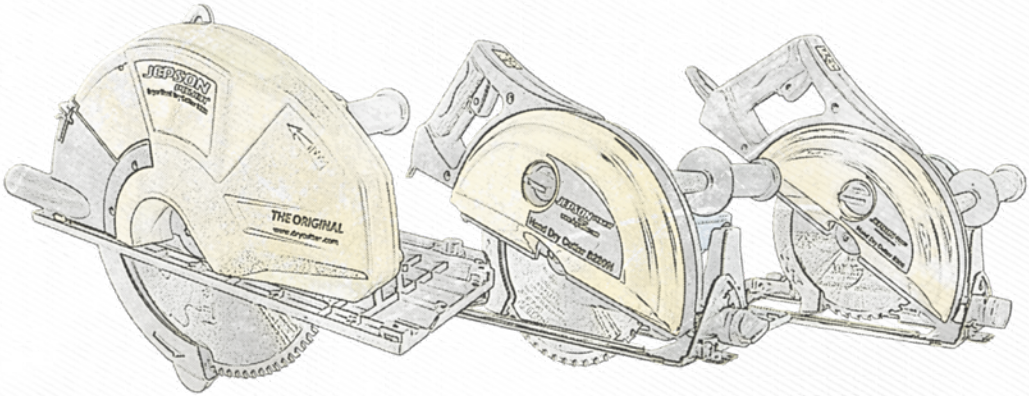
JEPSON POWER® GERMANY
Leading Through Innovation

Management System ISO 9001:2015

METAL CUTTING CIRCULAR SAW

SHDC 8320 | HDC 8230N | HDC 8200

EN	METAL CUTTING CIRCULAR SAW
DE	METALLKREISSÄGE
FR	SCIE CIRCULAIRE A COUPE DE MÉTAL
NL	METAAL CIRKELZAAG
ES	SIERRA CIRCULAR PARA CORTE DE METALES
PT	SERRA CIRCULAR DE CORTE DE METAL
IT	SEGA CIRCOLARE PER IL TAGLIO DEI METALLI



- (EN) Operating instructions
- (DE) Betriebsanleitung
- (FR) Mode d'emploi
- (NL) Handleiding
- (ES) Instrucciones de servicio
- (PT) Instruções de utilização
- (IT) Istruzioni per l'uso

GENERAL

1. EC- DECLARATION OF CONFORMITY - SHDC 8320

(according to Appendix IIA of the machine Directive)

We, **Jepson Power GmbH, Ernst – Abbe – Straße 5, 52249 Eschweiler, Germany**, as the manufacturer declare herewith under our responsibility that the product:

Name:	Super Hand Dry Cutter SHDC 8320
Manufacturing date:	See machine label
Serial number:	See machine label

complies with the following standards, directives and referenced standard documents:

2006/42/EC	Machinery Directive
2014/30/EU	EMC Directive
2014/65/EU	RoHS Directive

CE

EN 62841-1 :2015
EN 62841-2-5:2014
EN 55014-1 :2017
EN 55014-2:2015
EN 61000-3-2:2014
EN 61000-3-3:2013

Pierre Michiels, Managing Director
Name, Position

Eschweiler, 01.01.2023

2. EC- DECLARATION OF CONFORMITY - HDC 8230 & HDC 8200

(according to Appendix IIA of the machine Directive)

We, **Jepson Power GmbH, Ernst – Abbe – Straße 5, 52249 Eschweiler, Germany**, as the manufacturer declare herewith under our responsibility that the product:

Name:	Hand Dry Cutter HDC 8230N | Hand Dry Cutter HDC 8200
Manufacturing date:	See machine label
Serial number:	See machine label

complies with the following standards, directives and referenced standard documents:

2006/42/EC	Machinery Directive
2014/30/EU	EMC Directive

CE

EN 60745-1 :2009+A11 :2010
EN 60745-2-5 :2010
EN 62233 :2008
EN 55014-1 :2006+A1 :2009+A2 :2011
EN 55014-2 :1997+A1 :2001+A2 :2008
EN 61000-3-2 :2006+A1 :2009+A2 :2009
EN 61000-3-3 :2008

Pierre Michiels, Managing Director
Name, Position

Eschweiler, 01.01.2023

3. SPECIFICATIONS

Machine	SHDC 8320	HDC 8230N	HDC 8200
Voltage (see machine label)	230 V / 50 Hz 110 V / 60 Hz	230 V / 50 Hz 110 V / 60 Hz	230 V / 50 Hz
No load speed	1.700 rpm	2.200 rpm	3.700 rpm
Power input	1.800 W	1.700 W	1.700 W
Max. saw blade diameter	320 mm | 12 5/8"	230 mm | 9"	203 mm | 8"
Bevel capability	0°	0°~45°	0°~45°
Arbor hole diameter	25,4 mm | 1"	25,4 mm | 1"	25,4 mm | 1"
Max. cutting depth	120 mm | 4.72" (on guide rail)	90°: 82 mm | 3.22" 45°: 56 mm | 2.20"	90°: 67 mm | 2.63" 45°: 42 mm | 1.65"
Net weight	8,4 kg | 18,5 lbs	7,1 kg | 15,7 lbs	6,3 kg | 13,9 lbs
Noise level ISO1999 DIN45635	99,0 dB (A)	88,5 dB (A)	88,5 dB (A)
Sound pressure level	110,0 db(A)	99,5 db(A)	99,5 db(A)
Hand-arm vibration	1,4 m/s^2	1,0 m/s^2	1,0 m/s^2

Information referred to 2.2 of Annex 1 of the E. G. Directive on vibrations)

4. USER INSTRUCTIONS

Notes for the customer

The instruction manual includes important instructions as to how to operate the machine safely, correctly and economically. Observing these instructions helps to avoid risks, repair costs and downtimes and to increase the reliability and lifetime of the machine.

