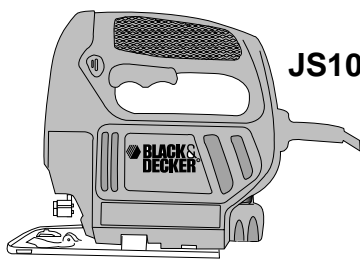


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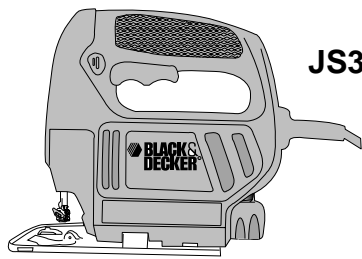
Single and Variable Speed Jig Saws

INSTRUCTION MANUAL

Catalog Nos. JS100, JS200, JS300



JS100, JS200



JS300

BEFORE RETURNING THIS PRODUCT
FOR ANY REASON PLEASE CALL

1-800-54-HOW-TO (544-6986)

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PRODUCTO.

CAT. NO. JS100, JS200, JS300

FORM NO. 373837

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(AUG 98 CD-1)

GENERAL SAFETY RULES

WARNING: Read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.

SAVE THESE INSTRUCTIONS

WORK AREA

- 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 liquids, 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

- Double insulated tools are equipped with a polarized plug (one blade is wider than the other.) This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not change the plug in any way. Double insulation eliminates the need for the three wire grounded power cord and grounded power supply system.
- Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is grounded.
- Don't expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- Do not 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 cords increase the risk of electric shock.
- When operating a power tool outside, use an outdoor extension cord marked "W-A" or "W". These cords are rated for outdoor use and reduce 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.
- Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts. Loose clothing, jewelry, or long hair can be caught in moving parts.
- Avoid accidental starting. Be sure switch is off before plugging in. Carrying tools with your finger on the switch or plugging in tools that have the switch on invites accidents.
- Remove adjusting keys or wrenches before turning the tool on. A wrench or key that is left attached to a rotating part of the tool may result in personal injury.
- Do not overreach. Keep proper footing and balance at all times. Proper footing and balance enables better control of the tool in unexpected situations.
- Use safety equipment. Always wear eye protection. Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.

TOOL USE AND CARE

- Use clamps or other practical way to secure and support the workpiece to a stable platform. Holding the work by hand or against your body is unstable and may lead to loss of control.
- 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 or 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 preventative safety measures reduce the risk of starting the tool accidentally.
- Store idle tools out of reach of children and other untrained persons. 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.
- 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. Many accidents are caused by poorly maintained tools.
- 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

- Tool service must be performed only by qualified repair personnel. Service or maintenance performed by unqualified personnel could result in a risk of injury.
- When servicing a 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.

SPECIFIC SAFETY RULES

- Hold tool by insulated gripping surfaces when performing an operation where the cutting tool 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.

The label on your tool may include the following symbols.

