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HQM83 - HQM83L

10 - GB - Sanders **INSTRUCTION MANUAL (Original version)**

17 - FR - Ponceuses **MODE D'EMPLOI (Version originale)**

31 - ES - Lijadora **MANUAL DE INSTRUCCIÓN (Versión original)**

WARNING: For your personal safety, READ and UNDERSTAND the instruction manual before using
AVERTISSEMENT: Pour reduire le risque de blessures, l'utilisateur doit lire le manuel d'instruction
ADVERTENCIA: Para reducir el riesgo de lesiones, el usuario debe leer el manual de instrucciones

SAVE THESE INSTRUCTIONS
VEUILLEZ CONSERVER CES INSTRUCTIONS
CONSERVE ESTAS INSTRUCCIONES

Fig.1

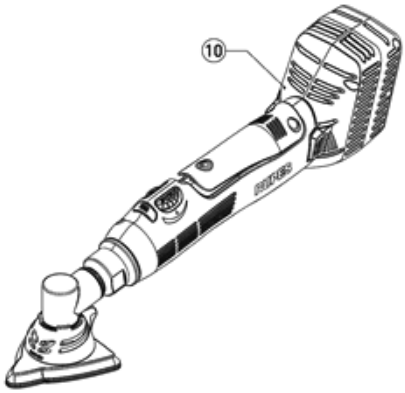

Fig. 2

Fig.3

Fig.4

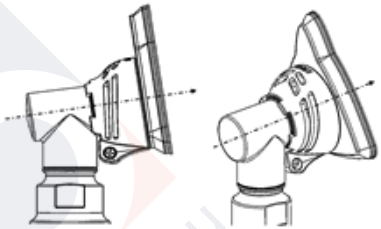

Fig.5

Fig.6

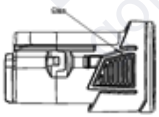

Fig.7

Fig.8

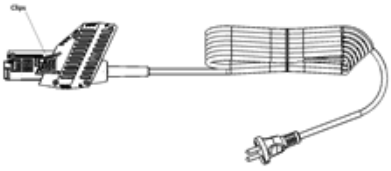

Fig.9

Fig.10

ENGLISH

EXPLANATION OF SIGNAL WORD

WARNING: Indicates a potentially hazardous situation, which, if not avoided, could result in **death or serious injury and/or property damage.**

CAUTION: Indicates a potentially hazardous situation, which, if not avoided, may result in **minor or moderate injury and/or property damage.**

NOTICE: Indicates a potentially hazardous situation, which, if not avoided, may result in **property damage.**

GENERAL POWER TOOL SAFETY WARNINGS

WARNING Read all safety warnings and instructions. Failure to follow the warnings 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 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, 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 (provided or optional) 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

ADDITIONAL SAFETY INSTRUCTIONS

1. **This tool is designed to be used as a sander. Read all the warnings, instructions, indications provided on drawings and specifications supplied with this tool.** Failure to comply with all the instructions provided below may cause electrical shocks, fire and/or serious injuries
2. **The tool must be used with accessories that have been specifically designed or recommended by the manufacturer.** The fixing of the accessory to the tool does not guarantee a safe operation.
3. **The rated speed of the accessories must be at least equivalent to the maximum speed specified on the tool.** Using the accessories at speeds above the rated one, may cause them to break or be projected into the air.
4. **The external diameter and thickness of the accessories must match the specifications of the tool.** Accessories with incorrect dimensions cannot be adequately protected or controlled.
5. **The configuration of accessories must match the tool.** The use of accessories that cannot be perfectly fitted on the tool may result in imbalance, excessive vibrations and in the impossibility of controlling the tool.
6. **Do not use damaged accessories. Before use, inspect all the accessories. Inspect the supporting pads and verify there are no cracks, tears or excessive wear. If the tool or accessory has fallen, verify that it is not damaged or install a new accessory. After inspecting or installing an accessory, test the operation of the tool at maximum speed and without load for one minute, keeping at a safety distance.** If the accessories are damaged, they will break during this test.
7. **Wear personal protective equipment. Depending on application, use face shield, safety goggles or safety glasses. As appropriate, wear dust mask, hearing protectors, gloves and workshop apron capable of stopping small abrasive or workpiece fragments. The eye protection must be capable of stopping flying debris generated by various operations.** The dust mask or respirator must be capable of filtrating particles generated by your operation. Prolonged exposure to high intensity noise may cause hearing loss.
8. **Keep bystanders a safe distance away from work area. Anyone entering the work area must wear personal protective equipment.** Fragments of workpiece or of a broken accessory may fly away and cause injury beyond immediate area of operation.
9. **Hold power tool by insulated surfaces only, 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 shock the operator.
10. **Position the cord clear of the spinning accessory.** If you lose control, the cord may be cut or snagged and your hand or arm may be pulled into the spinning accessory.

