69/94	69/94	
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	18/13.24		18/13.24	18/13.24	
Crank case volume, cm <sup>3</sup>	3.3		3.3	3.3	
Engine cylinder volume, cm <sup>3</sup>	794		794	794	
Power output controller	intelligent voltage stabilization system AVR				
Engine start	electro		electro	electro	
Power factor, cosφ	1	0.8	1	1	0.8
Accumulator, Ah	36		36	36	
Ability to connect ATS (5-pin connector)	+		+	+	
Preheater	+		+	+	
Net dimensions, mm	1050x640x700		1250x650x760	1250x650x760	
Gross dimensions, mm	1100x680x820		1300x700x880	1300x700x880	
Net weight, kg	210		310	310	
Gross weight, kg	240		345	345	
Protection class	IP23M				
QR code					

## TWO-CYLINDER DIESEL GENERATORS HEAVY DUTY SERIES

**7.7 kW-13.75 kVA**



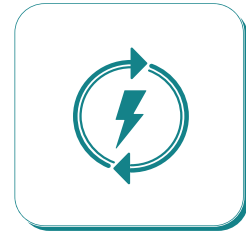
SOUNDPROOF  
ANTIVANDAL  
HOUSING



VTS-SYSTEM  
230V/400V



MULTIFUNCTION DIGITAL  
CONTROL UNIT OR  
LED DISPLAY



ABILITY TO  
CONNECT ATS

## HEAVY DUTY SILENT DIESEL GENERATOR



# TWO CYLINDER DIESEL GENERATORS

## HEAVY DUTY SERIES WITH AIR COOLING

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 of all key indicators of the operating state. KS 14-2DE ATSR and KS 14-2DE 1/3 ATSR models are equipped with the SmartGen multifunction device. The SmartGen control unit is an intelligent digital controller that combines digital and intelligent functions to control and protect the generator. The VTS phase switching system provides almost identical power for 1 and 3 phases (for the KS 14-2DE 1/3 ATSR model).



### POWERFUL TWO-CYLINDER 4-STROKE ENGINE WITH AIR COOLING (21 HP)

Emergency engine stop button

Soundproof, all-weather anti-vandal housing

VTS phase switching system equivalent performance for one-phase and three-phase operation (for model KS 14-2DE 1/3 ATSR)

Ability to connect ATS (universal 5 pin)



Electrostatic painting ANTISCRATCHING (corrosion protection)

ADDITIONAL ACCESSORIES AND EXTRA FILTERS



Engine life up to 3000 hours

Transportation kit



### HIGH-PERFORMANCE TWO-CYLINDER ENGINE

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



### PROTECTIVE ANTI-VANDAL HOUSING

All-weather protective anti-vandal 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).



### CONTACT BAR

Powerful two-cylinder models of Könnner & Söhne TM 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.

## DIESEL GENERATORS HEAVY DUTY SERIES TWIN-CYLINDER ENGINES WITH AIR COOLING



### KS 14-1DE ATSR

VOLTAGE	230 V
MAX POWER/NOMINAL POWER, 230 V	11.0/10.5 kW
ENGINE POWER	21 hp
ENGINE START	electro
FUEL TYPE	diesel, 2-cylinder
ENGINE MODEL	KS 1020HD
OUTLETS	1x63A/1x32A/2x16A
PREHEATER	+
CRANK CASE VOLUME	2.8 l
ACCUMULATOR	36 Ah
NET WEIGHT	220 kg
FREQUENCY	50 Hz



DIESEL GENERATORS



### KS 14-2DE ATSR

VOLTAGE	230 V
MAX POWER/NOMINAL POWER, 230 V	11.0/10.5 kW
ENGINE POWER	21 hp
ENGINE START	electro
FUEL TYPE	diesel, 2-cylinder
ENGINE MODEL	KS 1020HD
OUTLETS	1x63A/1x32A/2x16A
PREHEATER	+
CRANK CASE VOLUME	2.8 l
ACCUMULATOR	36 Ah
NET WEIGHT	320 kg
FREQUENCY	50 Hz



### KS 14-2DE 1/3 ATSR

VOLTAGE	230 V/400 V
MAX POWER/NOMINAL POWER, 230 V	10.0/9.5 kW
MAX POWER/NOMINAL POWER, 400 V	13.75/13.1 kVA
ENGINE POWER	21 hp
ENGINE START	electro
FUEL TYPE	diesel, 2-cylinder
ENGINE MODEL	KS 1020HD
OUTLETS	1x16A(230V)/1x32A(230V) 1x16A(400V)/1x32A(400V)
PREHEATER	+
CRANK CASE VOLUME	2.8 l
ACCUMULATOR	36 Ah
NET WEIGHT	320 kg
FREQUENCY	50 Hz





## DIESEL GENERATORS HEAVY DUTY SERIES TWO-CYLINDER ENGINES WITH AIR COOLING



**GENERATOR POWER**  
9.5 kW – 13.75 kVA



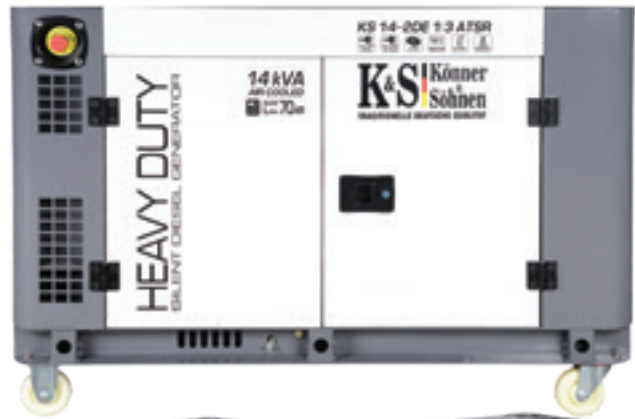
**TWO TYPES OF EXECUTION:**  
OPEN FRAME  
OR SOUNDPROOF HOUSING



**VOLTAGE 230 V/400 V**



**ENGINE POWER 21 HP**



KS14-1DE ATSR

KS14-2DE ATSR

KS14-2DE 1/3 ATSR

Voltage, V	230	230	230	400
Max power	11.0 kW	11.0 kW	10.0 kW	13.75 kVA
Nominal power	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(230V), 1x32A(230V), 2x16A(230V)	1x63A(230V), 1x32A(230V), 2x16A(230V)	1x32A(230V), 1x16A(230V) 1x32A(400V), 1x16A(400V)	
Fuel tank volume, l	30	25	25	
50% power working time	-	-	-	-
LED display	voltage, frequency, working hours		multifunction digital control unit SmartGen	
Noise level L <sub>PA</sub> (7 m)/L <sub>WA</sub> , dB	74/99	70/95	70/95	
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, cm <sup>3</sup>	3.3	3.3	3.3	
Engine cylinder volume, cm <sup>3</sup>	997	997	997	
Power output controller	intelligent voltage stabilization system AVR			
Engine start	electro	electro	electro	
Power factor, cosφ	1	1	1	0.8
Accumulator, Ah	36	36	36	
Ability to connect ATS (5-pin connector)	+	+	+	
Preheater	+	+	+	
Net dimensions, mm	950x640x700	1250x650x760	1250x650x760	
Gross dimensions, mm	1000x680x820	1300x700x880	1300x700x880	
Net weight, kg	220	320	320	
Gross weight, kg	240	345	345	
Protection class	IP23M			
QR code				

# 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.

5-pin input for ATS

## KS ATS 1/40HD

<b>POWER</b>	<b>9.2 kW</b>
<b>VOLTAGE</b>	<b>230 V</b>
<b>CURRENT (MAX)</b>	<b>40 A</b>
<b>DIMENSIONS</b>	<b>300x400x200 mm</b>

230V



5-pin input for ATS

## KS ATS 3/18HD

<b>POWER</b>	<b>12.5 kW</b>
<b>VOLTAGE</b>	<b>400 V</b>
<b>CURRENT (MAX)</b>	<b>18 A</b>
<b>DIMENSIONS</b>	<b>300x400x200 mm</b>

400V



5-pin input for ATS

## KS ATS 4/63HD

<b>POWER</b>	<b>14.4 kW</b>
<b>VOLTAGE</b>	<b>230 V/400 V</b>
<b>CURRENT (MAX) 230V</b>	<b>63A (120A)</b>
<b>CURRENT (MAX) 400V</b>	<b>63A</b>
<b>DIMENSIONS</b>	<b>520x420x220 mm</b>

230V/400V



### 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
- Engine performance monitoring
- Battery charging when the generator is off

Sold only with the generator

# INVERTER GENERATORS

Inverter-type gasoline generators are handy portable power sources. Inverter generators line is represented in 1.0 to 7.0 kW power range which allows us to meet the needs of any customer and cover all possible uses of this generator type. There are inverter generators equipped with the noise absorbing casing and standard ones (with open frame).

