

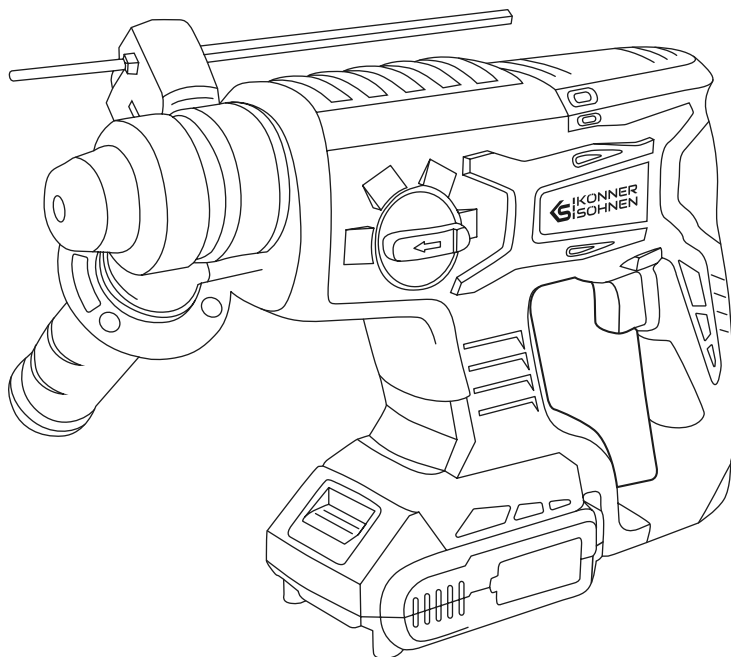
**Please, read this manual
carefully before use!**

User Manual



Cordless rotary hammer

KS RH20V-22-4





Thank you for choosing **Könnér & Söhnen®** products. This manual contains a brief description of safety, setup and use. More information can be found on the official importer's website in the support section: **konner-sohnen.com/pages/instructions**

You can also go to the support section and download the manual by scanning the QR code or on the website of the official importer of **Könnér & Söhnen®** at **www.konner-sohnen.com**



Please, read this manual carefully before use!

The manufacturer of **Könnér & Söhnen®** products reserves the right to make changes that may not be reflected in this manual, namely:

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

Contact information that you are free to use in case of any problems can be found at the end of this manual. All information in this user manual is up-to-date as of the time of publication. The current list of service centers can be found on the official importer's website at **www.konner-sohnen.com**



ATTENTION – DANGER!



Failure to follow the recommendations marked with this sign may lead to serious injury or death of the operator or third parties.



IMPORTANT!



Useful information while operating the machine.

IMPORTANT SAFETY INFORMATION

1

GENERAL POWER TOOL SAFETY WARNINGS



WARNING!



Failure to follow these instructions may result in damage to the product, other materials, or the surrounding area.

WORK AREA SAFETY

- Keep work area clean and well lit. Clutter or darkness in the work area can cause accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks, which may ignite the dust or fumes.
- Keep children and bystanders away while operating the power tool. Distractions can lead to loss of control over the tool.

ELECTRICAL SAFETY

- Avoid body contact with grounded surfaces such as pipes, radiators, stoves, and refrigerators. Contact with grounded surfaces increases the risk of electric shock.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

PERSONAL SAFETY

- Stay alert, watch what you are doing, and use common sense when operating the power tool. Do not use the power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.

- Use personal protective equipment. Always wear eye protection. Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.
- Prevent unintentional starting. Ensure the switch is in the off-position before connecting to a power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energizing power tools that have the switch on increases the risk of accidents.
- Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- Do not overexert yourself. Always maintain your balance. This enables better control of the power tool in unexpected situations.
- Dress appropriately. Do not wear loose clothing or jewellery. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.

POWER TOOL USE AND CARE

- Do not force the power tool to work beyond its limits. Use the appropriate tool for your task. A properly selected tool works more efficiently and safely within the limits it was designed for.
- Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- Store idle power tools out of the reach of children, and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
- Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.
- Keep handles and gripping surfaces dry, clean and free from oil and grease. Slippery handles and gripping surfaces make it difficult to safely control the tool in unexpected situations.

