

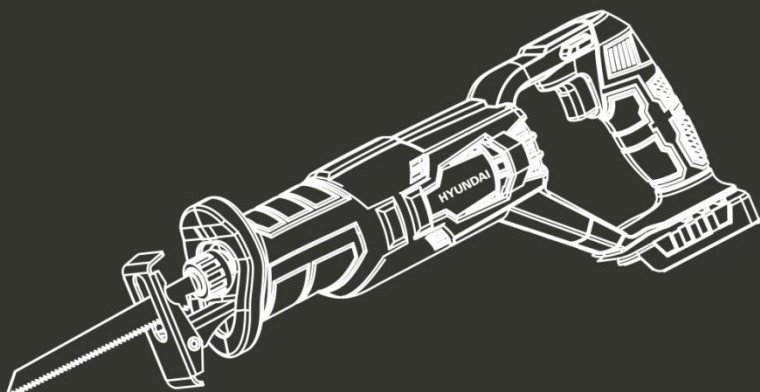
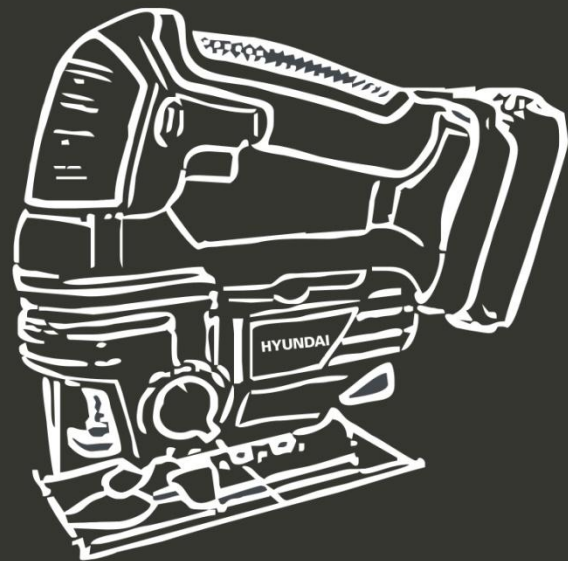
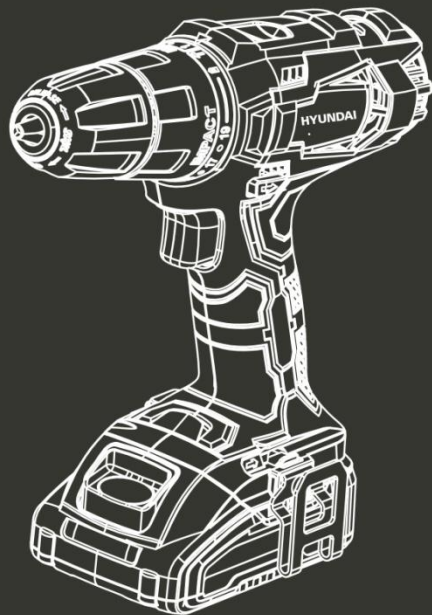
HYUNDAI
POWER PRODUCTS

CORDLESS TOOLS PACK 20V

**DRILL / JIGSAW / SANDER
RECIPROCATING SAW**

HPACK420V

ORIGINAL INSTRUCTIONS



CAUTION: READ THE INSTRUCTIONS BEFORE USING THE MACHINE!

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1. SAFETY INSTRUCTIONS

GENERAL POWER TOOL SAFETY WARNINGS

WARNING Read all safety warnings, instructions, illustrations and specifications provided with this power tool. *Failure to follow all instructions listed below 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 a 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 before connecting to power source and/or battery pack, picking up or carrying the tool.** *Carrying power tools with your finger on the switch or energising 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 and clothing 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.*
- h) **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** *A careless action can cause severe injury within a fraction of a second.*

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 remove the battery pack, if detachable, 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 and accessories. 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.*
- h) **Keep handles and grasping surfaces dry, clean and free from oil and grease.** *Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.*

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.*
- e) **Do not use a battery pack or tool that is damaged or modified.** *Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.*
- f) **Do not expose a battery pack or tool to fire or excessive temperature.** *Exposure to fire or temperature above 130 °C may cause explosion.*
- g) **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.*

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.*
- b) **Never service damaged battery packs.** *Service of battery packs should only be performed by the manufacturer or authorized service providers.*

SPECIAL SAFETY WARNINGS FOR DRILL


- a) **Wear ear protectors when impact drilling.** *Exposure to noise can cause hearing loss.*
- b) **Use auxiliary handle(s), if supplied with the tool.** *Loss of control can cause personal injury.*
- c) **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.

SAFETY INSTRUCTIONS WHEN USING LONG DRILL BITS

- a) **Never operate at higher speed than the maximum speed rating of the drill bit.** At higher speeds, the bit is likely to bend if allowed to rotate freely without contacting the workpiece, resulting in personal injury.
- b) **Always start drilling at low speed and with the bit tip in contact with the workpiece.** At higher speeds, the bit is likely to bend if allowed to rotate freely without contacting the workpiece, resulting in personal injury.
- c) **Apply pressure only in direct line with the bit and do not apply excessive pressure.** Bits can bend causing breakage or loss of control, resulting in personal injury.

SPECIAL SAFETY INSTRUCTIONS FOR JIG SAWS

 **Important! Use of any accessories or attachments other than those supplied or recommended in these operating instructions can mean the risk of injury.**

- When using jig saws ear protectors and a face mask should be worn. Exposure to noise can cause damage to hearing.
- Do not use the jig saw to cut asbestos or materials containing asbestos.
- Do not leave power tools running unattended. Always switch off and do not put down or leave until it has stopped completely.
- Long hair must be covered. Do not work in loose fitting clothing.
- Be careful when working on walls. Damage to power supply lines, gas or water pipes can lead to dangerous situations. Use appropriate detectors to establish whether there are concealed wires or pipes in the working area.
- Secure the work piece. The work piece is only secure if it is held by work-holding devices or in a vice.
- Caution: saw blades can get very hot.
- Saw blades must be kept sharp and in good condition. Replace partially fractured and broken saw blades immediately.
- Work calmly and evenly with the jig saw. You will thus avoid accidents and the saw blades and the jig saw will last longer.
- Do not use for cutting pipes or cables.
- Do not use cracked, blunt or damaged blades.
- Do not start the saw if no blade is fitted.
- Check there are no obstructions in/on the surface under the item to be cut.
- Do not attempt to cut items thicker than the maximum cutting depth of the blade, or where there is insufficient space for the blade under the item.
- The saw's metal parts may become conductive if the saw comes into contact with a live wire. Therefore only hold the saw by its insulated handle.
- Check that the ventilation slots are not blocked.
- Never remove dust, obstructions or the like from the work area while the blade is operating.
- Never stop the saw blade by applying pressure to the saw or to the side of the blade.
- Do not lift the saw from the item being cut if the blade is still running.
- Never place the saw on a table or workbench if it has not stopped completely.
- The saw blade will continue to run a short time after the machine has been switched off.