One of the key features of these generators is that they produce electric current with correct sinusoid. This solution is ideal to ensure the stable operation of sophisticated electronic devices, electronic measuring instruments, audio equipment, medical equipment, etc.

In addition, inverter generators are convenient to transport. Due to their small size, low weight and economy – these models will become your irreplaceable assistants when fishing, picnicking or hiking.



- ✓ ECONOMY MODE
- ✓ OVERLOAD PROTECTION AND SHORT CIRCUIT PROTECTION
- ✓ AUTOMATIC LOW OIL LEVEL PROTECTION



- LCD-Display: Voltage, Current, Load, Operating Hours
- Robust Könner & Söhnen TM engine
- Manual start
- Improved anti-vibration system
- Stands



HOUSING

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



PURE SINE WAVE

Double conversion of electric energy provides the pure sine wave, which enables to use generators to ensure reliable operation of sensitive and high-precision electronics, computers, electronic measuring instruments, medical devices, heating boilers, etc.



ECONOMY MODE

Engines of inverter generators from Könner & 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.



COMPACT SIZE

The compact size and light weight of inverter generators from Könner & Söhnen make them very user-friendly and easy-to-handle, which allows to expand greatly their field of application. This makes them easy to use and indispensable on a camping trip or on a picnic.

## INVERTER GENERATORS



### KS 1200i

<b>MAX POWER</b>	<b>1.2 kW</b>
<b>NOMINAL POWER</b>	<b>1.0 kW</b>
<b>ENGINE POWER</b>	<b>2.0 hp</b>
<b>ENGINE START</b>	<b>manual</b>
<b>FUEL TYPE</b>	<b>gasoline</b>
<b>ENGINE MODEL</b>	<b>KS 110i</b>
<b>OUTLETS</b>	<b>1x16A</b>
<b>VOLTAGE</b>	<b>230 V</b>
<b>NET WEIGHT</b>	<b>13 kg</b>
<b>FREQUENCY</b>	<b>50 Hz</b>



### KS 2100i

<b>MAX POWER</b>	<b>1.8 kW</b>
<b>NOMINAL POWER</b>	<b>1.6 kW</b>
<b>ENGINE POWER</b>	<b>3.26 hp</b>
<b>ENGINE START</b>	<b>manual</b>
<b>FUEL TYPE</b>	<b>gasoline</b>
<b>ENGINE MODEL</b>	<b>KS 140i</b>
<b>OUTLETS</b>	<b>2x16A</b>
<b>VOLTAGE</b>	<b>230 V</b>
<b>NET WEIGHT</b>	<b>18 kg</b>
<b>FREQUENCY</b>	<b>50 Hz</b>



### KS 2000i S

<b>MAX POWER</b>	<b>2.0 kW</b>
<b>NOMINAL POWER</b>	<b>1.7 kW</b>
<b>ENGINE POWER</b>	<b>3.26 hp</b>
<b>ENGINE START</b>	<b>manual</b>
<b>FUEL TYPE</b>	<b>gasoline</b>
<b>ENGINE MODEL</b>	<b>KS 125i</b>
<b>OUTLETS</b>	<b>2x16A</b>
<b>VOLTAGE</b>	<b>230 V</b>
<b>NET WEIGHT</b>	<b>22 kg</b>
<b>FREQUENCY</b>	<b>50 Hz</b>



INVERTER GENERATORS

- ✓ Compact size and light weight
- ✓ Noise enclosure housing
- ✓ Robust Könnert & Söhne TM engine
- ✓ Economy mode
- ✓ Automatic overload protection (overload indicator)
- ✓ Automatic stop at low oil level (oil level indicator)
- ✓ Easy manual start system

## INVERTER GENERATORS



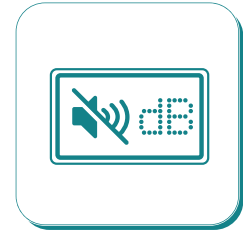
LPG/GASOLINE



EASY MANUAL  
OR ELECTRIC START



EASY TO MANEUVER AND  
TRANSPORT



LOW NOISE LEVEL



### KS 3300i S

MAX POWER	3.3 kW
NOMINAL POWER	3.1 kW
ENGINE POWER	6.16 hp
ENGINE START	manual
FUEL TYPE	gasoline
ENGINE MODEL	KS 170i
OUTLETS	2x16A
VOLTAGE	230 V
NET WEIGHT	33 kg
FREQUENCY	50 Hz



### KS 3500i

MAX POWER	3.3 kW
NOMINAL POWER	3.0 kW
ENGINE POWER	5.9 hp
ENGINE START	manual
FUEL TYPE	gasoline
ENGINE MODEL	KS 230i
OUTLETS	1x16A
VOLTAGE	230 V
NET WEIGHT	34 kg
FREQUENCY	50 Hz



### KS 4000iE S

MAX POWER	4.0 kW
NOMINAL POWER	3.6 kW
ENGINE POWER	6.7 PS
ENGINE START	Manual/electro
FUEL TYPE	gasoline
ENGINE MODEL	KS 290i
OUTLETS	2x16A
VOLTAGE	230 V
MOBILE CONTROL	+
NET WEIGHT	58 kg
FREQUENCY	50 Hz



# INVERTER GENERATORS



**GENERATOR POWER**  
1.0 – 4.0 kW



**MANUAL/ELECTRO**  
**ENGINE START**



**VOLTAGE 230 V**



**ENGINE POWER**  
2.0 – 6.7 HP



KS 1200i

KS 2100i

KS 2000i S

KS 3300i S

KS 3500i

KS 4000i E

Max power, kW	1.2	1.8	2.0	3.3	3.3	4.0
Nominal power, kW	1.0	1.6	1.7	3.1	3.0	3.6
Engine power, hp	2.0	3.26	3.26	6.16	5.9	6.7
Frequency, Hz	50	50	50	50	50	50
Voltage, V	230	230	230	230	230	230
Current, A (max)	5.22	7.83	8.70	14.35	14.35	17.39
Engine model	KS 110i	KS 140i	KS 125i	KS 170i	KS 230i	KS 290i
Engine cylinder volume, cm <sup>3</sup>	87	119	105	149	207	270
Engine type	gasoline powered one-cylinder, four-stroke air-cooled					
Outlets	1x16A	2x16A	2x16A	2x16A	1x16A	2x16A
LCD display	-	-	-	Voltage, current, load, operating hours		
50% power working time, h	5.5	4.5	5.0	5.0	4.0	7.0
Power factor cosφ	1	1	1	1	1	1
Fuel tank volume, cm <sup>3</sup>	3.5	5.5	4.0	7.0	8.0	13.0
Crank case volume, cm <sup>3</sup>	0.4	0.4	0.35	0.45	0.45	1.0
Engine start	manual	manual	manual	manual	manual	manual/electro
Noise level L <sub>PA</sub> (7 m)/L <sub>WA</sub> , dB	67/92	68/93	58/83	58/83	69/94	58/83
Mobile control	-	-	-	-	-	+
Net dimensions, mm	310*310*380	375*340*405	550*290*460	580*305*490	470*395*450	600*455*510
Gross dimensions, mm	335*330*415	410*380*435	615*356*500	600*335*515	525*455*510	635*488*563
Net weight, kg	13	18	22	33	34	58
Gross weight, kg	17	22	24	35	38	62
Protection class	IP23M					
QR code						

# INVERTOR GENERATORS

## PROFI SERIES WITH UNIQUE EXTENDED TECHNICAL FUNCTIONAL

The new line of inverter generators Pro series, as well as standard models, is equipped with a built-in electronic microprocessor unit that controls the operation of the generator and provides a maximum stable frequency of 50 Hz and a voltage of 230V. In addition, all generators are equipped with a unique iSS (Intelligent Start System) - automatic adjustment of the percentage of fuel-air composition for the easiest start and further operation of the engine when running on gasoline; the ECONOMY MODE switch, which reduces fuel consumption up to 50% at low loads due to reduced engine speed. Distinctive features of this line are additional functions: Turbo function - increases starting power by 20%; the possibility of using all models both on gasoline and LPG. There is also possibility to connect generators in parallel to get dual power and control generator from a mobile device. Like the standard line, the Pro series is presented in a noise-absorbing protective housing and in open version. All models are built on the basis of our own reliable K&S engines that meet all European quality standards, including the latest EURO V emission standard.

**iSS (INTELLIGENT START SYSTEM)**

Intelligent gasoline supply and air choke control

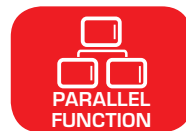
Additional reducer provides greater reliability of LPG connection

Economy mode

**TURBO mode**  
(+20% starting power)

Cylinder connection hose (1.5 m) is included

Integrated reducer



LCD display:  
voltage, current,  
load, operating hours

Mobile  
APP control

Automatic  
overload protection



PARALLEL CONNECTION  
(additional device for double power)



**MOBILE APP CONTROL**

Using a mobile application, you can start / stop the generator, monitor the generator operation, voltage, current, load and operating hours.