Vvolts

Hzhertz

minminutes

— — —direct current

.....Class II Construction

.....safety alert symbol

Aamperes

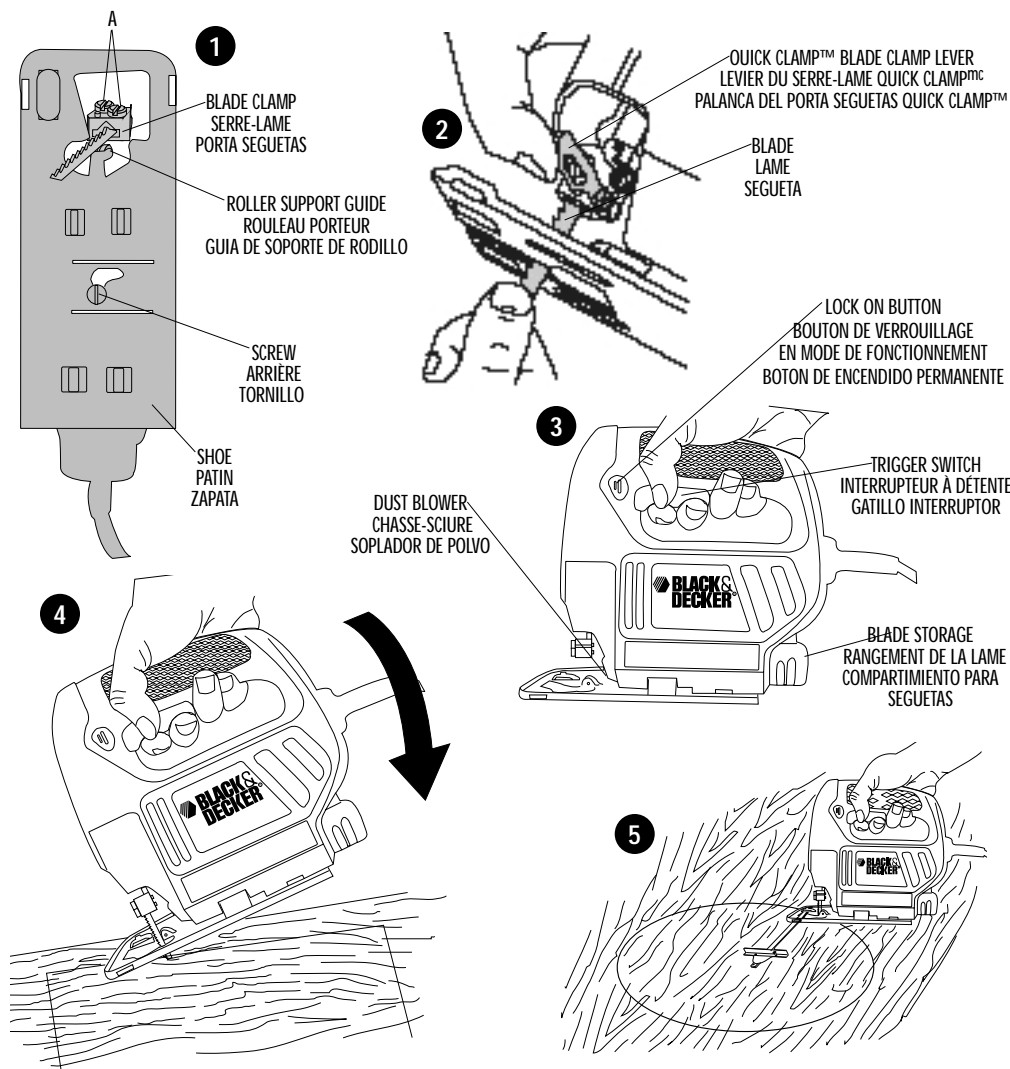
Wwatts

~alternating current

n₀no load speed

⊕earthing terminal

...../minrevolutions or
reciprocations
per minute



ADDITIONAL SAFETY RULES: JIG SAWS

- KEEP HANDS AWAY from cutting area. Never reach underneath the material for any reason.
- KEEP BLADES SHARP. Dull blades may cause the saw to swerve or stall under pressure.
- CAUTION: Some wood contains preservatives such as copper chromium arsenate (CCA) which can be toxic. When cutting these materials extra care should be taken to avoid inhalation and minimize skin contact.
- WARNING: Use of this tool can generate dust containing chemicals known to cause cancer, birth defects or other reproductive harm.

EXTENSION CORDS

When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. The following table shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord

Volts	Minimum Gauge for Cord Sets				
	Total Length of Cord in Feet				
120V	0-25	26-50	51-100	101-150	
240V	0-50	51-100	101-200	201-300	
Ampere Rating		American Wire Gage			
More Than	Not more Than				
0	- 6	18	16	16	14
6	- 10	18	16	14	12
10	- 12	16	16	14	12
12	- 16	14	12	Not Recommended	

MOTOR

Be sure your power supply agrees with nameplate marking. 120 Volts AC only means your tool will operate on standard 60 Hz household power. Do not operate AC tools on DC. A rating of 120 volts AC/DC means that you tool will operate on standard 60 Hz AC or DC power. This information is printed on the nameplate. Lower voltage will cause loss of power and can result in over-heating. All Black & Decker tools are factory-tested; if this tool does not operate, check the power supply.

ASSEMBLY/ADJUSTMENT SET-UP

INSTALLING BLADES

(JS100, JS200) MANUAL BLADE CHANGE MODELS ONLY USE THESE BLADE TYPES

BEFORE INSTALLING BLADES, TURN OFF AND UNPLUG TOOL.

Loosen (do not remove) the two screws "A" in Figure 1. Ensure the blade teeth are facing forward and insert the saw blade shank fully into the blade clamp. Slightly tighten screws alternately to position the blade, then fully tighten screws. To release, turn both screws one turn counterclockwise.

