

# GENERATORS



GASOLINE



DIESEL



INVERTER



LPG

# K&S Könnner & Söhne

TRADITIONELLE DEUTSCHE QUALITÄT

TILLERS



PUMPS



SPLITTERS



MFM



# GARDEN EQUIPMENT

| 2021 |

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

Thank you for your interest in our products. We hope, that TM Könnner & Söhnen equipment will become your reliable assistant! Products, provided by TM Könnner & Söhnen, 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. TM Könnner & Söhnen 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.

**TM Könnner & Söhnen** – is winner of honorable European awards in nominations «High Quality», "Product of the Year", "Expert Choice", "Ease of Use", "Functionality". The latest award of TM Könnner & Söhnen 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. Könnner & Söhnen brand was created to satisfy this demand. Having a modernized line of our own engines, the owners of the Könnner & Söhnen trade mark eventually decided to expand the product range. So product line of Könnner & 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 our products meet European and international standards of quality, efficiency, environmental impact, including the latest Euro V emission standard. The line of engines used in TM Könnner & Söhnen 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 TM Könnner & Söhnen 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 TM Könnner & Söhnen generators and garden equipment covers the needs of any customer because the manufacturer pays special attention to a study of demand.

TM Könnner & Söhnen 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 customers 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;
- we implement and use state-of-the-art technologies such as EFI (electronic fuel injection), PVA (alternator that produces a cleaner sine wave), EURO V (the latest emission standard), etc.
- 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 "Könnner & Söhnen" TM are recognized by international experts and prestigious awards. In 2019, products of TM "Könnner & Söhnen" received the German Plus X Award in three categories - "High quality", "Functionality", and "Ease of use". Könnner & 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 TM Könnner & Söhnen, guarantees for all partners and customers full support of spare parts, maintenance service, technical information and marketing assistance. Products, produced by TM Könnner & Söhnen, 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 TM Könner & Söhne, which have already established themselves as reliable equipment at an affordable price and have become much-in-demand in many countries worldwide

Thanks to the introduction of cutting-edge technologies and innovative solutions, Könner & Söhne equipment meets the highest international quality standards, including the latest Euro V emission standard.

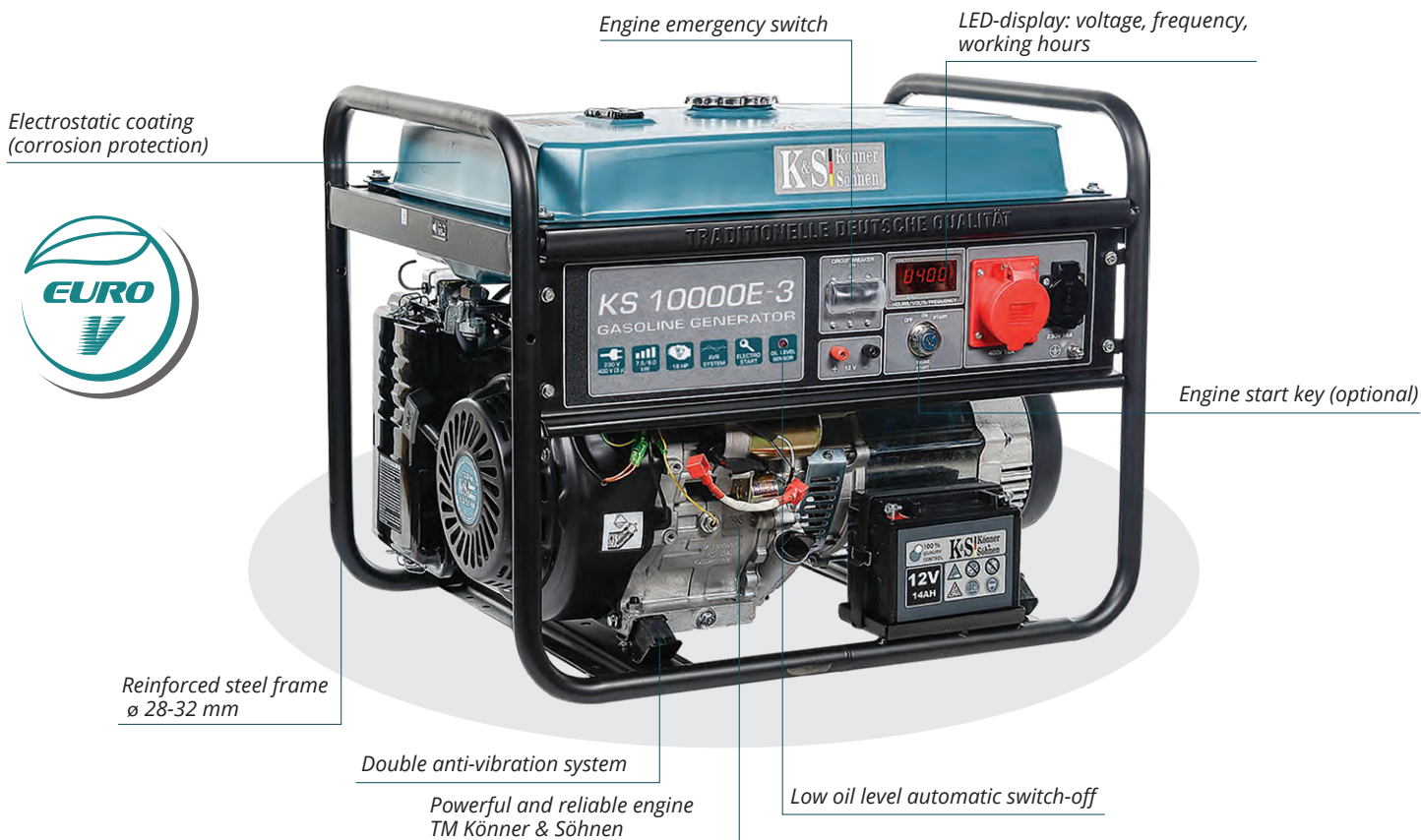
Our assortment features a wide model range of gasoline generators with unique functionality to maximize customer satisfaction. The motto of TM "Könner & Söhne" is TRADITIONAL GERMAN QUALITY, and we are proud to responsibly follow it.



# GASOLINE GENERATORS

Gasoline generators from TM Könnner & Söhnen 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

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



## ALTERNATOR WITH 100% COPPER WINDING

TM Könnner & Söhnen generators are equipped with a high-end synchronous alternator with 100% copper winding. It is only the copper winding that can withstand maximum loads without any damage to ensure long-term reliable operation of the generator set.



## 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

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





**GENERATORS**  
Könner & Söhne  
FOR EVERY NEED

TM Könner & Söhne 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 & Söhne 2,6 kW - 15,6 kVA gasoline generators can be used as a backup power source for both a small house and a large cottage.



FOR CAMPING

**Comfortable for camping**

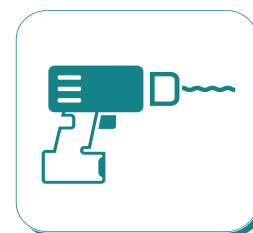
Könner & Söhne gasoline generators make outdoor activities more comfortable. When hiking, fishing, hunting, or camping, generators will allow you to use electrical devices in places where there is no power supply. They allow connection of the necessary electrical equipment and, if necessary, charging 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 & Söhne generators perfectly solve power supply problems. They are able to produce electricity and work where there is a need. TM Könner & Söhne 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
VOLTAGE	230 V
FREQUENCY	50 Hz
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



## KS 3000E

MAX POWER	3.0 kW
NOMINAL POWER	2.6 kW
VOLTAGE	230 V
FREQUENCY	50 Hz
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



## KS 7000

MAX POWER	5.5 kW
NOMINAL POWER	5.0 kW
VOLTAGE	230 V
FREQUENCY	50 Hz
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



## KS 7000E

MAX POWER	5.5 kW
NOMINAL POWER	5.0 kW
VOLTAGE	230 V
FREQUENCY	50 Hz
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





# COMPETITIVE STRENGTHS

## 11 REASONS WHY PEOPLE TRUST US

- ✓ Wide range of generators for every need
- ✓ European quality certificates including the latest standard of emission EURO V
- ✓ Pre-delivery inspection and after-sales support
- ✓ Production control at each stage
- ✓ International two-year warranty
- ✓ Availability of products in stock
- ✓ Own service centers
- ✓ Awards at regional and international competitions
- ✓ Shortest delivery time throughout the country
- ✓ Professional advice and service support in terms of model selection
- ✓ TM Könner & Söhnen 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>VOLTAGE</b>	<b>400 V</b>
<b>FREQUENCY</b>	<b>50 Hz</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>



### KS 10000E\*

<b>MAX POWER</b>	<b>8.0 kW</b>
<b>NOMINAL POWER</b>	<b>7.5 kW</b>
<b>VOLTAGE</b>	<b>230 V</b>
<b>FREQUENCY</b>	<b>50 Hz</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>



### KS 10000E-3

<b>MAX POWER</b>	<b>8.0 kW</b>
<b>NOMINAL POWER</b>	<b>7.5 kW</b>
<b>VOLTAGE</b>	<b>400 V</b>
<b>FREQUENCY</b>	<b>50 Hz</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>



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

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



## 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 (LxWxH), mm	580x430x440	580x430x440	680x545x550
Gross dimensions (LxWxH), 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) 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 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 (LxWxH), mm	680x545x550	680x545x550	680x545x550	680x545x550
Gross dimensions (LxWxH), 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				



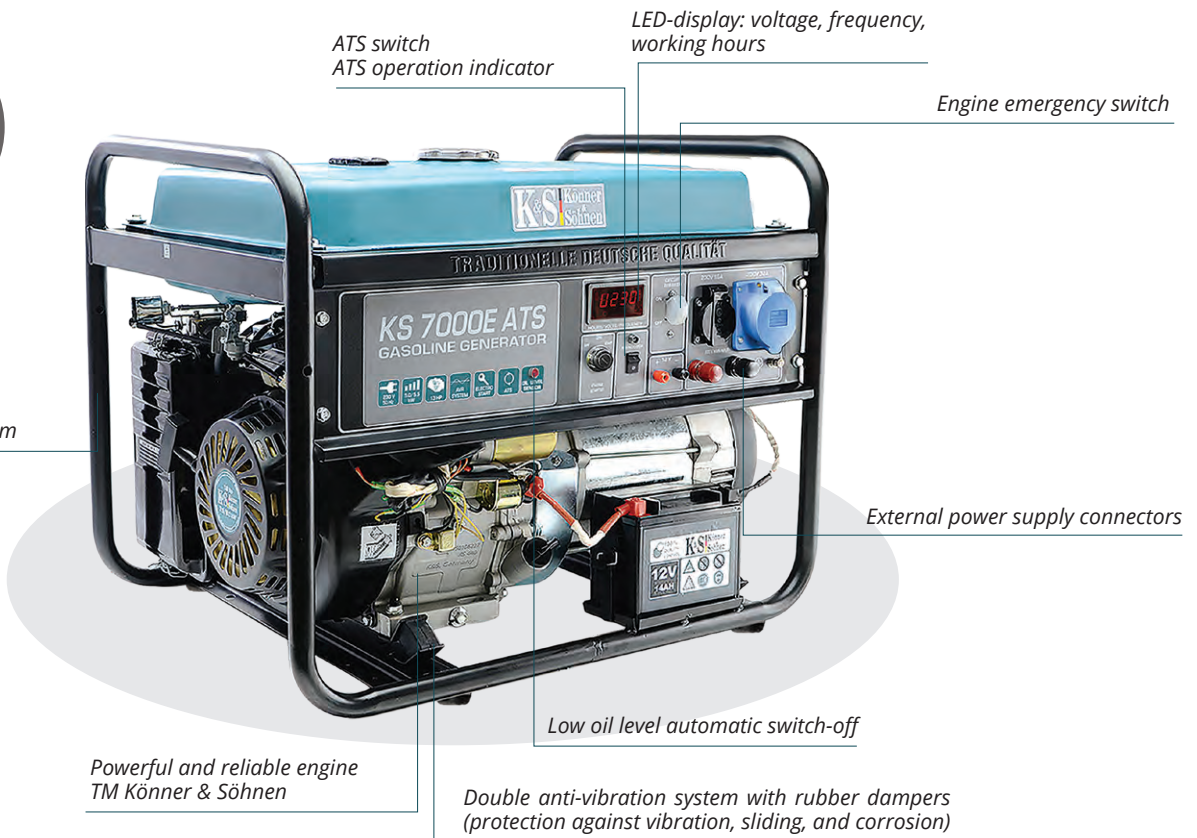
# GASOLINE GENERATORS WITH ATS SYSTEM

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



ATS switch  
ATS operation indicator

LED-display: voltage, frequency, working hours

Engine emergency switch

External power supply connectors

Low oil level automatic switch-off

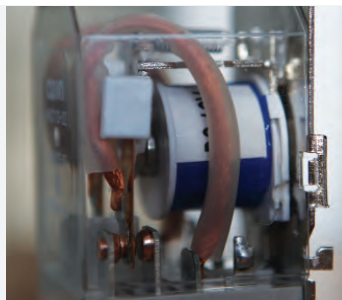
Powerful and reliable engine  
TM Könner & Söhne

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



### 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 BUILT-IN ATS SYSTEM



### KS 7000E ATS

MAX POWER	5.5 kW
NOMINAL POWER	5.0 kW
VOLTAGE/FREQUENCY	230V / 50Hz
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



### KS 7000E-3 ATS

MAX POWER	5.5 kW
NOMINAL POWER	5.0 kW
VOLTAGE/FREQUENCY	400V / 50Hz
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



### KS 10000E ATS\*

MAX POWER	8.0 kW
NOMINAL POWER	7.5 kW
VOLTAGE/FREQUENCY	230V / 50Hz
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



### KS 10000E-3 ATS

MAX POWER	8.0 kW
NOMINAL POWER	7.5 kW
VOLTAGE/FREQUENCY	400V / 50Hz
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



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

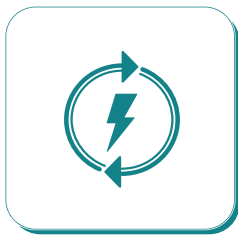
\*\* Generator can be connected to the solar charge controller.