**DUAL-FUEL USE**

Both gasoline and LPG operation of the generator is possible (everything needed for cylinder connection is included). For greater reliability, the generator is equipped with two reducers.



**KS PU1**

Voltage - 230V  
Socket with protective cover - 1 \* 16A / 230V  
Connection terminals - 230V  
Cable length - 2 \* 180 cm  
Cable - AWG 2,08 mm<sup>2</sup>

**PARALLEL CONNECTION**

There is also a parallel connection function that ensures double power. Using a parallel connection device connected to a special socket on the generator, you can pair the generators and connect devices with greater power.



HANDLING TROLLEY

**KS TR100**

Height - 100 cm  
for models:  
KS 3300i S,  
KS 3300iEG S-Profi

**ACCESSORIES**

Special KS TR100 handling trolley for transportation purposes (suitable for KS 3300i S and KS 3300iEG S-Profi inverter generators). For generator KS 3300iEG S-Profi handling trolley included

## INVERTER GENERATORS PROFI SERIES WITH ADVANCED FUNCTIONALITY



### KS 3300iEG S-Profi

<b>MAXIMUM / NOMINAL POWER</b>	<b>3.3 / 3.1 kW</b>
<b>ENGINE POWER / ENGINE MODEL</b>	<b>6.16 PS / KS 170i</b>
<b>OUTLETS</b>	<b>2x16A</b>
<b>ENGINE START</b>	<b>manual/electro</b>
<b>FUEL TYPE</b>	<b>LPG/gasoline</b>
<b>VOLTAGE / FREQUENCY</b>	<b>230 V/50 Hz</b>
<b>MOBILE APP CONTROL</b>	<b>+</b>
<b>TURBO MODE</b>	<b>+</b>
<b>PARALLEL CONNECTION /</b>	<b>+</b>
<b>NET WEIGHT</b>	<b>33 kg</b>

Handling trolley KS TR100 sold only with the generator.



### KS 3500iE G-Profi

<b>MAXIMUM / NOMINAL POWER</b>	<b>3.5 / 3.0 kW</b>
<b>ENGINE POWER / ENGINE MODEL</b>	<b>5.9 PS / KS 230i</b>
<b>OUTLETS</b>	<b>1x16A</b>
<b>ENGINE START</b>	<b>manual/electro</b>
<b>FUEL TYPE</b>	<b>LPG/gasoline</b>
<b>VOLTAGE / FREQUENCY</b>	<b>230 V/50 Hz</b>
<b>MOBILE APP CONTROL</b>	<b>+</b>
<b>TURBO MODE</b>	<b>+</b>
<b>PARALLEL CONNECTION /</b>	<b>+</b>
<b>NET WEIGHT</b>	<b>34 kg</b>



### KS 4000iEG S-Profi

<b>MAXIMUM / NOMINAL POWER</b>	<b>4.0 / 3.6 kW</b>
<b>ENGINE POWER / ENGINE MODEL</b>	<b>6.7 PS / KS 290i</b>
<b>OUTLETS</b>	<b>2x16A</b>
<b>ENGINE START</b>	<b>manual/electro</b>
<b>FUEL TYPE</b>	<b>LPG/gasoline</b>
<b>VOLTAGE / FREQUENCY</b>	<b>230 V/50 Hz</b>
<b>MOBILE APP CONTROL</b>	<b>+</b>
<b>TURBO MODE</b>	<b>+</b>
<b>PARALLEL CONNECTION /</b>	<b>+</b>
<b>NET WEIGHT</b>	<b>58 kg</b>



### KS 7100iE G-Profi

<b>MAXIMUM / NOMINAL POWER</b>	<b>7.0 / 6.3 kW*</b>
<b>ENGINE POWER / ENGINE MODEL</b>	<b>11.5 PS / KS 430i</b>
<b>OUTLETS</b>	<b>1x16A/1x32A</b>
<b>ENGINE START</b>	<b>manual/electro</b>
<b>FUEL TYPE</b>	<b>LPG/gasoline</b>
<b>VOLTAGE / FREQUENCY</b>	<b>230 V/50 Hz</b>
<b>MOBILE APP CONTROL</b>	<b>+</b>
<b>TURBO MODE</b>	<b>+</b>
<b>PARALLEL CONNECTION /</b>	<b>+</b>
<b>NET WEIGHT</b>	<b>65 kg</b>



### KS 7200iEG S-Profi

<b>MAXIMUM / NOMINAL POWER</b>	<b>7.0 / 6.3 kW*</b>
<b>ENGINE POWER / ENGINE MODEL</b>	<b>11.5 PS / KS 430i</b>
<b>OUTLETS</b>	<b>1x16A/1x32A</b>
<b>ENGINE START</b>	<b>electro</b>
<b>FUEL TYPE</b>	<b>LPG/gasoline</b>
<b>VOLTAGE / FREQUENCY</b>	<b>230 V/50 Hz</b>
<b>MOBILE APP CONTROL</b>	<b>+</b>
<b>TURBO MODE</b>	<b>+</b>
<b>PARALLEL CONNECTION /</b>	<b>+</b>
<b>NET WEIGHT</b>	<b>95 kg</b>

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





## INVERTER GENERATORS PROFI SERIES WITH ADVANCED FUNCTIONALITY

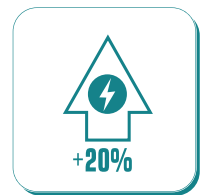
- ✓ The built-in microprocessor-controlled electronic unit controls the generator operation, provides the most stable frequency of 50 Hz and voltage of 230 V
- ✓ Unique Intelligent Start System (iSS) - automatic adjustment of the fuel-air mixture composition for the easiest start and further engine operation
- ✓ Advanced technical features: Turbo function increases starting power by 20%
- ✓ Operation on both gasoline and liquefied gas (propane-butane)
- ✓ Parallel connection for double power receiving
- ✓ Generator control with a mobile application
- ✓ Modern dual-fuel engine meets all European quality standards, including EURO V emission standard
- ✓ ECONOMY MODE - fuel economy mode reduces fuel consumption by up to 50%.
- ✓ Soundproof housing provides minimal noise, comfortable use and convenient transportation, is equipped with a transport kit for easy movement.
- ✓ It can be equipped with a compact mobile lighting mast Könner & Söhne for one, two or four lamps (KS LT 50W, KS LT 100W, KS LT 200W)



GASOLINE / LPG

CONTROL FROM A  
MOBILE DEVICE

ECONOMY MODE

POSSIBILITY OF PARALLEL  
CONNECTING

TURBO FUNCTION



# PROFI

INVERTER GENERATOR

# INVERTER GENERATORS PROFI SERIES WITH ADVANCED FUNCTIONALITY



**GENERATOR POWER**  
3.0 – 7.0 kW



**MANUAL/ELECTRO**  
ENGINE START



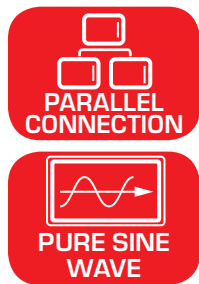
**VOLTAGE 230 V**



**ENGINE POWER**  
5.9 – 11.5 HP



**DUEL FUEL**  
LPG/GASOLINE



KS 3300iEG S - Profi    KS 3500iE G - Profi    KS 4000iEG S - Profi    KS 7100iE G - Profi    KS 7200iEG S - Profi

Max power, kW	3.3	3.5	4.0	7.0*	7.0*
Nominal power, kW	3.1	3.0	3.6	6.3*	6.3*
Engine power, hp	6.16	5.9	6.7	11.5	11.5
Frequency, Hz	50	50	50	50	50
Voltage, V	230	230	230	230	230
Current, A (max)	14.35	15.22	17.39	30.43	30.43
Engine model	KS 170i	KS 230i	KS 290i	KS 430i	KS 430i
Engine cylinder volume, cm <sup>3</sup>	149	207	270	406	406
Engine type	gasoline/LPG powered one-cylinder, four-stroke air-cooled				
Outlets	2x16A	1x16A	2x16A	1x16A 1x32A	1x16A 1x32A
LCD display	Voltage, current, load, operating hours				
50% power working time, h	5.0	4.0	7.0	5.0	8.0
Power factor cos φ	1	1	1	1	1
Fuel tank volume, cm <sup>3</sup>	7.0	8.0	13.0	18.0	22.0
Crank case volume, cm <sup>3</sup>	0.45	0.45	1.0	1.1	1.1
Engine start	manual/electro	manual/electro	manual/electro	manual/electro	electro
Noise level L <sub>PA</sub> (7 m)/L <sub>WA</sub> , dB	58/83	69/94	58/83	69/94	58/83
Possibility of parallel connection	+	+	+	+	+
TURBO function (+20% mode)	+	+	+	+	+
Mobile APP control	+	+	+	+	+
Net dimensions, mm	580*305*490	470*395*450	600*455*510	635*635*555	785*700*725
Gross dimensions, mm	600*335*515	525*455*510	635*488*563	690*680*620	840*756*875
Net weight, kg	33	34	58	65	95
Gross weight, kg	35	38	62	69	102
Protection class	IP23M				
QR code					

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

# ADDITIONAL EQUIPMENT

Parallel box

## KS PU1

<b>VOLTAGE</b>	<b>230 V</b>
<b>SOCKET WITH PROTECTIVE COVER</b>	<b>1*16A/230V</b>
<b>CONNECTION TERMINALS</b>	<b>230V</b>
<b>CABLE LENGTH</b>	<b>2*180 cm</b>
<b>CABLE</b>	<b>AWG 2.08 mm<sup>2</sup></b>

Suitable for all models of PROFI series inverter generators



# TRANSPORTATION KIT



## S 6-9D KIT

Suitable for all modifications of diesel generators: **KS 6000, KS 8000, KS 9000.**  
Wheels - 4 pcs.