The instruction manual must be read and used by each person who works with the electrical equipment. This applies in particular to the "Safety Instructions" chapter. It is too late to read the manual and safety instructions when work is actually being carried out at the machine.

Always keep one copy of this manual next to the machine so that it is at hand ready to be consulted!

In case of any doubt or questions, always contact the machine manufacturer.

In addition to the instruction manual, the accident prevention regulations which apply in the country of use and the user location must be adhered to. In addition, the recognised technical rules regarding accident prevention must be observed.

Liability and warranty

All the information contained in this instruction manual has been drawn up to the best of our knowledge and belief, taking our experience to date into consideration.

The original version of this instruction manual was drawn up in the German language and was checked by us for accuracy of content. The translation into the respective national/contractual language was carried out by a recognised translation agency.

This instruction manual has been put together with the greatest of care. However, if you should discover any incomplete items or mistakes, please inform us in writing. Your suggestions for improvement will help us to create a user-friendly manual.

Subsequent Orders and Copyright

Further copies of this instruction manual can be ordered from the address below. We ask for your understanding that further copies are subject to charge.

Jepson Power GmbH
Ernst-Abbe-Straße 5
D-52249 Eschweiler
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Fax: +49 (0)2403 – 6455-15
Mail: info@jepson.de

Abbreviations

V	Volt
A	Ampere
Hz	Hertz
W	Watt
~	AC
/min	Revolutions per minute rpm
N	Newton

5. SAFETY INSTRUCTIONS

The basic prerequisite for safe handling and disturbance-free operation of this electric tool is knowledge of the basic safety instructions. In addition, the accident prevention rules and regulations which apply in the user location must be adhered to, as well as the recognized rules of the trade with regard to safety and correct working methods.
It is not permitted to use the electric tool for other purposes than those intended by the manufacturer. Such use could give rise to unforeseeable risks.
Local working and safety rules and laws must always be followed. The same applies to regulations which apply to the environment.
Safety equipment must never by removed or bridged over.
When using oils, greases and other chemical substances, the safety regulations which apply to the particular product must always be observed! Contact with chemicals should be avoided as far as possible. Before it is permissible to work with these substances the instructions for use on the packaging must be read and followed. This applies for all chemicals, therefore also for cleaning media.
All notes and signs regarding safety and possible risks must be kept in a fully legible condition.

5.1. ILLUSTRATION OF SAFETY INSTRUCTIONS

The following symbols are used in the instruction manual:

Warning against possible danger of injury or danger to life for persons

Warning against possible damage to property or the environment

Warning against dangerous electrical voltage

Warning against hot surfaces

Ignoring these instructions can lead to serious damage to health, up to life-threatening injuries!

This symbol indicates important information

Hazardous to the environment

5.2. GENERAL SAFETY INSTRUCTIONS

This electric tool fulfils the basic EC safety and health regulations. Nevertheless, dangerous situations can arise.

All safety equipment must be maintained in perfect condition.

Always pay attention to moving parts. These can cause injury because of their movement or by sudden movement.

Only use the electric tool when it is in perfect condition from the technical point of view, and only use it for intended purpose while being aware of safety issues and risks, and paying attention to the instruction manual! In particular, have any disturbances which could have a negative effect on safety corrected immediately!

WARNING! It is essential to read all the instructions. Mistakes which are made while attempting to follow the below instructions can cause electric shock, fire and/or serious injury. The following term "Electric tool", refers to mains-powered electric tools (with mains cable) and battery-powered electric tools (without mains cable).

KEEP THESE INSTRUCTIONS IN A SAFE PLACE.

Work Area Safety

Keep your work area clean and well lit. Cluttered benches and dark areas invite accidents.

Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquid, gases, or dust. Power tools create sparks, which may ignite the dust or fumes.

Keep bystanders, children, and visitors away while operating a power tool. Distractions can cause you to lose control.

Electrical Safety

Earthed tools must be plugged into an outlet properly installed and earthed in accordance with all codes and ordinances. Never remove the earthing prong or modify the plug in any way. Do not use any adaptor plugs. Check with a qualified electrician if you are in doubt as to whether the outlet is properly earthed. If the tools should electrically malfunction or break down, earthing provides a low resistance path to carry electricity away from the user.

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.

Don't expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

Don't abuse the cord. Never use the cord to carry the tools or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately. Damaged or entangled cords increase the risk of electric shock.

When operating a power tool outside, only use authorized cords for outdoor work. These cords are rated for outdoor use and reduce the risk of electric shock.

If operating a power tool in a damp location is unavoidable, use an earth leakage circuit breaker. Use of an earth leakage circuit breaker reduces the risk of electric shock.