(JS300) QUICK CLAMP™ BLADE CHANGE MODELS ONLY USE THIS BLADE TYPE

BEFORE INSTALLING BLADES, TURN OFF AND UNPLUG TOOL.

Your jig saw uses the Quick Clamp™ blade changing system. To install a blade, lift the Quick Clamp™ lever (Figure 2). Ensure the blade teeth are facing forward and insert the saw blade shank fully into the blade clamp. Release the lever and the blade will be clamped securely in place. To release the blade, lift the lever.

ALL MODELS

Note: To improve cutting performance, ensure back of blade is touching blade support roller. See "Roller Support Guide" for instructions on how to change position of blade support roller.

ROLLER SUPPORT GUIDE

The roller support guide on your jig saw improves its performance when cutting tough materials by adding support to the blade. This support should be adjusted so that the roller touches the back of the blade when cutting. Ensure the blade is aligned with the groove in the roller. Adjust the support roller by loosening the screw on the bottom of the shoe (Fig.1) and moving the shoe so that the roller touches the back edge of the blade. Retighten screw. Lubricating the guide roller from time to time with a drop of oil will extend the life of the roller.

ON/OFF SWITCH (JS100)

BEFORE PLUGGING YOUR JIG SAW IN, ENSURE THAT THE TRIGGER SWITCH IS IN THE OFF POSITION.

To turn the saw on, squeeze the trigger switch, as shown in Figure 3. To turn the tool off, release the trigger switch. The tool can be locked on for continuous operation by fully squeezing and holding the trigger switch while you depress the lock-on button shown in Fig. 3. With the lock-on button depressed, release the trigger switch and the tool will continue to run. To release from lock position, squeeze and release the trigger. Always disengage the lock before disconnecting from the power supply.

VARIABLE SPEED SWITCH (JS200, JS300)

BEFORE PLUGGING YOUR JIG SAW IN, ENSURE THAT THE TRIGGER SWITCH IS IN THE OFF POSITION.

To turn the saw on, squeeze the trigger switch, as shown in Figure 3. The speed of the saw is determined by how much the trigger switch is depressed. To turn the tool off, release the trigger switch.

The tool can be locked on for continuous operation by fully squeezing and holding the trigger switch while you depress the lock-on button shown in Fig. 3. With the lock-on button depressed, release the trigger switch and the tool will continue to run. To release from lock position, squeeze and release the trigger. Always disengage the lock before disconnecting from the power supply. Do not overload your jig saw as this could damage the motor. Use your saw only for its intended purpose.

BEVEL ADJUSTMENT

TURN OFF AND UNPLUG TOOL.

To adjust the bevel angle, loosen the screw (approximately 3 full turns) on the bottom of the shoe, as shown in Figure 1. Lift the shoe slightly and pull backward, then set the shoe at 45° and retighten screw. To reset the shoe for a square cut, loosen the screw and move the shoe until it is approximately 90° to the blade. Adjust the blade support roller to the blade and retighten the screw.

GENERAL CUTTING

Be sure board is firmly secured. Hold jig saw by the handle and operate switch to turn the unit on. Don't attempt to turn on the unit when blade is against material to be cut. This could stall the motor. Place front of shoe on material to be cut and hold jig saw shoe down firmly against the work surface while cutting. Don't force the tool; let the blade cut at its own speed. Whenever possible, clamp or support work close to the line of cut; when the cut is completed, shut off power and lay the saw aside before loosening the work.

CUT LINE BLOWER

To aid visibility when cutting, your jig saw is equipped with a cut line blower (Fig. 3) which will keep the work area clear of dust as you saw.

BLADE STORAGE

A convenient blade storage compartment (Fig. 3) is provided at the rear of the saw.

METAL & PLASTIC CUTTING

In cutting thin gauge sheet metals, it is best to clamp wood or plywood to the bottom of the metal sheet; this will insure a clean cut without the danger of vibration or tearing of metal. Use a fine-tooth blade for ferrous metals (for those that have an iron content); and use a coarser blade for nonferrous metals (those that do not have an iron content).

Cutting thin metal will take longer than cutting relatively thick wood so do not be tempted to speed up the process by forcing the saw. Spread a thin film of cutting lubricant along the cutting line (any light weight oil). Use low speeds for cutting metals, plastics and composition tile. When cutting laminated plastic, place the finishing side down and use a fine tooth hollow ground blade.