BATTERY TOOL USE AND CARE

- Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- When the battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
- Do not use damaged or modified battery packs or tools. Damaged or modified batteries may behave unpredictably, which can lead to fire, explosion, or injury.
- Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions. Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

IMPORTANT SAFETY INSTRUCTIONS FOR BATTERY CARTRIDGE

- Before using battery cartridge, read all instructions and cautionary markings on battery charger, battery, and product using the battery.
- Do not disassemble the battery cartridge.
- If operating time has become excessively shorter, stop operating immediately. It may result in a risk of overheating, possible burns and even an explosion.
- If electrolyte gets into your eyes, rinse them out with clean water and seek medical attention right away. It may result in loss of eyesight.

- Do not short-circuit the battery cartridge:
 - 1. Do not touch the terminals with any conductive material.
 - 2. Avoid storing the battery cartridge in a container with other metal objects such as nails, coins, etc.
 - 3. Do not expose the battery cartridge to water or rain.
- A battery short-circuit can cause a large current flow, overheating, possible burns and even a breakdown.
- Do not store the tool and battery cartridge in locations where the temperature may reach or exceed 50 °C (122 °F).
 - Do not incinerate the battery cartridge even if it is severely damaged or is completely worn out. The battery cartridge can explode in a fire.
 - Be careful not to drop or strike the battery.
 - Do not use a damaged battery.

TIPS FOR MAINTAINING MAXIMUM BATTERY LIFE

- Charge the battery cartridge before it is completely discharged. Always stop tool operation and charge the battery cartridge when you notice a decrease in the tool power.
- Never recharge a fully charged battery cartridge. Overcharging shortens the service life of the battery.
- Charge the battery cartridge at a room temperature of 10 °C – 40 °C (50 °F – 104 °F). Let a hot battery cartridge cool down before charging it.
- Charge the battery cartridge every six months if you do not use it for a long period of time.

SERVICE

- Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.
- Never service damaged BATTERY packs. Service of BATTERY packs should only be performed by the manufacturer or authorized service providers.
- Follow instruction for lubricating and changing accessories.

CORDLESS ROTARY HAMMER SAFETY WARNINGS

2

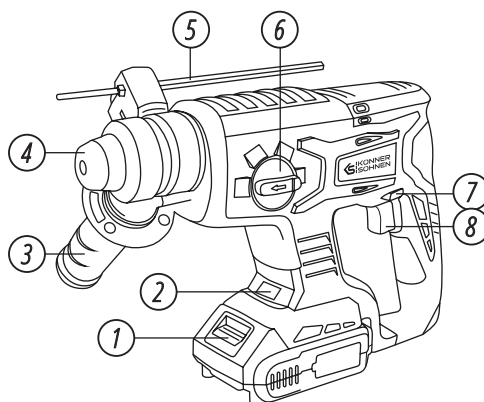
- Wear ear protectors. Exposure to noise can cause hearing loss.
- Use auxiliary handle(s), if supplied with the tool. Loss of control can cause personal injury.
- Hold the power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring. Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
- Wear a hard hat (safety helmet), safety glasses and/or face shield. Ordinary eye or sunglasses are NOT safety glasses. It is also highly recommended that you wear a dust mask and thickly padded gloves.
- Be sure the bit is secured in place before operation.
- Under normal operation, the tool is designed to produce vibration. The screws can come loose easily, causing a breakdown or accident. Check tightness of screws carefully before operation.
- In cold weather or when the tool has not been used for a long time, let the tool warm up for a while by operating it under no load. This will loosen up the lubrication. Without proper warm-up, hammering operation is difficult.
- Always be sure you have a firm footing. Make sure no one is underneath when using the tool in high locations.
- Hold the tool firmly with both hands.
- Keep hands away from moving parts.
- Do not leave the tool running. Operate the tool only when hand-held.
- Do not point the tool at anyone in the area when operating. The bit could fly out and injure someone seriously.
- Do not touch the bit, any parts close to the bit, or workpiece immediately after operation; they may be extremely hot and could burn your skin.
- Some materials contain chemicals which may be toxic. Take caution to prevent dust inhalation and skin contact. Follow material supplier safety data.

	Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.
	Warning! Risk of cutting injury. Keep your hands and feet away.
	Wear personal protective equipment. Basically, wear protective goggles or, even better, face protection, safety helmet, safety gloves.
v	Volts
	Direct current
n₀	No load speed
.../min r/min	Revolutions or reciprocating strokes per minute.
	Number of blows.
CE	This power tool complies with applicable European directives.
	Electrical appliances must not be disposed of with the domestic waste.