Personal Safety

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

Use safety equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hardhat, or hearing protection used for appropriate conditions will reduce personal injuries.

Avoid accidental starting. Be sure switch is off-position before connecting to power source, picking up or carrying the tool. Carrying tools with your finger on the switch or plugging in tools that have the switch on invites accidents

Remove any adjusting key or wrenches before turning the tool on. A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.

Do not overreach. Keep a proper footing and balance at all times. Proper footing and balance enables better control of the tool in unexpected situations.

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.

Tool use and care

Do not force tool. Use the correct tool for your application. The correct tool will do the job better and safer at the rate for which it is designed.

Do not use tool if switch does not turn it on and off. Any tool that cannot be controlled with the switch is dangerous and must be repaired.

Disconnect the plug from the power source before making any adjustments, changing accessories, or storing the tool. Such preventive safety measures reduce the risk of starting the tool accidentally.

Store idle tools out of reach of children and do not allow persons unfamiliar with the power tool or

these instructions to operate the power tool. Tools are dangerous in the hands of untrained users.
Maintain tools with care. Keep cutting tools sharp and clean. Properly maintained tools, with sharp cutting edges are less likely to bind and are easier to control.
Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tools operation. If damaged, have the tool serviced before using. Poorly maintained tools cause many accidents.
Use the power tool, accessories and blades etc., in accordance with these instructions and in the manner intended for the particular type of power tool, 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.
Use clamps or other practical way to secure and support the work piece to a stable platform. Holding the work by hand against your body is unstable and may lead to loss of control.
Use only accessories that are recommended by the manufacturer for your model. Accessories that may be suitable for one tool may become hazardous when used on another tool.


Service
Only qualified repair personnel must perform tool service. Service or maintenance performed by unqualified personnel could result in a risk of injury.

When servicing tool, use only identical replacement parts. Follow instructions in the maintenance section of this manual. Use of unauthorized parts or failure to follow maintenance Instructions may create a risk of electric shock or injury.

5.3. SPECIFIC SAFETY RULES

DANGER: Keep hands away from cutting area and blade. Keep your second hand on auxiliary handle. If both hands are holding the saw, they cannot be cut by the blade.

WARNING! Do not reach underneath the work. The guard cannot protect you from the blade below the work.

Adjust the cutting depth to the thickness of the workpiece. Less than a full tooth of the blade teeth should be visible below the workpiece.

NEVER hold piece being cut in your hands or across your leg. It is important to support the work properly to minimize body exposure, blade binding, or loss of control.

WARNING! Hold tool by insulated gripping surfaces when performing an operation where the cutting tools may contact hidden wiring or its own cord. Contact with a "live" wire will make exposed metal parts of the tool "live" and shock the operator.

When ripping, always use a rip fence or straight edge guide. This improves the accuracy of cut and reduces the chance of blade binding. Always use blades with correct size and shape of arbour holes. Blades that do not match the mounting hardware of the saw will run eccentrically, causing loss of control.

WARNING! Never use damaged or incorrect arbor flanges or bolts. The arbor flanges and bolt were specially designed for your saw, for best performance and safety of operation

Important: Kickback causes and related warnings
Kick back is a sudden reaction to a pinched, bound or misaligned saw blade, causing an uncontrolled saw to lift up and out of the workpiece toward the operator;
When the blade is pinched or bound tightly by the kerf closing down, the blade stalls and the motor reaction drives the unit rapidly back toward the operator;
Kickback is the result of saw misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below.
Maintain a firm grip with both hands on the saw and position your arms to resist kickback forces.
Position your body to either side of the blade, but not in line with the blade.
Kickback could cause the saw to jump backwards, but kickback forces can be controlled by the operator, if proper precautions are taken.

When blade is binding, or when interrupting a cut for any reason, release the trigger and hold the saw motionless in the material until the blade comes to a complete stop. Never attempt to remove the saw from the work or pull the saw backward while the blade is in motion or KICKBACK may occur. Investigate and take corrective actions to eliminate the cause of blade binding.

When restarting a saw in the workpiece, center the saw blade in the kerf and check that teeth are not engaged into the material.
If saw blade is binding, it may walk up or KICKBACK from the workpiece as the saw is restarted.
Support large panels to minimize the risk of blade pinching and KICKBACK. Large panels tend to sag under their own weight. Supports must be placed under the panel on both sides, near the line of cut and near the edge of the panel. Do not use dull or damaged blade. Dull blades produce a narrow kerf causing excessive friction, blade binding, and KICKBACK.
Blade depth and bevel adjusting locking levers must be tight and secure before making cut. If blade adjustment shifts while cutting, it may cause binding and kickback.

Use only recommended blades, rated at the machine's maximum rated RPM or higher with correct arbor hole.

Guard function
Check guard for proper closing before each use. Do not operate the saw if guard does not move freely and enclose the blade instantly. Never clamp or tie the guard so that the blade is exposed. If saw is accidentally dropped, guard may be bent. Check to make sure that guard moves freely and does not touch the blade or any other part, in all angles and depths of cut.

Check the operation and condition of the guard return spring. If the guard and the spring are not operating properly, they must be serviced before use. Guard may operate sluggishly due to damaged parts, gummy deposits, or a build-up of debris.