11. **Never lay the power tool down until the accessory has come to a complete stop.** The spinning accessory may grab the surface and pull the power tool out of your control.
12. **Do not run the power tool while carrying it at your side.** Accidental contact with the spinning accessory could snag your clothing, pulling the accessory into your body.
13. **Regularly clean the power tool's air vents.** The motor's fan will draw the dust inside the housing and excessive accumulation of powdered metal may cause electrical hazards.
14. **Do not operate the power tool near flammable materials.** Sparks could ignite these materials.
15. **Do not use accessories that require liquid coolants.** Using water or other liquid coolants may result in electrocution or shock.

Further Safety Instructions for All Operations
KICKBACK AND RELATED WARNINGS
Kickback is a sudden reaction to a pinched or snagged rotating wheel, backing pad, brush or any other accessory. Pinching or snagging causes rapid stalling of the rotating accessory which in turn causes the uncontrolled power tool to be forced in the direction opposite of the accessory's rotation at the point of the binding.
For example, if an abrasive wheel is snagged or pinched by the workpiece, the edge of the wheel that is entering into the pinch point can dig into the surface of the material causing the wheel to climb out or kick out. The wheel may either jump toward or away from the operator, depending on direction of the wheel's movement at the point of pinching. Abrasive wheels may also break under these conditions.
Kickback is the result of tool misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below:
1) **Maintain a firm grip on the power tool and position your body and arm to allow you to resist kickback forces.** The operator can control torque reacton or kickbaock forces, if proper precautions are taken.
2) **Never place your hand near the rotating accessory.** Accessory may kickback over your hand.
3) **Do not position your body in the area where power tool will move if kickback occurs.** Kickback will propel the tool in direction opposite to the wheel's movement at the point of snagging
4) **Use special care when working corners, sharp edges, etc. Avoid bouncing and snagging the accessory.** Corners, sharp edges or bouncing have a tendency to snag the rotating accessory and cause loss of control or kickback
5) **Do not attach a saw chain woodcarving blade or toothed saw blade.** Such blades create frequent kickback and loss of control

Safety Warnings Specific for Polishing Operations
Do not allow any loose portion of the polishing bonnet or its attachment strings to spin freely. Tuck away or trim any loose attachment strings. Loose and spinning attachment strings can entangle your fingers or snag on the workpiece.

Additional Specific Safety Instructions for Sanders
- **Always use eye protection.** All users and bystanders must wear eye protection that conforms to ANSI Z87.1
- **Clean out your tool often, especially after heavy use.** Dust and grit containing metal particles often accumulate on interior surfaces and could create an electric shock hazard.
- **Do not operate this tool for long periods of time.** Vibration caused by the operating action of this tool may cause permanent injury to fingers, hands and arms. Use gloves to provide extra cushion, take frequent rest periods and limit daily time of use.
- **Air vents often cover moving parts and should be avoided.** Loose clothes, jewellery or long hair can be caught in moving parts.

WARNING: ALWAYS use safety glasses. Everyday eyeglasses are NOT safety glasses. Also use face or dust mask if cutting operation is dusty. ALWAYS WEAR CERTIFIED SAFETY EQUIPMENT.
ANSI Z87.1 eye protection,
ANSI S12.6 (S3.19) hearing protection,
NIOSH/OSHA/MSHA respiratory protection.

WARNING: Always wear proper personal hearing protection that conforms to ANSI S12.6 (S3.19) during use. Under some conditions and duration of use, noise from this product may contribute to hearing loss.

WARNING: Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:
- lead from lead-based paints,

• crystalline silica from bricks and cement and other masonry products, and
• arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

- **Avoid prolonged contact with dust from power sanding, sawing, grinding, drilling and other construction activities. Wear protective clothing and wash exposed areas with soap and water.**

Allowing dust to get into your mouth, eyes, or lay on the skin may promote absorption of harmful chemicals.