## GASOLINE GENERATORS WITH BUILT-IN 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)
- ✔ Reduced noise level
- ✔ Automatic overload protection and short circuit protection
- ✔ 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 BUILT-IN ATS SYSTEM



**GENERATOR POWER**  
5.0–8.0 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 (LxWxH), mm	680x545x550	680x545x550	680x545x550	680x545x550
Gross dimensions (LxWxH), 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). It is no longer necessary to purchase two separate generators and maintain them: just switch the mode and use the TM Könner & Söhnen generator with the phase switching system at the required voltage.



LED-display: voltage, frequency, working hours

Engine emergency switches (overload protection) for each mode 230V / 400V

VTS phase switching system

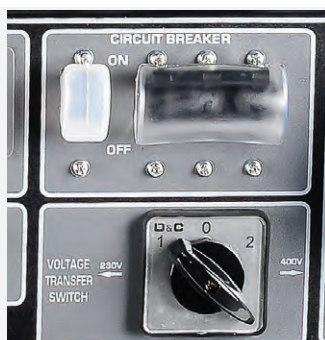
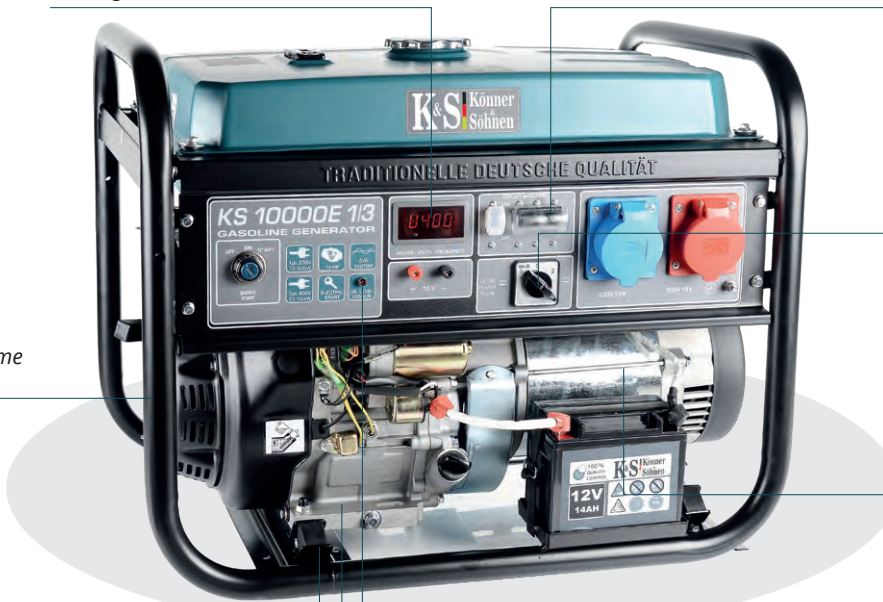
Reinforced steel frame ø 28-32 mm

Alternator with 100% copper winding

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

Low oil level automatic switch-off

Powerful and reliable engine TM Könner & Söhnen



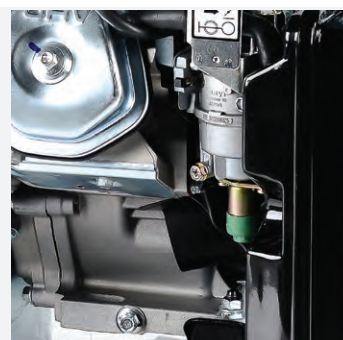
### VTS SYSTEM

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 with almost no loss of power. High workmanship and copper winding can withstand prolonged ultimate loads.



### HIGH-PERFORMANCE ENGINE

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



### EQUIPMENT

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

# GASOLINE GENERATORS WITH VTS PHASE SWITCHING SYSTEM (VOLTAGE TRANSFER SWITCH)

WITH EQUAL POWER FOR SINGLE- AND THREE-PHASE CONSUMERS



## KS 7000E-1/3

<b>MAX POWER/NOMINAL POWER, 230 V</b>	<b>5.5/5.0 kW</b>
<b>MAX POWER/NOMINAL POWER, 400 V</b>	<b>5.5/5.0 kW</b>
<b>VOLTAGE</b>	<b>230V / 400V</b>
<b>FREQUENCY</b>	<b>50 Hz</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(400V)/1x32A(230V)</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>81 kg</b>



## KS 10000E-1/3\*

<b>MAX POWER/NOMINAL POWER, 230 V</b>	<b>8.0/7.5 kW</b>
<b>MAX POWER/NOMINAL POWER, 400 V</b>	<b>8.0/7.5 kW</b>
<b>VOLTAGE</b>	<b>230V / 400V</b>
<b>FREQUENCY</b>	<b>50 Hz</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(400V)/1x32A(230V)</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>



- ✓ Unique innovative VTS (Voltage Transfer Switch) phase switching system
- ✓ High-performance gasoline engine from TM Könnér & Söhnen conform to latest standard of emission EURO V.
- ✓ Alternator specially designed for single- and three-phase operation with almost no loss of power
- ✓ Automatic overload and short circuit protection
- ✓ Automatic low oil level stop
- ✓ Low harmful emissions

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

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



## GASOLINE GENERATORS WITH VTS PHASE SWITCHING SYSTEM

Universal high-performance generators 2 in 1! There is no need to purchase two separate generators for single- and three-phase consumers since TM Könner & Söhnen 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**



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

**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 (LxWxH), mm	680x545x550		680x545x550	
Gross dimensions (LxWxH), 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 TM Könner & Söhnen are currently the most popular among customers due to their efficiency. The generator can run on both gasoline and liquefied gas (propane-butane).

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

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 TM KÖNNER & SÖHNEN GENERATORS IS THE ABILITY TO START AND OPERATE ONLY ON (LPG)**

*Additional reducer provides pressure reduction and eliminates the possibility of overloading the gas connection*



LPG supply hose included

Built-in reducer

LED-display: voltage, frequency, working hours

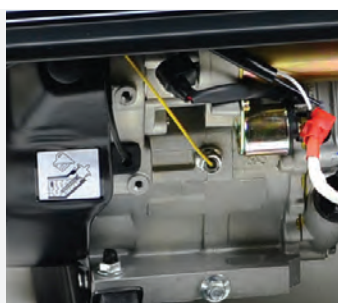
Low oil level automatic switch-off

Powerful and reliable engine TM Könner & Söhnen



## 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.



## 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.



## 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. You can use generator with both a portable gas cylinder and with a stationary capacity for gas storage (gasholder).

## 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>VOLTAGE</b>	<b>230 V</b>
<b>FREQUENCY</b>	<b>50 Hz</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>



### KS 7000E G

<b>MAX POWER</b>	<b>5.5 kW</b>
<b>NOMINAL POWER</b>	<b>5.0 kW</b>
<b>VOLTAGE</b>	<b>230 V</b>
<b>FREQUENCY</b>	<b>50 Hz</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>1.1 l</b>
<b>50% POWER WORKING TIME</b>	<b>17 h</b>
<b>NET WEIGHT</b>	<b>77.2 kg</b>



### KS 10000E G

<b>MAX POWER</b>	<b>8.0 kW</b>
<b>NOMINAL POWER</b>	<b>7.5 kW</b>
<b>VOLTAGE</b>	<b>230 V</b>
<b>FREQUENCY</b>	<b>50 Hz</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>15 h</b>
<b>NET WEIGHT</b>	<b>86.5 kg</b>

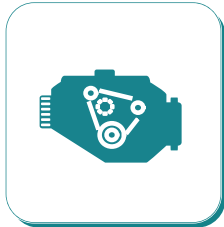




## LPG/GASOLINE GENERATORS DUAL FUEL SERIES

LPG/gasoline generators from TM Könner & Söhnen 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



**VOLTAGE 230 V**



**ENGINE POWER 7–18 HP**



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



You can use generator with both a portable gas cylinder and with a stationary capacity for gas storage (gasholder).



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 (LxWxH), mm	580x430x440	680x545x550	680x545x550
Gross dimensions (LxWxH), 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. Generators are based on robust single- and two-cylinder engines that meet the latest EURO V emission standard. Generators are also equipped with convenient, ergonomic control panel with emergency stop button and multi-function LED display to control generator operation - frequency, voltage, hours worked and low oil level. Each model is equipped with outlets to allow you to get maximum power delivered by the device. The capacious 55-liter fuel tank ensures long and continuous operation. Generators have a reinforced  $\varnothing 32$  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

Input for ATS  
(universal 8-pin input)

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



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

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

Transportation kit



## POWERFUL ENGINE

Powerful and reliable 1-, or 2-cylinder engines with air cooling (18.5 - 22 hp) comply with all international and European standards of quality, including latest emission standard EURO 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). Each model is equipped with outlets to allow you to get maximum power delivered by the device. The sockets are fitted with fuses.



## 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 8-pin connector. The ATS unit automatically starts the generator and transfers load to it when the main power supply is disconnected and automatically stops the generator when the central power supply is restored.

## GASOLINE SINGLE- CYLINDER GENERATORS WITH AIR COOLING



### KS 12-1E ATSR

MAX POWER	9.2 kW
NOMINAL POWER	9.0 kW
VOLTAGE/FREQUENCY	230V / 50Hz
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 cm <sup>3</sup>
NET WEIGHT	131 kg



### KS 12-1E 1/3 ATSR

MAX/NOMINAL POWER 230V	8.2/8.0 kW
MAX/NOMINAL POWER 400V	11.5/11.25 kVA
VOLTAGE/FREQUENCY	230V / 400V / 50Hz
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 cm <sup>3</sup>
NET WEIGHT	131 kg



## GASOLINE TWO-CYLINDER GENERATORS WITH AIR COOLING



### KS 15-1E ATSR

MAX POWER	12.5 kW
NOMINAL POWER	12.0 kW
VOLTAGE/FREQUENCY	230V / 50Hz
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 cm <sup>3</sup>
NET WEIGHT	157 kg



### KS 15-1E 1/3 ATSR

MAX/NOMINAL POWER 230V	11.5/11.0 kW
MAX/NOMINAL POWER 400V	15.6/15.0 kVA
VOLTAGE/FREQUENCY	230V / 400V / 50Hz
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 cm <sup>3</sup>
NET WEIGHT	157 kg



**VTS**

VTS (Voltage Transfer Switch) phase switching system allows using the generator both in three-phase mode (400V) and in single-phase mode (230V) with almost no loss of power.

**ATSR**

Ability to connect the ATS (Automatic Transfer Switch) system.