SPECIAL SAFETY INSTRUCTIONS FOR SANDER

- a) Make sure that the ventilation slots are not obstructed.

- b) Always immobilize the workpiece with a clamping device. Never hold the piece to work by hand.
- c) Use the type of abrasive sheet suitable for the type of work to be performed.
- d) Never use oversized sanding tools.
- e) Never use damaged or worn abrasive sheets, or sheets that do not adhere firmly to the sanding pad.
- f) Never place your hand or fingers near the sanding pad while the sander is running.
- g) Keep the power cord well away from the work area.
- h) Keep the handle and sander clear of oil, grease, water and other liquids.
- i) Never touch the sander until it stops completely.
- j) Do not touch the workpiece or metal chips before cooling.
- k) Do not use the sander to machine magnesium part

WARNING: some dust produced by sanding, sawing, grinding, drilling, and other construction operations contain known chemical elements that can cause cancer, birth defects, or other reproductive harm. Some examples of these chemicals:

- Lead from base paints
- Crystalline silica from bricks and cement and other masonry products
- Arsenic and chromium from chemically treated wood.

The risk associated with these exposures varies according to the frequency of this type of work. To reduce your exposure to these chemicals: work in a well-ventilated area and use approved safety equipment such as dust masks that are specially designed to filter microscopic particles.

SPECIFIC SAFETY RULES FOR RECIPROCATING SAWS

- 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.

SAFETY INSTRUCTIONS FOR RECIPROCATING(JIG) SAWS

- a) **Hold the power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring or its own cord.** *Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.*
- b) **Use clamps or another practical way to secure and support the workpiece to a stable platform.** *Holding the workpiece by hand or against your body leaves it unstable and may lead to loss of control.*

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.

SAFETY INSTRUCTIONS FOR BATTERIES AND CHARGER

Batteries

- Never attempt to open for any reason.
- Do not store in locations where the temperature may exceed 40°C (104°F).
- Charge only at ambient temperatures between 4°C and 40°C(39.2°F and 104°F).
- Charge only using the charger provided with the tool.
- Store your batteries in a cool dry place (5°C-20°C/41°F-68°F). Never store batteries in discharged state.
- It is better for Li-ion batteries to discharge and reload them regularly (at least 4 times a year). The ideal charge for long-term storage of your Li-ion battery is 40% of capacity.
- When disposing of batteries, follow the instructions given in the section “Protecting the environment”.
- Do not cause short circuits. If connection is made between the positive (+) and negative (-) terminal directly or via accidental contact with metallic objects, the battery is short circuited and an intense current will flow causing heat generation which may lead to casing rupture or fire.
- Do not heat. If batteries are heated to above 100°C (212°F), sealing and insulating separators and other polymer components may be damaged resulting in electrolyte leakage and/or internal short circuiting leading to heat generation causing rupture or file. Moreover do not dispose of the batteries in fire, explosion and/or intense burning may result.
- Under extreme conditions, battery leakage may occur. When you notice liquid on the battery, proceed as follows:
 - Carefully wipe the liquid off using a cloth. Avoid skin contact.
 - In case of skin or eye contact, follow the instructions below:
- Immediately rinse with water. Neutralize with a mild acid such as lemon juice or vinegar.
- In case of eye contact, rinse abundantly with clean water for at least 10 minutes. Consult a physician.



Fire hazard! Avoid short-circuiting the contacts of a detached battery. Do not incinerate the battery.













Charger

- Use the charger provided with the tool only to charge the battery.
- Never attempt to charge non-rechargeable batteries.
- Have defective cords replaced immediately.
- Do not expose to water.
- Do not open the charger.
- Do not probe the charger.
- The charger is intended for indoor use only.
- This charger can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or

instruction concerning use of the appliance in a safe way and understand the hazards involved.

- Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- **CAUTION:** Do not recharge non-rechargeable batteries.

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.
	Class II, double isolation(only for charger)
	Do not dispose of old appliances with domestic rubbish
	Ne pas exposer le chargeur ni la batterie à l'eau.
	Do not incinerate the battery or charger.
	Ambient temperature of 40 ° C max. (only for the battery)
	Use the battery and charger Indoor use only.
	Recycling