## KS 3 KIT

Suitable for all models of gasoline generators: **KS 3000.**

Mounting kit - 1 pcs.      Support legs - 2 pcs.  
Wheels - 2 pcs.              Handles - 2 pcs.



## KS 7 KIT

Suitable for all models of gasoline generators:  
**KS 7000, KS 10000** (Steel frame Ø28 cm)

Mounting kit - 1 pcs.      Support legs - 2 pcs.  
Wheels - 2 pcs.              Handles - 2 pcs.



## KS 10 KIT

Suitable for all models of gasoline generators: **KS 10000**  
(Steel frame Ø32 cm)

Mounting kit - 1 pcs.      Support legs - 2 pcs.  
Wheels - 2 pcs.              Handles - 2 pcs.

Handling trolley

## KS TR100

Special KS TR100 handling trolley for transportation purposes **KS 3300i S, KS 3300iEG S-Profi.**  
Height - 100 cm



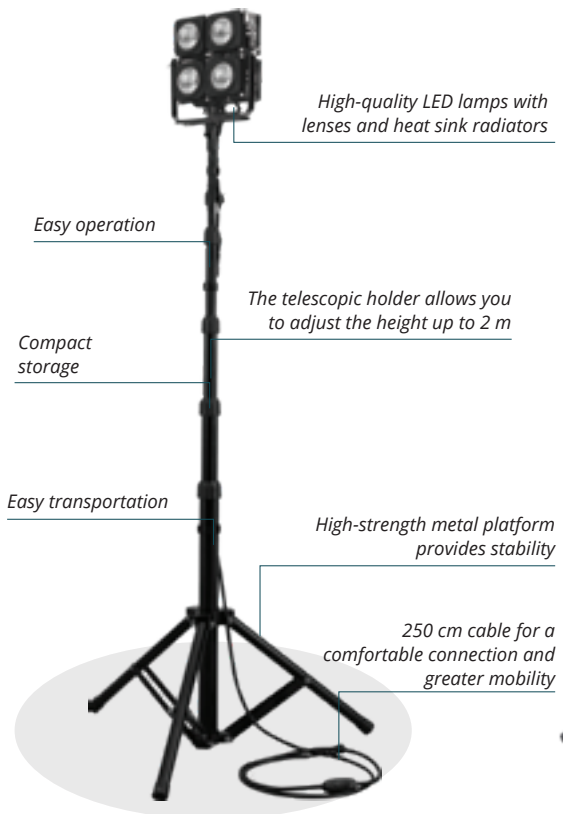
# LIGHTING MASTS

Light masts can work from the portable generator «Könner & Söhnen» TM, and from the electrical network. The lighting mast is easy to move by hand and it is suitable for indoor and outdoor use. It is an ideal solution for lighting in places where there is no central lighting or lack of it during work in the evening and at night.

The lighting mast consists of 3 parts:

- 1) Searchlights for 1, 2 or 4 lamps are equipped with heat sink radiators and a cable 285 cm long;
- 2) A metal telescopic rod with the ability to adjust the height from 0.65 m to 2 m;
- 3) Metal ground platform.

Lighting masts "Könner & Söhnen" TM assemble in a matter of minutes, easy to install, easy to transport and store.



The compact mobile lighting masts of Könner & Söhnen TM will be indispensable:

- In emergency and repair works ✓
- At construction sites ✓
- For mass events ✓
- In sports and training areas ✓
- In places of rock mining, quarries ✓
- First aid ✓



KS LT 50W



KS LT 100W



KS LT 200W

	1	2	4
Number of lamps	1	2	4
Type	LED with lens	LED with lens	LED with lens
Power	50	100	200
Working voltage	230	230	230
Cable length	250	250	250
Net / gross weight	0.95 / 1.05	1.4 / 1.55	2.75 / 2.95
Material	aluminum, steel	aluminum, steel	aluminum, steel
Protection class	IP23	IP23	IP23

## Telescopic holder

### KS LT-TH

HEIGHT	2 m
FOLDED LENGTH	65 cm
MATERIAL	steel
NET / GROSS WEIGHT	1.25/1.5 kg

## Platform

### KS LT-GP

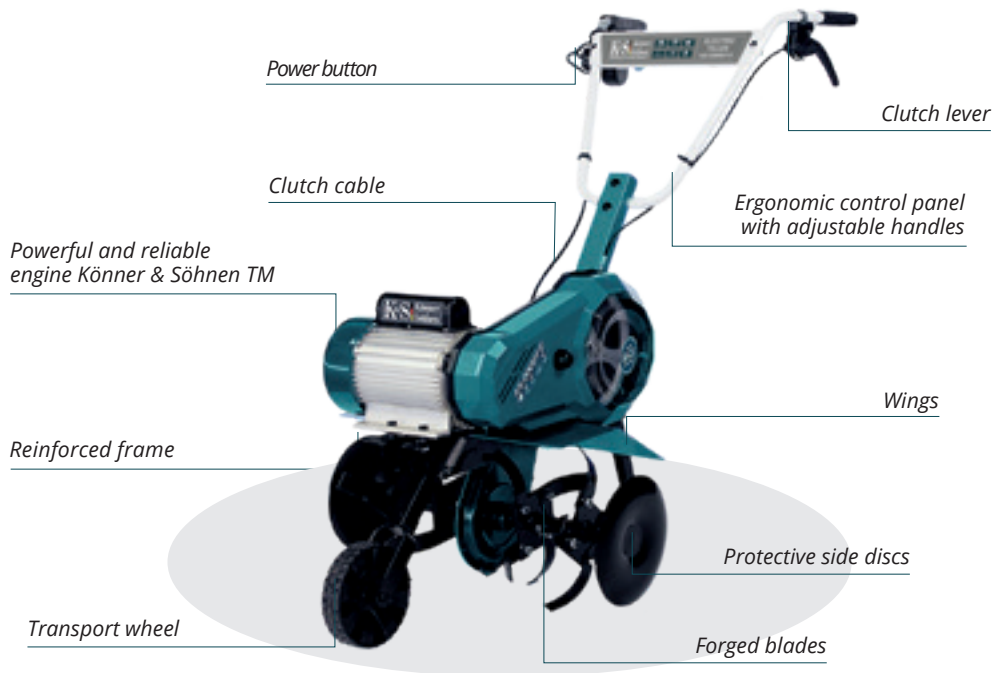
HEIGHT	35 cm
FOLDED LENGTH	55 cm
MATERIAL	steel
NET / GROSS WEIGHT	2.2/2.5 kg








# ELECTRIC TILLERS

## THE ECO-SERIES

Könner & Söhne electric cultivators are excellent helpers and designed for tilling the soil near the house or in the garden. 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.



-  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
-  A wheel for easy transportation (for models KS 1500T E, KS 2000T E)
-  Optimal ratio of power to weight



**KÖNNER & SÖHNEN ENGINE**

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



**DURABLE CUTTERS**

High metal strength extends the cultivator's service life and allows processing even hard soil.



**EASY OPERATION**

The cultivator requires no fuel consumption and is incredibly easy to operate. The starting lever is protected against accidental start and located on the cultivator's ergonomic handle.



