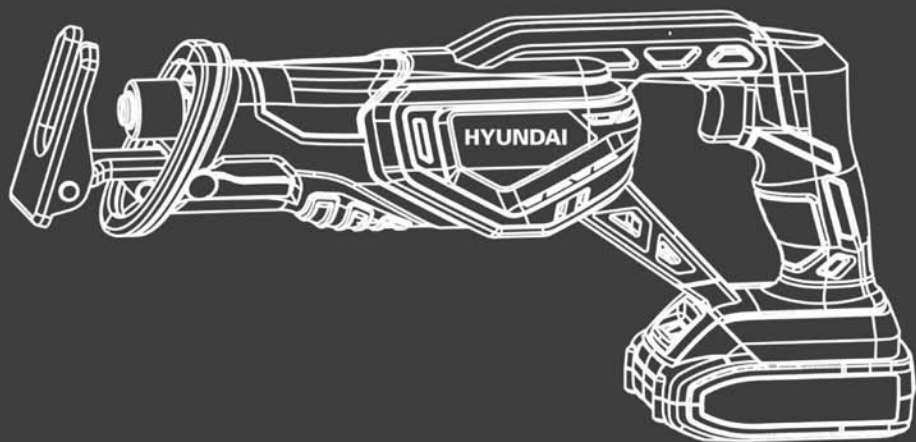


HYUNDAI
POWER PRODUCTS

Cordless Reciprocating saw

HSS20V26

ORIGINAL INSTRUCTIONS



1. SAFETY WARNINGS

⚠ WARNING Read all safety warnings and all instructions. *Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.*

Save all warnings and instructions for future reference. *The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.*

1) Work area safety

- a) **Keep work area clean and well lit.** *Cluttered or dark areas invite accidents.*
- b) **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.*
- c) **Keep children and bystanders away while operating a power tool.** *Distractions can cause you to lose control.*

2) Electrical safety

- a) **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** *Unmodified plugs and matching outlets will reduce risk of electric shock.*
- b) **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** *There is an increased risk of electric shock if your body is earthed or grounded.*
- c) **Do not expose power tools to rain or wet conditions.** *Water entering a power tool will increase the risk of electric shock.*
- d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** *Damaged or entangled cords increase the risk of electric shock.*
- e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** *Use of a cord suitable for outdoor use reduces the risk of electric shock.*
- f) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** *Use of an RCD reduces the risk of electric shock.*

3) Personal safety

- a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a 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.*
- b) **Use personal protective equipment. Always wear eye protection.** *Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.*
- c) **Prevent unintentional starting. Ensure the switch is in the off-position connecting to 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 invites accidents.*

d) **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.*

e) **Do not overreach. Keep proper footing and balance at all times.** *This enables better control of the power tool in unexpected situations.*

f) **Dress properly. 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.*

g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** *Use of dust collection can reduce dust-related hazards.*

4) Power tool use and care

a) **Do not force the power tool. Use the correct power tool for your application.** *The correct power tool will do the job better and safer at the rate for which it was designed.*

b) **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.*

c) **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.*

d) **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.*

e) **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.*

f) **Keep cutting tools sharp and clean.** *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.*

g) **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.*

5) Battery tool use and care

a) **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.*

b) **Use power tools only with specifically designated battery packs.** *Use of any other battery packs may create a risk of injury and fire.*

c) **When 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.*

d) **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** *Liquid ejected from the battery may cause irritation or burns.*

6) Service

a) **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.*

Hold 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*

SPECIFIC SAFETY RULES

- Do not stare at the tool with the blade touching any surface. The blade action will bounce the tool and may cause bodily injury.
- Allow the tool to come to a complete stop before putting it down. A running tool will jerk when the blade tip contacts any surface.
- Always wear safety glasses or goggles, normal prescription eye or sunglasses are not safety glasses.
- Do not cut oversized work pieces.
- Do not cut nails or screws unless you are using a blade specifically designed for this purpose. Inspect your material before cutting.
- Before switching on the tool, be sure that the blade is not contacting the work piece.
- Keep hands away from moving parts and on the top surface of the work piece. Do not place hands below work surface while saw is operating.
- Check your area for proper clearance before cutting. This will avoid cutting into your workbench, the floor, etc.

Residual risks

Even with use of the tool as described, it is impossible to eliminate all residual risk factors. The following hazards may be present in connection with the construction and design of the tool:

- Pulmonary lesions if an effective mask is not worn.
- Hearing damage if effective hearing protection is not worn.
- Body injuries caused by vibration emissions if the electrical appliance is used improperly or for a prolonged or poorly maintained period.

Intended use







This saw intended to be used for cutting wood with the provided blade; that includes plywood, panelling, composition board and hardwood.

Use this blade only for cutting wood. Cutting others material can create accidents and injuries.

Others type of blades can be used in this machine, such as blades for cutting drywall, plastics, metals, etc. You can purchase them in specialized stores. Use only accessories of same trademark and recommended. Ask advice to your retailer.