2. CORDLESS DRILL

PRODUCT DESCRIPTION

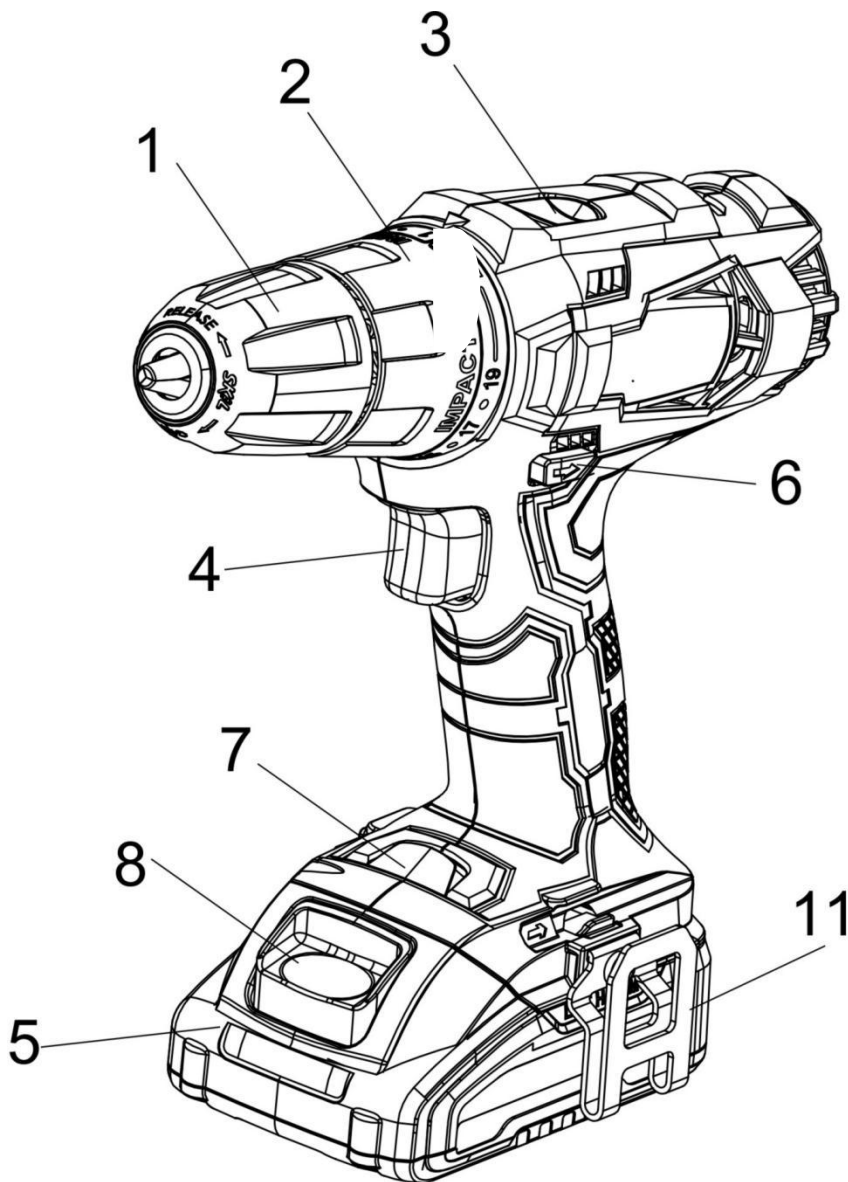


Fig A



Fig 1

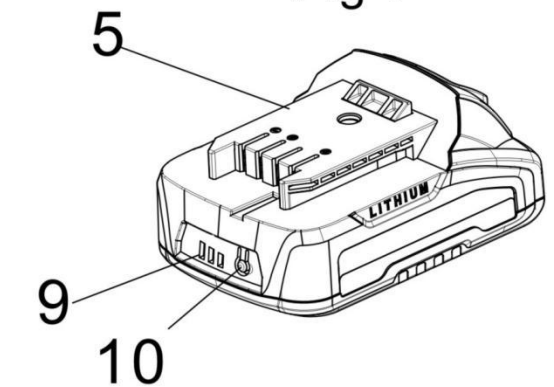


Fig 1a

- | | |
|---------------------------|---|
| 1) Keyless chuck | 7) LED work light |
| 2) Torque adjustment ring | 8) Battery pack release button |
| 3) Two speed selector | 9) Battery capacity indicator |
| 4) On/off switch trigger | 10) Button for battery capacity indicator |
| 5) Battery pack | 11) Belt clip |
| 6) Forward/reverse knob | 12) Charger |

FEATURES

1) Li-ion battery (5)

Advantages of Li-ion batteries:

- Li-ion batteries have a higher capacity/weight ratio (more power for less heavy, more compact,

battery)

- No memory effect (capacity loss after several charge/discharge cycles) like other type batteries.
- Limited self-discharge.

2) Keyless chuck (1)

Your drill has a keyless chuck that allows you to hand tighten or release drill bit in the chuck jaws.

3) Torque adjustment ring (2)

The drill has a torque adjustment ring. It allows you to select the desired torque depending on the task you have to perform (screwing / different types of screws into different materials). The proper setting depends on the type of material and the size of screw you are using.

4) Forward/reverse selector (right/left rotation selector) (6)

The drill has a forward/reverse selector located above the switch trigger.

CAUTION: To prevent damage to the gearbox, always allow the chuck to come to a complete stop before changing the direction of rotation or selecting another speed (HI-LO). To stop, release the trigger switch.

5) Variable speed

Your cordless drill has a variable speed switch. The rotational speed and torque will in-/ decrease equivalently to applied trigger pressure. This drill has an electric brake, when the trigger switch is released, the chuck stops turning.

6) Speed selector (3)

Your cordless drill has a two-speed gear, designed for drilling or driving at LO (1) or HI (2) speed. A slide switch is located on top of your drill to select either LO (1) or HI (2) speed.

7) LED light (7)

Your cordless drill is equipped with an LED light at the front, above the battery pack

8) TPR soft grip

Your cordless drill is equipped with TPR soft grip and protective parts. TPR (Thermoplastic rubber) is elastic, shock absorbing and environmental friendly (recyclable).

TECHNICAL DETAILS

Power supply	20 V d.c.
Chuck	10 mm keyless
Gear Train	2 Speed
No Load Speed	0-400/0-1600 min ⁻¹
Clutch	19+1 Positions
Charger type	HPACK420V Input 100-240V~ 50-60Hz, 0.4A Output 20V d.c., 0.5A
Battery type	HPACK420V 20V d.c. 1.5Ah(30Wh) Lithium-ion
Charging time	3-4 hours
Torque	40Nm (MAX.)

Sound pressure level LpA	LpA =75dB(A) Uncertainty: K=5 dB(A)
Sound power level LwA	LWA =86dB(A) Uncertainty: K=5 dB(A)
A _{h,D} (Vibration)	<2.5m/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.

OPERATION

1) Charging the battery pack

IMPORTANT: The battery pack is not fully charged at the factory.

Before attempting to charge them, thoroughly read all of the safety instructions.

- To assure that the charger you use are applicable to the battery pack.
- Insert the charger into 100-240V~,50-60Hz outlet. The indicator light (3) become to green light to show the power is connected.
- Insert the end of charger(1) into the slot of battery(2). Make sure the contact with the charger is correct.
- When charging The indicator light (3) become to red light.
- When fully charged The indicator light (3) become to green light.
- Frequently monitor the charger and battery pack while connected.
- Unplug the charger and disconnect it from the battery pack when finished.
- Allow the battery pack to cool completely before using it.
- Store the charger and battery pack indoors, out of reach of children.





Note: If the battery does not fit properly, disconnect it and confirm that the battery pack is the correct model for this charger as shown on the specification chart. Do not charge any other battery pack or any battery pack that does not securely fit the charger.



NOTE: If battery is hot after continuous use in the tool, allow it to cool down to room temperature before charging. This will extend the life of your batteries.



NOTE: Remove battery pack from charger stand which use your thumb or fingers, press the battery's release button in and pull the battery pack off at the same time.

2) Battery capacity indicator

There are battery capacity indicators on the battery pack; you can check the capacity status of the battery if you squeeze the button. Before using the machine, please press switch trigger to check if the battery is full enough for properly working.

Those 3 LED might show the status of the capacity level of the battery: Inserting and removing the battery.



WARNING: Before making any adjustments ensure the drill is switched off with the direction of rotation selector in the center position

- Remove the battery: press the battery release latch in and at the same time pull the battery pack off.
- To insert the battery: push the battery pack onto the contacts of the tool.

3) Installing and Removing a Bit and a Drill

This drill has a keyless chuck to prevent the bit or drill from loosening and allows you to hand tighten or release drill bit in the chuck jaws

- a) Turn ring A anticlockwise with the other hand until the drill chuck opening is large enough to accept the tool.
- b) Insert the drill or the screwdriver bit into the drill chuck.
- c) Turn ring A clockwise until the tool is clamped tightly.
- d) Remove the tool in the opposite way.

4) Switch (4)

The drill is started and stopped by depressing and releasing the ON/OFF switch trigger.

5) Switch lock

The switch trigger can be locked in the center position.

This helps to reduce the possibility of accidental starting when not in use. To lock the switch trigger, place the direction of rotation selector in the center position.

6) Direction of rotation

Direction of rotation is controlled by the direction of rotation selector located above the switch trigger.

7) Clockwise rotation:

Right: To select forward rotation, release the on/off switch and push the forward/reverse lever to the left side of the tool.