MAIN OVERVIEW

4

1. Battery release button
2. LED light
3. Auxiliary handle
4. SDS+ chuck type
5. Plastic depth ruler
6. Operating mode switch
7. Forward and reverse button
8. Switch button



PACKAGE CONTENT LIST

- 20V Lithium Battery
- Charger for 20V Lithium Battery
- Additional keyless drill chuck



IMPORTANT!



The manufacturer reserves the right to make changes and/or improvements to the design, components, and technical specifications without notice or incurring obligation. The pictures in this manual are schematic and may not match the parameters of original product.

SPECIFICATIONS

5

Model		KS RH20V-22-4
Rated voltage		DC 20V
Battery and charger		+
Drilling diameter	Concrete	22 mm
	Steel	13 mm
	Wood	28 mm
No load speed (RPM)		0 - 1400/min
Blows per minute		0 - 4,500/min
Impact force		2J
Motor type		brushless motor
Gross/Net dimensions (L×W×H)		300×65×200/290×75×190 mm
Net weight		2 kg

ASSEMBLY

6



WARNING!



Always make sure that the tool is switched off and the battery cartridge is removed before carrying out any work on the tool.

SIDE GRIP

Fig. 1



WARNING!

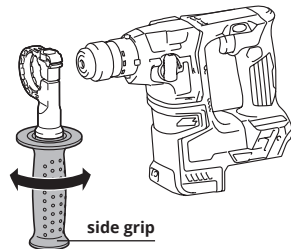


- Always use the side grip to ensure safe operation.
- After installing or adjusting the side grip, make sure that the side grip is firmly secured.

Install the side grip so that the grooves on the grip fit into the protrusions on the tool barrel. Turn the grip clockwise to secure it. The grip can be fixed at desired angle (fig. 1).

GREASE

Coat the shank end of the drill bit beforehand with a small amount of grease (about 0.5 - 1 g). This chuck lubrication ensures smooth action and longer service life (fig. 2).



INSTALLING OR REMOVING DRILL BIT

Clean the shank end of the drill bit and apply grease before installing the drill bit.

Insert the drill bit into the tool. Turn the drill bit and push it in until it engages (fig. 3).

After installing the drill bit, always make sure that the drill bit is securely held in place by trying to pull it out. To remove the drill bit, pull the chuck cover down all the way and pull the drill bit out (fig. 4).

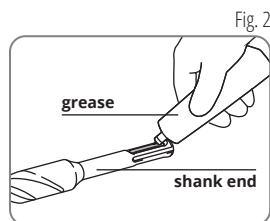


Fig. 2

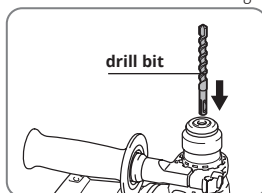


Fig. 3

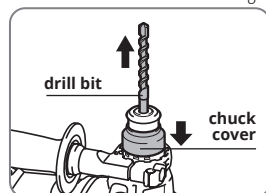


Fig. 4

DEPTH GAUGE

The depth gauge is convenient for drilling holes of uniform depth. Loosen the side grip and insert the depth gauge into the hole on the side grip. Adjust the depth gauge to the desired depth and tighten the side grip firmly.

NOTE

Make sure that the depth gauge does not touch the main body of the tool when attaching it.

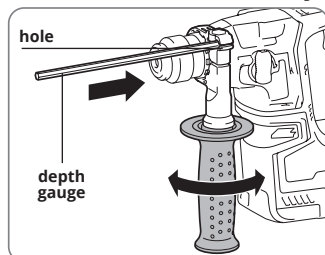


Fig. 5

FUNCTIONAL DESCRIPTION

7



WARNING!



Always make sure that the tool is switched off and the battery cartridge is removed before adjusting or checking function on the tool.

INSTALLATION AND REMOVAL OF THE BATTERY



ATTENTION – DANGER!



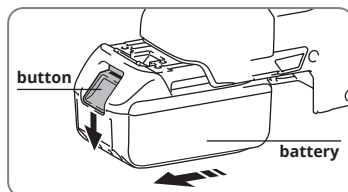
Make sure the battery is properly installed. If it is not securely fixed, it may cause injury.