**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 (for models KS 1500T E, KS 2000T E).



**ENVIRONMENTALLY-FRIENDLY ENGINE.**



**EASY OPERATION**



**REDUCED NOISE LEVEL**






**TILLING WIDTH ≤ 36-55 cm**



**KS 1000T E**

**KS 1500T E**

**KS 2000T E**

	<b>KS ECO 1000</b>	<b>KS ECO 1500</b>	<b>KS ECO 2000</b>
Engine model	KS ECO 1000	KS ECO 1500	KS ECO 2000
Engine power, W	1000	1200	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 /LWA, dB	68/93	68/93	60/85
Net dimensions, mm	380*275*530	480*320*545	660*410*510
Net weight, kg	8	12	29.8
Gross weight, kg	10	14,5	33.4
QR code			



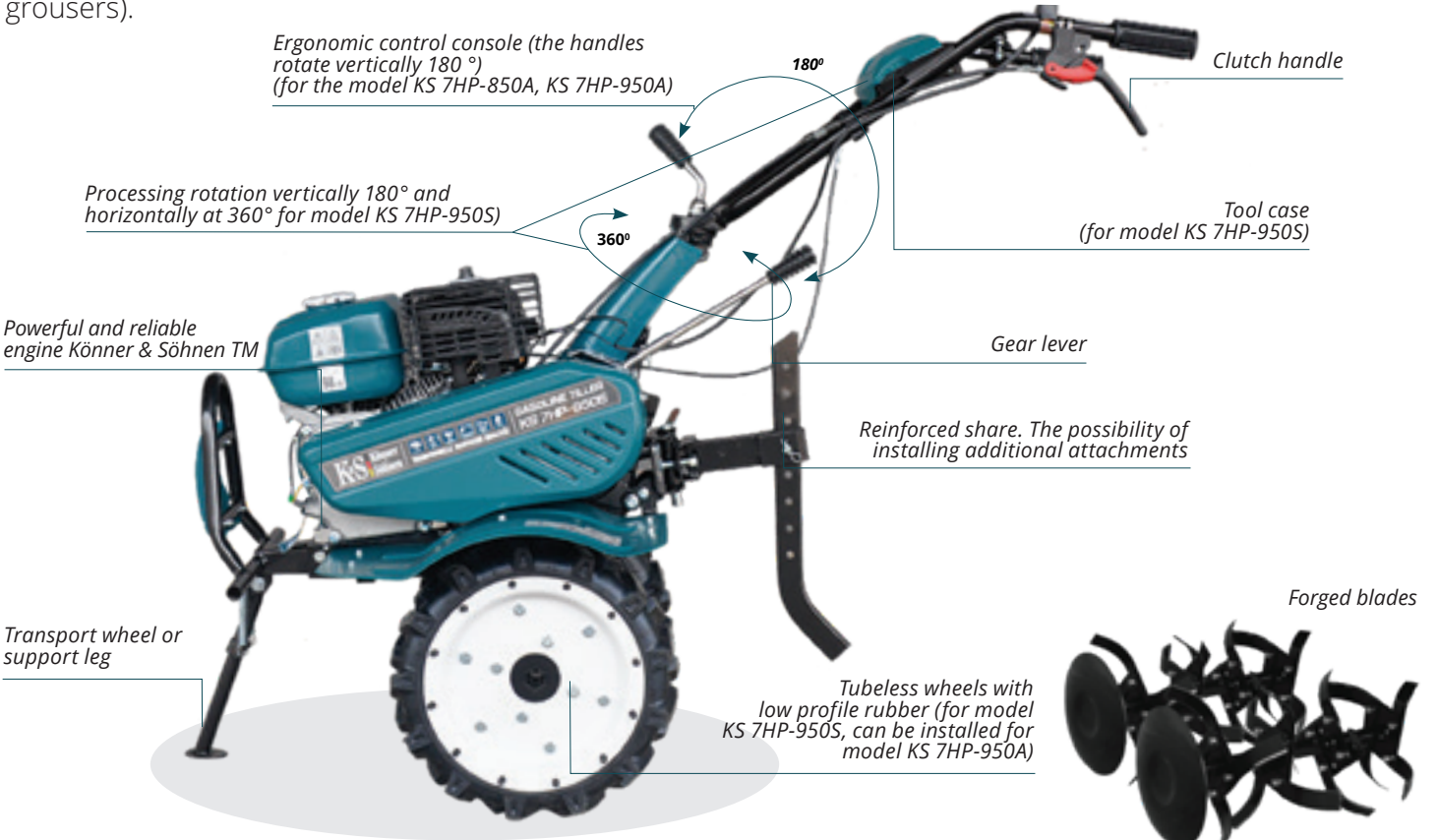
**100%  
QUALITY  
CONTROL**

TILLERS

# GASOLINE TILLERS

## WITH BELT DRIVE

Könner & Söhnen belt-driven gasoline cultivators with a capacity 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 uses advanced technology and has compact dimensions. High-performance and fuel-efficient four-stroke cultivator engines from Könner & Söhnen comply with the latest EURO V emission standards, are designed for continuous operation and provide high performance. Compact cultivator models KS 4HP-45, KS 5HP-65, KS 7HP-850A are equipped with casters that provide enhanced maneuverability even on small land plots. Models KS 7HP-950A and KS 7HP-950S are suitable for accommodating extra attachments (hilling-up plow, subsoil plow, potato digger, metal wheels with grousers).



### POWERFUL ENGINES

High-performance and robust K&S engines meet all European quality standards, including the latest EURO V emission standards. 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 adjustable handles for convenient use 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 45 to 105 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. These models are equipped with an additional protective grille to prevent burns. Model KS 7HP-950S is equipped with low-profile tubeless rubber wheels.



**TILLING WIDTH**  
≤ 45–105 cm



**GEAR:**  
BELT DRIVE,  
WORM DRIVE








KS 4HP-45

KS 5HP-65

KS 7HP-850A

KS 7HP-950A

KS 7HP-950S

Engine model	KS 150	KS 170	KS 240	KS 240	KS 240
Engine power, HP	4.0	5.0	7.0	7.0	7.0
Engine volume, cm <sup>3</sup>	130	150	212	212	212
Engine type	gasoline	gasoline	gasoline	gasoline	gasoline
Tilling width, cm	≤ 45	≤ 65	≤ 77	≤ 105	≤ 105
Max. tilling depth, cm	≤ 26	≤ 26	≤ 31	≤ 31	≤ 31
Fuel tank volume, l	1.0	0.8	3.6	3.6	3.6
Gear	Belt drive, worm drive	Belt drive, worm drive	Belt drive, worm drive	Belt drive, worm drive	Belt drive, worm drive
Drive type	+1 0	+1 0	+1 0	+2 +1 0 -1	+2 +1 0 -1
Reverse gear	-	-	-	+	+
Adjustable handles	vertically	vertically	-	vertically	vertically, horizontally
Wheels	+	+	+	Tubeless wheels with low profile rubber or pneumatic wheels	Tubeless wheels with low profile rubber or pneumatic wheels
Noise level L <sub>PA</sub> (7 m)/L <sub>WA</sub> , dB	66/91	66/91	73/98	73/98	73/98
Net dimensions, mm	530*490*560	530*490*590	600*375*750	845*460*660	780*460*780
Net weight, kg	31	33	52	62	80
Gross weight, kg	33.5	35.5	56	71	89
QR code					