8) Anticlockwise rotation:

Left: To select reverse rotation, push the lever to the right side of the tool.

9) Variable speed

This tool has a variable speed switch that delivers higher speed and torque with increased trigger pressure.



Speed is controlled by the amount of switch trigger depression.

10) Adjusting the torque

The torque is adjusted by rotating the torque setting ring; the torque is greater when the torque setting is set on a higher position. The torque is less when the torque setting ring is set on a low position “1” denotes lowest and “19” denote highest.

Torque is set by means of a torque setting according to different screw and different material, you can adjust suitable torque, if the screw is long and material is hard, you can adjust the bigger setting.

11) Function mode selector

- Turn the function mode selector and let the pointer align to the drill mode  that selects the drill mode of action.
- Turn the function mode selector and let the pointer align to the screwdriver mode  that selects the screwdriver mode of action.

12) Speed selector

The drill has a two-speed gear train designed for drilling at 1 (LOW) or 2 (HIGH) speed. A gear selector is located on top of the drill to select either low or high speed. When you push the button forward and select low speed range, the speed will decrease but will provide more power and torque. When using drill in the high-speed range. Speed will increase but will provide less power and torque. Use low speed for high power and torque application and high speed for fast drilling applications.



Important: NEVER adjust this two-speed selector whilst the drill is running. Always let it come to a complete stop first.

13) LED light

The LED work-light can light prior to motor running if you press the switch lightly, which keep the work area to be lighted for checking clearly at first, and it lights also during your operation.




WARNING: Do not stare directly at the light beam. Never aim the beam at any person or an object other than the work piece.



Do not deliberately aim the beam at personnel and ensure that it is not directed towards the eye of a person for longer than 0.25s.


14) DRILLING

a) Drilling

Before use for drilling, the function mode selector should be set on drill position “”.


When drilling hard smooth surface, use a center punch to mark the desired hole location. This will prevent the drill bit from slipping off center as the hole is started. Hold the tool firmly and place the tip of the drill or bit into the work piece, applying only enough pressure to keep the bit cutting. Do not force or apply side pressure to elongate a hole.

b) Wood drilling

For maximum performance, use high speed steel bits for wood drilling. Turn the function mode selector on the drill mode “”. Begin drilling at a very low speed to prevent the bit from slipping off the starting point. Increase the speed as the drill bit bites into the material. When drilling through holes, place a block of wood behind the workpiece to prevent ragged or sintered edges on the back side of the hole.

c) Metal drilling

For maximum performance, use high speed steel bits for metal or steel drilling. Turn the function mode

selector on the drill mode “”. Begin drilling at a very low speed to prevent the bit from slipping off the starting point. Maintain a speed and pressure which allows cutting without overheating the bit.

Applying too much pressure will:

- Overheat the drill
- Wear the bearings
- Bend or burn bits
- -Produce off-center or irregular shaped holes

When drilling large holes in metal, it is recommended that you drill with a small bit at first, then finish with a large bit. Also, lubricate the bit with oil to improve drilling action and increase bit life.

15) Driving screw

- For maximum performance, use good quality bits for driving screws, turn the function mode selector on the screwdriver mode position “19”.
- Fix the torque setting low enough to allow a safety margin. Use a very low torque setting

when first driving small screws into soft materials. Then adjust the setting as the proper force required is determined.



NOTE: The torque setting required depends on the item being driven. In the case of screws, consider the size, length, and type of material.

CLEANING AND MAINTENANCE

1) Cleaning

- Keep the ventilation slots of the machine clean to prevent overheating of the engine.
- Regularly clean the machine housing with a soft cloth, preferably after each use.
- Keep the ventilation slots free from dust and dirt.
- If the dirt does not come off use a soft cloth moistened with soapy water.
- Never use solvents such as petrol, alcohol, ammonia water, etc. These solvents may damage the plastic parts.

2) Maintenance

Our machines have been designed to operate over a long period of time with a minimum of maintenance. Continuous satisfactory operation depends upon proper machine care and regular cleaning.

DECLARATION OF CONFORMITY



BUILDER SAS

32, rue Aristide Bergès - ZI 31270 Cugnaux - France, declares that,

Product: Cordless Drill 20V

Trade mark: Hyundai

Model: **HPACK420V**

Serial number: **20211162850-20211163849**

is in conformity with the essential requirements and other relevant provisions of the applicable European Directives, based on the application of European harmonized standards. Any unauthorized modification of the apparatus voids this declaration.

European Directives (including, if applicable, their amendments up to the date of signature);

Rohs directive 2011/65/EU + (EU) 2015/863

Directive Machine 2006/42/EC

Directive EMC 2014/30/UE

LVD Directive 2014/35/UE

European harmonized standards (including, if applicable, their amendments up to the date of signature);

EN62841-1 : 2015

EN62841-2-1: 2018+A11: **2019**

EN 60335-2-29: 2004 + A2: 2010 + A11:2018

EN 60335-1:2012+A11:2014+A13:2017+A1:2019+A2:2019+A14:2019

EN 62233: 2008

EN 55014-1:2017; EN 55014-2:2015;

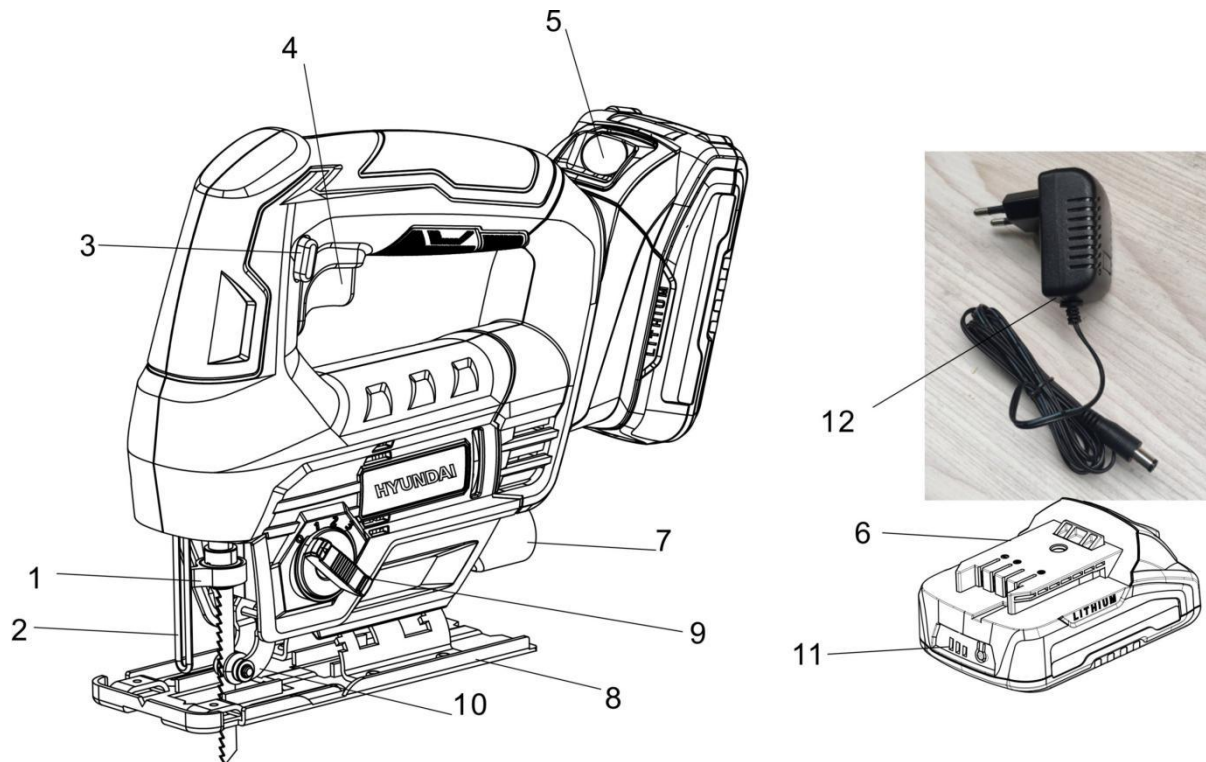
EN 61000-3-2:2014; EN 61000-3-3:2013;