POCKET CUTTING

- Measure the surface to be cut and mark clearly with a pencil. Next tip the saw forward until the front edge of the shoe sits firmly on the work surface, but with the blade well clear of it Figure 4.
- Turn the tool on and allow it to attain maximum speed by fully depressing the trigger switch.
- Grip the handle firmly and slowly lower the back edge of tool until the blade cuts smoothly into material. Do not move the jig saw forward along the cut line until the saw blade has completely entered the material and shoe comes to rest flat on its surface.

RIP & CIRCLE CUTTING

Ripping and circle cutting without a pencil line are easily done with the rip fence and circle guide (available at extra cost).

Using the screw supplied with the accessory guide, position as shown in Figure 5 and thread the screw into the shoe to clamp the fence securely.

When circle cutting, adjust rip fence so that distance from blade to hole in cross bar is at the desired radius and tighten screw (use hole which lines up best with saw blade). Place saw so that hole in cross bar is over center of circle to be cut (make pocket cut, drill hole for blade or cut inward from edge of material to get blade into position). When saw is properly positioned, drive a small nail through hole in cross bar. Using rip fence as a pivot arm, begin cutting circle. For circle cutting, the cross bar should be up, as shown in Figure 5. When ripping, slide the rip fence under the screw from either side of the saw. Set the cross bar at desired distance from blade and tighten screw. For ripping, the cross bar should be down and against the straight edge of the workpiece.

MAINTENANCE

Use only mild soap and damp cloth to clean the tool. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.

IMPORTANT: To assure product SAFETY and RELIABILITY, repairs, maintenance and adjustment should be performed by authorized service centers or other qualified service organizations, always using identical replacement parts.

ACCESSORIES

Recommended accessories for use with your tool are available from your local dealer or authorized service center. If you need assistance regarding accessories, please call: **1-800-54- HOW TO**

⚠ WARNING: The use of any accessory not recommended for use with this tool could be hazardous.

SERVICE INFORMATION

Black & Decker offers a full network of company-owned and authorized service locations throughout North America. All Black & Decker Service Centers are staffed with trained personnel to provide customers with efficient and reliable power tool service.

Whether you need technical advice, repair, or genuine factory replacement parts, contact the Black & Decker location nearest you. To find your local service location, refer to the yellow page directory under "Tools—Electric" or call: 1-800-54-HOW TO.

FULL TWO-YEAR HOME USE WARRANTY

Black & Decker (U.S.) Inc. warrants this product for two years against any defects in material or workmanship. The defective product will be replaced or repaired at no charge in either of two ways.

The first, which will result in exchanges only, is to return the product to the retailer from whom it was purchased (provided that the store is a participating retailer). Returns should be made within the time period of the retailer's policy for exchanges (usually 30 to 90 days after the sale). Proof of purchase may be required. Please check with the retailer for their specific return policy regarding returns that are beyond the time set for exchanges.

The second option is to take or send the product (prepaid) to a Black & Decker owned or authorized Service Center for repair or replacement at our option. Proof of purchase may be required. Black & Decker owned and authorized Service Centers are listed under "Tools-Electric" in the yellow pages of the phone directory. This warranty does not apply to accessories. This warranty gives you specific legal rights and you may have other rights which vary from state to state. Should you have any questions, contact the manager of your nearest Black & Decker Service Center.

This product is not intended for commercial use.

Black & Decker (U.S.) Inc.,
701 E. Joppa Rd.
Towson, MD 21286 U.S.A.



See 'Tools-Electric'
– Yellow Pages –
for Service & Sales



ZONE DE TRAVAIL

- **S'assurer que la zone de travail soit propre et bien éclairée.** Des établis encombrés et des endroits sombres présentent des risques d'accidents.
- **Ne pas utiliser des outils électriques en présence de vapeurs explosives (comme celles dégagées par des liquides, des gaz ou des poussières inflammables).** Les étincelles générées par le moteur des outils électriques peuvent enflammer les poussières ou les vapeurs.
- **Éloigner les curieux, les enfants et les visiteurs de la zone de travail lorsqu'on utilise un outil électrique.** Une distraction peut entraîner la perte de maîtrise de l'outil.