## 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, cos φ	1	1	0.8	1	1	0.8
Accumulator, Ah	21			36		
Ability to connect ATS (8-pin connector)	+	+		+	+	
Net dimensions (LxWxH), mm	790x705x680	790x705x680		797x705x805	797x705x805	
Gross dimensions (LxWxH), mm	800x715x780	800x715x780		807x715x905	807x715x905	
Net weight, kg	131	131		157	157	
Gross weight, kg	145	145		165	165	
Protection class	IP23M					
QR code						

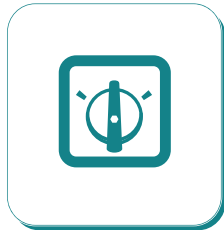
## GASOLINE AIR-COOLED SINGLE AND TWIN-CYLINDER GENERATORS

VTS

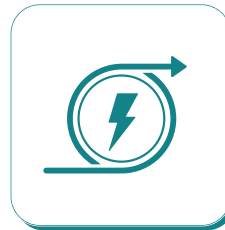
- ✔ VTS phase switching system - single-phase (230V) or three-phase (400V) operation with almost no power loss.
- ✔ Ability to connect the ATS (Automatic Transfer Switch) system.
- ✔ Reliable single and twin-cylinder 18.5 – 22 hp air-cooled engines
- ✔ Ergonomic control panel is equipped with a LED display and an emergency stop button
- ✔ Overload protection and short circuit protection, automatic stop at low oil level
- ✔ AVR Intelligent System provides output voltage stability
- ✔ Equipped with a transport kit for easy transportation
- ✔ Capacious fuel tank (55 l)



POWERFUL 2-CYLINDER ENGINE



VTS SYSTEM (VOLTAGE TRANSFER SWITCH) 230V/400V



CONNECTING THE ATS SYSTEM



CONVENIENT TRANSPORTATION

## 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.

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

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>230 V/400 V</b>
<b>CURRENT (MAX) 230V</b>	<b>63A</b>
<b>CURRENT (MAX) 400V</b>	<b>32A</b>
<b>DIMENSIONS</b>	<b>220x150x370 mm</b>

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

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>230 V/400 V</b>
<b>CURRENT (MAX) 230V</b>	<b>63A</b>
<b>CURRENT (MAX) 400V</b>	<b>32A</b>
<b>DIMENSIONS</b>	<b>220x150x370 mm</b>

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



\* 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

**Input for ATS** (universal 6-pin input)

Powerful and reliable engine TM Könner & Söhne, engine life up to 3000 hours



LED-display: voltage, frequency, working hours

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

Engine emergency switch

Low oil level automatic switch-off

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



**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 6-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) which allows you to use one generator both for single-phase (230 V) and three-phase appliances (400 V). Each mode has its own circuit breaker.

ENGINES MEET THE LATEST  
EURO V EMISSION STANDARD



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

MAX POWER/NOMINAL POWER, 230 V	5.5/5.0 kW
VOLTAGE/FREQUENCY	230V / 50Hz
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



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

MAX POWER/NOMINAL POWER, 230 V	6.5/6.0 kW
VOLTAGE/FREQUENCY	230V / 50Hz
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



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

MAX POWER/NOMINAL POWER, 230 V	5.5/5.0 kW
MAX POWER/NOMINAL POWER, 400 V	6.5/6.0 kW
ENGINE POWER/FREQUENCY	230V / 400V / 50Hz
ENGINE POWER	14 hp
ACCUMULATOR	30 Ah
PREHEATER	+
INPUT FOR ATS	+
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



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

MAX POWER/NOMINAL POWER, 230 V	6.4/5.9 kW
MAX POWER/NOMINAL POWER, 400 V	7.5/7.0 kW
ENGINE POWER/FREQUENCY	230V / 400V / 50Hz
ENGINE POWER	18 hp
ACCUMULATOR	30 Ah
PREHEATER	+
INPUT FOR ATS	+
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



**VTS**

VTS (Voltage Transfer Switch) phase switching system allows using the generator both in three-phase mode (400V) and in single-phase mode (230V) with almost no loss of power.

**ATSR**

Ability to connect the ATS (Automatic Transfer Switch) system.

DIESEL GENERATORS



## DIESEL GENERATORS HEAVY DUTY SERIES

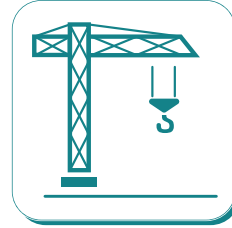
- ✔ Suitable for connecting an ATS unit (Automatic transfer switch)
- ✔ VTS phase switching system: suitable for single-phase (230V) or three-phase (400V) operation with almost equal power for single- and three-phase consumers
- ✔ Pre-start heating procedure for an easy start (in cold season)
- ✔ Reinforced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



FOR HOME USE



FOR SMALL BUSINESS



FOR CONSTRUCTION



FOR FARMS AND AGRICULTURE



# Könner & Söhne

## DIESEL GENERATORS

# 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  
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)	
Fuel tank volume, l	11	11	11		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, cos φ	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 (6-pin connector)	-	-	+		+	
Preheater	+	+	+		+	
Net dimensions (LxWxH), mm	730x495x630	730x495x630	730x495x630		730x495x630	
Gross dimensions (LxWxH), 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



Exclusive models of “HEAVY DUTY Silent Diesel Generator” series diesel generators in a soundproof anti-vandal housing. These models have many advantages compared to ordinary diesel generators. Thanks to their robust housing, the generators have reduced noise level, additional protection from all weather conditions, dust and dirt. 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, which is especially necessary for startup during the cold season. In addition, generators are suitable for connecting the ATS unit (Automatic Transfer Switch), with 1/3 models equipped with a unique VTS phase switching system. We are sure that our generators will become your reliable assistants.



Low oil level automatic switch-off

LED-display: voltage, frequency, working hours

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

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

Input for ATS (universal 6-pin input)



Strong soundproof anti-vandal housing

Engine emergency switch

Electrostatic coating (corrosion protection)

Transportation kit



### 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. With a two-chamber housing design, these models have improved thermal distribution inside, which significantly extends their service life.



### 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 6-pin connector with no system choice limitation for the automatic transfer switch.



### 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.

## DIESEL GENERATORS HEAVY DUTY SERIES



### KS 8200HDES-1/3 ATSR

ENGINES MEET THE LATEST  
EURO V EMISSION STANDARD



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



**VTS**



### KS 9200HDES-1/3 ATSR

### KS 9202HDES-1/3 ATSR

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



**VTS**

## SUPER SILENT DIESEL GENERATORS



Maximum power for a one-cylinder engine!



A minimum noise level Lpa (7m) of 64 dB even at maximum loads.



### KS 9200HDE ATSR



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



### KS 11-2DE ATSR



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

**VTS**

Allows using the generator both in three-phase mode (400V) and in single-phase mode (230V) with almost no loss of power.

**ATSR**

Ability to connect the ATS (Automatic Transfer Switch) system.



## SUPER SILENT DIESEL GENERATORS

Super Silent generators (with maximum power for a one-cylinder engine) have an advanced noise reduction system thanks to the double muffler, which provides a minimum noise level LPA (7 m) **64 dB** even at maximum loads.



64 dB

**HEAVY DUTY**  
SUPER SILENT DIESEL GENERATOR

HEAVY DUTY  
SUPER SILENT DIESEL GENERATOR

**K&S** Könner & Söhne  
TRADITIONELLE DEUTSCHE QUALITÄT  
**KS 9200HDE ATSR**

- 5000 500W
- 8.5/9.8 kW
- ATS INPUT
- 140P
- 2 YEARS WARRANTY
- PREHEATER

STARTER SWITCH  
VOLTS/FREQUENCY  
DIGITAL TEST/ALARM  
CIRCUIT BREAKER  
ON/OFF  
AT  
DC BREAKER  
10A  
DC 12V 8-2A

230V 16A  
230V 20A  
ATB OUTPUT

SILENT  
LPA-64dB  
(7m)



# 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



**VTS**

**ATSR**

DIESEL GENERATORS

KS 8200HDES-1/3 ATSR    KS 9200HDES-1/3 ATSR    KS 9200HDE ATSR    KS 11-2DE ATSR  
KS 9202HDES-1/3 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)
Fuel tank volume, l	11		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		64/89	64/89
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	2.2
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 (LxWxH), mm	900x545x905		900x545x905		890x520x690	1100x600x750
Gross dimensions (LxWxH), 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 TM Könner & Söhne with a capacity of 7.7 kW - 11.25 kVA.

KS 13-DEW 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)

Multifunction digital control unit SmartGen  
(for models KS 13-2DEW ATSR,  
KS 13-2DEW 1/3 ATSR)  
LED-display: voltage, frequency,  
working hours  
(for model KS 13-1DEW 1/3 ATSR)

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)

Input for ATS  
(universal 6-pin input)

Transportation kit



WATER  
COOLED ENGINE



PRE-START  
HEATING



Electrostatic painting ANTI-SCRATCH  
(corrosion protection)

Engine life up to 3000 hours

Soundproof  
antivandal housing

ADDITIONAL ACCESSORIES  
AND EXTRA FILTERS



### POWERFUL AND RELIABLE ENGINE

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



### ERGONOMIC CONTROL PANEL

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



### ABILITY TO CONNECT ATS

The generator has the ability to connect the ATS system (automatic transfer switch). The ATS output has a universal 6-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 WITH WATER COOLING



## KS 13-1DEW 1/3 ATSR

MAX POWER/NOMINAL POWER, 230 V	8.1/7.7 kW
MAX POWER/NOMINAL POWER, 400 V	11.25/10.63 kVA
VOLTAGE/FREQUENCY	230V / 400V / 50Hz
ENGINE POWER	18 hp
ENGINE START	electro
FUEL TYPE	diesel
ENGINE MODEL	KS 820HD
OUTLETS	1x16A(230V)/1x32A(230V) 1x16A(400V)/1x32A(400V)
FUEL TANK VOLUME	30 l
CRANK CASE VOLUME	3.3 cm <sup>3</sup>
ACCUMULATOR	36 Ah
NET WEIGHT	210 kg



DIESEL GENERATORS



## KS 13-2DEW ATSR

MAX POWER/NOMINAL POWER, 230 V	9.0/8.5 kW
VOLTAGE	230 V
FREQUENCY	50 Hz
ENGINE POWER	18 hp
ENGINE START	electro
FUEL TYPE	diesel
ENGINE MODEL	KS 820HD
OUTLETS	1x63A/1x32A/2x16A contact bar
FUEL TANK VOLUME	25 l
CRANK CASE VOLUME	3.3 cm <sup>3</sup>
ACCUMULATOR	36 Ah
NET WEIGHT	310 kg



## KS 13-2DEW 1/3 ATSR

MAX POWER/NOMINAL POWER, 230 V	8.1/7.7 kW
MAX POWER/NOMINAL POWER, 400 V	11.25/10.63 kVA
VOLTAGE/FREQUENCY	230V / 400V / 50 Hz
ENGINE POWER	18 hp
ENGINE START	electro
FUEL TYPE	diesel
ENGINE MODEL	KS 820HD
OUTLETS	1x16A(230V)/1x32A(230V) 1x16A(400V)/1x32A(400V) contact bar
FUEL TANK VOLUME	25 l
CRANK CASE VOLUME	3.3 cm <sup>3</sup>
ACCUMULATOR	36 Ah
NET WEIGHT	310 kg



VTS (Voltage Transfer Switch) phase switching system allows using the generator both in three-phase mode (400V) and in single-phase mode (230V) with almost no loss of power.



Ability to connect the ATS (Automatic Transfer Switch) system.



## DIESEL GENERATORS HEAVY DUTY SERIES WITH WATER COOLING



**GENERATOR POWER**  
7.7 kW – 11.25 kVA



**VOLTAGE 230 V/400 V**



**ENGINE POWER 18 HP**



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



**VTS**

**ATSR**

KS 13-1DEW 1/3 ATSR

KS 13-2DEW ATSR

KS 13-2DEW 1/3 ATSR

Voltage, V	KS 13-1DEW 1/3 ATSR		KS 13-2DEW ATSR	KS 13-2DEW 1/3 ATSR	
	230	400		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		67/92	67/92	
Power output DC, V/A	-		-	-	
Engine model	KS 820HD		KS 820HD	KS 820HD	
Engine type	diesel V-type 2 cylinder, 4 stroke water-cooled				
Engine power hp	18/13.24		18/13.24	18/13.24	
Crank case volume, cm <sup>3</sup>	3.3		3.3	3.3	
Coolant volume, l	3.5		3.5	3.5	
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 (6-pin connector)	+		+	+	
Preheater	+		+	+	
Net dimensions (LxWxH), mm	1050x640x700		1250x650x760	1250x650x760	
Gross dimensions (LxWxH), mm	1100x680x820		1300x700x880	1300x700x880	
Net weight, kg	210		310	310	
Gross weight, kg	240		345	345	
Protection class	IP23M				
QR code					

## TWO-CYLINDER DIESEL GENERATORS HEAVY DUTY SERIES

**9.5 kW–13.75 kVA**



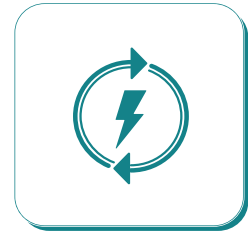
SOUNDPROOF  
ANTIVANDAL  
HOUSING



VTS-SYSTEM  
230V/400V



MULTIFUNCTION DIGITAL  
CONTROL UNIT OR  
LED DISPLAY



ABILITY TO  
CONNECT ATS





# 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: overload and short circuit protection, automatic engine stop at low oil level, fuel level sensor. KS 14-2DE ATSR and KS 14-2DE 1/3 ATSR models are equipped with the SmartGen multifunction device, that protects the engine from over- and undervoltage, under- and overfrequency, low oil pressure, overload and engine overheating.