Cugnaux, **04/11/2021**

Philippe MARIE / PDG

3. CORDLESS JIG SAW

PRODUCT DESCRIPTION



- 1) Quick-change blade clamping holder
- 2) Safety guard
- 3) Lock-off button
- 4) ON/OFF switch
- 5) Release button for battery pack
- 6) Battery pack
- 7) Dust extraction outlet
- 8) Soleplate
- 9) Pendulum regulation control
- 10) Guide roller
- 11) 11, Battery capacity indication
- 12) Charger

TECHNICAL DATA

Rated voltage	20 V d.c.	Connection type	T-shank
Rotation speed	0-2400/min	Quick change blades	Yes
LED worklight	Yes	Lock button	Yes
Pendular positions	4	Base material	Steel
Carbon brush motor	Yes	Battery connection	Slide-on
Adjustable base	Yes	Sound pressure level LpA	81 dB(A) K= 5 dB(A)
Stroke height	19 mm	Sound power level LwA	92 dB(A) K= 5 dB(A)
Cutting steel capacity	6 mm	Vibration:	ah,M=7.27m/s ² , K=1.5m/s ² ;
Cutting wood capacity	56 mm	Battery pack	Hpack420V Input 100-240V~ 50-60Hz, 0.4A Output 20V d.c., 0.5A
Inclination degree	45°	Charger	Hpack420V 20V d.c. 1.5Ah(30Wh) Lithium-ion

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.

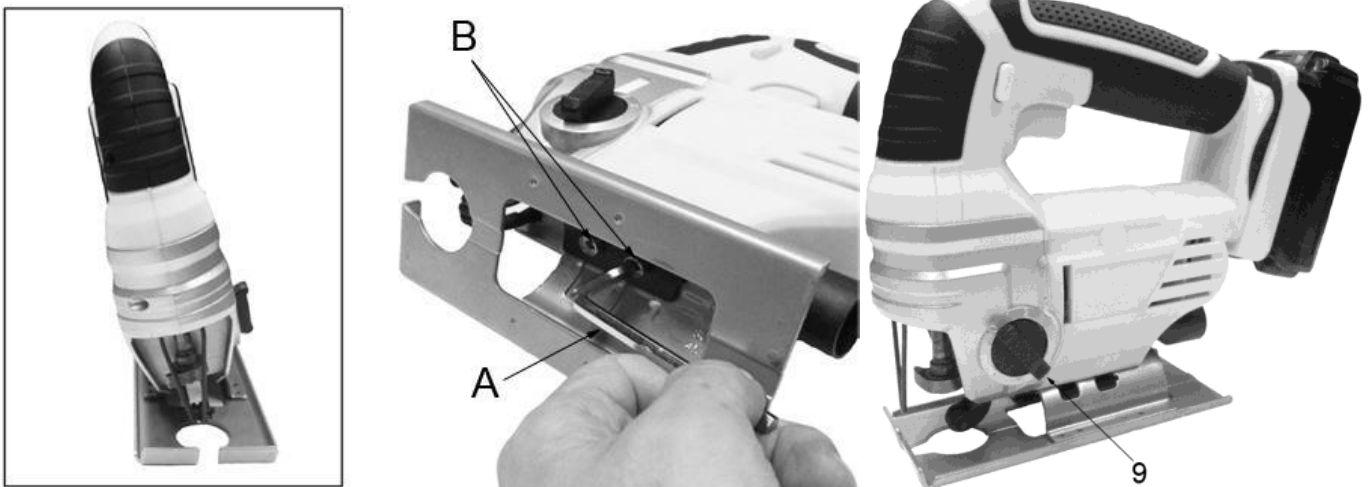
Warning

- 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;
- 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

OPERATION

1) Adjusting the soleplate

- The soleplate (8) can be tilt adjusted 45° (left or right) in relation to the saw perpendicular to facilitate contour sawing.
- Loosen the two clamping screws (B) under the soleplate using the hexagon key (A) supplied with the tool, adjust the soleplate to the desired angle and re-tighten the screws (B).
- The angle can be set using a marked scale on top of the soleplate.
- This jig saw is equipped with four cutting actions, one straight and three orbital.
- Orbital action has a more aggressive blade motion and is designed for cutting in soft materials like wood or plastic.



- Orbital action provides faster cut, but with a rougher cut across the material. In orbital action, the blade moves forward during the cutting stroke in addition to the up and down motion.

Note: Metal or hardwoods should never be cut in orbital action.

- To adjust the cutting action, moves the pendulum regulation control (9) between the four cutting positions: 0,1,2, and 3.
- Position 0 is the straight cutting.
- Positions 1, 2 and 3 are orbital cutting.
- The aggressiveness of the cut increase as the control is moved from one to three, with three being the most aggressive cut.
- Never use a blade unsuitable for the task and item to be cut.
- Hold the saw in front of you with a firm grip on the handle.
- Ensure that the saw blade is not touching anything and that the power cable is not in the way when starting the saw.

- Make sure that the item is clamped tight, and that the saw line is clearly marked. Connect the vacuum extractor nozzle to an extractor system where possible.
- Start the saw. Place the soleplate on the item, and let the saw blade touch the saw line.
- Saw, but do not place more pressure on the blade than is necessary. Avoid lateral pressure on the blade.

2) Sawing wood

- Check that the item does not contain nails or other metal objects. Always wear a mask.

3) Sawing metal

- We recommend lubricating the material and saw blade with cutting oil to protect the tool and avoid overheating. Support the item securely with wooden blocks.



Important! Check all screws on the saw regularly, particularly those that hold the blade. Tighten if required.