Lower guard may be retracted manually only for special cuts such as "plunge cuts". Raise lower guard by projecting portion and as soon as blade enters the material, the lower guard must be released. For all other sawing, the lower guard should operate automatically.

Always observe that the guard is covering the blade before placing saw down on bench or floor.

An unprotected, coasting blade will cause the saw to walk backwards, cutting whatever is in its path. Be aware of the time it takes for the blade to stop after switch is released.

Tighten blade retaining bolt and all clamps before operating.
Secure workpiece properly. Workpiece should be straight and firmly clamped to avoid possible movement and pinching as the cut nears completion.

Allow the blade to come to a complete stop before removing or securing workpiece, or changing workpiece angle.

Check the inside surfaces of the arbor flanges as well as the sides of the blade for freedom from any foreign matter.
Check the blade for cracks or other damage before operation. Replace cracked or damaged blade immediately.
Never start the tool with the workpiece against the blade.
Allow the motor to achieve full speed before cutting.
Important: After completing the cut, release power switch and wait for coasting blade to stop completely before putting the saw down.
Never operate the tool in an area with flammable solids, liquids, or gases. Sparks from the commutator/carbon brushes could cause a fire or explosion.
There are certain applications for which this tool was designed. The manufacturer strongly recommends that this tool NOT be modified and/or used for any application other than for which it was designed. If you have any questions relative to its application DO NOT use the tool until you have written the manufacturer and have been advised

WARNING: Always wear hearing protection with this tool.

SUPER HAND DRY CUTTER 8320

6. DESCRIPTION

7. FUNCTIONAL DESCRIPTION

7.1. INTENDED USE

This saw is designed exclusively for the sawing of rigid insulation panel, sandwich panel, aluminum, steel and plastics. This machine should not be used for cutting other materials. Do not use this saw to cut wood. The machine should not be converted or modified, e.g. for any other form of use, other than as specified in these operating instructions. The user shall be liable for damages and accidents due to incorrect use.

CAUTION: Do not overheat the blade tips. Use of undue force will not speed up the cutting operation. Allow the tool to determine the best feed rate.

CAUTION: When sawing plastics, avoid melting the plastic.

7.2. ELECTRICAL CONNECTION

The network voltage must conform to the voltage indicated on the tool name plate. Under no circumstances should the tool be used when the power supply cable is damaged. A damaged cable must be replaced immediately by an authorized Customer Service Center. Do not try to repair the damaged cable yourself. The use of damaged power cables can lead to an electric shock.

7.3. EXTENSION CABLE

If an extension cable is required, it must have a sufficient cross-section so as to prevent an excessive drop in voltage or over-heating. An excessive drop in voltage reduces the output and can lead to failure of the motor. The following table shows you the correct cable diameter as a function of the cable length for this machine. Use only U.L. and CSA listed extension cables. Never use two extension cables together. Instead, use one long one

Total Extension Cord Length (feet)	Cord Size (AWG)
25	16
50	12
100	10
150	8
200	6

7.4. SAW BLADE

Only use original saw blades with a diameter in accordance with the markings on the tool name plate:

Only use saw blades with blade set (cutting width) of 2.2 mm and blade thickness 1.8 mm.

Saw blades must be suitable for speeds of up to 1700 min -1or faster. Do not use any abrasive wheel with this machine.

7.5. UNPACKING

Carefully remove the tool and all loose items from the shipping container. Retain all packing materials until after you have inspected and satisfactorily operated the machine.

NOTE: An appropriate blade must be mounted to the machine before operating. Refer to the section of this manual: "INSTALLING THE SAW BLADE"

Carton contents:

- SUPER Hand Dry Cutter 8320
- Original Jepson carbide tipped saw blade 320x2.2x25.4x84T
- M5 L-hex key

WARNING! DO NOT OPERATE THIS TOOL UNTIL YOU READ AND UNDERSTAND THE ENTIRE INSTRUCTION MANUAL

7.6. INSTALLING THE SAW BLADE

Inner arbor flange

ENSURE THAT THE MACHINE IS DISCONNECTED FROM POWER SOURCE

To install the blade:

Remove any accumulated debris in the guards and around the arbor.

Clean the inner arbor flange. Orient the flange so that the correct side faces the blade and place the new blade on the arbor,
making sure that the teeth point forwards.

Place the outer arbor flange on the arbor with the correct side toward the blade.

NOTE: Use blades that have an arbor bore which can fit, and that are rated for the machine's

maximum rated speed or higher. Avoid contact with blade teeth to prevent personal injury.

NOTE: Take care to ensure that the blade is centered (it is possible to tighten the blade crooked between the flanges).

Replace and finger-tighten the blade retaining bolt by turning it clockwise.

Arbor lock lever

Push in the arbor lock lever and rotate the arbor by hand until the lock engages the arbor. Tighten the blade retaining bolt securely. Rock the arbor with the wrench to ensure that the arbor lock has released and release the arbor lock.

7.7. REMOVING THE BLADE

DISCONNECT THE MACHINE FROM POWER SOURCE.

Removal is the opposite of installing the blade, but special care must be taken to avoid injury from the blade.

Push in the blade lock lever and rotate the arbor with the wrench on the retaining bolt until the lock engages the arbor. Loosen the blade retaining bolt with the provided wrench and release the arbor lock.