WARNING: Use of this tool can generate and/or disperse dust, which may cause serious and permanent respiratory or other injury. Always use NIOSH/OSHA approved respiratory protection appropriate for the dust exposure. Direct particles away from face and body.

CAUTION: Use extra care when working into a corner because a sudden, sharp movement of the sander may be experienced when the wheel or other accessory contacts a secondary surface or a surface edge.

Summary of device labels containing safety information			
 ISO7010-M002	To reduce the risk of injury, user MUST read instruction manual	 ISO7010-W001	General WARNING sign
 ISO7010-M003	Wear ear protection	 ISO7010-M009	Wear protective gloves
 ISO7010-W004	Wear eye protection	 ISO7010-M016	Wear a mask
 ISO7010-P007	CAUTION for Pacemaker users	 ISO7010-W006	Magnetic field
	WEEE Compliant	CE	CE mark for EU market
⎓	Direct current	Ah	Ampere per hour
 Li-ion	Product contains Lithium-Ion. Do not dispose this product with household rubbish		
N°	No-load speed	/min	Per minute
Wh	Watt per hour	V	Volt

TECHNICAL SPECIFICATIONS

TYPE	HQM83	HQM83L
Voltage (VDC)	10.8/12	10.8/12
RPM *	2000-5000*	2000-5000*
Battery life (min)	~30**	~30**
Charging time (min)	~20	~20
Electronic speed control	•	•
Overcurrent protection	•	•
Soft start	—	—
LED indication	•	•
Dimensions (mm)	287x70x47***	332x70x47***
Weight (g)	470***	520***

* 2000 RPM when speed regulation Knob (2) is at position 1, 2800RPM at position 2, 3500RPM at position 3, 4300RPM at position 4, 5000 RPM at position 5.

** The value is referred to a use of the battery pack 9HB125LT, fully charged with a charger 9HC120LT and normal use with a Rupes sander HQM83/HQM83L, with functional unit orbit 2mm and Ø75 mm round backing pad.

*** Measured without a functional unit, battery pack, and power supply.

WARNINGS

The safety and accident prevention instructions are reported in the "**SAFETY INSTRUCTION**" booklet which is an integral part of these documents. This **operating instructions** manual indicates the additional information required for the specific use of the tool.

CORRECT USAGE

Safety instructions for all operations

- **This tool is designed to be used as a sander. Read all safety warnings, instructions, illustrations and specifications provided with this power tool.** Failure to follow all instructions listed below may result in electrical shocks, fire and/or serious injuries.
- **This tool is not intended to be used for metal brushing, polishing and cutting-off operations.** The use of this tool for unintended applications may cause hazards and injuries to people.
- **The tool must be used with accessories that have been specifically designed or recommended by the manufacturer.** The fixing of the accessory to the tool does not guarantee a safe operation.
- **The rated speed of the accessories must be at least equivalent to the maximum speed specified on the tool.** Using the accessories at speeds above the rated one, may cause them to break or thrown into the air.
- **The external diameter and thickness of the accessories must match the specifications of the tool.** Accessories with incorrect dimensions cannot be adequately protected or controlled.
- **The configuration of accessories must match the tool.** The use of accessories that cannot be perfectly fitted on the tool may result in imbalance, excessive vibrations and in the impossibility of controlling the tool.
- **Do not use damaged accessories. Before use, inspect all the accessories. Inspect the supporting pads and verify there are no cracks, tears or excessive wear. If the tool or accessory has fallen, verify that it is not damaged or install a new accessory. After inspecting or installing an accessory, test the operation of the tool at maximum speed and without load for one minute, keeping at a safety distance.** If the accessories are damaged, they will break during this test.
- **Wear personal protective equipment. Depending on the application, use face shield, safety goggles or safety glasses. As appropriate, wear dust mask, hearing protectors, gloves and workshop apron capable of stopping small abrasive or workpiece fragments.** The eye protection must be capable of stopping flying debris generated by various operations. The dust mask or respirator must be capable of filtrating particles generated by your operation. Prolonged exposure to high intensity noise may cause hearing loss.
- **Keep bystanders a safe distance away from work area. Anyone entering the work area must wear personal protective equipment.** Fragments of workpiece or a broken accessory may fly away and cause injury beyond immediate area of operation.
- **Hold power tool by insulated gripping surfaces only, 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.
- **Always hold the tool firmly in your hand(s) during the start-up.** The reaction torque of the motor, as it accelerates to full speed, can cause the tool to twist.
- **Use clamps to support workpiece whenever practical. Never hold a small workpiece in one hand and the tool in the other hand while in use.** Clamping a small workpiece allows you to use your hand(s) to control the tool. Round material such as dowel rods, pipes or tubing have a tendency to roll while being cut, and may cause the bit to bind or jump toward you.
- **Position the cord clear of the spinning accessory.** If you lose control, the cord may be cut or snagged and your hand or arm may be pulled into the spinning accessory.
- **Never lay the power tool down until the accessory has come to a complete stop.** The spinning accessory