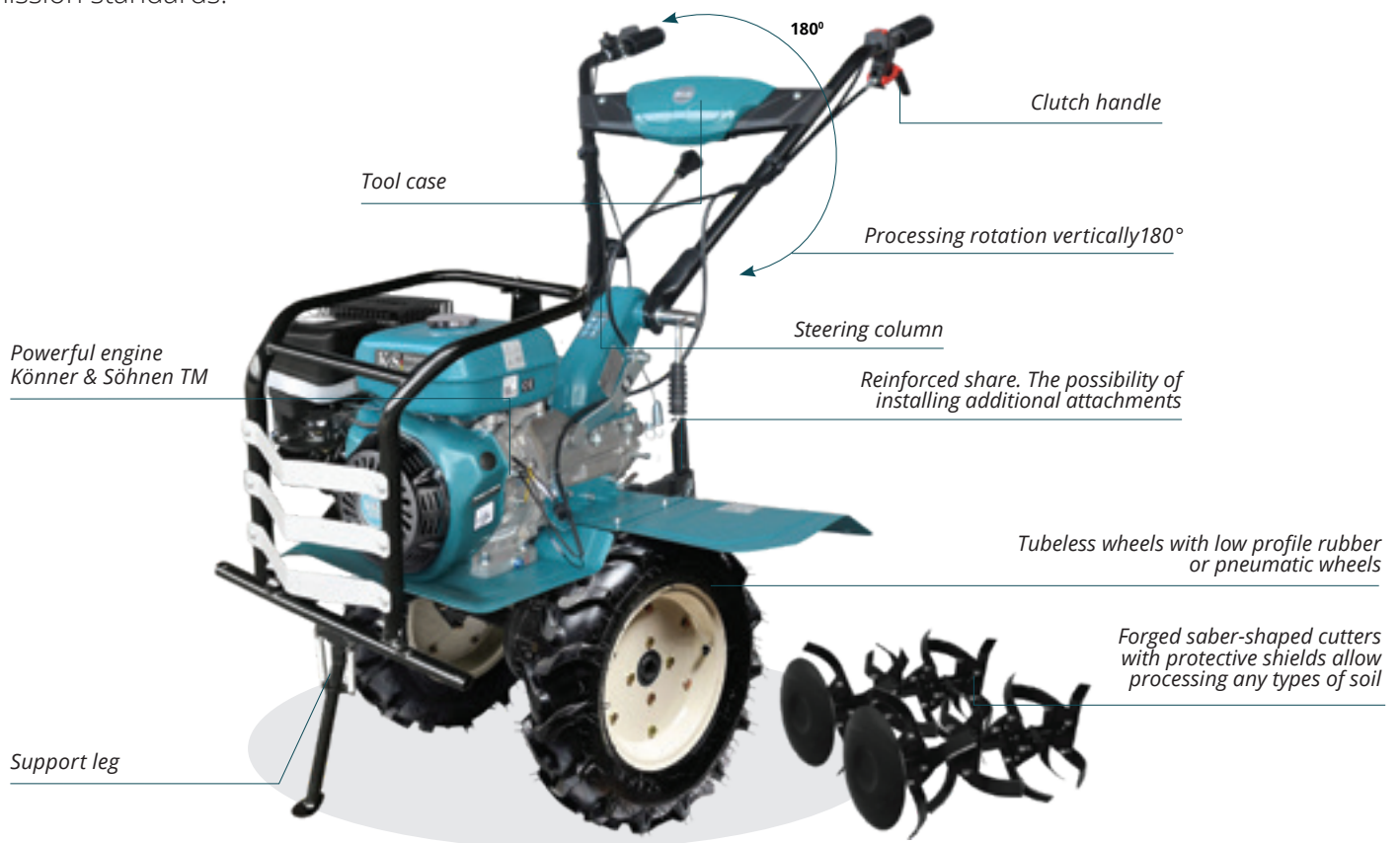
TILLERS



# GASOLINE TILLERS

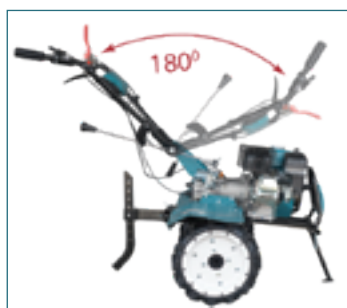
## WITH GEARBOXES

Könner & Söhne continues to improve heavy-duty cultivator models KS 7HP-1050G and KS 9HP-1350G-3 with gearboxes that can substitute more expensive diesel cultivators or even a one-axle mini-tractor. The existing range includes a model with a larger 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 the transport of goods. This model range has a tilling width of up to 125 cm! The gearbox with gear drive makes the cultivators more reliable, durable and ready for heavy loads. High-performance Könner & Söhne engines allow you to cope with tasks of any complexity and meet all European quality standards, including the latest EURO V emission standards.



**HIGH-PERFORMANCE ENGINES**

Proprietary high-performance engines from Könner & Söhne have 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. Vertically adjustable handles allow adjusting the cultivator for any user. 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" cm.



**ACCESSORIES**

Belt-driven cultivator models from Könner & Söhne, 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.



**GEAR:**  
BEVEL GEAR DRIVE





**TILLING WIDTH**  
≤ 103–125 cm



KS 7HP-1050G



KS 9HP-1350G-3

Engine model	KS 240	KS 290
Engine power, HP	7.0	9.0
Engine volume, cm <sup>3</sup>	212	269
Engine type	gasoline	gasoline
Tilling width, cm	≤ 103	≤ 125
Max. tilling depth, cm	≤ 35	≤ 35
Fuel tank volume, l	3.6	6.0
Gear	Bevel gear drive	Bevel gear drive
Drive type	direct drive with gearbox	direct drive with gearbox
Number of gears	+2 +1 0 -1	+3 +2 +1 0 -1
Reverse gear	+	+
Adjustable handles	Vertically	Vertically
Wheels	blades 2x4x4/32 pcs., low-profile tubeless wheels 4.00-10"	blades 2x5x4/40 pcs., pneumatic wheels 5.00-12"
Noise level L <sub>PA</sub> (7 m)/L <sub>WA</sub> , dB	73/98	73/98
Net dimensions, mm	880*460*660	910*570*750
Net weight, kg	83	94
Gross weight, kg	92	105
Code QR		



# ATTACHMENTS

Belt-driven cultivator models KS 7HP-950A and KS 7HP-950S from Könner & 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



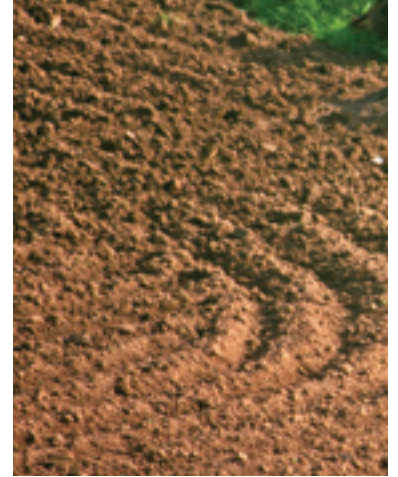
**KS PP4**



Sided plough



**KS SP2**



Adjustable ditcher



**KS AD3**



Simple ditcher



**KS SD1**



Weeding plough



**KS DP1**



Ajustable plough



**KS AP1**



Weeding plough



**KS WP1**

Weeding plough **KS WP1** for "Könner & Söhnen" gasoline cultivators.





*Metal grouser*

**KS MG40**

<b>DIAMETER</b>	<b>40 cm</b>
<b>WIDTH</b>	<b>10 cm</b>
<b>WELDED AXIS</b>	<b>No</b>



*Protective side discs*

**KS MD6**

<b>DIAMETER</b>	<b>23 cm</b>
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*Metal wheels*

**KS MW35**

<b>DIAMETER</b>	<b>27.5 cm</b>
<b>WIDTH</b>	<b>15 cm</b>
<b>WELDED AXIS</b>	<b>No</b>



*Metal wheels*

**KS MW45**

<b>DIAMETER</b>	<b>42 cm</b>
<b>WIDTH</b>	<b>19.5 cm</b>
<b>WELDED AXIS</b>	<b>No</b>



*Tubeless wheels with low profile rubber or pneumatic wheels*



**KS RW40**

<b>DIAMETER</b>	<b>4.00 - 8"</b>
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**KS RW50**

<b>DIAMETER</b>	<b>5.00 - 12"</b>
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# MULTIFUNCTION MACHINE

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, cultivating land, cutting grass, making hay, mowing crops or wild plants, shaping ground and much more. 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.

The multifunction machine from Könner & Söhne is:

- ✔ Irreplaceable assistant at any time of the year
- ✔ Economical operation and maintenance
- ✔ Storage space saver
- ✔ Time saver - there is no need to assemble and disassemble
- ✔ Various units, just replace the attachment

Multifunction machine  
**KS 7HP-MFM**

<b>DRIVE</b>	<b>direct</b>
<b>ENGINE MODEL</b>	<b>KS 220</b>
<b>ENGINE TYPE</b>	<b>Gasoline</b>
<b>ENGINE POWER</b>	<b>6.5 HP</b>
<b>ENGINE VOLUME</b>	<b>196 cm<sup>3</sup></b>
<b>HANDLE ADJUSTABILITY</b>	<b>horizontally/vertically</b>
<b>FUEL TANK VOLUME</b>	<b>3.6 l</b>
<b>FUEL CONSUMPTION</b>	<b>1.9 l</b>
<b>GEARBOX</b>	<b>+2 +1 0 -1 -2</b>
<b>NET DIMENSIONS, (LxWxH)</b>	<b>870x460x825 mm</b>
<b>NET WEIGHT/GROSS WEIGHT</b>	<b>57 kg/64 kg</b>

NUMBER OF GEARS

**+2 forward**  
**-2 reverse**

Enables to choose the optimal speed for each operation



SWEAPER WITH DUST BOX



SNOW BLOWER



CULTIVATOR



GRASS CUTTER



SWEAPER



SNOW PUSHER



PLOW AND METAL WHEELS

# ALL-WEATHER MULTIFUNCTION MACHINE INTENDED FOR AGRICULTURE

This high-performance multifunction machine from Könnert & Söhnen is equipped with a robust 6.5 HP K&S gasoline engine that meets the latest EURO V emission standard. The machine has an increased number of gears and power take-off, which allows you to choose the desired speed, angle of steering and tilt for each specific attachment, thus significantly improving the efficiency of the work.