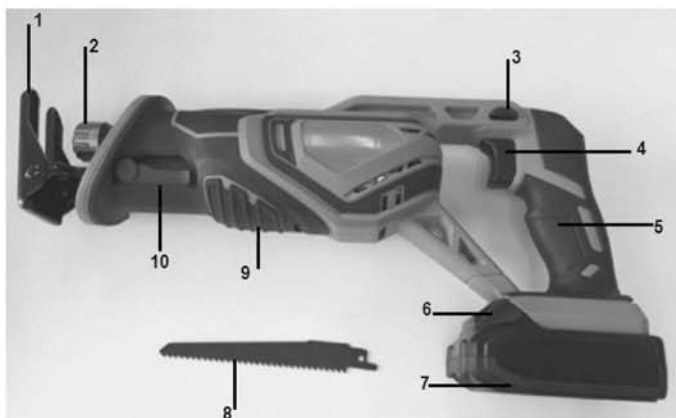
Do not use this tool for others purposes.

Explanation of symbols

	Conforms to relevant safety standards
	To reduce the risk of injury, the user must read and understand this manual before using this product.
	Wear ear protectors. Exposure to noise can cause hearing loss.
	Wear eye protection.
	Wear respiratory protection.
	Do not dispose of old appliances with domestic rubbish

2. YOUR PRODUCT

a. Description



1. Soleplate
2. Blade clamp and release mechanism
3. Lock-off button for ON/OFF switch

4. ON/OFF switch
5. Rear hand grip
6. Battery release catch
7. Battery pack
8. Wood cutting blade
9. Front hand grip
10. Soleplate locking lever

b. Technical data

Tension	20V d.c.
No load speed	0-3000/min
Sound power level	LwA: 92dB(A) K=3dB(A)
Sound pressure level	LpA: 81dB(A) K=3dB(A)
Vibration	Rear handle: 8,3m/s ² Front handle: 7,5m/s ² K= 1,5m/s ²

Information:

- The declared vibration total value has been measured in accordance with a standard test method and may be used for comparing one tool with another;
- The declared vibration total value may also be used in a preliminary assessment of exposure.

Warning:

- that the vibration emission during actual use of the power tool can differ from the declared total value depending on the ways in which the tool is used; and
- of the need to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

Wear hearing protection.

This tool is provided without battery and battery charger. Please buy a battery pack (battery + charger) from the same trademark of this tool. The recommended product is: HYUNDAI 20V LITHIUM ION BATTERY CHARGER. Do not use non recommended battery.

3. OPERATION

a. Charging

HYUNDAI range battery and charger are not sold together with this tool. You must buy separately these elements.

Battery has not been fully charged at the factory. Follow the instructions for charging before use.






Before using it for the first time, charge the battery for 60min to 130min. Insert the charger plug into the charging socket and plug the charger into a 230V/50Hz electrical outlet (check the electrical specifications of battery and the charger before use and read carefully the instruction manual for battery and charger).

Charge status

To display the amount of charge left on the battery, press the charge level indicator.



The battery is fully charged when the 4 indicators are illuminating.

Charge level indicator	Amount of charge remaining
	0-10%
	10-25%
	25-50%
	50-75%
	75-100%

b. Installation of the battery pack

Warning! Always remove the battery from the tool when assembling accessories, making adjustments, during transport or when the tool is not in use. Remove the battery will prevent accidental starting which could cause severe personal injury.

NOTE: To avoid serious personal injury, always remove the battery and keep your hands away from the lock button while transporting the tool.



- Slide the battery pack into the tool base until it clicks in position.
- Make sure that the battery cannot be removed.

Incorrect installation of the battery may damage internal components

c. Removing the battery pack

- Make sure that the forward/reverse switch is on its original position.
- Push and hold the battery release catch. Then slide the battery pack away from the tool.

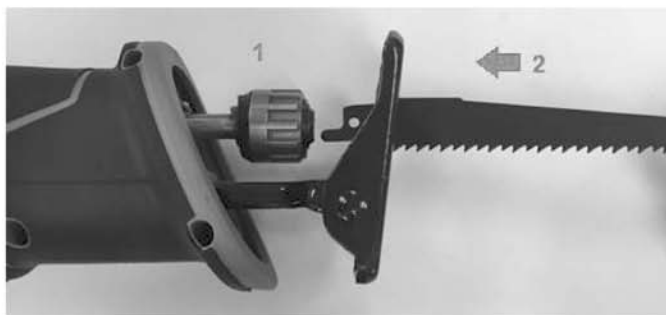


d. Installation of the blade

The product is provided with a blade, intended to be used for cutting wood. That includes plywood, panelling, composition board and hardwood. Use this blade only for cutting wood. Cutting others material can create accidents and injuries. Others type of blades can be used in this machine, such as blades for cutting drywall, plastics, metals, etc. You can purchase them in specialized stores. Use only accessories of same trademark and recommended. Ask advice to your retailer.

- Remove battery from the tool.