WARNING!



Do not use force to attach the battery. If it is not easy to attach, it is not correctly aligned.

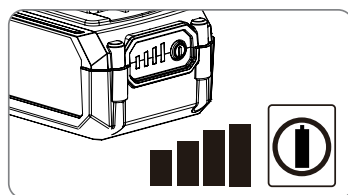


To attach the battery

1. Align the battery to the slots in the casing.
2. Push the battery in until it clicks into place.

To remove the battery

1. Press the button on the front of the battery.
2. Pull the battery out from the battery port.



INDICATING THE REMAINING BATTERY CAPACITY

Press the check button on the battery cartridge to indicate the remaining battery capacity. The indicator lamps light up for a few seconds.

Indicator lamps			Remaining capacity
Lighted 	Off 	Blinking 	
	   		75% to 100%
	   		50% to 75%
	   		25% to 50%
	   		0% to 25%
	   		Charge the battery



NOTE



Depending on the conditions of use and the ambient temperature, the indication may differ slightly from the actual capacity.

TOOL / BATTERY PROTECTION SYSTEM

The tool is equipped with a tool/battery protection system. This system automatically cuts off power to the motor to extend the life of the tool and battery. The tool will automatically stop during operation if any of the following conditions occur with the tool or battery:

Overload protection

If the tool consumes too much current, it automatically shuts down. In this case, turn the tool off and stop the operation that caused the tool to become overloaded. Then turn the tool on to restart.

Overheat protection

When the tool/battery is overheated, the tool stops automatically. In this situation, let the tool/battery cool down before turning the tool on again.

Overdischarge protection

When the battery capacity is not enough, the tool stops automatically. In this case, remove the battery and recharge it.

SWITCH ACTION



WARNING!



Before installing the battery cartridge into the tool, always check to see that the switch trigger actuates properly and returns to the "OFF" position when released.

To start the tool, simply pull the switch trigger (fig. 6). Tool speed is increased by increasing pressure on the switch trigger. Release the switch trigger to stop.

Fig. 6

LIGHTING UP THE FRONT LAMP (FIG. 7)



ATTENTION – DANGER!



Do not look at the lamp or directly at the light source.

Pull the switch trigger to light up the lamp. The lamp keeps on lighting while the switch trigger is being pulled. The lamp goes out approximately 10 seconds after releasing the switch trigger.

Fig. 7



NOTE



Use a dry cloth to wipe the dirt off the lens of the lamp. Be careful not to scratch the lens of the lamp, or it may lower the illumination.



switch trigger



switch trigger
lamp

REVERSING SWITCH ACTION



WARNING!



Always check the direction of rotation before operation.



WARNING!



Use the reversing switch only after the tool comes to a complete stop. Changing the direction of rotation before the tool stops may damage the tool.



WARNING!



When not operating the tool, always set the reversing switch lever to the neutral position.

This tool has a reversing switch to change the direction of rotation. Depress the reversing switch lever from the A side for clockwise rotation or from the B side for counterclockwise rotation.

When the reversing switch lever is in the neutral position, the switch trigger cannot be pulled.

SELECTING THE ACTION MODE



NOTE



Do not rotate the action mode changing knob when the tool is running. The tool will be damaged.



NOTE



To avoid rapid wear on the mode change mechanism, be sure that the action mode changing knob is always positively located in one of the action mode positions.

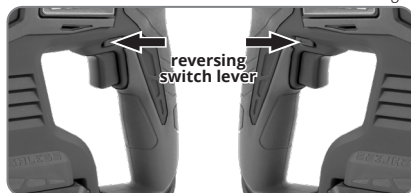


Fig. 8

ELECTRIC BRAKE

This tool is equipped with an electric brake. If the tool consistently fails to quickly stop after the switch trigger is released, have the tool serviced at a service center.

Drilling with hammering

For drilling in concrete, masonry, etc., rotate the action mode changing knob to the symbol . Use a carbide-tipped drill bit (fig. 9).

Drilling

For drilling in wood, metal or plastic materials, rotate the action mode changing knob to the  symbol. Use a twist drill bit or wood drill bit (fig. 10).

Chiselling

For chipping, scaling or demolition operations, rotate the action mode by changing the knob to the  symbol. Use a bull point, cold chisel, scaling chisel, etc.