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



Emergency engine stop button

Soundproof, all-weather anti-vandal housing

Multifunction digital control unit SmartGen (for models KS 14-2DE ATSR, KS 14-2DE 1/3 ATSR)  
LED-display: voltage, frequency, working hours (for model KS 14-1DE ATSR)

Ability to connect ATS (universal 6-pin)

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



Electrostatic painting ANTI-SCRATCH (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 engine (21 hp). The engine design is optimally balanced thanks linear arrangement of cylinders, which ensure reduced vibration of the generator during operation, facilitates long and stable operation of the generator.



### PROTECTIVE ANTI-VANDAL HOUSING

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



### ERGONOMIC CONTROL PANEL

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



### CONTACT BAR

Powerful two-cylinder models of TM Könner & Söhne 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



MAX POWER/NOMINAL POWER, 230 V	11.0/10.5 kW
VOLTAGE/FREQUENCY	230V / 50Hz
ENGINE POWER	21 hp
ENGINE START	electro
FUEL TYPE	diesel
ENGINE MODEL	KS 1020HD
OUTLETS	1x63A/1x32A/2x16A
FUEL TANK VOLUME	30 l
CRANK CASE VOLUME	2.8 cm <sup>3</sup>
ACCUMULATOR	36 Ah
NET WEIGHT	220 kg



DIESEL GENERATORS



## KS 14-2DE ATSR



MAX POWER/NOMINAL POWER, 230 V	11.0/10.5 kW
VOLTAGE/FREQUENCY	230V / 50Hz
ENGINE POWER	21 hp
ENGINE START	electro
FUEL TYPE	diesel
ENGINE MODEL	KS 1020HD
OUTLETS	1x63A/1x32A/2x16A contact bar
FUEL TANK VOLUME	25 l
CRANK CASE VOLUME	2.8 cm <sup>3</sup>
ACCUMULATOR	36 Ah
NET WEIGHT	320 kg



## KS 14-2DE 1/3 ATSR



MAX POWER/NOMINAL POWER, 230 V	10.0/9.5 kW
MAX POWER/NOMINAL POWER, 400 V	13.75/13.1 kVA
VOLTAGE/FREQUENCY	230V / 400V / 50Hz
ENGINE POWER	21 hp
ENGINE START	electro
FUEL TYPE	diesel
ENGINE MODEL	KS 1020HD
OUTLETS	1x16A(230V)/1x32A(230V) 1x16A(400V)/1x32A(400V) contact bar
FUEL TANK VOLUME	25 l
CRANK CASE VOLUME	2.8 cm <sup>3</sup>
ACCUMULATOR	36 Ah
NET WEIGHT	320 kg



VTS (Voltage Transfer Switch) phase switching system allows using the generator both in three-phase mode (400V) and in single-phase mode (230V) with almost no loss of power.



Ability to connect the ATS (Automatic Transfer Switch) system.



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



**GENERATOR POWER**  
9.5 kW – 13.75 kVA



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



**VOLTAGE 230 V/400 V**



**ENGINE POWER 21 HP**



**VTS**

**ATSR**



KS 14-1DE ATSR



KS 14-2DE ATSR



KS 14-2DE 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) 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	74/99		68/93	
Power output DC, V/A	-		-	
Engine model	KS 1020HD		KS 1020HD	
Engine type	diesel powered two-cylinder, four-stroke air-cooled			
Engine power hp/kW	21/15.45		21/15.45	
Crank case volume, cm <sup>3</sup>	2.8			
Engine cylinder volume, cm <sup>3</sup>	997		997	
Power output controller	intelligent voltage stabilization system AVR			
Engine start	electro		electro	
Power factor, cos φ	1		1	
Accumulator, Ah	36		36	
Ability to connect ATS (6-pin connector)	+		+	
Preheater	+		+	
Net dimensions (LxWxH), mm	1050x640x700		1250x650x760	
Gross dimensions (LxWxH), mm	1100x680x820		1300x700x880	
Net weight, kg	220		320	
Gross weight, kg	240		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.

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

## 6-pin input for ATS

(sold only with the generator)



KS ATS 1/40HD



KS ATS 3/18HD



KS ATS 4/63HD

Voltage, V	230	400	230	400
Power, kW	9.2	12.5	14.4 (28.8)	34.8
Current (MAX), A	40	18	63 (120)	63
Dimensions (LxWxH), mm	300x400x200		320x400x200	
Net weight/Gross weight, kg	6.1/6.5		6.5/7.9	
QR code				



## PROGRAMMABLE LOGIC CONTROLLER OF THE ATS UNIT:

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

# TRANSPORTATION KITS



	Suitable for all modifications of diesel generators with open frame: KS 6000, KS 8000, KS 9000 and gasoline generators KSB 6500C, KSB 6500CE	Suitable for all models of gasoline generators: KS 3000	Suitable for all models of gasoline generators: KS 7000, KS 10000 (steel frame Ø28 cm).	Suitable for all models of gasoline generators: KS 10000 (steel frame Ø32 cm).
Mounting kit, pcs.	-	1	1	1
Wheels, pcs.	4	2	2	2
Handles, pcs.	-	2	2	2
Support legs, pcs.	-	2	2	2
Net weight/Gross weight, kg		5.0/5.6	5.12/5.66	5.24/5.78
QR code				



# INVERTER GENERATORS

Inverter gasoline powered generators are a user-friendly portable source of energy. The range of inverter generators features models with a power range from 1.8 to 8.0 kW. Double conversion of electric energy provides the pure sine wave and frequency of 50 Hz, which ensures reliable operation of sensitive and high-precision electronics: computers, electronic measuring instruments, medical devices, heating boilers, etc.

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

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

**ECONOMY MODE** switch

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

**Generator parallel connection outputs**

**POSSIBILITY PARALLEL CONNECTION**  
(additional device for double power)

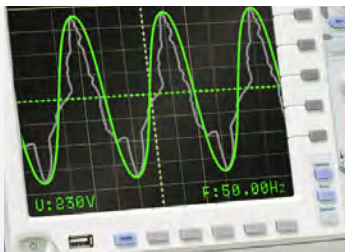
**Transport handle**

**PURE SINE WAVE**

**3-in-1 easy engine start system**

**Soundproof housing with minimal noise level**

**Equipped with transport system for easy handling**



**PURE SINE WAVE**

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



**ECONOMY MODE**

Engines of inverter generators from 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.



**PARALLEL CONNECTION**

Parallel connection ensures increased power. Using a parallel connection device connected to a special sockets on the generator, you can pair the generators and connect devices with greater power.



**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.

# INVERTER GENERATORS



## KS 2000i S

MAX/NOMINAL POWER	2.0/1.8 kW
VOLTAGE/FREQUENCY	230V / 50Hz
ENGINE POWER	2.5 hp
ENGINE START	manual
FUEL TYPE	gasoline
ENGINE MODEL	KS 100i
OUTLETS	1x16A
GENERATOR PARALLEL SOCKET	+
NET WEIGHT	15.6 kg



## KS 4000iE S

MAX/NOMINAL POWER	4.0/3.5 kW
VOLTAGE/FREQUENCY	230V / 50Hz
ENGINE POWER	7.5 hp
ENGINE START	manual/electro
FUEL TYPE	gasoline
ENGINE MODEL	KS 240i
OUTLETS	2x16A
GENERATOR PARALLEL SOCKET	+
LITHIUM BATTERY	1.6 Ah
NET WEIGHT	40 kg



## KS 4100iE

MAX/NOMINAL POWER	4.0/3.6 kW
VOLTAGE/FREQUENCY	230V / 50Hz
ENGINE POWER	7.5 hp
ENGINE START	manual/electro
FUEL TYPE	gasoline
ENGINE MODEL	KS 240i
OUTLETS	2x16A
GENERATOR PARALLEL SOCKET	+
LITHIUM BATTERY	1.6 Ah
NET WEIGHT	36.7 kg



## KS 8100iE

MAX/NOMINAL POWER	8.0/7.2 kW
VOLTAGE/FREQUENCY	230V / 50Hz
ENGINE POWER	16 hp
ENGINE START	electro
FUEL TYPE	gasoline
ENGINE MODEL	KS 480i
OUTLETS	1x16A, 1x32A
GENERATOR PARALLEL SOCKET	-
LITHIUM BATTERY	1.6 Ah
NET WEIGHT	65.8 kg



## KS 8100iE ATSR

MAX/NOMINAL POWER	8.0/7.2 kW
VOLTAGE/FREQUENCY	230V / 50Hz
ENGINE POWER	16 hp
ENGINE START	electro
FUEL TYPE	gasoline
ENGINE MODEL	KS 480i
OUTLETS	1x16A, 1x32A
GENERATOR PARALLEL SOCKET	-
LITHIUM BATTERY	1.6 Ah
NET WEIGHT	68 kg



INVERTER GENERATORS



## INVERTER GENERATORS



ECONOMY MODE



FOR SENSITIVE ELECTRONICS



CONVENIENT TRANSPORTATION

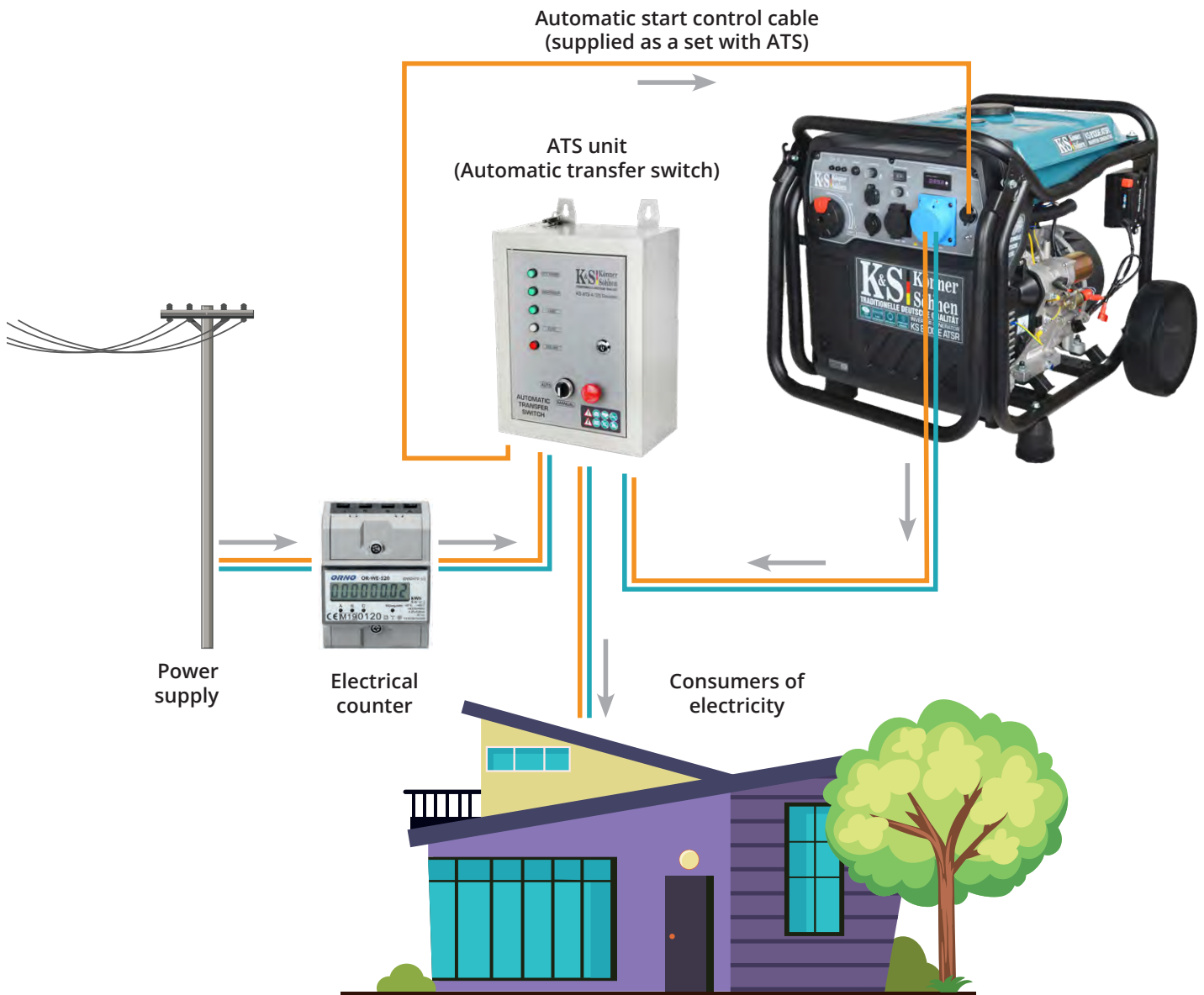


LOW NOISE LEVEL

### UNIQUE NOVELTY!

Inverter generator with the possibility of connecting the ATS system (Automatic Transfer Switch). The ATS is purposed for automatic start of the generator set in the event of interruption or failure of the main power source, as well as for stopping the generator after power supply has been restored. The ATS input has an 8-pin connector.