may grab the surface and pull the power tool out of your control.

- **After changing the bits or making any adjustments, make sure the collet nut, chuck or any other adjustment devices are securely tightened.** Loose adjustment devices can unexpectedly shift, causing loss of control, loose rotating components will be violently thrown.
- **Do not run the power tool while carrying it at your side.** Accidental contact with the spinning accessory could snag your clothing, pulling the accessory into your body.
- **Regularly clean the power tool's air vents.** The motors fan will draw the dust inside the housing and excessive accumulation of powdered metal may cause electrical hazards.
- **Do not operate the power tool near flammable materials.** Sparks could ignite these materials.
- **Do not use accessories that require liquid coolants.** Using water or other liquid coolants may result in electrocution o shock.

PROPER HANDLING

The tool is designed for as a one handed control operation for sanding operations.

PARTS OF THE TOOL

1 - Identification plate.
2 - ON/OFF / speed regulation Knob.
3 - Abrasive sheet (not supplied).
4 - Velcro faced swallow backing pad for orbital movement.
5 - Motor ventilation slots.
6 - Magnetic flange.
7 - ON/OFF switch lever.
8 - Battery pack 10,8V cod. 9HB125LT.
9 - Battery level LED.
10 - Power supply cod. 9HP120LT (optional).
11 - Hexagonal shaft to attach magnetic backing pads.
12 - Functional Unit ø2 mm orbit.
13 - Velcro faced round backing pad for random orbital movement.

MOTOR

WARNING: To reduce the risk of injury, only the Li-ION Battery Pack 9HB125LT (8) or the Power supply 9HP120LT (10) (optional) for the motor supply should be used with this product.

The tool is operated by a DC motor. Since the batteries, other than those offered by Rupes, have not been tested with this product, use of such batteries with this tool could cause the injury and property damage.

S**WITCH**

WARNING: To reduce the risk of injury, turn the knob (2) until OFF position after any use.

To turn the unit on, rotate the potentiometer knob (2) and set up the speed from 1 to 5 value. Push the switch lever (7) towards the body of the tool.
To turn it off, release the lever and rotate the potentiometer knob until OFF position.

MAGNETS

WARNING: Magnets produce a far-reaching, strong magnetic field.

They could damage tvs and laptops, computer hard drives, credit and atm cards, data storage media, mechanical watches, hearing aids and speakers. Keep magnets away from devices and objects that could be damaged by strong magnetic fields.

WARNING: It contains magnets. Magnets could affect the functioning of pacemakers and implanted heart defibrillators. Please avoid contacts with the tool if you or someone near you has a Pacemaker. Avoid damage of the Pacemaker.

- A pacemaker could switch into test mode and cause illness.
- A heart defibrillator may stop working.
- If you wear these devices keep sufficient distance to magnets.
- Warn others who wear these devices from getting too close to magnets.

Magnets are contained into the flange (6), into the backing pads (4, 13) and into the DC motor.

ELECTRONIC CONTROLLER

The main functions of electronic controller are: Speed control, Batteries and motor protection, Battery pack level indication.

Speed control
The speed of your tool can be changed by rotating the speed regulation knob (2) to the desired setting. The speed regulation knob (2) can be set for any speed between 2000 and 5000 RPM.

Batteries and motor protection
The electronic protection protects the motor and batteries from overheating. Also it guarantee a longer life of both.
NOTICE: in a case of overcurrent caused by repeated starts or excessive overloads, the protection in the current turns off the tool and the RED blinking light will be shown in a battery pack level indication.