Completely unscrew the blade retaining bolt and lift it and the outer flange away, taking care not to drop the blade.

Carefully rotate the lower blade guard out of the way. The blade may now be removed.

7.8. ADJUST CUTTING DEPTH

DISCONNECT THE MACHINE FROM POWER SOURCE.

Depth lock lever

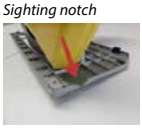
Adjust the cutting depth as desired. A depth scale is provided. Loosen the depth lock lever and set the depth to the desired level. Then tighten the lever.

Depth lock scale

WARNING: Depth adjusting locking lever must be tight and secure before making cut. If blade adjustment shifts while cutting, it may cause binding and kickback.

7.9. USE OF SIGHTING NOTCH

Sighting notch



To aid in free-hand cutting, a sighting notch is located at the front of the base.
Align the cutting line on the work-piece with the sighting notch. Additionally, the blade is visible through small gaps in the cover for aligning the blade perfectly with the intended line of cut.

7.10. BLADE GUARD

To test the function of the lower blade guard, rotate the guard through the full stroke of its travel and ensure that the guard is able to fully return back to the closed position under its own spring tension. If the guard is found to be sluggish or if it sticks in any position, the problem will need to be remedied before the machine is used again. It usually just needs to be cleaned. To clean, first remove the sawblade and then clean all around the rotating joint of the guard. All other repairs should be performed by an authorized service center.

Kick lever

Kicker Lever: When cutting materials with bigger dimension/ cutting depth , such as sandwich panel, often the lower blade guard will not be able to bump open automatically. In this case the kicker lever may be used to allow the lower blade guard to open just enough to get started. Simply push the lever with the thumb of the left hand without removing one's hand from the side handle. After it begins, allow the guard to function automatically as usual.

Lower blade guard

7.11. DUST COLLECTION SYSTEM

Dust collection should always be used to minimise dust. Attach an appropriate hose and vacuum cleaner system to the dust extractor port on the machine.

Dust chamber

If a vacuum cleaner is not available, close the cap of the dust port. There is a dust chamber which can collect a small amount of dust or chips which is built into the upper blade guard. Clear the dust chamber frequently to avoid it being overfilled. To

clear the dust chamber, push up on the clip and rotate the dust chamber cover to the open position and dump out the dust. Once finished clip the cover back to the closed position.

8. START AND STOP OF THE MACHINE

Make sure that the power circuit voltage is the same as that shown on the specification plate of the machine and that switch is "OFF" before connecting the tool to the power circuit.

8.1. SWITCHING THE MACHINE ON AND OFF

Keep the machine steady during switching and during use by holding the main handle and the side handles with both hands.

Lock release button

Trigger switch

To switch on: first push the lock release button , and then press the trigger switch.

To switch off:

Release the trigger switch. After the machine has been switched off, the sawblade will still rotate for a time. Take care that parts of your body do not come in contact the saw blade while it is still rotating!

As soon as you remove the machine from the work-piece, always allow the lower blade guard to close completely. In this way the sawblade is again completely covered by the outer protective cover

8.2. ELECTRONIC OVERLOAD PROTECTION AND LOAD INDICATOR LIGHT

Load indicator light

This machine is equipped with a load indicator light that will inform the operator of load conditions. Whenever the switch is turned on and load conditions are normal, the indicator light will be a solid green color. If load is approaching overload conditions, the indicator light will flash red. I f the operator continues to run the machine in overload conditions for a sustained period of time, the electronic overload protection unit will shut the machine off. The higher the level of overload, the more quickly the machine will shut down.

When this happens, always remove the machine from the work-piece and run the machine at no load for a few minutes to allow the motor to cool down before continuing to avoid a burn out of the motor.

8.3. USE OF THE MACHINE

Effective control of this powerful saw requires two-handed operation for maximum protection.

Do not use this tool continuously over 30 minutes. Support the work properly and hold the saw firmly WITH BOTH HANDS to prevent loss of control which could cause personal injury. Always hold the side handle with the left hand and the rear handle with the right hand for proper hand support of the saw. Protect your eyes from injury with safety glasses or goggles. Do not use cutting fluids or lubricants on the blade.

Sawing

The machine must reach full speed before cutting begins and should only be switched off once cutting has finished. Only operate the saw away from you (pushing the circular saw forwards) and never towards you (pulling the circular saw backwards). If you saw towards you, there is the danger that the circular saw might be accelerated out of the cutting groove (recoil) and cause serious injury.

The lower blade guard should open automatically when it hits the edge of the work-piece. If it doesn't open automatically, give it a little help at the beginning of the cut by pushing the kicker lever with the thumb of the left hand. This will open the lower blade guard by about 20 degrees.

Sawing sections:

Make sure the cutting depth is set as desired. Place the front part of the saw bench on the work-piece. Switch the machine on. Push the machine in the direction of cut. Take care that the saw base remains firmly on the work-piece. Switch the machine off and allow the lower blade guard to close completely when cutting is completed. The depth is there to adapt the position of the saw blade on the material.

