[EN]

Circular saw

M1Y-ZP2-235B1

CE

ADEO Services
135 Rue Sadi Carnot - CS 00001, 59790 RONCHIN – France

Made in China 2022

Original instructions

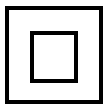
Warning symbols

WARNING - To reduce the risk of injury, user must read instruction manual.

Wear ear protection

Wear eye protection

Wear dust mask



Class II tool

Denotes risk of personal injury,loss of life or damage to the tool in case of non-observance of the instructions in this manual.

1. General Safety Instructions

WARNING Read all safety warnings, instructions, illustrations and specifications provided with this power tool. *Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury*.

Save all warnings and instructions for future reference.

The term “power tool” in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1) Work area safety

a) Keep work area clean and well lit. *Cluttered and 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 andclothing away from moving parts.** *Loose clothes, jewellery or long hair can be caught in moving parts.*
g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** *Use of dust collection can reduce dust-related hazards*.
h) **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** *A careless action can cause severe injury within a fraction of a second.*

4) Power tool use and care

a) **Do not force the power tool. Use the correct power tool for your application.** *The correct power tool will do the job better and safer at the rate for which it was designed.*
b) Do not use the power tool if the switch does not turn it on and off. *Any power tool that cannot be controlled with the switch is dangerous and must be repaired.*
c) **Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools.** *Such preventive safety measures reduce the risk of starting the power tool accidentally.*

d) Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. *Power tools are dangerous in the hands of untrained users.*

e) **Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.***Many accidents are caused by poorly maintained power tools.*

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

g) **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** *Use of the power tool for operations different from those intended could result in a hazardous situation.*

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

5) 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.*

2. Additional safety rules for circular saw

Cutting procedures

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

b) **Do not reach underneath the workpiece.** *The guard cannot protect you from the blade below the workpiece.*

c) **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.*

d) **Never hold the workpiece in your hands or across your leg while cutting. Secure the workpiece to a stable platform.** *It is important to support the work properly to minimise body exposure, blade binding, or loss of control.*

e) **Hold the power 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 also make exposed metal parts of the power tool "live" and could give the operator an electric shock.*

f) **When ripping always use a rip fence or straight edge guide.** *This improves the accuracy of cut and reduces the chance of blade binding.*

g) **Always use blades with correct size and shape (diamond versus round) of arbour holes.** *Blades that do not match the mounting hardware of the saw will run off-centre, causing loss of control.*

h) **Never use damaged or incorrect blade washers or bolt.** *The blade washers and bolt were specially designed for your saw, for optimum performance and safety of operation.*

Kickback causes and related warnings

-kickback is a sudden reaction to a pinched, jammed 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 jammed tightly by the kerf closing down, the blade stalls and the motor reaction drives the unit rapidly back toward the operator;

-if the blade becomes twisted or misaligned in the cut, the teeth at the back edge of the blade can dig into the top surface of the wood causing the blade to climb out of the kerf and jump 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.

a) **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.*
b) **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.*
c) **When restarting a saw in the workpiece, centre the saw blade in the kerf so that the saw teeth are not engaged into the material.** *If a saw blade binds, it may walk up or kickback from the workpiece as the saw is restarted.*
d) **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.*
e) **Do not use dull or damaged blades.** *Unsharpened or improperly set blades produce narrow kerf causing excessive friction, blade binding and kickback.*
f) **Blade depth and bevel adjusting locking levers must be tight and secure before making the cut.** *If blade adjustment shifts while cutting, it may cause binding and kickback.*
g) **Use extra caution when sawing into existing walls or other blind areas.** *The protruding blade may cut objects that can cause kickback.*

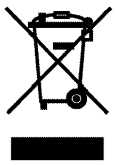
Lower guard function
a) **Check the lower guard for proper closing before each use. Do not operate the saw if the lower guard does not move freely and close instantly. Never clamp or tie the lower guard into the open position.** *If the saw is accidentally dropped, the lower guard may be bent. Raise the lower guard with the retracting handle and make sure it moves freely and does not touch the blade or any other part, in all angles and depths of cut.*
b) **Check the operation of the lower guard spring. If the guard and the spring are not operating properly, they must be serviced before use.** *Lower guard may operate sluggishly due to damaged parts, gummy deposits, or a build-up of debris.*
c) **The lower guard may be retracted manually only for special cuts such as "plunge cuts" and "compound cuts". Raise the lower guard by the retracting handle and as soon as the blade enters the material, the lower guard must be released.** *For all other sawing, the lower guard should operate automatically.*

d) **Always observe that the lower guard is covering the blade before placing the 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.*