Hammer

In this mode , the chisel bit is locked in a fixed position, preventing it from rotating. This mode is particularly useful for shaping materials because it gives you greater control over where and how the chisel makes contact.

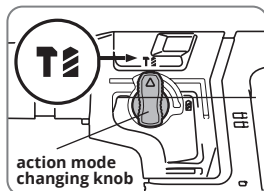


Fig. 9

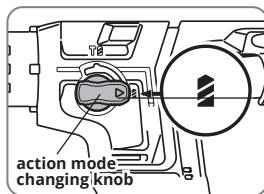


Fig. 10

OPERATION

8



WARNING!



Always use the side grip (auxiliary handle) and firmly hold the tool by both side grip and switch handle during operation.



WARNING!



Always make sure that the workpiece is secured before operation.



NOTE



If the battery cartridge is in low temperature, the tool may not perform at full capacity. In this case, warm up the battery cartridge by using the tool with no load for a while to fully obtain the tool's capability.

HAMMER DRILLING OPERATION



ATTENTION – DANGER!

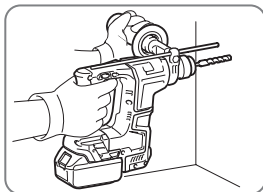


There is a tremendous and sudden twisting force exerted on the tool/drill bit at the time of the hole breakthrough, when the hole becomes clogged with chips and particles, or when striking reinforcing rods embedded in the concrete. Always use the side grip (auxiliary handle) and firmly hold the tool by both the side grip and the switch handle during operations. Failure to do so may result in the loss of control of the tool and potentially severe injury.

Set the action mode changing knob to the  symbol. Position the drill bit at the desired location for the hole, then pull the switch trigger. Do not force the tool. Light pressure gives best results. Keep the tool in position and prevent it from slipping away from the hole.

Do not apply more pressure when the hole becomes clogged with chips or particles. Instead, run the tool at an idle, then remove the drill bit partially from the hole.

By repeating this several times, the hole will be cleaned out and normal drilling may be resumed.



NOTE



Eccentricity in the drill bit rotation may occur while operating the tool with no load. The tool automatically centers itself during operation. This does not affect the drilling precision.

DRILLING IN WOOD OR METAL



WARNING!



Hold the tool firmly and exert care when the drill bit begins to break through the workpiece. There is a tremendous force exerted on the tool/drill bit at the time the hole breakthrough.



WARNING!



A stuck drill bit can be removed simply by setting the reversing switch to reverse rotation in order to back out. However, the tool may back out abruptly if you do not hold it firmly.



WARNING!



Always secure workpieces in a vise or similar hold-down device.

Note:

- Never use "rotation with hammering" when the drill chuck is installed on the tool. The drill chuck may be damaged. Also, the drill chuck will come off when reversing the tool.
- Pressing excessively on the tool will not speed up the drilling. In fact, this excessive pressure will only serve to damage the tip of your drill bit, decrease the tool performance and shorten the service life of the tool.

Set the action mode changing knob to the  symbol. Attach the chuck adapter to a keyless drill chuck to which a 1/2"-20 size screw can be installed, and then install them to the tool. When installing it, refer to the section "Installing or removing drill bit".

MAINTENANCE AND STORAGE

9



ATTENTION – DANGER!



Stop the product and disconnect the power supply before you do maintenance.



WARNING!



To prevent damage to the surface of the product, do not use harsh detergents or abrasive cleaners.

STORAGE

- If the device is not going to be used for an extended period, remove the battery and store the device in a clean, dry place, out of reach of children and pets.
- Do not keep the product stored where the ambient temperature is less than 0 °C or more than 40 °C.

TRANSPORT

- Let the product come to a complete stop, become cool and remove the battery before you move the product.
- Use the handle when you lift or move the product.

TO CLEAN THE PRODUCT

- Clean the product with a soft and moist cloth if necessary.
- Keep the air vents free from debris.

DISPOSAL

Make sure to follow local regulations when disposing of the product. Electrical appliances must not be disposed of with the domestic waste.



SERVICING



WARNING!



Only approved personnel must do repairs on the product.

The power tool must only be serviced by qualified personnel using identical spare parts. This will ensure that the power tool remains safe to use.