Connect the ATS to the generator using the generator automatic start control cable (supplied as a set with ATS). The ATS contact socket is located on the control panel of the generator.



## LPG/GASOLINE INVERTER GENERATORS

### KS 2000iG S

MAX/NOMINAL POWER	2.0/1.8 kW*
VOLTAGE/FREQUENCY	230V / 50Hz
ENGINE POWER	2.5 hp
ENGINE START	manual
FUEL TYPE	LPG/gasoline
ENGINE MODEL	KS 100i
OUTLETS	1x16A
GENERATOR PARALLEL SOCKET	+
NET WEIGHT	18 kg



### KS 4000iEG S

MAX/NOMINAL POWER	4.0/3.5 kW*
VOLTAGE/FREQUENCY	230V / 50Hz
ENGINE POWER	7.5 hp
ENGINE START	manual/electro
FUEL TYPE	LPG/gasoline
ENGINE MODEL	KS 240i
LITHIUM BATTERY	1,6 Ah
GENERATOR PARALLEL SOCKET	+
OUTLETS	2x16A
NET WEIGHT	40 kg



### KS 4100iE G

MAX/NOMINAL POWER	4.0/3.6 kW*
VOLTAGE/FREQUENCY	230V / 50Hz
ENGINE POWER	7.5 hp
ENGINE START	manual/electro
FUEL TYPE	LPG/gasoline
ENGINE MODEL	KS 240i
LITHIUM BATTERY	1,6 Ah
GENERATOR PARALLEL SOCKET	+
OUTLETS	2x16A
NET WEIGHT	38 kg



### KS 8100iE G

MAX/NOMINAL POWER	8.0/7.2 kW*
VOLTAGE/FREQUENCY	230V / 50Hz
ENGINE POWER	16 k.c.
ENGINE START	electro
FUEL TYPE	LPG/gasoline
ENGINE MODEL	KS 480i
LITHIUM BATTERY	1,6 Ah
GENERATOR PARALLEL SOCKET	-
OUTLETS	1x16A, 1x32A
NET WEIGHT	68 kg



### KS 8100iEG ATSR

MAX/NOMINAL POWER	8.0/7.2 kW*
VOLTAGE/FREQUENCY	230V / 50Hz
ENGINE POWER	16 hp
ENGINE START	electro
FUEL TYPE	LPG/gasoline
ENGINE MODEL	KS 480i
LITHIUM BATTERY	1,6 Ah
GENERATOR PARALLEL SOCKET	-
OUTLETS	1x16A, 1x32A
NET WEIGHT	68 kg



\* LPG operation reduces generator power by 10%.



## INVERTER GENERATORS



**GENERATOR POWER**  
1.8 – 8.0 kW



**MANUAL/ELECTRO ENGINE START**



**VOLTAGE 230 V**



**ENGINE POWER**  
2.5 – 16 HP



KS 2000i S

KS 4000iE S

KS 4100iE

KS 8100iE

KS 8100iE ATSR

Voltage, V	230	230	230	230	230
Max power	2.0	4.0	4.0	8.0	8.0
Nominal power	1.8	3.5	3.6	7.2	7.2
Frequency, Hz	50	50	50	50	50
Current, A(max)	8.7	17.4	17.4	34.8	34.8
Outlets	1x16A	2x16A	2x16A	1x16A, 1x32A	1x16A, 1x32A
Fuel tank volume, l	4.0	12.5	12.5	20	20
LED display	voltage, frequency, working hours	multifunctional*	voltage, frequency, working hours		
Noise level L <sub>PA</sub> (7 m)/L <sub>WA</sub> , dB	62/87	66/91	70/95	70/95	70/95
Power output DC, V/A	-	12V/8,3A	12V/8,3A	12V/8,3A	12V/8,3A
USB-Outputs	5V//1A, 5V//2.1A	5V//1A, 5V//2.1A	5V//1A, 5V//2.1A	5V//1A, 5V//2.1A	5V//1A, 5V//2.1A
Engine model	KS 100i	KS 240i	KS 240i	KS 480i	KS 480i
Engine type	gasoline powered one-cylinder, four-stroke air-cooled				
Engine power, hp	2.5	7.5	7.5	16	16
Crank case volume, cm <sup>3</sup>	0.35	0.6	0.6	1.1	1.1
Engine cylinder volume, cm <sup>3</sup>	79.7	223	223	458	458
Generator parallel socket	+	+	+	-	-
Engine start	manual	manual/electro	manual/electro	electro	electro
Lithium battery, Ah	-	1.6	1.6	1.6	1.6
Power factor, cos φ	1	1	1	1	1
ATS input	-	-	-	-	+
Net dimensions (LxWxH), mm	480x280x460	620x440x510	530x410x430	600x510x560	600x510x560
Gross dimensions (LxWxH), mm	510x310x525	630x475x570	605x420x425	725x505x555	725x505x555
Net weight, kg	15.6	40	36.7	65.8	68
Gross weight, kg	18	43.4	39	69.2	71
Protection class	IP23M				
QR code					

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

# LPG/GASOLINE INVERTER GENERATORS



**GENERATOR POWER**  
1.8 – 8.0 kW



**MANUAL/ELECTRO ENGINE START**



**VOLTAGE 230 V**



**ENGINE POWER**  
2.5 – 16 HP



KS 2000iG S    KS 4000iEG S    KS 4100iE G    KS 8100iE G    KS 8100iEG ATSR

Voltage, V	230	230	230	230	230
Max power	2.0*	4.0*	4.0*	8.0*	8.0*
Nominal power	1.8*	3.5*	3.6*	7.2*	7.2*
Frequency, Hz	50	50	50	50	50
Current, A(max)	8.7	17.4	17.4	34.8	34.8
Outlets	1x16A	2x16A	2x16A	1x16A, 1x32A	1x16A, 1x32A
Fuel tank volume, l	4.0	12.5	12.5	20	20
LED display	voltage, frequency, working hours	multifunctional**		voltage, frequency, working hours	
Noise level L <sub>PA</sub> (7 m)/L <sub>WA</sub> , dB	62/87	66/91	70/95	70/95	70/95
USB-Outputs	5V/1A, 5V/2.1A	5V/1A, 5V/2.1A	5V/1A, 5V/2.1A	-	-
Engine model	KS 100i	KS 240i	KS 240i	KS 480i	KS 480i
Engine type	LPG/gasoline powered one-cylinder, four-stroke air-cooled				
Engine power, hp	2.5	7.5	7.5	16	16
Crank case volume, cm <sup>3</sup>	0.35	0.6	0.6	1.1	1.1
Engine cylinder volume, cm <sup>3</sup>	79.7	223	223	458	458
Generator parallel socket	+	+	+	-	-
Engine start	manual	manual/electro	manual/electro	electro	electro
Lithium battery, Ah	-	1.6	1.6	1.6	1.6
Power factor, cos	1	1	1	1	1
ATS input	-	-	-	-	+
Net dimensions (LxWxH), mm	480x280x460	620x440x510	530x410x430	600x510x560	600x510x560
Gross dimensions (LxWxH), mm	510x310x525	630x475x570	605x420x425	765x505x555	765x505x555
Net weight, kg	18	40	38	68	68
Gross weight, kg	23	46	44	74	74
Protection class	IP23M				
QR code					

\* LPG operation reduces generator power by 10%.

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



# ADDITIONAL EQUIPMENT

KS PU1 generator parallel connection box from Könner & Söhne. Using a parallel connection device connected to a special socket on the generator, you can pair the generators and connect devices with greater power.

*Generator parallel connection box*

## KS PU1

<b>VOLTAGE</b>	<b>230 V</b>
<b>SOCKETS</b>	<b>1*16A, 1*32A / 230V</b>
<b>CIRCUIT BREAKER</b>	<b>230V</b>
<b>MAXIMUM POWER</b>	<b>7 kW</b>
<b>CABLE LENGTH</b>	<b>2*180 cm</b>
<b>CABLE</b>	<b>AWG 2.08 mm<sup>2</sup></b>
<b>NET/GROSS WEIGHT</b>	<b>1.5/2.5 kg</b>

*For inverter generators. Sold only with the generator*

*8-pin input for ATS*

## KS ATS 4/25 Gasoline

<b>POWER 230 V</b>	<b>5,75 (11,5) kW</b>
<b>POWER 400 V</b>	<b>13 kW</b>
<b>VOLTAGE</b>	<b>230 V/400 V</b>
<b>CURRENT (MAX) 230 V</b>	<b>25A (50A)</b>
<b>CURRENT (MAX) 400 V</b>	<b>25A</b>
<b>NET DIMENSIONS</b>	<b>320x250x140 mm</b>
<b>NET/GROSS WEIGHT</b>	<b>4.5/5.5 kg</b>

*For inverter generators. Sold only with the generator*



# INVERTER GENERATORS

Könner & Söhne



# CORD REELS K&S

Extension cables from TM „Könner & Söhnen“ are intended for use both indoors and outdoors, on construction sites, in agriculture, as well as in places with high humidity. Könner & Söhnen cables are very durable and can withstand severe operating conditions and mechanical stress (shocks, fall, runover). They are made of flexible power cord with 100% copper conductors in rubber insulation, which provides resistance to weathering, UV radiation, and ozone. In addition, they are protected from chemical aggression, greases, lubricants and mineral oils. Extension cables are halogen-free with low smoke and low corrosive gases emission.

Cable sheath made of neoprene rubber - durable and heat resistant material

Ergonomic rubber handle

100% Copper wire

100% rubber insulation (resistant to farmer's and industrial chemicals)

4\*16A Sockets

Latch for blocking arbitrary unwinding of the reel

Mount for adjusting cable direction

Metal or plastic cord reel body

Cable clamp

- ✓ bend resistance
- ✓ torsion resistance
- ✓ moisture resistance
- ✓ elastic at any temperatures (-40 °C TO +90 °C)
- ✓ resistance to exposure: UV radiation, ozone, chemicals, greases, lubricants and mineral oils, mechanical stress



KS CR-15M

KS CR-25M

KS CRM-30M

	KS CR-15M	KS CR-25M	KS CRM-30M
Total power (wound cable), W	3000	3600	3600
Total power (unwound cable), W	15	25	30
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	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
Net/Gross weight, kg	3.2/4	6.5/7	7.8/8.5

# EXTENSION CABLE SOCKET ADAPTER 32A→16A



KS EX1M-1S  
1 socket

KS EX1.5M-3S  
3 socket

KS EX3M-4S  
4 socket

	KS EX1M-1S	KS EX1.5M-3S	KS EX3M-4S
Power for 1 socket, W	3600	5000	5000
Total power, W	1.0	1.5	3.0
Plug	1*32A/250V	1*32A/250V	1*32A/250V
Sockets with protective cap	1*16A/250V	3*16A/250V	4*16A/250V
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
Net/Gross weight, kg	0.36/0.40	0.70/0.78	1.45/1.55

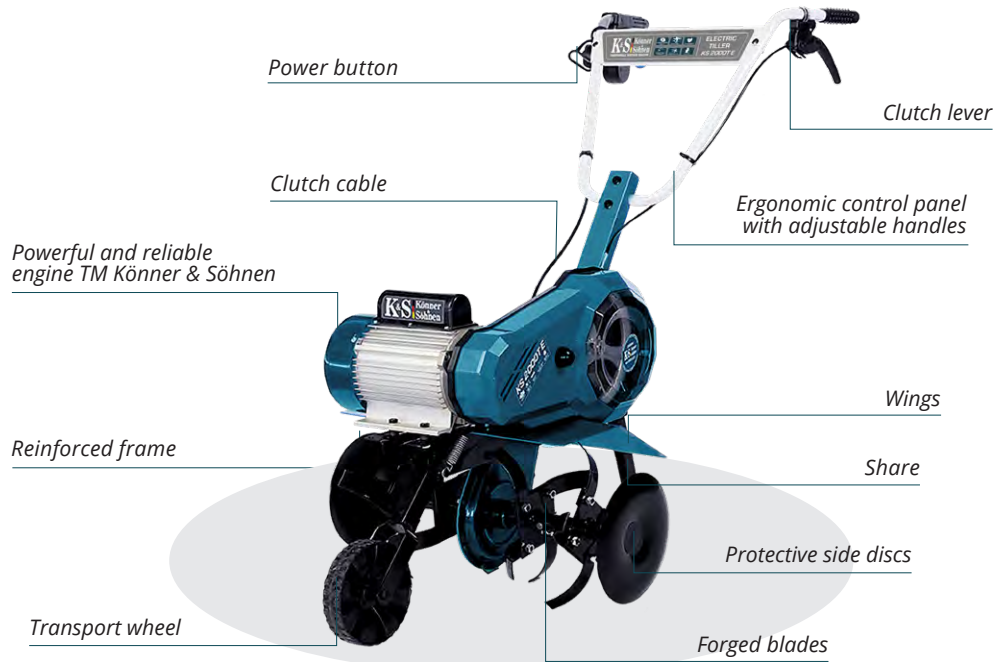









# ELECTRIC TILLERS

## THE ECO-SERIES

Könner & Söhnen electric cultivators are excellent helpers and designed for tilling small areas. These devices can easily maneuver in conned 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 & Söhnen are equipped with a high-performance, reliable, environmentally-friendly and virtually silent engine.