Clamping the workpiece

Secure the work-piece properly. The work-piece should be straight and firmly clamped to avoid possible movement and pinching as the cut nears completion. Provide adequate support for long or wide work-pieces. Never position large or long work-pieces so that they bend in the middle or at the cutting face. This can lead to the saw blade jamming and kicking back. Instead, support the work-piece with several wooden battens, close to the cutting face. Confirm that the blade has come to a complete stop before removing or securing the work-piece, or changing the work-piece angle.

CAUTION: Keep the cord away from cutting area to prevent it from becoming entangled in the work-piece.
Do not force the cut. Let the saw do the cutting at the rate of speed permitted by the type of cut and work-piece.

8.4. CUTTING GUIDE

Guide clearance adjustor

Guide rails are available to assist in making precise straight cuts and enhance safety. (These are an optional accessory) The guide rail may be secured with C-clamps if desired. There are 2 guide clearance adjustors for optimum fit and safety. Adjust these equally so that there is no looseness, yet the base still slides freely.

The rubber sighting strip:
The sighting / anti-splinter strip must be cut to size along its full length before the first use. The rubber strip must be backed by a work-piece when it is cut for the first time.

CAUTION: Failure to use a backing work-piece on the first cut may result in the rubber strip being torn or damaged by the blade

Once it is cut to size, it will perfectly correspond to the cutting edge and will also help to protect the material from splintering. Once it is sized, the operator can know at a glance exactly where the line of cut will be. This saves a lot of time and effort in making precise cuts.

9. MAINTENANCE AND REPAIR

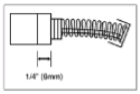
9.1. KEEP TOOL CLEAN

Periodically blow out all air passages with dry compressed air. All plastic parts should be cleaned with a soft damp cloth. NEVER use solvents to clean plastic parts. They could possibly dissolve or otherwise damage the material.

Wear safety glasses while using compressed air.

Clean all parts of the lower blade guard mechanism to ensure smooth operation.

9.2. REPLACEMENT OF CARBON BRUSHES



The carbon brushes are a normal wearing par t and must be replaced when they reach their wear limit.

Kohlebürstenhalter

To replace:
Remove the brush caps and withdraw the old brushes. Replace with new brushes (always replace as a pair) ensuring that they align properly and slide freely. Installation is the reverse of removal. Then replace the brush caps.

CAUTION: Always replace the brushes as a pair.

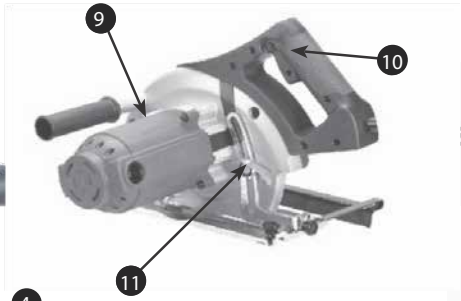
9.3. STANDARD ACCESSORIES

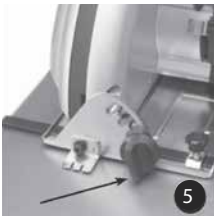
- **Carbide tipped saw blade 320x84T**
- **5 mm L-hex key**

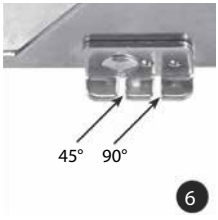
If the replacement of the power supply cord is necessary, this has to be done by the manufacturer or their agent in order to avoid a safety hazard

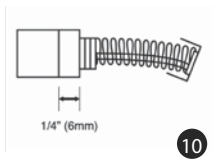
HAND DRY CUTTER 8230N | 8200

10. DESCRIPTION









11. APPLICATION

1. Do not use abrasive wheels with this machine. Use only original Jepson Power saw blades
2. Tighten blade retaining bolt and all clamps before operating.
3. Secure work piece properly. Work piece should be straight and firmly clamped to avoid possible movement and pinching as the cut nears completion.
4. Allow the blade to come to a complete stop before removing or securing workpiece, or changing workpiece angle.
5. Check the inside surfaces of the arbor flanges as well as the sides of the blade for freedom from any foreign matter.
6. Check the blade for cracks or other damage before operation. Replace cracked or damaged blade immediately.
7. Never start the tool with the work piece against the blade.
8. Allow the motor to achieve full speed before cutting.
9. After turning tool "ON", gently push the tool forward to engage work piece, then slowly increase pressure as required to produce the least amount of "sparking".
10. Important: After completing the cut, release power switch and wait for coasting blade to stop completely before putting the saw down.
11. Never operate the tool in an area with flammable solids, liquids, or gases. Sparks or hot fragments could cause a fire or explosion.
12. This tool is designed for ferrous metals only. Do not attempt to cut wood, masonry, magnesium, or any other pyrophoric materials with this tool.
13. Do not use cutting fluids or lubricants on the blade.
14. Some metals have coatings, which can be toxic. Take extra care to prevent inhalation and skin contact when working with these materials. Request, and follow, any safety information available from your material supplier.
15. There are certain applications for which this tool was designed. The manufacturer strongly recommends that this tool NOT be modified and/ or used for any application other than for which it was designed. If you have any questions relative to its application DO NOT use the tool until you have written the manufacturer and have been advised.

Metal chips are often very sharp and hot. Never touch them with bare hands. Clean up with a magnetic chip collector and a chip hook or other appropriate tool.