CLEANING AND MAINTENANCE

1) Cleaning

- Keep the ventilation slots of the machine clean to prevent overheating of the engine.
- Regularly clean the machine housing with a soft cloth, preferably after each use.
- Keep the ventilation slots free from dust and dirt.
- If the dirt does not come off use a soft cloth moistened with soapy water.
- Never use solvents such as petrol, alcohol, ammonia water, etc. These solvents may damage the plastic parts.

2) Maintenance

- Our machines have been designed to operate over a long period of time with a minimum of maintenance. Continuous satisfactory operation depends upon proper machine care and regular cleaning.

DECLARATION OF CONFORMITY



BUILDER SAS

32, rue Aristide Bergès - ZI 31270 Cugnaux - France,

declares that,

Product: Cordless Jigsaw 20V

Trade mark: Hyundai

Model: **HPACK420V**

Serial number: **20211162850-20211163849**

is in conformity with the essential requirements and other relevant provisions of the applicable European Directives, based on the application of European harmonized standards. Any unauthorized modification of the apparatus voids this declaration.

European Directives (including, if applicable, their amendments up to the date of signature):

Rohs Directive (EU) 2015/863 amending 2011/65 / EU

“Machine” directive 2006/42 / EC

EMC Directive 2014/30 / EC

LVD Directive 2014/35/UE

European harmonized standards (including, if applicable, their amendments up to the date of signature):

EN62841-1: 2015

EN62841-2-11: 2016

EN 60335-2-29: 2004 + A2: 2010 + A11:2018

EN 60335-1:2012+A11:2014+A13:2017+A1:2019+A2:2019+A14:2019

EN 62233: 2008

EN 55014-1:2017; EN 55014-2:2015;

EN 61000-3-2:2014; EN 61000-3-3:2013;

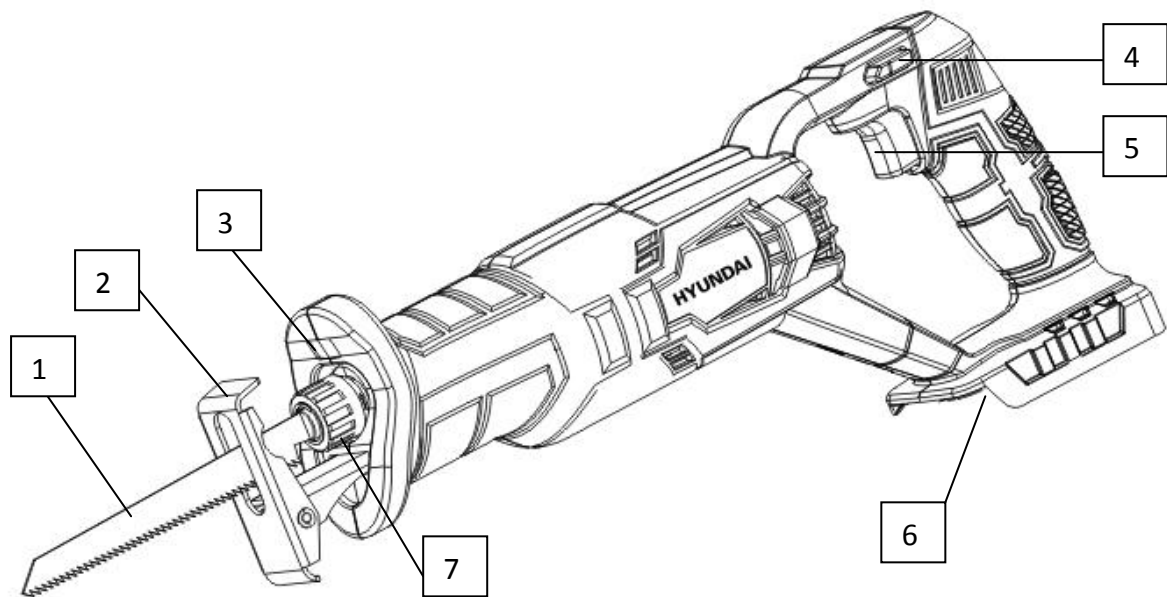
Cugnaux, [04/11/2021](#)

Philippe MARIE / PDG

Responsible of the technical file: Mr Olivier Patriarca

4. CORDLESS RECIPROCATING SAW

PRODUCT DESCRIPTION



- | | |
|--------------------------------------|--------------------------------------|
| 1) Saw blade | 5) ON/OFF switch |
| 2) Soleplate | 6) Slot for battery |
| 3) Led light | 7) Blade clamp and release mechanism |
| 4) Lock-off button for ON/OFF switch | |

TECHNICAL DATA

Tension	20V d.c.
No load speed	0-2800/min
Cutting capacity	65mm in wood / 6mm in metal
Charger type	HPACK420V Input 100-240V~ 50-60Hz, 0.4A Output 20V d.c., 0.5A
Battery type	HPACK420V 20V d.c. 1.5Ah(30Wh) Lithium-ion
Sound power level	LwA: 92.93dB(A) K=5dB(A)
Sound pressure level	LpA: 81.93dB(A) K=5dB(A)
Vibration	Cutting board mode: - Front handle: 14 m/s ² - Rear handle: 12,3 m/s ² Cutting wooden beams mode - Front handle: 10,5 m/s ² - Rear handle: 16,8 m/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.

OPERATION

1) Install / remove the saw 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.

- Turn the quick-release blade clamp (6) anticlockwise and insert the saw blade, then release the quick-release blade clamp(6). Make sure that the saw blade is securely fastened. (Fig. 2)
- Turn the quick-release blade clamp (6) anticlockwise to remove the saw blade.(Fig. 3)



Fig. 2

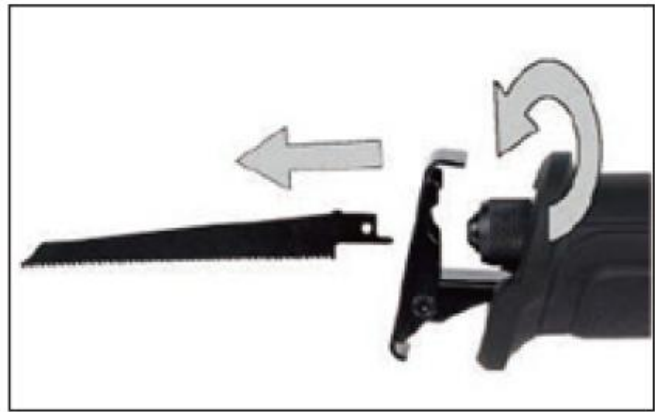


Fig. 3

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.

2) Soleplate assembly adjustment

- Loosen the two cap screws at the bottom of the front handle with the hex key provided.(Fig. 4)
- Move the pivot shoe (2) in or out to the position required.
- Tighten both cap screws.