**DURABLE CUTTERS**

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



**EASY OPERATION**

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



**CASTERS**

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

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 (7m)/LWA, dB	68/93	68/93	60/85
Gross dimensions (LxWxH), mm	380x275x530	480x320x545	660x410x510
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, are equipped with casters that provide enhanced maneuverability even on small land plots. Models KS 7HP-850A, KS 7HP-950A and KS 7HP-950S are suitable for accommodating extra attachments (hilling-up plow, subsoil plow, potato digger, metal wheels with grousers).

*Ergonomic control panel (the handles rotate vertically 180° (except for model KS 7HP-850A)*

*Processing rotation vertically 180° and horizontally at 360° for model KS 7HP-950S)*

*Powerful and reliable engine TM Könner & Söhnen*



*Transport wheel or support leg*

*Tubeless wheels with low profile rubber (for model KS 7HP-950S, can be installed for model KS 7HP-950A)*



*Clutch handle*

*Tool case (for model KS 7HP-950S)*

*Gear lever*

*Reinforced share. The possibility of installing additional attachments*

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



### 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 (except for model KS 7HP-850A), 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 50 to 108 cm, and the tilling depth is up to 31 cm.



### QUALITY IN DETAILS

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



**GEAR:**  
BELT DRIVE,  
CHAIN DRIVE



**TILLING WIDTH**  
≤50–108 cm



KS 4HP-70



KS 7HP-850A



KS 7HP-950A



KS 7HP-950S

Engine model	KS 160	KS 240	KS 240	KS 240
Engine power, HP	4.0	7.0	7.0	7.0
Engine volume, cm <sup>3</sup>	139	212	212	212
Engine type	gasoline	gasoline	gasoline	gasoline
Tilling width, cm	50–70	≤ 80	≤ 108	≤ 108
Max. tilling depth, cm	≤ 27	≤ 31	≤ 31	≤ 31
Fuel tank volume, l	1.5	3.6	3.6	3.6
Crank case volume, cm <sup>3</sup>	0.6	0.6	0.6	0.6
Transmission case volume, l	0.1	-	1.2	1.2
Gear	belt drive, worm drive	belt drive, chain drive	belt drive, chain drive	belt drive, chain drive
Drive type	1	+1 0	+2 +1 0 -1	+2 +1 0 -1
Reverse gear	-	-	+	+
Adjustable handles	-	-	vertically	vertically, horizontally
Wheels	transport wheel	transport wheel	transport wheel, possibility to complete set with additional pneumatic wheels	tubeless wheels with low profile rubber
Noise level L <sub>PA</sub> (7 m)/L <sub>WA</sub> , dB	68/93	73/98	73/98	73/98
Gross dimensions (LxWxH), mm	680x380x650	690x380x770	845x460x660	780x460x780
Net weight, kg	36	52	62	80
Gross weight, kg	39	56	71	89
QR-код				





# 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 KS 9HP-1350G-3 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 134 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.

Tool case

Exclusive design - reinforced frame design with reflective elements for enhanced user safety

Powerful engine  
TM Könner & Söhne



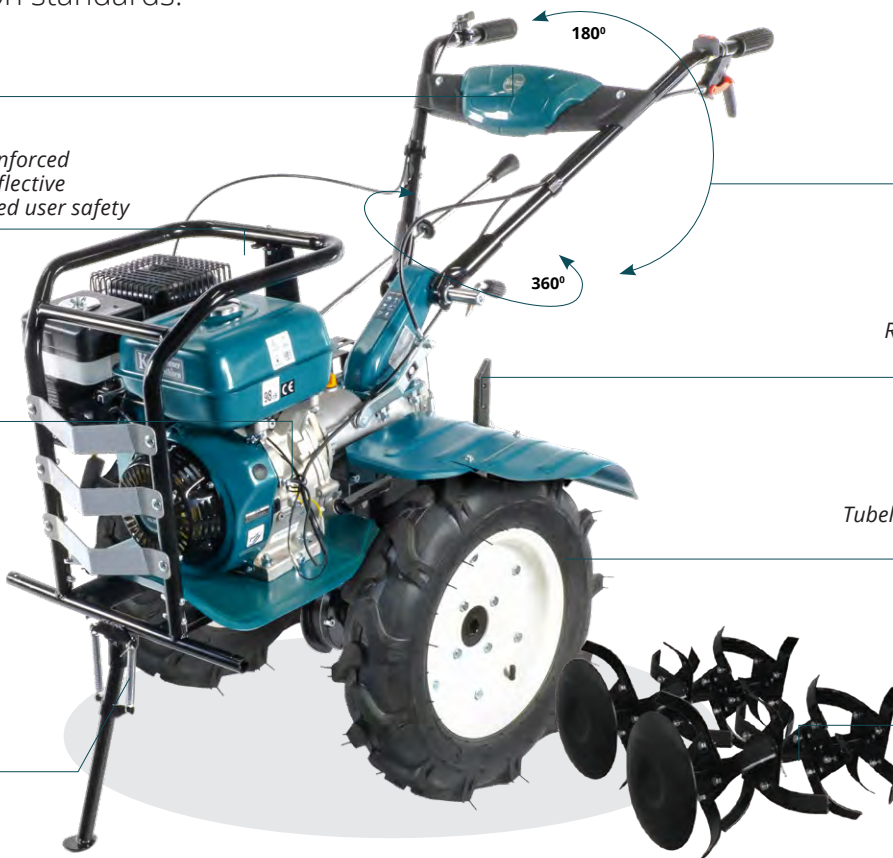
Support leg

Processing rotation vertically 180° and horizontally 360°

Reinforced share. The possibility of installing additional attachments

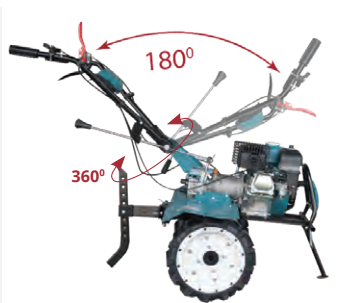
Tubeless wheels with low profile rubber or pneumatic wheels

Forged saber-shaped cutters with protective shields allow processing any types of soil



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



TUBELESS OR PNEUMATIC WHEELS

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



ACCESSORIES

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



**GEAR:**  
BEVEL GEAR DRIVE





**TILLING WIDTH**  
≤ 108–134 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	270
Engine type	gasoline	gasoline
Tilling width, cm	≤ 108	≤ 134
Max. tilling depth, cm	≤ 35	≤ 35
Fuel tank volume, l	3.6	6.0
Crank case volume, l	0.6	1.1
Transmission case volume, l	1.2	1.5
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, horizontally	vertically, horizontally
Wheels	low-profile tubeless wheels 4.00-10"	pneumatic wheels 4.00-8" or 5.00-12"
Noise level L <sub>PA</sub> (7 m)/L <sub>WA</sub> , dB	73/98	73/98
Net dimensions (LxWxH), mm	880x460x660	910x570x750
Net weight, kg	83	94
Gross weight, kg	92	110
Code QR		



100%  
QUALITY  
CONTROL





# ATTACHMENTS

Belt-driven cultivator models KS 7HP-850A, 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**



Adjustable plough

**KS AP1**



Weeding plough

**KS WP1**

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

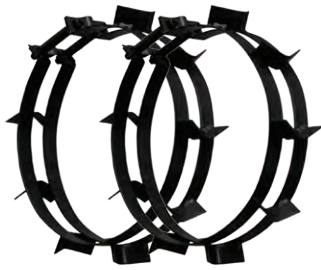




*Metal grouser*

**KS MG40**

<b>DIAMETER</b>	<b>46.5 cm</b>
<b>WIDTH</b>	<b>10 cm</b>



*Protective side discs*

**KS MD6**

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

**KS MW40**

<b>DIAMETER</b>	<b>39.5 cm</b>
<b>WIDTH</b>	<b>18.5 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>



*Pneumatic wheels*

**KS RW40**

<b>DIAMETER</b>	<b>4.00 - 8"</b>
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*Pneumatic wheels*

**KS RW50**

<b>DIAMETER</b>	<b>5.00 - 12"</b>
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*Axle for wheel mounting*

**KS AT23**

<b>DIAMETER OF THE HEXAGON</b>	<b>23 mm</b>
<b>LENGTH</b>	<b>20 cm</b>

(for models KS 7HP-850A, KS 7HP-950A)





# ALL-WEATHER 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. A machine with such features will be useful not only in a private house with a backyard, a country house, but also for hotel facilities, suburban guest houses, garden societies, etc.

## 5 KEY ADVANTAGES OF KÖNNER & SÖHNEN MULTIFUNCTION MACHINE:

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

Multifunction machine



### KS 7HP-MFM 60

<b>DRIVE</b>	<i>direct</i>
<b>ENGINE MODEL</b>	<i>KS 220</i>
<b>ENGINE TYPE</b>	<i>gasoline</i>
<b>ENGINE POWER</b>	<i>6.5 hp</i>
<b>ENGINE START</b>	<i>manual</i>
<b>FUEL TANK VOLUME</b>	<i>3.6 cm<sup>3</sup></i>
<b>FUEL CONSUMPTION</b>	<i>1,2 - 1,8 l/h</i>
<b>NET/GROSS WEIGHT</b>	<i>72/80 kg</i>

Multifunction machine



### KS 7HP-MFM 80E

<b>DRIVE</b>	<i>direct</i>
<b>ENGINE MODEL</b>	<i>KS 220</i>
<b>ENGINE TYPE</b>	<i>gasoline</i>
<b>ENGINE POWER</b>	<i>6.5 hp</i>
<b>ENGINE START</b>	<i>manual/electro</i>
<b>FUEL TANK VOLUME</b>	<i>3.6 cm<sup>3</sup></i>
<b>FUEL CONSUMPTION</b>	<i>1,2 - 1,8 l/h</i>
<b>NET/GROSS WEIGHT</b>	<i>78/88 kg</i>



#### A. PROPRIETARY K&S ENGINE

Reliable, robust and heavy-load 6.5 HP K&S gasoline engine meets the latest EURO V emission standard.

#### B. MAXIMUM PRODUCTIVITY

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

#### D. ALL-SEASON HIGH-TREAD TIRES

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

#### C. MANEUVERABILITY AND VERSATILITY

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

#### E. QUALITY IN DETAILS

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



## ATTACHMENTS FOR MULTIFUNCTION MACHINE

### Sweeper



#### KS 7HP-MFM 60



#### KS 7HP-MFM 80E

INDISPENSABLE ASSISTANT AT ANY TIME OF THE YEAR



<b>WORKING WIDTH</b>	34,5 cm
<b>BRUSH DIAMETER</b>	60/80 cm
<b>ADJUSTABLE ANGLE OF TURNING</b>	± 15°
<b>BRUSH SPEED</b>	255 rpm
<b>GROSS DIMENSIONS (60/80 CM)</b>	62/82*57*42 cm
<b>NET/GROSS WEIGHT (60/80 CM)</b>	32/35 kg   38/43 kg

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

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

### Dust box



#### KS MFM-DB 60



#### KS MFM-DB 80

<b>WORKING WIDTH</b>	60/80 cm
<b>GROSS DIMENSIONS (60/80 CM)</b>	63/83*39*33,5 cm
<b>NET/GROSS WEIGHT (60/80 CM)</b>	6.6/8.5 kg   8.5/10 kg

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

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

### Snow blower



#### KS MFM-SB 60

<b>CHUTE TURNING RADIUS</b>	270°
<b>SNOW THROWING RANGE</b>	0-10 m
<b>GROSS DIMENSIONS</b>	60*47*47.0 cm
<b>NET/GROSS WEIGHT</b>	21/23 kg

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

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

### Snow shovel



#### KS MFM-SS 60



#### KS MFM-SS 80

<b>WORKING WIDTH</b>	60/80 cm
<b>GROSS DIMENSIONS (60/80 CM)</b>	62/82*46,5*11 cm
<b>NET/GROSS WEIGHT (60/80 CM)</b>	6.6/7.7 kg   8.8/9.8 kg

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

- It has grips for easy handling

### ADDITIONAL ACCESSORIES

- LED lamp - KS MFM LAMP
- Anti-skid chain - KS MFM SC 13/4.1





# ELECTRIC AND GASOLINE LOG SPLITTERS

## HYDRAULIC AND KINETIC TYPE

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

Kinetic log splitters from Könner & Söhnen are high-performance machines with a cycle time of up to 2 seconds. They are thus 5-7 times faster than hydraulic log splitters. To split a log, you just need to raise the lever and allow the log splitter to do the rest of the job for you.