WARRANTY SERVICE TERMS

10

Könnér & Söhnen warrants the original purchaser of **power tools and battery powered and electric garden tools to 2 year** limited warranty, excluding Lithium-ion batteries that come in a set. Lithium-ion batteries which come in a set with power/garden tools or sold separately are covered with it's own warranty, described below.

- The warranty for **lithium-ion batteries is 2 years**, provided the product is registered on the website of the official importer **<https://warranty.konner-sohnen.com>** within 30 days of purchase. Without registration, the warranty is 1 year.
- The warranty for **brushless motors is 5 years**, provided the product is registered on the official importer's website **<https://warranty.konner-sohnen.com>** within 30 days of purchase. Without registration, the warranty is 2 years.



**WARRANTY
REGISTRATION**



EC Declaration of Conformity

Nr. 246

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

Manufacturer: DIMAX INTERNATIONAL GmbH
Address: Flinger Broich 203, 40235 Duesseldorf, Germany
Product: Cordless rotary hammer "Könner & Söhnen"
Type / Model: KS RH20V-22-4

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

Applied EC Directives: 2006/42/EC Machinery Directive
2014/30/EC Electromagnetic compatibility Directive

Applied Standards: EN IEC 55014-1:2021
EN IEC 55014-2:2021
EN 62841-1: 2015+A11
EN IEC 62841-2-6: 2020+A11
IEC 62841-2-6:2020
IEC 62841-1:2014

2000/14/EC_2005/88/EC Annex VI

For model KS RH20V-22-4 noise guaranteed Lwa= 103 dB (A)



Issued Date:
Place of issue:
Director:

2025-08-18
Duesseldorf
Fomin P.

P. Fomin

DIMAX

International GmbH
Flinger Broich 203 40235 Düsseldorf
USt-ID DE296177274
koenner-soehnen.com

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

CONTACTS

Deutschland:

Hergestellt unter Lizenz und Kontrolle der DIMAX International GmbH.

Importeur und Vertreter in Deutschland:
DIMAX International GmbH Flinger Broich 203, 40235
Düsseldorf, Deutschland. Produziert in VRC.
amazon@dimaxgroup.com
www.konner-sohnen.com

European Union:

Manufactured under license and control of DIMAX International GmbH, Flinger Broich 203, 40235 Düsseldorf, Germany.

Importer and representative in Netherlands DIMAX International Poland Ltd, Południowa 8 st, 05-0830 Stara Wieś, Poland. Assembled in PRC.
amazon@dimaxgroup.com
www.konner-sohnen.com

The United Kingdom:

Innovation Trade Ltd., 63/66 Hatton Garden Fifth Floor, Suite 23, London, EC1N 8LE, info.uk@dimaxgroup.de
Technical support
support.uk@dimaxgroup.de
konner-sohnen.com.uk

France:

Fabrique sous licence et contrôle de DIMAX International GmbH, Flinger Broich 203, 40235 Düsseldorf, Allemagne.
Importateur et représentant en France et en Belgique
DIMAX International Poland Ltd, Południowa 8 st, 05-0830 Stara Wieś, Pologne. Assemblé en RPC.
amazon@dimaxgroup.com
www.konner-sohnen.fr

España:

Fabricado bajo licencia y control de DIMAX International GmbH, Flinger Broich 203, 40235 Düsseldorf, Alemania.
Importador y representante en España de DIMAX International Poland Ltd, Południowa 8 st, 05-0830 Stara Wieś, Polonia.
Ensamblado en la República Popular China.
amazon@dimaxgroup.com
www.konner-sohnen.es

Polska:

Wyprodukowano na licencji i pod kontrolą DIMAX International GmbH, Flinger Broich 203, 40235 Düsseldorf, Niemcy.
Importer i przedstawiciel w Polsce:
DIMAX International Poland Sp.z o. o. ul. Południowa 8, 05-0830 Stara Wieś, Polska. Zmontowany w CRL.
amazon@dimaxgroup.com
www.konner-sohnen.pl

Україна:

Виготовлено за ліцензією та під контролем DIMAX International GmbH, Flinger Broich 203, 40235 Дюссельдорф, Німеччина.
Імпортер та представник в Україні:
ТОВ "ТЕХНО ТРЕЙД КС" вул. Електротехнічна 47, 02232, м. Київ, Україна. Змонтовано в КНР
www.konner-sohnen.com.ua