Fig. 4

3) Starting and stopping

- a) The reciprocating saw is equipped with a lock button (3) which reduces the possibility of accidental starting. The lock button (3) is located on the handle above the on/off switch trigger. You must depress the lock button in order to pull the switch trigger. The lock button resets each time the trigger is released.
- b) To turn on the reciprocating saw, depress the lock button (3) and pull the ON/OFF switch trigger (4).
- c) Release the ON/OFF switch trigger to turn off the reciprocating saw.
- d) The speed of the reciprocating saw can be increased by increasing the pressure on the ON/OFF switch trigger. Decrease the pressure on the ON/OFF switch trigger will decrease the speed of the reciprocating saw.

4) 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.

5) 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.

6) 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.

MAINTENANCE AND STORAGE

1) 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.

2) 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.

DECLARATION OF CONFORMITY



BUILDER SAS

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

Designation: Cordless Reciprocating saw

Model: HPACK420V

Serial number: 20211162850-20211163849

Is in conformity with the European Directives:

Machine Directive 2006/42/EC

EMC Directive 2014/30/EU

RoHS Directive (EU)2015/863 amending 2011/65/EU

LVD Directive 2014/35/UE

This product is also in conformity with the following standards:

EN62841-1:2015; EN 62841-2-11:2016

EN55014-1:2017; EN55014-2:2015

EN 60335-2-29: 2004 + A2: 2010 + A11:2018

EN 60335-1:2012+A11:2014+A13:2017+A1:2019+A2:2019+A14:2019

EN 62233: 2008

EN 55014-1:2017; EN 55014-1:2017+A11; EN 55014-2:2015;

EN 61000-3-2:2014; EN 61000-3-3:2013;

The technical documentation is kept by: Olivier Patriarca

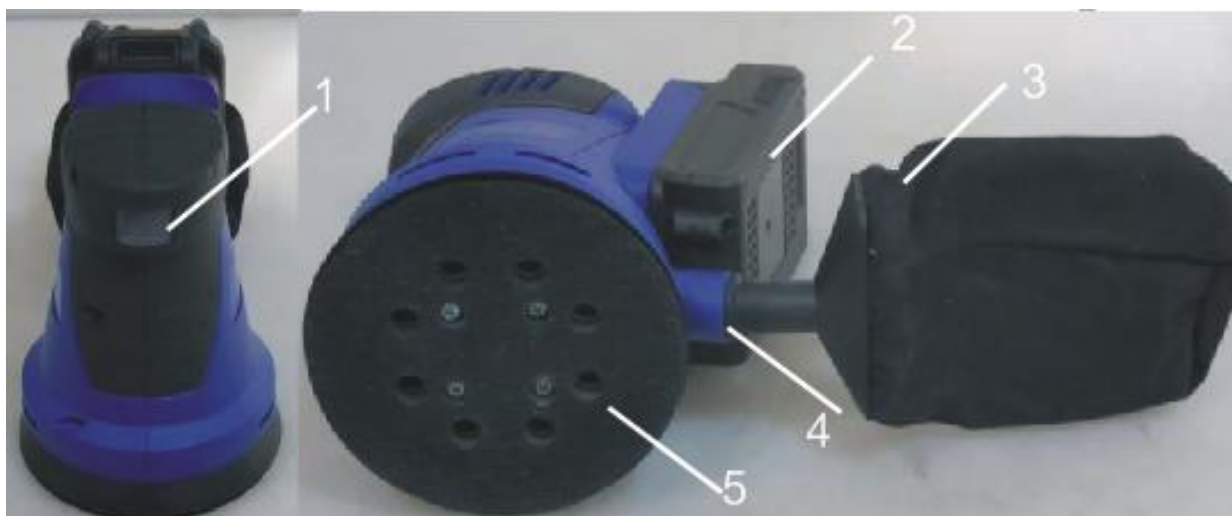
Cugnaux, 04/11/2021

Philippe MARIE / PDG

A handwritten signature in black ink, appearing to read 'Philippe Marie', with a large, stylized flourish at the end.

5. CORDLESS SANDER

PRODUCT DESCRIPTION



- | | |
|-------------------|----------------------|
| 1) On-Off switch | 4) Connection pieces |
| 2) Battery pack | 5) Sanding plate |
| 3) Dust container | |

TECHNICAL DETAILS

Power supply	20 V d.c.
No Load Speed	12000 min ⁻¹
Sanding plate dimensions	125 mm
Charger type	HPACK420V Input 100-240V~ 50-60Hz, 0.4A Output 20V d.c., 0.5A
Battery type	HPACK420V 20V d.c. 1.5Ah(30Wh) Lithium-ion
Charging time	3-4 hour
Acoustic pressure level LpA	70 dB(A) , K = 3 dB(A)
Acoustic power level LwA	81 dB(A) , K = 3 dB(A)
aw (Vibration)	8.36 m/s ² (K= 1.5 m/s ²)
Weight (Not include battery pack)	1.5kg

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.

OPERATION

1. Assembly an abrasive sheet

Warning: Remove the battery from the tool before assembly and setting!

Choose an appropriate grit sheet according to the type of work to be done.

Before mounting a new abrasive sheet, remove dust and dirt from the sanding pad with a brush.

The surface of the sanding plate is provided with a self-gripping coating, which makes it possible to quickly and easily attach abrasive sheets with self-gripping system. Apply an abrasive sheet to the bottom surface of the sanding pad with moderate pressure.

To change the sanding sheet, peel off the used sheet, discard the sanding pad from the dust and apply a new sheet to the tray. When renewing, be sure to align the holes in the paper with the holes in the sanding tray to ensure good dust evacuation.

When the sanding pad is worn, it no longer has a firm grip on the sanding sheet, so it must be replaced.

2. Assembly of a dust collector

Use a dust extraction device suitable for the material.

Insert the connection adapter into the outlet of the sander.

For the suction of dust particularly harmful to health, carcinogenic or dry, use specific vacuums.

After completing the work, empty the dust collection bin.

3. Switching ON/OFF

- Switching on: Put the on / off switch (1) in position [1],

- Switching off: Set the on / off switch (1) to position [0].

4. Instructions of use

For rough sanding, use a coarse grit sheet. Lightly squeeze the sander to allow it to run at a higher speed for better material removal.

For finishing sanding, use a fine grit sanding sheet. By varying the pressure slightly or changing the speed of rotation, you can reduce the speed of the sanding plate while maintaining the eccentric movement. Guide the sander to the workpiece using circular motions or alternating longitudinal or transverse passes.

An abrasive sheet with which to sand a metal should not be used for other materials.

For the polishing of varnished surfaces, it is possible to provide the sander with appropriate sanding is such as felt sheepskin disc or polishing sponge. Choose a low speed to prevent excessive heating of the surface.

Let the tool to run empty for a few minutes after a strong load to cool the power tool.

Take care to ensure sufficient dust extraction during operation.

MAINTENANCE



Warning: Remove the battery before inspection, cleaning and repair

1) Cleaning

Clean the air vents regularly with dry compressed air. Never try to clean in inserting sharp objects into the air vents.