## 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 coned spaces

## ANTICORROSION COATING

Special electrostatic painting protects your machine from corrosion and ensures its long-term use at any time of the year

## HIGH PERFORMANCE

Conventional transmission with power take-off provides high performance of this model and the best performance when using the machine with a wide range of attachments, as well as a soft and smooth start-up of the machine

## HIGH-PERFORMANCE K&S ENGINE

A direct drive transmission has greater power and performance than a belt drive transmission. The number of gears enables to choose the optimal speed for each operation. The worm gear drive produces less vibration and noise during operation of the machine

## EASY MANUAL START

Simple and convenient way to start a multifunction machine

## REDUCED FUEL CONSUMPTION

Reduced fuel consumption and a capacious fuel tank make it possible to cover a large area without interruptions for refueling

## QUICK CHANGE OF ATTACHMENTS

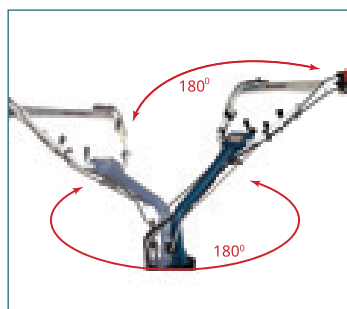
Replacement of attachments requires no special skills and sophisticated tools

100%  
QUALITY  
CONTROL



HIGH-PERFORMANCE K&S  
ENGINE

Reliable proprietary 6.5 HP K&S engine is specially designed for all-weather use and meets the latest EURO V emission standards.



ERGONOMIC  
CONTROL PANEL

180°, degrees vertically and horizontally adjustable handles allow configuring the machine for any user as well as save storage space.



ALL-SEASON  
HIGH-TREAD TIRES

High-quality pneumatic wheels with all-season high-tread tires provide excellent ground and snow passability.



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 coned spaces.

# ATTACHMENTS

FOR ALL- WEATHER MULTIFUNCTION MACHINE



## Sweeper with dust box



**KS 7HP-MFM-SW**



**KS 7HP-MFM-SW-DB**

The sweeper attachment for the Könner & Söhne multifunction machine is a universal active attachment with a rotational speed of 400 rpm and special bristles for use at any time of the year. The sweeper is equipped with a container for collecting garbage and dust. It will quickly and effectively cope with dust, dirt, fallen leaves, snow drifts. It is an indispensable helper for maintaining perfect cleanliness in the yard, household plots, other surrounding areas.

<b>BRUSH DIAMETER</b>	<b>320 mm</b>
<b>PROCESSING WIDTH</b>	<b>900 mm</b>
<b>ADJUSTABLE ANGLE OF TURNING</b>	<b>± 25°</b>
<b>BRUSH HEIGHT ADJUSTMENT</b>	<b>0-50 mm</b>
<b>WEIGHT KS 7HP-MFM-SW</b>	<b>38/42.4 kg</b>
<b>WEIGHT KS 7HP-MFM-DB</b>	<b>51/56 kg</b>

- ✓ Top-notch hard bristles
- ✓ Extra row of bristles for double dust protection
- ✓ High maneuverability thanks to 360-degree wheels
- ✓ Capacious trash container for dust and debris



## Snow blower



**KS 7HP-MFM-SB**

The active snow blower attachment with a powerful gear auger will quickly cope with large snow drifts and blockages, with any type of snow. The high-strength metal case of snow blower houses a rotatable screw shaft. The device performs its function due to the rotation of the shaft during operation of the device. Snow is thrown o up to 6 meters due to powerful shocks. The direction of throwing is 270 degrees adjustable thanks to a rotatable metal chute (tube).

<b>CHUTE ROTATION</b>	<b>270°</b>
<b>SNOW THROWING RANGE</b>	<b>6 m</b>
<b>MAXIMUM PROCESSING WIDTH</b>	<b>560 mm</b>
<b>MAXIMUM THICKNESS OF PROCESSING LAYER</b>	<b>510 mm</b>
<b>WEIGHT</b>	<b>35,2 kg</b>

- ✓ Sharp serrated edges can even cope with stale snow
- ✓ Reinforced bucket with stiffeners
- ✓ Robust gearbox with gear transmission
- ✓ Spade for cleaning a chute and screw from snow as a set
- ✓ Adjustable pads allow snow removal even on rubble or gravel paths without grabbing stones into the bucket



## Cultivator



**KS 7HP-MFM-TI**

The cultivator attachment for the Könner & Söhne multifunction machine enables to quickly and easily loosen the soil, process the virgin soil, as well as eliminate weeds and ensure moisture conservation. Forged saber-shaped cutters and adjustable tilling depth allow processing any type of soil, both virgin and well-managed soil, to the desired depth. Adjustable processing width makes this attachment versatile.

<b>CUTTER DIAMETER</b>	<b>310 mm</b>
<b>PLOWING DEPTH</b>	<b>200 mm</b>
<b>PLOWING WIDTH</b>	<b>420-560 mm</b>
<b>NUMBER OF CUTTERS</b>	<b>6*4 cutters</b>
<b>ROTATIONAL SPEED</b>	<b>320 rpm</b>
<b>WEIGHT</b>	<b>28,1 kg</b>

- ✓ Forged saber-shaped hardened steel cutters for the hardest soil
- ✓ Robust protective housing and adjustable side panels hold the soil, ejected in the processing area
- ✓ Steel serrated back plate levels out the processed soil
- ✓ High rotational speed of cutters up to 320 rpm



## Grass cutter



### KS 7HP-MFM-GC

The grass cutter attachment for the Könnér & Söhnen multifunction machine is the best assistant in processing overgrown areas, cutting grass, making hay for livestock feed, mowing crops. This grass cutter even copes with cutting young trees with a trunk thickness of up to 2.5 m. It can be used in areas with the most challenging and rugged terrain. Cutting elements evenly cut grass even in the densest, most overgrown and hard-to-reach places. Grass cutter knives are made of wear-resistant steel, grass cutter have sharp teeth to avoid sliding along grass stalks, allowing to cut grass almost at the root.

PROCESSING WIDTH	≤ 970 mm
ADJUSTABLE PROCESSING HEIGHT	20-60 mm
RECIPROCAL SPEED	920 cm/m
WEIGHT	30 kg

- ✔ Principle of operation of the device is based on the reciprocating action of two cutting blades, one of which is fixed, and the other is movable
- ✔ Strong sawtooth knives have a special design that eliminates the possibility of sliding along the stems of plants
- ✔ Sharpened blades of wear-resistant alloy require no additional preparation for work
- ✔ Possibility of cutting at a minimum height - almost at the root
- ✔ Especially high-quality cutting of even thick trunks up to 2.5 cm



## Snow pusher

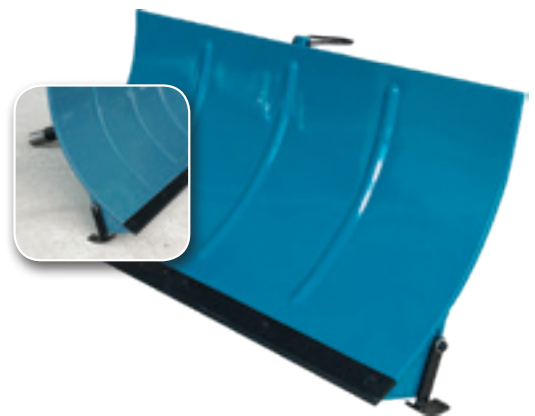


### KS 7HP-MFM-SP

The snow pusher attachment for the Könnér & Söhnen multifunction machine is designed not only for removal of snow, sand and other bulk materials, but also for cutting and leveling the soil. This small bulldozer like attachment will easily and quickly cope with cleaning in the yard, in the parking lot and in other areas with hard surface. The edge of the iron auger with a special protective pad serves to capture the snow mass and remove it from the track without damaging the track surface.

PROCESSING WIDTH	≤ 850 mm
HEIGHT ADJUSTMENT	0-50 mm
ADJUSTABLE ANGLE OF TURNING	± 25°
MINIMUM OPERATING SPEED	1,5 km/h
MAXIMUM OPERATING SPEED	3,7 km/h
WEIGHT	22,5 kg

- ✔ Reinforced metalwork with stiffeners has three additional powerful sides throughout the length of the shovel
- ✔ Sliding legs allow adjusting the gap between the shovel and the surface to be cleaned
- ✔ Auger edge features a thick plastic knife
- ✔ Turning mechanism for adjusting the angle of turning up to 25° in each direction



## Plow and metal wheels



### KS 7HP-MFM-PMW

Attachments for the Könnér & Söhnen multifunction machine such as a plow and metal wheels greatly facilitate the processing of large areas. The plow will help to plow the land, or make furrows for further planting. Grousers provide optimal ground grip and increase traction. Land cultivation quality increases significantly, thereby increasing the productivity of the crop.