12. FUNCTIONAL DESCRIPTION

This machine is a dry cutting circular saw designed to cut ferrous metals, which uses carbide tipped saw blades. The saw should only be used with original Jepson Power saw blades.

12.1. UNPACKING

Carefully remove the tool and all loose items from the shipping container. Retain all packing materials until after you have inspected and satisfactorily operated the machine.

12.2. CARTON CONTENTS

1. Metal cutting saw
2. Original Jepson Power carbide tipped saw blade
3. Rip fence cutting guide
4. Hex wrench

12.3. INSTALLING THE BLADE

1. Disconnect tool from power source.
2. Remove any accumulated debris in the guards and around the spindle. Check the lower retracting blade guard to ensure that it is in working order.
3. Clean the inner spindle flange. Orient the flange so that the correct bore size faces the blade and place the new blade on the spindle, making sure that the teeth point forwards. (If in doubt of the orientation of the blade, refer to the legend cast into the lower retracting blade guard) Avoid contact with blade teeth to prevent personal injury.
4. NOTE: Only use original Jepson Power saw blades.
5. Place the outer spindle flange on the spindle with the flat side toward the blade. See fig. 2.
6. Replace and finger- tighten the blade retaining bolt by turning it clockwise.
7. Push in the blade lock lever and rotate the spindle by hand until the lock engages the spindle See fig. 3. Tighten the blade retaining bolt securely with the provided wrench and release the spindle lock.

12.4. REMOVING THE BLADE

1. Disconnect tool from power source.
2. See fig. 3. It is not necessary to remove the outer blade cover, just leave it in place. Push in the spindle lock and using the supplied hex wrench, rotate the blade until the lock engages the blade spindle.
3. Avoid contact with the blade teeth to prevent personal injury.
4. While holding the blade lock lever, use the provided wrench to loosen the blade retaining bolt. Then remove it and the outer spindle flange.
5. The blade may now be carefully removed.

12.5. ADJUSTMENT DEPTH OF CUT

Adjust the depth of cut so that the saw blade protrudes through the thickness of work piece. To adjust the depth of cut:

1. Disconnect tool from power source.
2. Lift the depth lock lever at the rear of the saw. See fig. 4.
3. Raise or lower the saw base until the blade extends the desired depth below the base. (See the scale and pointer cast into the main body casting.)
4. Press the depth lock lever down firmly, locking the saw in the selected position.

12.6. ADJUSTMENT OF BEVEL ANGLE

To adjust the bevel angle, refer to the bevel gauge on the base. There are markings for different angles from 0 to 45 degrees. To adjust the bevel angle: Loosen the bevel lock knob
(See fig. 5) and the smaller knob at the rear. Lift the bevel lock knob out of the slot and rotate the base to the desired angle. The most commonly used angles each have an individual slot. Simply drop the bevel lock into the slot and tighten. If other angles are needed, tighten the bevel lock knob to hold at the desired position. Then tighten the smaller knob at the rear of the base.

12.7. HOW TO USE THE SIGHTING NOTCH

To aid in free- hand cutting, a sighting notch is located at the front of the base. See fig. 6. Align the cutting line on the work piece with the sighting notch. Make the cut. Use the right-
hand notch (between the two marking dots) for straight cuts and the left- hand notch (located below the rivet) for 45- degree bevel cuts.

12.8. STARTING AND STOPPING TOOL

Make sure that the power circuit voltage is the same as that shown on the specification plate
of the machine and that switch is “OFF” before connecting the tool to the power circuit. To start the machine, first press the safety lock button then squeeze the trigger switch to start the motor. Release the trigger switch to stop the motor. See fig. 7.

12.9. REMOVING CHIPS

This dry- cut metal saw has an internal chip collector. When the chip collector is full, the chips must be cleared. To do this, first shut down and DISCONNECT TOOL FROM POWER SOURCE. The outer blade cover lock knob has a bayonet lock thread. See fig. 8. To remove cover, turn knob anticlockwise while pushing in against the spring tension. Then lift cover away. Recently- cut chips can be very hot. Take care when removing the cover to keep the chips or shavings away from your hands or other body
parts. Do not throw hot debris where paper or other flammable materials are located. To replace the outer blade cover, line up tang with slot and push in against the spring while turning clockwise. Ensure that the cover is properly seated.

12.10. HOW TO USE THE RIP FENCE

Using the rip fence will provide more accurate straight cuts than by cutting free- hand. For installation, DISCONNECT TOOL FROM POWER SOURCE then insert the rip fence in the mounting slots. In the base.

12.11. LOWER RETRACTING BLADE GUARD

The lower retracting blade guard is a safety device important for your protection. Every
time you use the saw, make sure that the guard rotates freely and returns quickly and completely to its closed position. Before each use, remove any accumulated chips, or shavings from the area around the hub of the guard. DO NOT LUBRICATE THIS AREA. The hub has a dry film lubricated surface that does not need oiling. NEVER block or wedge the blade guard in the open position. NEVER use your saw if the blade guard is not in working order. If blade guard movement is sluggish or if binding exists, return the saw to your nearest AUTHORIZED SERVICE CENTER for repair.

12.12. HOW TO USE THE TOOL

Effective control of this powerful saw requires two- handed operation for maximum protection. Support the work properly and to hold the saw firmly WITH BOTH HANDS to
prevent loss of control which could cause personal injury. Always hold the side handle with the left hand and the rear handle with the right hand for proper hand support of the saw. Protect your eyes from injury with safety glasses or goggles.
Do not use cutting fluids or lubricants on the blade.