Do not use aggressive chemical detergents to clean plastic parts. Various chemicals can corrode and damage parts. Use only a clean cloth to remove dirt, oil, grease and dust.

2) Others

In order to make optimal use of the power tool, always use original accessories, which are available in all specialty stores.

DECLARATION OF CONFORMITY



BUILDER SAS

32, rue Aristide Bergès - ZI 31270 Cugnaux - France, declares that,

Product: CORDLESS ORBITAL SANDER 20V

Trade mark: Hyundai

Model: HPACK420V

Serial number: 20211162850-20211163849

is in conformity with the essential requirements and other relevant provisions of the applicable European Directives, based on the application of European harmonized standards. Any unauthorized modification of the apparatus voids this declaration.

European Directives (including, if applicable, their amendments up to the date of signature);

Rohs directive 2011/65/EU + (EU) 2015/863

Directive Machine 2006/42/EC

Directive EMC 2014/30/UE

LVD Directive 2014/35/UE

European harmonized standards (including, if applicable, their amendments up to the date of signature);

EN62841-1:2015; EN62841-2-4:2014

EN55014-1:2017; EN55014-2:2015

EN 60335-2-29: 2004 + A2: 2010 + A11:2018

EN 60335-1:2012+A11:2014+A13:2017+A1:2019+A2:2019+A14:2019

EN 62233: 2008

EN 55014-1:2017; EN 55014-2:2015;

EN 61000-3-2:2014; EN 61000-3-3:2013;

Cugnaux, 04/11/2021

Philippe MARIE / PDG

Responsible of the technical file: Mr Olivier Patriarca

6. DISPOSAL



To help the environment, please dispose of the product properly when it has reached the end of its useful life and not in the household waste. Information on collection points and their opening hours can be obtained from your local authority

Environmental damage through incorrect disposal of the batteries / rechargeable batteries.



Li-ion

Remove the battery pack from the product before disposal. Batteries /rechargeable batteries may not be disposed of with the usual domestic waste. They may contain toxic heavy metals and are subject to hazardous waste treatment rules and regulations. Please dispose of batteries according

to the relevant local requirements.

7. WARRANTY

The manufacturer guarantees the product against defects in material and workmanship for a period of 2 years from the date of the original purchase. The warranty only applies if the product is for household use. The warranty does not cover breakdowns due to normal wear and tear.

The manufacturer agrees to replace parts identified as defective by the designated distributor. The manufacturer does not accept responsibility for the replacement of the machine, in whole or in part, and/or ensuing damage.

The warranty does not cover breakdowns due to:

insufficient maintenance.

abnormal assembly, adjustment or operations of the product.

parts subject to normal wear and tear.

The warranty does not extend to:

shipping and packaging costs.

using the tool for a purpose other than that for which it was designed.

the use and maintenance of the machine done in a manner not described in the user manual.

Due to our policy of continuous product improvement, we reserve the right to alter or change specifications without notice. Consequently, the product may be different from the information contained therein, but a modification will be undertaken without notice if it is recognized as an improvement of the preceding characteristic.

READ THE MANUAL CAREFULLY BEFORE USING THE MACHINE.

When ordering spare parts, please indicate the part number or code, you can find this in the spare parts list in this manual. Keep the purchase receipt; without it, the warranty is invalid. To help you with your product, we invite you to contact us by phone or via our website:

+33 (0)9.70.75.30.30

<https://services.swap-europe.com/contact>

You must create a "ticket" via the web platform.

Register or create your account.

Indicate the reference of the tool.

Choose the subject of your request.

Describe your problem.

Attach these files: invoice or sales receipt, photo of the identification plate (serial number), photo of the part you need (for example: pins on the transformer plug which are broken).



8. PRODUCT FAILURE

WHAT TO DO IF MY MACHINE BREAKS DOWN?

If you bought your product in a store:

- Make sure that your machine is complete with all accessories supplied, and clean! If this is not the case, the repairer will refuse the machine.
- Go to the store with the complete machine and with the receipt or invoice.

If you bought your product on a website:

- Make sure that your machine is complete with all accessories supplied, and clean! If this is not the case, the repairer will refuse the machine.
- Create a SWAP-Europe service ticket on the site: <https://services.swap-europe.com> When making the request on SWAP-Europe, you must attach the invoice and the photo of the nameplate (serial number).

Contact the repair station to make sure it is available before dropping off the machine.

Go to the repair station with the complete machine packed, accompanied by the purchase invoice and the station support sheet downloadable after the service request is completed on the SWAP-Europe site

Please keep your original packaging to allow for after-sales service returns or pack your machine with a similar cardboard box of the same dimensions.

For any question concerning our after-sales service you can make a request on our website <https://services.swap-europe.com>

Our hotline remains available at +33 (9) 70 75 30 30.



9. WARRANTY EXCLUSIONS

THE WARRANTY DOES NOT COVER:

- Start-up and setting up of the product.
- Damage resulting from normal wear and tear of the product.
- Damage resulting from improper use of the product.
- Damage resulting from assembly or start-up not in accordance with the user manual.
- Breakdowns related to carburetion beyond 90 days and fouling of carburetors.
- Periodic and standard maintenance events.
- Actions of modification and dismantling that directly void the warranty.
- Products whose original authentication marking (brand, serial number) has been degraded, altered or withdrawn.
- Replacement of consumables.
- The use of non-original parts.
- Breakage of parts following impacts or projections.
- Accessories breakdowns.
- Defects and their consequences linked to any external cause.
- Loss of components and loss due to insufficient screwing.
- Cutting components and any damage related to the loosening of parts.
- Overload or overheating.
- Poor power supply quality: faulty voltage, voltage error, etc.
- Damages resulting from the deprivation of enjoyment of the product during the time necessary for repairs and more generally the costs related to the immobilization of the product.
- The costs of a second opinion established by a third party following an estimate by a SWAP-Europe repair station
- The use of a product which would show a defect or a breakage which was not the subject of an immediate report and/or repair with the services of SWAP-Europe.
- Deterioration linked to transport and storage*.
- Launchers beyond 90 days.
- Oil, petrol, grease.
- Damages related to the use of non-compliant fuels or lubricants.

* In accordance with transport legislation, damage related to transport must be declared to carriers within 48 hours maximum after observation by registered letter with acknowledgement of receipt.

This document is a supplement to your notice, a non-exhaustive list.

Attention: all orders must be checked in the presence of the delivery person. In case of refusal by the delivery person, it you must simply refuse the delivery and notify your refusal.

Reminder: the reserves do not exclude the notification by registered letter with acknowledgement within 72 hours.

Information:

Thermal devices must be wintered each season (service available on the SWAP-Europe site). Batteries must be charged before being stored.

HYUNDAI
POWER PRODUCTS

For Inquiries, please contact:

BUILDER SAS
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Fabriqué en République Populaire de Chine(PRC)