Battery pack level indication
The battery level LED show the charge level of the batteries changing the colour:
GREEN: from 100% to 50% batteries charge
YELLOW: from 50% to 20% batteries charge
RED: from 20% to 0% batteries charge
RED BLINKING: 0% battery charge: the tool does not start.

STARTING UP
Before starting-up the tool ensure that:
- the packaging is complete and does not show signs of having been damaged during storage or transport;
- the tool is complete; check that the number and type of components complies with that reported in this instruction booklet.

ACCESSORIES ASSEMBLY
WARNING: Before (dis)assembling the tool assure that the speed regulation Knob (2) is in OFF position

BACKING PAD MAGNETIC ATTACHMENT
CAUTION: Accessories must be rated for at least the speed recommended on the tool-warning label. Accessories running over rated speed can fly apart and cause injury. Accessory ratings must always be above tool speed as shown on tool nameplate.
WARNING: Backing pads must be removed pulling on his axis, as shown in Fig. 5. For your safety, if you try to bend the backing pad to remove it, it will not come off (Fig. 6).
Ensure that the hexagon (11) (Fig. 4) is in a correct position to match the backing pad hexagonal recess. If the round backing pad (13) is attached, the power tool movement is random orbital. If the swallow backing pad (4) is attached, the power tool movement is orbital.

ABRASIVE SANDING SHEET (Not provided)
CAUTION: Accessories must be rated for at least the speed recommended on the tool-warning label. Accessories running over rated speed can fly apart and cause injury. Accessory ratings must always be above tool speed as shown on tool nameplate.
Assemble the abrasive sanding sheet (3) (Fig. 1) on the velcro surface of the backing pad (4). Press the abrasive sanding sheet to attach it to the backing pad.

BATTERY PACK (Provided or Optional)
WARNING: Avoid short circuiting the contacts. Avoid mechanical damage of the battery pack. Do not open or disassemble. Advice on protection against fire and explosion. Keep away from open flames, hot surfaces and sources of ignition.
Temperature in excess of 45°C reduce the performance of the battery pack. Avoid extended exposure to heat or sunshine. Storage at room temperature (approx. 20°C) at approx. 20~60% of the nominal capacity. Every six months of storage, charge the battery pack as normal.

Intended use
The battery pack 9HB125LT (Fig. 7) is used as the power source for Rupes Q-MAG NANO iBrid tool HQM83/ HQM83L.

Battery pack 9HB125LT specifications
WARNING: for technical data refer to the label of Battery pack 9HB125LT. To reduce the risk of injury or explosion, never burn or incinerate a tool's battery pack even if it is damaged, dead or completely discharged. When burned, toxic fumes and materials are created.

Model	Chemistry	Voltage (V)	Capacity (Ah)	Energy (Wh)	Weight (kg)
9HB125LT	Lithium Ion	10.8	2,5	27÷27,75	0.183 ±0.005

WARNING: charge Rupes Li-ION Battery pack 9HB125LT only in the Rupes Li-ION Battery Charger 9HC120LT. Other types of batteries may cause personal injury and damage.
This tool's battery pack and charger are not compatible with NiCd or NiMH systems.

When to charge
Charge your battery tool when convenient for you and your job. The Rupes Q-MAG NANO iBrid tool Battery pack does not develop "memory" when charged after only a partial discharge. It is not necessary to run down the battery tool pack before placing it on the charger. Use the led Battery pack 9HB125LT level indication on the Rupes Q-MAG NANO iBrid tool HQM83/HQM83L to determine when to charge the Rupes Battery pack.

Charge the battery pack 9HB125LT
The battery pack(s) contained in the kit shall be charger before use. The provided battery is charged <30%. In order to charge connect the Li-ion battery with a charging station 9HC120LT till the charging is completed.

WARNING
For your personal safety, READ and UNDERSTAND the instruction manual of charging station 9HC120LT before using.

Assemble battery pack 9HB125LT
WARNING: Before (dis)assembling the tool assure that the speed regulation Knob (2) is in OFF position.
In order to assemble the battery pack push two clips (Fig. 7) at the same time and insert the battery pack in the tool till it is fixed.
In order to disassemble push two clips at the same time and extract the battery from a tool (Fig. 8).