MESURES DE SÉCURITÉ RELATIVES À L'ÉLECTRICITÉ

- **Les outils à double isolation comportent une fiche polarisée (une lame plus large que l'autre).** La fiche n'entre que d'une façon dans une prise polarisée. Lorsque la fiche n'entre pas à fond dans la prise, essayer de nouveau après avoir inversé les broches de la fiche. Si la fiche n'entre toujours pas dans la prise, communiquer avec un électricien certifié afin de faire installer une prise polarisée. **Ne modifier en aucune façon la fiche.** La double isolation ☐ élimine le besoin d'un cordon trifilaire mis à la terre et d'un système d'alimentation mis à la terre.
- **Éviter de toucher à des surfaces mises à la terre comme des tuyaux, des radiateurs, des cuisinières et des réfrigérateurs.** Les risques de secousses électriques sont plus élevés si le corps de l'utilisateur est mis à la terre.
- **Protéger les outils électriques contre la pluie ou les conditions mouillées.** Une infiltration d'eau dans l'outil augmente les risques de secousses électriques.
- **Manipuler le cordon avec soin. Ne jamais se servir du cordon afin de transporter l'outil ni tirer sur le cordon pour débrancher l'outil. Éloigner le cordon des sources de chaleur, des flaques d'huile, des arêtes tranchantes et des pièces mobiles. Remplacer immédiatement les cordons endommagés,** car ils endommagés augmentent les risques de secousses électriques.
- **Lorsqu'on utilise un outil électrique à l'extérieur, se servir d'un cordon de rallonge prévu pour l'extérieur, portant la mention "W-A" ou "W".** Ces cordons sont conçus pour servir à l'extérieur et minimisent les risques de secousses électriques.

SÉCURITÉ PERSONNELLE

- **Ne pas se servir de l'outil lorsqu'on est fatigué ou affaibli par des drogues, de l'alcool ou des médicaments.** De graves blessures peuvent résulter d'un moment d'inattention lors de l'utilisation d'un outil électrique.
- **Porter des vêtements appropriés. Éviter de porter des vêtements amples ou des bijoux. Recouvrir la chevelure si elle est longue. Éloigner les cheveux, les vêtements et les gants des pièces en mouvement** qui peuvent les happer.
- **Éviter les démarrages accidentels. S'assurer que l'interrupteur soit en position hors tension avant de brancher l'outil.** Afin d'éviter les risques de blessures, ne pas transporter l'outil avec le doigt sur l'interrupteur ni brancher un outil dont l'interrupteur est en position sous tension.
- **Enlever les clés de réglage avant de mettre l'outil sous tension.** Une clé qui est laissée sur une pièce rotative de l'outil présente des risques de blessures.
- **Ne pas dépasser sa portée. Garder son équilibre en tout temps.** On s'assure d'une meilleure maîtrise de l'outil dans des situations imprévues grâce à une position stable et un bon équilibre.
- **Porter de l'équipement de sécurité. Toujours porter des lunettes de sécurité.** Dans certaines conditions, il faut porter des masques respiratoires, des chaussures antidérapantes, un casque de sécurité ou des protège-tympans.

UTILISATION ET ENTRETIEN DE L'OUTIL

- **Utiliser des pinces de serrage ou de tout autre moyen pratique afin de fixer et de soutenir la pièce à ouvrir sur une plate-forme stable.** La pièce est instable lorsqu'elle est retenue par la main ou le corps de l'utilisateur. Cela présente des risques de perte de maîtrise de l'outil.
- **Ne pas forcer l'outil. Utiliser l'outil approprié à la tâche.** L'outil approprié fonctionne mieux et sûrement lorsqu'on s'en sert à son rendement nominal.
- **Ne pas se servir de l'outil lorsque l'interrupteur est défectueux.** Le cas échéant, l'outil est dangereux et il faut le réparer.
- **Débrancher l'outil de la source d'alimentation avant de le régler, d'en remplacer les accessoires ou de le ranger.** On minimise de la sorte le risque de démarrage accidentel de l'outil.
- **Ranger l'outil hors de portée des enfants et de toute autre personne qui n'en connaît pas le fonctionnement.** L'outil est dangereux entre les mains de ces personnes.
- **Prendre soin des outils. S'assurer que les outils de coupe soient tranchants et propres.** Des outils bien entretenus à arêtes tranchantes ont moins tendance à se coincer et ils se maîtrisent mieux.
- **Vérifier l'alignement et les attaches des pièces mobiles, le degré d'usure des pièces ainsi que tout autre facteur susceptible de nuire au bon fonctionnement de l'outil. Faire réparer un outil endommagé avant de s'en servir.** Des outils mal entretenus sont la cause de nombreux accidents.
- **Utiliser seulement les accessoires recommandés par le fabricant.** Des accessoires qui conviennent à un outil peuvent présenter des risques avec un autre outil.