- Rotate and hold the release mechanism (1).
- Insert the blade inside the spindle (2).



- Release the release mechanism. Be sure that the blade is correctly fitted.

NOTE: The blade must be inserted with the teeth tuned downwards, the side with the hole must be inserted in the spindle. Failure to install the blade will cause damage, accidents and injuries.

e. Soleplate assembly adjustment

The soleplate can be adjusted to vary the depth of cut. To adjust:

- turn the soleplate locking lever downwards (1).
- Move the soleplate assembly to the desired position (2). Then move the soleplate locking lever upwards to lock it in place.



f. Starting and stopping

Press and hold the lock-off switch button (either on left side or right side). Push the ON/OFF trigger to start the operation. At this step you can release the lock-off button.

To stop the operation, release the ON/OFF trigger.

g. General cutting

Hold the saw firmly in front and clearly away from you. Make sure that the blade is clear of any foreign material. Be sure material to be cut is held firmly. Small workpiece should be securely clamped in vice or with clamps to the workbench or table. Mark the line of cut clearly. Depress the lock off button then pull the ON/OFF switch to start the cutting action. Place the base assembly against the workpiece, then move the blade into it. Do not force. Use only enough pressure to keep the saw cutting. Let the blade do the work. The use of excessive pressure that causes bending or twisting of the blade and may break it.

h. Plunge cutting

Mark the line of cut clearly. Choose a convenient starting point inside the area to be cut out and place the tip of the blade over that point. Rest the front edge of shoe assembly on the workpiece and hold firmly in position. Depress the lock off button then pull the ON/OFF trigger to start the cutting.

Make sure that blade does not touch work until motor reaches full speed, since this could cause loss of control resulting in serious injury.

With blade at full cutting speed, slowly tilt saw downward until the blade starts cutting. After blade penetrates the workpiece, tilt saw until blade is perpendicular to the workpiece.

WARNING: Blade longer than 15cm can whip and should not be used for plunge cutting. Failure to heed this warning can result in serious personal injury.

Cutting into electrical wiring can cause the blade, blade clamp and the saw assembly to become electrically live. Do not touch metal part parts when cutting into a wall. Grasp only the insulated surfaces on the tool. make sure the hidden electrical wiring, water pipes, and mechanical hazards are not in the blade path when cutting into a wall.

i. Metal cutting

You may cut metal such as sheet steel, pipe, steel rod, aluminium, brass and copper with this tool by using the appropriate cutting blade (do not use the provided blade but buy a blade for metal cutting matching with this tool).

When metal cutting:

- Do not twist or bend the blade
- Do not force the tool and use a slow speed setting
- Use a cutting oil when cutting soft metal and steel. Cutting oil also keeps the blade cool, increases cutting action and prolongs blade life.
- Never use gasoline since normal sparking of motor could ignite fumes.
- Clamp the workpiece firmly and cut close to the clamping point to eliminate any vibration of the workpiece. When cutting conduit pipe or angle iron, clamp the workpiece in a vice if possible and cut close to the vice. To cut thin sheet material, "sandwich" the material between hardboard or plywood and clamp the layers to eliminate vibration and material tearing.

4. MAINTENANCE AND STORAGE

a. Maintenance

- After use and before cleaning and maintenance, remove the blade and the battery from the tool.
- Clean the housing only with a damp cloth. Do not use solvents! Then wipe thoroughly.
- Check the condition of the tool. If the tool is damaged or has malfunction, do not use it and bring it to a qualified service for inspection or repair.
- To maintain the optimum battery power, we recommend that the battery be discharged and recharged every two months.

b. Storage

Remove the battery from the tool.

Store the tool in a dry place and protected from freezing, the ambient temperature should not exceed 50°C. Put it out of the reach of children.

5. DISPOSAL



Electrical products should not be discarded with household products. According to the European Directive 2012/19/UE on waste electrical and electronic equipment and its implementation into national law, electrical products used must be collected separately and disposed of at collection points provided for this purpose. Talk with your local authorities or dealer for advice on recycling.

6. DECLARATION OF CONFORMITY



EC Declaration of conformity

HYUNDAI

32, rue Aristide Bergès - ZI 31270 Cugnaux – France declare that the machine

Designation: Cordless Reciprocating saw

Model: HSS20V26

Serial number: 20190510837-20190511136

Is in conformity with the European Directives:

Machine Directive 2006/42/EC

EMC Directive 2014/30/EU

This product is also in conformity with the following standards:

EN60745-1:2009+A11:2010

EN60745-2-11:2010

EN55014-1:2017

EN55014-2:2015

The technical documentation is kept by: Olivier Patriarca

Cugnaux, 13/03/2019

Philippe MARIE / PDG

HYUNDAI
POWER PRODUCTS

For Inquiries, please contact:

BUILDER SAS

32, rue Aristide Bergès Z1 31270 Cugnaux, France

Tél. : +33 (0) 5.34.502.502 Fax : +33 (0) 5.34.502.503

<http://www.hyundai-power-fr.com/>

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