POWER SUPPLY (provided or optional)

WARNING
For your personal safety, READ and UNDERSTAND the instruction manual of Power supply 9HP120LT before using.

Assemble power supply 9HP120LT (10)
WARNING: Before (dis)assembling the tool assure that the speed regulation Knob (2) is in OFF position.
In order to assemble the power supply block push two clips (Fig. 9) at the same time and insert the power supply block in the tool till it is fixed. In order to disassemble push two clips at the same time and extract the power supply block from a tool (Fig. 10)

BEFORE STARTING THE TOOL
Ensure that :
- the electric system conforms with the characteristics indicated on a label and the power supply cable and plug are in perfect condition (when the tool is used with a battery pack 9HP120LT)
- the battery pack is in a perfect condition and is charged (see Battery pack level indication)
- the ON/OFF switch works properly with the power supply 9HP120LT/battery pack 9HB125LT disconnected;
- all the parts of the tool have been assembled in the proper manner and that there are no signs of damage;
- the ventilation slots are not obstructed.

STARTING AND STOPPING
- **Starting**: rotate the potentiometer knob (2) and set up the speed from 1 to 5 value. Push the switch lever (7) towards the body of the tool.
- **Stopping**: release the lever and rotate the potentiometer knob until OFF position.

WARNING: if a case of unusual vibration, or dismatching of the backing pad is present after a start of the tool, switch-off the tool immediately and eliminate the fault.

FAILURE TO START
If a tool is failed to start, in a case of:

1) **the machine is used with a battery** – assure that the battery pack is charged (see Battery pack level indication (9)); assure the battery was inserted correctly;
2) **the machine is used with a power supply** – check to make sure the prongs on the cord plug are making good contact in the outlet; check if the current is present in the plug. Also, check for blown fuses or open circuit breakers in the line.

MAINTENANCE AND SERVICING

WARNING: To reduce the risk of injury, turn unit off and disconnect it from power source (when machine is connected to a power supply) or battery pack (when machine is connected to a battery pack) before installing and removing accessories, before adjusting or when making repairs. Be sure the switch is in the "OFF" position. An accidental start-up can cause injury.

CLEANING

WARNING: Regularly clean the magnetic attach in the backing pad and the magnetic flange. The orbital movement and the backing pad position are guaranteed without the presence of metallic powder. At the end of each work session, or when required, remove any dust from the body of the tool using a soft cloth, paying particular attention to the motor ventilation slots.

LUBRICATION

This tool has been lubricated with a sufficient amount of high grade lubricant for the life of the unit under normal operating conditions. No further lubrication is necessary.

REPAIRS

Maintenance and cleaning of the inner parts like ball bearings, gears etc. or others, must be carried out only by an authorized customer service workshop.

WARRANTY

Complying with current applicable regulations and subject to more favorable conditions that could apply in different countries, **RUPES** professional tools are supplied with a 12 months warranty against manufacturing defects from date of purchase. Only **RUPES** original parts and accessories must be employed with **RUPES** tools. **RUPES** is not responsible for any damages or accidents caused by not abiding to this rule and the warranty shall terminate if non-original parts are employed.
Damages caused by natural wear and tear, overloading, faulty maintenance and tool usage differing from the one specified in the user guide, are not covered by this warranty. A tool which has been proven faulty must be delivered to an authorized.
RUPES service center along with its fully filled out warranty certification and document of purchase. Warranty shall be void if tool should be delivered disassembled or tampered.
This warranty does not in any way imply tool's replacement.
RUPES SpA reserves the right to make specifications or design changes to its products without further notice. **RUPES** does not accept any responsibility for any possible printing mistake. This document supersedes all previously printed one.
FREE LABEL REPLACEMENT: If your labels become illegible or are missing, cal 0039 02 94 694 1 **RUPES** spa for a free replacement..

Rupes Q-MAG NANO iBrid tool Part Numbers:

HQM83 – Short neck Rupes Q-MAG NANO iBrid tool
HQM83L – Long neck Rupes Q-MAG NANO iBrid tool
9HC120LT – Li-ION Battery Charger
9HB125LT – Li-ION Battery pack
9HP120LT – Rupes NANO iBrid tool Power Supply

Vermezzo (MI), 2020/09/10
Technical file at:
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RUPES S.p.A.
The President
G. Valentini

Cod. 9.2818 - 6/2021

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