Smooth operation of hydraulic log splitters allows safe splitting of logs, so that you have plenty of time to put in another log. Könner & Söhnen log splitters ensure quick and easy splitting of a large number of logs.



**SPLITTING FORCE**  
7-27 TON



**ELECTRIC/GASOLINE ENGINE**



**MAX. SPLITTING LENGTH**  
520-650 MM



**MAX. SPLITTING DIAMETER** 300-550 MM

*Optional protective metal grill (except model KS 15TKG 52/35)*

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

*Two-lever control system for increased operator safety*

*Log pusher with a maximum splitting force of 27 tons*

*Reinforced frame*

*Transport wheels*

*Tow bar for vehicle*

*Splitter wedge welded into the frame*

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

*Powerful and reliable engine TM Könner & Söhnen*

### OPTIONAL ACCESSORIES

*Protective metal grill (except model KS 15TKG 52/35)*  
*Support bracket for model KS 7THE 52/30*  
*4-way splitter wedge for models KS 7THE 52/30, KS 27THG 65/55*



## ELECTRIC AND GASOLINE LOG SPLITTERS

### ✔ MINIMUM PHYSICAL LOADS

Easy to operate - to split a log, you just need to raise the lever and allow the log splitter to do the rest of the job for you. Log splitters easily split any type of wood, both very dry and wet.

### ✔ HIGH PRODUCTIVITY

With a cycle time of up to 2 seconds, kinetic log splitters are 5 to 7 times faster than their hydraulic counterparts. Hydraulic wood splitters can be equipped with an optional 4-way splitter wedge, which doubles their productivity. The splitter wedge is made of hardened steel welded into the frame, which can withstand heavy loads.

### ✔ RELIABILITY AND DURABILITY

Durable metal structure with anti-corrosion coating and high quality components allow a large amount of work to be done at a time as well as guarantee long-term and reliable operation of the machine.

### ✔ MAXIMUM SAFETY

The two-lever control system provides increased operator safety, with an optional protective metal grill protecting the operator from wood chips during the splitting process. Each log splitter comes complete with polycarbonate glasses, safety gloves, and ear muffs.



**KS 7THE 52/30**  
HYDRAULIC TYPE

**KS 8TKE 52/35**  
KINETIC TYPE

**KS 15TKG 52/35**  
KINETIC TYPE

**KS 27THG 65/55**  
HYDRAULIC TYPE

Voltage, V/Frequency, Hz	230/50	230/50	-	-
Engine power	2000 W	2000 W	6.5 HP	6.5 HP
Splitting force, ton	7	8	15	27
Engine type	electric	electric	gasoline	gasoline
Max. splitting length, mm	520	520	520	650
Max. splitting diameter, mm	300	350	350	550
Cutting time, sec.	~ 10	~ 2	~ 2	~ 15
Working position	horizontal	horizontal	horizontal	vertical/horizontal
Flywheel rotation speed, rpm	-	400	450	-
Winding type	copper	copper	-	-
Wheels	6"	8"	12"	16" * 4.8-8, support wheel with brake
Gross dimensions (LxWxH), mm	980x340x480	1320x400x680	1720x550x880	2240x1200x1200
Net weight, kg	47	110	97	230
Gross weight, kg	49	130	110	295
Protection class	IP54M	IP54M	IP54M	IP54M
Code QR				





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

- Compact and mobile Könner & Söhne electric log splitters are easy to operate, transport and store. Smooth operation allows safe splitting of logs, so that you have plenty of time to put in another log.

Electro type



**KS 7THE 52/30**



**7** TON **10** SEC CUTTING TIME  
HYDRAULIC SYSTEM

LOG SPLITTER TYPE	hydraulic
VOLTAGE/FREQUENCY	230 V/50 Hz
ENGINE POWER	2000 W
SPLITTING FORCE, TON	7 ton
ENGINE TYPE	electro
WINDING TYPE	copper
MAX. SPLITTING LENGTH	520 mm
MAX. SPLITTING DIAMETER	300 mm
CUTTING TIME	~ 10 sec.
WORKING POSITION	horizontal
WHEELS	6"
GROSS DIMENSIONS (LxWxH)	980x340x480 mm
NET/GROSS WEIGHT	47/49 kg

\* Log splitter comes complete with polycarbonate glasses, safety gloves, and ear muffs



### OPTIONAL ACCESSORIES

- Protective metal grill - KS 7T-PC
- 4-way splitter wedge KS 7T-BL
- K&S support bracket

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

Electro type



**KS 8TKE 52/35**



**8** TON **2** SEC CUTTING TIME  
KINETIC SYSTEM

LOG SPLITTER TYPE	kinetic
VOLTAGE/FREQUENCY	230 V/50 Hz
ENGINE POWER	2000 W
SPLITTING FORCE, TON	8 ton
ENGINE TYPE	electro
WINDING TYPE	copper
MAX. SPLITTING LENGTH	520 mm
MAX. SPLITTING DIAMETER	350 mm
CUTTING TIME	~ 2 sec.
WORKING POSITION	horizontal
FLYWHEEL ROTATION SPEED	400 rpm.
WHEELS	8"
GROSS DIMENSIONS (LxWxH)	1320x400x680 mm
NET/GROSS WEIGHT	110/130 kg

\* Log splitter comes complete with polycarbonate glasses, safety gloves, and ear muffs



### OPTIONAL ACCESSORIES

- Protective metal grill - KS 8T-PC

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

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

Gasoline type



**KS 15TKG 52/35**



**15** TON **2** SEC CUTTING TIME KINETIC SYSTEM

<b>LOG SPLITTER TYPE</b>	<b>kinetic</b>
<b>ENGINE POWER</b>	<b>6.5 hp</b>
<b>SPLITTING FORCE</b>	<b>15 ton</b>
<b>ENGINE TYPE</b>	<b>gasoline</b>
<b>MAX. SPLITTING LENGTH</b>	<b>520 mm</b>
<b>MAX. SPLITTING DIAMETER</b>	<b>350 mm</b>
<b>CUTTING TIME</b>	<b>~ 2 sec.</b>
<b>WORKING POSITION</b>	<b>horizontal</b>
<b>FLYWHEEL ROTATION SPEED</b>	<b>450 rpm</b>
<b>FUEL TANK VOLUME</b>	<b>3.6 l</b>
<b>WHEELS</b>	<b>12"</b>
<b>GROSS DIMENSIONS (LxWxH)</b>	<b>1720x550x880 mm</b>
<b>NET/GROSS WEIGHT</b>	<b>97/110 kg</b>



\* Log splitter comes complete with polycarbonate glasses, safety gloves, and ear muffs

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

Gasoline type



**KS 27THG 65/55**



**27** TON **15** SEC CUTTING TIME HYDRAULIC SYSTEM

<b>LOG SPLITTER TYPE</b>	<b>hydraulic</b>
<b>ENGINE POWER</b>	<b>6.5 hp</b>
<b>SPLITTING FORCE</b>	<b>27 ton</b>
<b>ENGINE TYPE</b>	<b>gasoline</b>
<b>MAX. SPLITTING LENGTH</b>	<b>650 mm</b>
<b>MAX. SPLITTING DIAMETER</b>	<b>550 mm</b>
<b>CUTTING TIME</b>	<b>~ 15 sec.</b>
<b>WORKING POSITION</b>	<b>vertical/horizontal</b>
<b>FUEL TANK VOLUME</b>	<b>3.6 cm3</b>
<b>WHEELS</b>	<b>16"*4.8-8, support wheel with brake</b>
<b>GROSS DIMENSIONS (LxWxH)</b>	<b>2240x1200x1200 mm</b>
<b>NET/GROSS WEIGHT</b>	<b>260/295 kg</b>



\* Log splitter comes complete with polycarbonate glasses, safety gloves, and ear muffs

**OPTIONAL ACCESSORIES:**

- Protective metal grill - KS 27T-PC
- 4-way splitter wedge KS 27T-BL



# WOOD CHIPPERS SHREDDERS

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

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



**ENGINE POWER**  
6.5 – 15 HP



**ENGINE START**  
MANUAL OR ELECTRIC



**CHIP EJECTION HEIGHT**  
1100 – 1600 MM



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

Outlet hopper with adjustable  
ejection height

Additional protective  
screen for burn protection



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

Robust, stable frame structure

Tow bar for vehicle

Large feed hopper for easy feeding  
of material to be shredded

Emergency stop button  
(for model KS 700WS)

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

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

Pneumatic wheels  
for easy transport

Stiffener

**WASTE RECYCLING**  
**SAVES NATURAL RESOURCES**



## WOOD CHIPPERS SHREDDERS

Gasoline wood chippers shredders from “Könner & Söhnen” are designed for chipping / shredding various industrial wood waste and garden plant waste (branches, vines, bark, etc.) into re wood chips or industrial chips of 10-20 mm in size. The resulting chips can be used as heating fuel in solid fuel and pyrolysis boilers, replaces, furnaces and other heating devices. In addition, chips can be used as a mulching material for plants. Wood chippers shredders are equipped with high-speed hardened carbon steel blades that can process all types of wood and other plant waste from dry material up to fresh wood waste up to 120 mm in diameter.

- ✔ **TWO HIGH-SPEED HARDENED CARBON STEEL BLADES**  
 Effectively process all types of wood and other plant waste from dry material up to fresh wood waste up to 120 mm in diameter.
- ✔ **HIGH-PERFORMANCE PROPRIETARY ENGINE**  
 Cutting edge gasoline engines meet all European quality standards, including EURO V.
- ✔ **MANEUVERABILITY IN TRANSPORTATION AND STABILITY IN USE**  
 The machine's low center of gravity makes this device stable and easy to maneuver despite its weight.
- ✔ **EASY MOVEMENT**  
 Shredders are equipped with pneumatic wheels for easy movement even on uneven surfaces, for example, on gravel or soil
- ✔ **HIGH-PERFORMANCE MODEL**  
 The massive structure of the KS 700WS wood chipper shredder and the extremely efficient 420 cm<sup>3</sup> 15 hp engine make this device extremely reliable, robust, durable and ready for continuous use.





## MAXIMUM SAFETY AND COMFORTABLE USE ARE GUARANTEED BY:

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



### Wood chippers shredder

## KS 500WS



<b>ENGINE POWER</b>	<b>6.5 hp</b>
<b>ENGINE START</b>	<b>manual</b>
<b>NUMBER OF CUTTING BLADES</b>	<b>2 pcs.</b>
<b>MAX. CHIPPING CAPACITY</b>	<b>76 mm</b>
<b>CHIP EJECTION HEIGHT</b>	<b>1100 mm</b>
<b>SHREDDED CHIP SIZE</b>	<b>10-15 mm</b>
<b>MAX. BLADE SPEED</b>	<b>3000 rpm.</b>
<b>ENGINE TYPE</b>	<b>gasoline</b>
<b>ENGINE CYLINDER VOLUME</b>	<b>196 cm<sup>3</sup></b>
<b>ENGINE MODEL</b>	<b>KS 230</b>
<b>ENGINE SPEED</b>	<b>3600 rpm.</b>
<b>FUEL TANK VOLUME</b>	<b>3.6 l</b>
<b>FUEL TANK VOLUME</b>	<b>0.6 cm<sup>3</sup></b>
<b>WHEELS</b>	<b>12"</b>
<b>NET DIMENSIONS (LxWxH)</b>	<b>880x480x760 mm</b>
<b>NET WEIGHT</b>	<b>95 kg</b>



Wood chippers shredders come complete with polycarbonate glasses, gloves, and headphones.