PLOWING DEPTH	300 mm
DIAMETER OF METAL WHEELS	420 mm
MAXIMUM DISTANCE BETWEEN WHEELS	700 mm
MINIMUM DISTANCE BETWEEN WHEELS	370 mm
WEIGHT	22,5 kg





# WATER PUMPS

Motor pumps from Könner & Söhnen 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 can be used to pump easily 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. They are not intended for pumping water with abrasive particles such as sand, gravel, pebbles, etc. Abrasive particles can damage the motor pump.

Capacious fuel tank

Enlarged air-filter

Steel frame Ø 32 mm

Wide suction orifice

Powerful and economic engine Könner & Söhnen TM



Water filter



A set for hose connection

Strong housing



## RELIABLE BRANDED ENGINES KÖNNER & SÖHNEN TM

The engines used in the pumps „Könner & Söhnen“ are manufactured under the strict control of german engineers.



## INDIVIDUAL SERIAL NUMBER ON ENGINES

The robust Könner & Söhnen engine meets all European quality standards, including the latest EURO V emission standards. The proprietary robust K&S engine has its own individual serial number, which allows us to control the quality of production and service.



## EQUIPMENT

Könner & Söhnen motor pumps are equipped with an enlarged steel fuel tank, which extends the operating time without additional refueling. The surface is made of high-strength aluminum using integrated cast technology, which is invulnerable to corrosion, temperature influence and deformations.



## DAMPERS TO LOWER VIBRATION

All models of the Könner & 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.



**FOR CLEAN/DIRTY WATER**



**MAX. LIFTING HEIGHT 25 -70 M**



KS 50







KS 80



KS 80TW



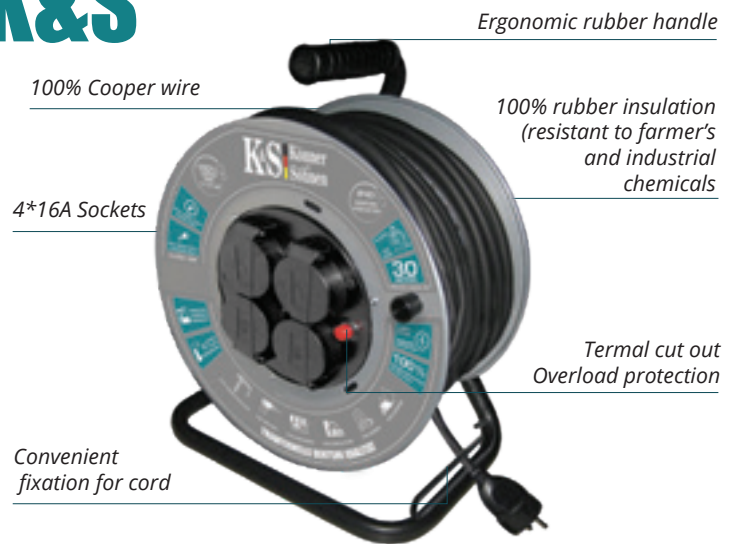
KS 50HP

Max. productivity, l/min	500	1000	950	500
Nominal flowrate, prn	3600	3600	3600	3600
Max. lifting height, m	27	30	25	70
Max. suction depth, m	8	8	8	8
Engine model	KS 190	KS 230	KS 230	KS 230
Engine type	gasoline 4-stroke			
Engine power, HP	5.5	7.0	7.0	7.0
Engine volume, cm <sup>3</sup>	163	208	208	208
Engine start	manual			
Fuel tank volume, l	3.6	3.6	3.6	3.6
Noise level Lpa/Lwa, dB	74/99	74/99	74/99	74/99
Net dimensions (W*L*H), mm	500*385*435	530*425*430	570*460*465	530*425*430
Net weight, kg	25	29	32	28
QR code				



## EXTENSION CORDS K&S

The assortment of Könner & Söhnen extension cords is selected taking into different needs for connecting devices in places remote from stationary outlets. Extension cords on coils with a cable length of 30-50 meters for remote connection of up to 4 electrical appliances simultaneously to a 230V network. They have a cable cross section of 1.5 mm, which allows you to connect a load with a total power of up to 3 kW. Extension cords TM «Könner & Söhnen» have a protection class IP44, which makes it possible to use outdoors, as well as in high humidity, thanks to the protection against the ingress of accidental drops of water and from the penetration of solid particles.



FOR CONSTRUCTION



FOR REPAIRS



FOR BUSINESS



FOR GARDEN



FOR AGRICULTURE



FOR CAMPING



KS CR-15M



KS CR-25M



KS CRM-30M

Total power (wound cable), W	1000	1200	1200
total power (unwound cable), W	3000	3600	3600
Plug	1*16A/230V	1*16A/230V	1*16A/230V
Sockets with protective cap	4*16A/230V	4*16A/230V	4*16A/230V
Cable length, m	15	25	30
Cable (100% cooper)	3*1.5 mm <sup>2</sup>	3*2.5 mm <sup>2</sup>	3*2.5 mm <sup>2</sup>
Material of extension board reel	Plastic	Plastic	Metal
Protection class	IP44	IP44	IP44

## EXTENSION CABLE

### SOCKET ADAPTER 32A→16A



KS EXB1M-1S  
1 socket



KS EXB1.5M-3S  
3 socket



KS EXB3M-4S  
4 socket

Power for 1 socket, W	3600	3600	3600
Total power, W	3600	6500	6500
Plug	1*32A/230V	1*32A/230V	1*32A/230V
Sockets with protective cap	1*16A/230V	3*16A/230V	4*16A/230V
Rubber cable length, m	1.0	1.5	3.0
Cable	3*1.5 mm <sup>2</sup>	3*2.5 mm <sup>2</sup>	3*2.5 mm <sup>2</sup>
Protection class	IP44	IP44	IP44

# ACCESSORIES K&S

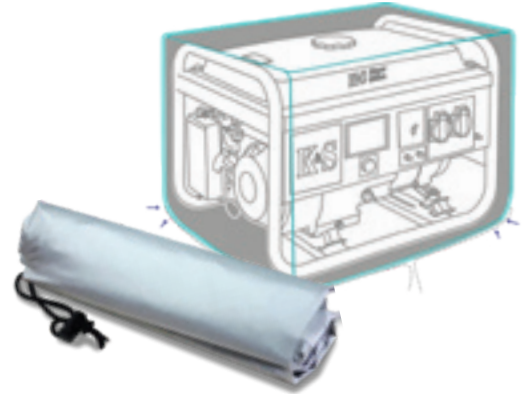
In the new season, we are introducing to product assortment a full range of accessories. All items are useful and sometimes even indispensable for our products. We also added a range of branded clothing. All presented items can be used both for sales and for promotional activities, customer motivation,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

QR **Cover**  
**KS Cover 10**

**DIMENSIONS**

**60x49x47 cm**

For all modifications of gasoline generators series **KS 3000-Serie**.  
For all modifications of inverter generators series **KS 2000, KS 3000-Serie**.



QR **Cover**  
**KS Cover 20**

**DIMENSIONS**

**74x65x55 cm**

For all modifications of gasoline generators series **KS 7000, KS 10000 -Serie**.  
For all modifications of diesel generators series **KS 6000, KS 8000, KS 9000 -Serie**.  
For all modifications of inverter generators series **KS 4000 -Serie**.

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

Universal motor oil



**ULTRA**  
PERFORMANCE

**VOLUMEN - 1l**



High-quality semisynthetic all-season engine oil from Könnert & Söhnen for gasoline and diesel engines.  
Product quality class: **API SL/CF** Class of viscosity: **10W-30, 10W-40**  
Contains top-quality additives from the world-famous **Infineum Corporation (Great Britain)**

**Könnert & Söhnen 10W-30**

**Könnert & Söhnen 10W-40**

Transmission oil

**KS Transmission Oil**

Transmission oil with viscosity **SAE 75W-90, SAE 80W-90 or SAE 85W-90**

The motor oil and transmission oil of the "Könnert & Söhnen" 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.

QR **Automatic battery charger**  
**KS B1A**

**OPERATION MODE**

**6V/12V-1A**

The charger is protected against overheating, short circuit, reverse polarity, and overcharge.



QR **Fuel can**  
**KS CAN 5**

**DIMENSIONS**

**26x12.8x25.5 cm**

Special anti-static plastic  
Capacity - 5 l

QR **Fuel can**  
**KS CAN 10**

**DIMENSIONS**

**33x16.5x30 cm**

Special anti-static plastic  
Capacity - 10 l

# K&S ACCESSORIES



Protective kit

**KS PRS-1**

Polycarbonate glasses - 1 pc  
Earplugs - 1 pair



Gloves

**KS Gloves L**

- 100% leather  
- Reliable protection against  
mechanical damage



Cap

**Kappe KS**

Color - gray



**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)



\* The actual appearance of some items may differ slightly from that shown in illustrations. The catalog is not a quote within the meaning of the Civil Code.



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**K&S**  **Könner  
&  
Söhne**  
TRADITIONELLE DEUTSCHE QUALITÄT