12.13. CLAMP THE WORK PIECE

Secure the work piece properly. The work piece should be straight and firmly clamped to avoid possible
movement and pinching as the cut nears completion. Provide adequate support for long or wide work pieces. Confirm that the blade has come to a complete stop before removing or securing the work piece, or changing the work piece angle. Press the safety, then the trigger switch. Move the saw forward to contact the work piece. Clamp the work piece on a rigid support, such as a bench or saw horses. Mark the line of cut on the work piece. Be sure that the cutoff line is far enough on the work piece to allow proper operation of the telescoping guard. Place the front edge of the saw squarely on work piece before starting the motor. Sight the cutting line with the sighting notch indicator or use the rip fence. Be certain that the blade is not contacting the work piece. Press the safety, then the trigger switch, allow the motor to come up to full speed and move the saw forward to begin the cut.

CAUTION: Keep the cord away from cutting area to prevent it from becoming entangled in the work piece.

Do not force the cut. Let the saw do the cutting at the rate of speed permitted by the type of cut and work piece. Increase feed pressure as the blade cuts through the thicker cross-sections (to maintain minimum "sparking"). Decrease the feed pressure as the blade cuts through the thinner cross sections (to maintain motor speed and avoid overloading the machine). After completing the cut, release the power switch and wait for the coasting blade to stop completely before putting the saw down.

13. MAINTENANCE

13.1. KEEP TOOL CLEAN

Periodically blow out all air passages with dry compressed air. All plastic parts should be cleaned with a soft damp cloth. NEVER use solvents to clean plastic parts. They could possibly dissolve or otherwise damage the material. Wear safety glasses while using compressed air.

13.2. THE CARBON BRUSHES

The carbon brushes are a normal wearing part and must be replaced when they reach their wear limit. See fig. 10.
To replace: simply remove the brush caps and withdraw the old brushes. Replace with new brushes (always replace as a pair) ensuring that they align properly and slide freely. Then replace the brush caps. See fig. 11.

13.3. WARNING

Make sure that the tool is turned off and not connected to a power source before you perform maintenance and/or examine the tool. For safety reasons and in order to ensure proper functioning of the device, repairs, maintenance and adjustment of the tool must be performed by a certified service center. Use only original spare parts.

If the replacement of the power supply cord is necessary, this has to be done by the manufacturer or their agent in order to avoid a safety hazard.

13.4. STANDARD ACCESSORIES

- Original Jepson Power carbide tipped saw blade 203/42T (HDC 8200)
- Original Jepson Power carbide tipped saw blade 230/48T (HDC 8230N)
- 6mm Hex wrench
- Rip fence

GENERAL

14. QUOTATION

When returning a defective machine for repair with cost estimate. We charge a handling fee of 50€, but does not apply if a repair order or purchase of a new machine is given.

15. SPARE PARTS

For current spare parts list with order numbers please visit our website:
www.drycutter.com

16. WARRANTY

The warranty time (warranty according to the commercial code) is 12 months from the day of sale to the end consumer.
It covers and is limited to the free replacement of the defective parts or the free repair of defects that are demonstrably due to the use of imperfect materials during production or due to assembly errors.
Incorrect use or start-up and unauthorized installations or repairs not specified in the operating instructions void the warranty. Parts that are subject to wear are also excluded from the warranty. We expressly reserve the right to make decisions on the warranty application. The warranty is void if the device is opened by a third party. Transport damages, maintenance work as well as damage and malfunctions due to insufficient maintenance are not covered by the warranty.
For warranty claims, the proof of purchase of the device must be given by presenting the delivery note, bill, or cash receipt.
As far as it is legal, we assume no liability for any personal, material or consequential damages, in particular if the device is used differently than for the purpose indicated in the operating instructions, not installed or repaired according to the operating instructions, or repairs were executed by a layperson.
We reserve the right to perform repairs or maintenance over and above the ones specified in these operating instructions at the factory.

The quality and safety of the JEPSON POWER circular cold saw depends on the exclusive use of original JEPSON POWER saw blades or saw blades with the same cutting width, blade diameter and recommended cutting speed. The use of other saw blades may damage the machines.
The original JEPSON POWER saw blade fulfils all requirements of the TÜV examination (several inspection offices) and is therefore certified by these inspection offices. In case of use of saw blades with dimensions that differ from the original JEPSON POWER saw blades, the manufacturer assumes no liability.

The warranty excludes:

- Wear parts such as switches, flanges, carbon brushes, supportings and cutting tools (saw blades, carbide inserts, drills and abrasive) as well as electronic units.
- Other parts that are subject to wear through use or natural wear and tear.
- Tool failure due to non-compliance with the instruction manual, unconventional use, abnormal atmospheric conditions, improper operating conditions, overload, or lack of service or maintenance.
- Tool failure due to replacement parts or additional parts that are not original Jepson Power parts.
- Machines to which changes or additions have been made.

JEPSON POWER® GERMANY
Leading Through Innovation

METAL CUTTING CIRCULAR SAW

SHDC 8320 | HDC 8230N | HDC 8200

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