### Wood chippers shredder

## KS 700WS



<b>ENGINE POWER</b>	<b>15 hp</b>
<b>ENGINE START</b>	<b>manual/electro</b>
<b>NUMBER OF CUTTING BLADES</b>	<b>2 pcs.</b>
<b>MAX. CHIPPING CAPACITY</b>	<b>120 mm</b>
<b>CHIP EJECTION HEIGHT</b>	<b>1600 mm</b>
<b>SHREDDED CHIP SIZE</b>	<b>10-20 mm</b>
<b>MAX. BLADE SPEED</b>	<b>3000 rpm.</b>
<b>ENGINE TYPE</b>	<b>gasoline</b>
<b>ENGINE CYLINDER VOLUME</b>	<b>420 cm<sup>3</sup></b>
<b>ENGINE MODEL</b>	<b>KS 440</b>
<b>ENGINE SPEED</b>	<b>3600 rpm.</b>
<b>FUEL TANK VOLUME</b>	<b>6.5 l</b>
<b>FUEL TANK VOLUME</b>	<b>1.1 cm<sup>3</sup></b>
<b>WHEELS</b>	<b>16"</b>
<b>NET DIMENSIONS (LxWxH)</b>	<b>1140x660x1120 mm</b>
<b>NET WEIGHT</b>	<b>210 kg</b>



Wood chippers shredders come complete with polycarbonate glasses, gloves, and headphones.

## WOOD CHIPPERS SHREDDERS



**ENGINE POWER**  
6.5 – 15 HP



**CHIP EJECTION HEIGHT**  
1100–1600 MM





**ENGINE START**  
MANUAL/ELECTRIC



KS 500WS



KS 700WS

Engine power, hp	6.5	15
Engine start	manual	manual/electro
Number of cutting blades, pcs.	2	2
Max. chipping capacity, mm	76	120
Chip ejection height, mm	1100	1600
Shredded chip size, mm	10–15	10–20
Max. Blade Speed, rpm	3000	3000
Engine type	gasoline 4 stroke	gasoline 4 stroke
Engine cylinder volume, cm <sup>3</sup>	196	420
Engine model	KS 230	KS 440
Engine speed, rpm	3600	3600
Crank case volume, l	3.6	6.5
Fuel tank volume, l	0.6	1.1
Wheels	12"	16"
Gross dimensions (LxWxH), mm	1500x740x1300	2550x1100x1600
Net dimensions (LxWxH), mm	880x480x760	1140x660x1120
Net/Gross weight, kg	95/110	210/230
Protection class	IP54M	IP54M
Code QR		



100%  
QUALITY  
CONTROL





# WATER PUMPS

Dimax Int. GmbH (Germany) expands its range of gasoline motor pumps and presents an updated line of motor pumps from Könner & Söhnen with a wider field of application. The new season boasts two brand new pump models - for heavily contaminated water and aggressive liquids (sea water, chemicals) - as well as improved existing models. All motor pumps from TM "Könner & Söhnen" now feature a reinforced steel frame for Heavy-Duty operations, increased service life and more powerful engines.

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 require no power supply and therefore can be used in places remote from stationary outlets.

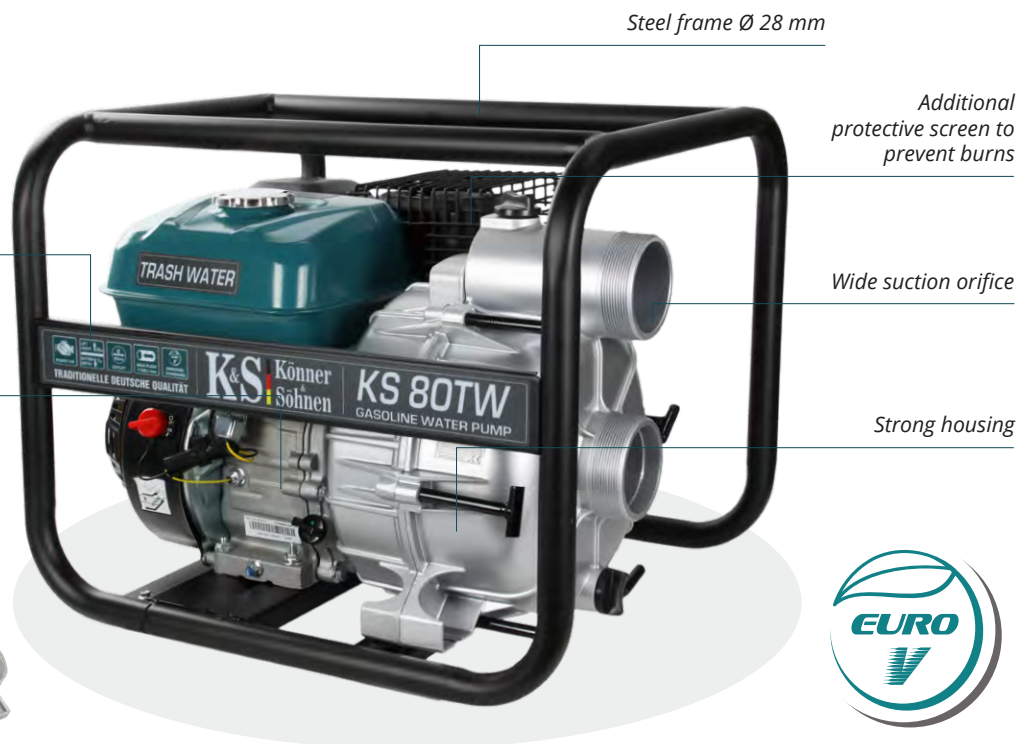
**In the new season, we have updated the range of existing motor pumps and added new models:**

- ✔ for clean water
- ✔ for waste water
- ✔ for aggressive liquids (sea water, chemicals)

Reinforced frame construction for Heavy Duty tasks

Powerful and economic engine TM Könner & Söhnen

## ADDITIONAL ACCESSORIES



**RELIABLE BRANDED ENGINES**

The engines used in the pumps «Könner & Söhnen» are manufactured under the strict control of German engineers, including the latest EURO V emission standards.



**INDIVIDUAL SERIAL NUMBER ON ENGINES**

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



**EQUIPMENT**

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



**DAMPERS TO LOWER VIBRATION**

All models of the 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.

## WATERPUMPS

The range of motor pumps from German TM Könnert & Söhne includes models to meet any consumer needs. These devices are suitable not only for private needs, but also for maintenance of industrial facilities, they are used for irrigation of land, watering of fields, drinking water supply, pumping out water from swimming pools and flooded basements, elimination of consequences of disaster, liquidation of floods and many other things.

### MOTOR PUMPS FOR HEAVILY CONTAMINATED WATER

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



## KS 80MW

<b>TYPE OF WATER PUMP</b>	<i>for waste water</i>
<b>DIAMETER OF INLET PIPE</b>	<b>80 mm</b>
<b>MAXIMAL PRODUCTIVITY</b>	<b>1000 l/min</b>
<b>NOMINAL SPEED</b>	<b>3600 rpm</b>
<b>MAXIMAL HEIGHT OF LIFTING</b>	<b>20 m</b>
<b>MAXIMAL DEPTH OF SUCTION</b>	<b>7 m</b>
<b>ENGINE TYPE</b>	<i>gasoline 4-stroke</i>
<b>ENGINE MODEL</b>	<b>KS 280</b>
<b>ENGINE POWER</b>	<b>9 HP</b>
<b>ENGINE VOLUME</b>	<b>269 cm<sup>3</sup></b>
<b>ENGINE START</b>	<b>manual</b>
<b>FUEL TANK VOLUME</b>	<b>6 l</b>
<b>NET WEIGHT</b>	<b>60 kg</b>



### MOTOR PUMPS FOR CHEMICALS LIQUIDS (SEA WATER, CHEMICALS)

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



## KS 80CW

<b>TYPE OF WATER PUMP</b>	<i>for chemicals liquids (sea water, chemicals)</i>
<b>DIAMETER OF INLET PIPE</b>	<b>80 mm</b>
<b>MAXIMAL PRODUCTIVITY</b>	<b>1000 l/min</b>
<b>NOMINAL SPEED</b>	<b>3600 rpm</b>
<b>MAXIMAL HEIGHT OF LIFTING</b>	<b>26 m</b>
<b>MAXIMAL DEPTH OF SUCTION</b>	<b>7 m</b>
<b>ENGINE TYPE</b>	<i>gasoline 4-stroke</i>
<b>ENGINE MODEL</b>	<b>KS 250</b>
<b>ENGINE POWER</b>	<b>7 HP</b>
<b>ENGINE VOLUME</b>	<b>212 cm<sup>3</sup></b>
<b>ENGINE START</b>	<b>manual</b>
<b>FUEL TANK VOLUME</b>	<b>3.6 l</b>
<b>NET WEIGHT</b>	<b>28 kg</b>







**FOR CLEAN/  
DIRTY WATER**



**MAX. LIFTING HEIGHT  
20 – 70 M**



**KS 50**



**KS 80**



**KS 50HP**

Type of water pump	for clean water	for clean water	high-pressure
Diameter of inlet/outlet pipe, mm	50/50	80/80	50/40, 50, 40
Max. productivity, l/min	500	1000	500
Nominal flowrate, prn	3600	3600	3600
Max. lifting height, m	28	28	50
Max. suction depth, m	7	7	7
Engine type/Engine model	gasoline 4-stroke/KS 200	gasoline 4-stroke/KS 200	gasoline 4-stroke/KS 250
Engine power, hp	6.5	6.5	7.0
Engine volume, cm <sup>3</sup>	196	196	212
Engine start	manual		
Fuel tank volume, l	3.6	3.6	3.6
Noise level LPA (7m)/LWA, dB	79/104	79/104	79/104
Dimensions (WxLxH), mm	510x440x440	510x440x440	495x445x445
Net/Gross weight, kg	24/26	26/28	29/31
Code QR			



TM Könnner & Söhnen engines are reliable, high-performance and cost-effective, and conform to European quality standards, including the latest Euro V emission standard.



**KS 80MW**



**KS 80TW**



**KS 80CW**

Type of water pump	for waste water	for dirty water	for chemicals liquids (sea water, chemicals)
Diameter of inlet/outlet pipe, mm	80/80	80/80	80/80
Max. productivity, l/min	1000	1100	1000
Nominal flowrate, prn	3600	3600	3600
Max. lifting height, m	20	26	26
Max. suction depth, m	7	7	7
Engine type/Engine model	gasoline 4-stroke/KS 280	gasoline 4-stroke/KS 250	gasoline 4-stroke/KS 250
Engine power, hp	9.0	7.0	7.0
Engine volume, cm <sup>3</sup>	269	212	212
Engine start	manual		
Fuel tank volume, l	6.0	3.6	3.6
Noise level LPA (7m)/LWA, dB	79/104	79/104	79/104
Dimensions (WxLxH), mm	725x540x600	540x470x450	605x435x480
Net/Gross weight, kg	60/63	35/37	28/30
Code QR			

# K&S ACCESSORIES

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

Moisture-resistant and dustproof generator cover

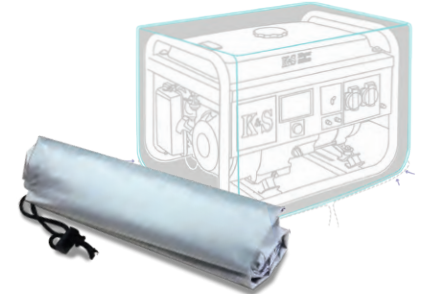


## KS Cover 10

**DIMENSIONS**

**60x49x47 cm**

For all modifications of gasoline generators series **KS 3000**.



Moisture-resistant and dustproof generator cover



## KS Cover 20

**DIMENSIONS**

**74x65x55 cm**

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

- ✓ 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



## Könnert & Söhne 10W-30

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

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

**VOLUME:**

**1 l**

Product quality class: **API SL/CF**      Class of viscosity: **SAE 10W-30**



Transmission oil



## KS GEAR OIL 80W-90

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

**VOLUME:**

**1 l**

Product quality class: **API GL-5**      Class of viscosity: **SAE 80W-90**



Fuel can



## KS CAN 5

**SIZES**

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

Special anti-static plastic  
Capacity - **5 l**

Fuel can



## KS CAN 5

**SIZES**

**33x16.5x30 cm**

Special anti-static plastic  
Capacity - **10 l**





## Automatic battery charger



### KS B1A

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

RATED OUTPUT VOLTAGE	6V DC direct current	12V DC direct current
Maximum input power	21W	
Rated output voltage	7.2V DC+/-0.2V	14.4V DC+/-0.2V
Rated output current	1A	1A
Rated input voltage	220V AC-240V AC/50Hz/60Hz	
Operating temperature, C°	(-10) – (+40)	
Storage temperature, C°	(-30) – (+60)	
Dimensions, cm	12.5x6.90x7.20	
Weight, kg	0.20	



Automatic charger has protection from:

- overheating
- short circuit
- reversed polarity;
- overcharging of a battery

## Protective kit



### KS PRS-1

Polycarbonate glasses - 1 pc



## Gloves



### KS Gloves L

- 100% leather
- Reliable protection against mechanical damage



## Cap

### Cap 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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