ENTRETIEN

- **Confier l'entretien de l'outil seulement à du personnel qualifié.** Le non-respect de la présente directive présente des risques de blessures.
- **Lors de l'entretien de l'outil, utiliser seulement des pièces de rechange identiques. Respecter les consignes relatives à l'entretien du présent guide d'utilisation.** Il y a risque de secousses électriques ou de blessures lorsqu'on utilise des pièces non autorisées ou lorsqu'on ne respecte pas les consignes relatives à l'entretien.

MESURES DE SÉCURITÉ SPÉCIFIQUES

- **Saisir les surfaces isolées de l'outil lorsqu'on s'en sert là où il pourrait y avoir des fils sous tension et lorsqu'il pourrait entrer en contact avec son propre fil.** En cas de contact avec un fil sous tension, les composantes métalliques à découvert de l'outil deviendraient sous tension et l'utilisateur subirait des secousses électriques.

L'étiquette de l'outil peut comporter les symboles suivants.

Vvolts

Hzhertz

minminutes

====courant continu

☐construction de classe II

⚠symbole d'avertissement

Aampères

Wwatts

~courant alternatif

n₀sous vide

⊕borne de terre

.../mintours ou courses
à la minute

MESURES DE SÉCURITÉ ADDITIONNELLES : SCIES SAUTEUSES

- **ÉLOIGNER LES MAINS** de la zone de coupe. Ne jamais mettre les mains sous le matériau. Saisir l'avant de l'outil par la zone de prise profilée. Ne pas insérer les doigts ni le pouce près de la lame ni du serre-lame. Ne jamais tenter d'équilibrer la scie en en saisissant le patin.
- **S'ASSURER QUE LA LAME SOIT AFFÛTÉE.** Une lame émoussée peut faire dévier ou caler la scie.
- **MISE EN GARDE** : certaines essences de bois renferment des agents de conservation (comme de l'arséniate de cuivre et de chrome) qui peuvent être toxiques. Lorsqu'on doit couper de tels matériaux, on doit prendre des mesures supplémentaires afin d'éviter d'inhaler les vapeurs toxiques et de minimiser les contacts avec la peau.
- **AVERTISSEMENT** : l'utilisation de l'outil peut produire de la poussière renfermant des produits chimiques causant le cancer, des malformations congénitales ou autres problèmes de reproduction.

CORDONS DE RALLONGE

Lorsqu'on se sert d'un cordon de rallonge, on doit s'assurer qu'il soit de calibre approprié pour la tension nécessaire au fonctionnement de l'outil. L'utilisation d'un cordon de calibre inférieur occasionne une baisse de tension entraînant une perte de puissance et la surchauffe. Le tableau suivant indique le calibre approprié selon la longueur du cordon et les mentions de la plaque signalétique de l'outil. En cas de doute, utiliser un cordon de calibre supérieur. Le chiffre indiquant le calibre est inversement proportionnel au calibre du cordon.

Calibre minimal des cordons de rallonge					
Tension	Longueur totale du cordon en pieds				
120V	De 0 à 25	De 26 à 50	De 51 à 100	De 101 à 150	
240V	De 0 à 50	De 51 à 100	De 101 à 200	De 201 à 300	
Intensité (A)		Calibre moyen de fil			
Au moins	Au plus				
0	- 6	18	16	16	14
6	- 10	18	16	14	12
10	- 12	16	16	14	12
12	- 16	14	12	Non recommandé	

MOTEUR

Veiller à ce que la tension d'alimentation soit conforme aux exigences de la plaque signalétique de l'outil. La mention "120 volts c.a. seulement" signifie que l'outil fonctionne seulement sur une alimentation domestique standard de 60 Hz. Ne pas alimenter des outils à alimentation en courant alternatif sur du courant continu ou alternatif. La mention "120 volts c.a./c.c." signifie que l'outil fonctionne seulement sur une alimentation domestique standard de 60 Hz c.a. ou c.c.. Ces renseignements se trouvent sur la plaque signalétique de l'outil. Une baisse de tension entraîne une perte de puissance et la surchauffe. Tous les outils sont mis à l'essai

⚠ MESURES DE SÉCURITÉ

⚠ AVERTISSEMENT : Lire et comprendre toutes les directives. Le non-respect de toutes les directives suivantes présente des risques de secousses électriques, d'incendie ou de blessures graves.

CONSERVER CES MESURES.

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