Saw Blade safety warning

a) Only use saw blades recommended and only use saw blades if you have knowledge of how to use and handle them
b) Pay attention to the Max. rotational speed. The Max. rotational speed marked on the saw blade shall not be exceeded. When stated, the speed range shall be adhered to.
c) Do not use saw blade which are cracked, repairing is not permitted.
d) Use the supplied saw blade only for cutting of wood, never for metal or plastic.
e) Longer period using may lead overheating the blade tips. Therefore take breaks of approx. 15 minutes on a regular basis to let the blade tips cool down.
f) Always wear ear protection
g) Always wear dust mask
h) Do not to use any abrasive wheels
i) Use only blade diameter(s) in accordance with the markings.

3. Environmental protection



CAUTION! This product has been marked with a symbol relating to removing electric and electronic waste. This means that this product shall not be discarded with household waste but that it shall be returned to a collection system which conforms to the European WEEE Directive. Contact your local authorities or stockist for advice on recycling. It will then be recycled or dismantled in order to reduce the impact on the environment. Electric and electronic equipment can be hazardous for the environment and for human health since they contain hazardous substances.

4. Intended USE

The machine is designed to saw wood. Do not use machine attachments for works other than those for which they are designed for! All other applications are expressly ruled out.

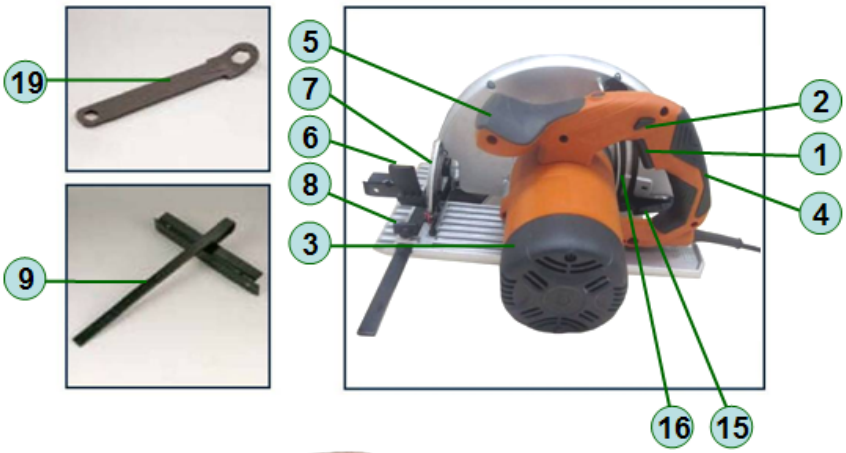
5. Tool specifications

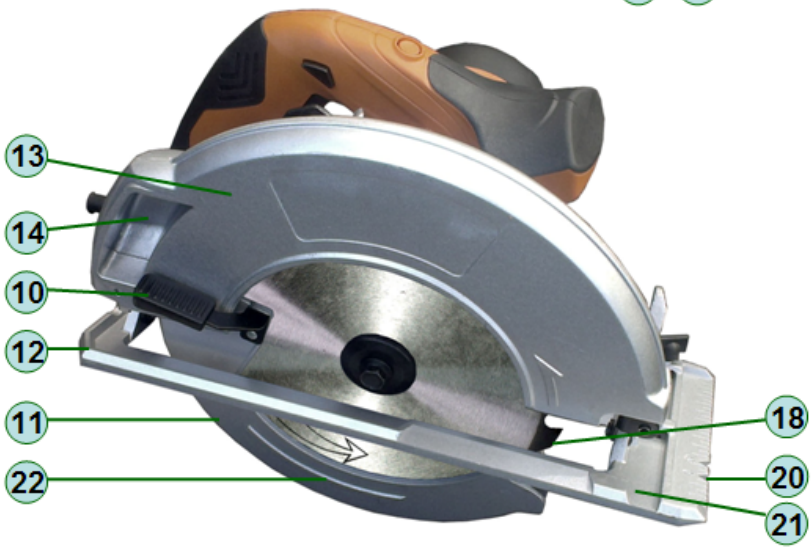
TECHNICAL CHARACTERISTICS	
Rated input power	2000W
Rated voltage	230-240V~ 50Hz
No load speed	5000 min^{-1}
Blade Dimension	Φ235 x Φ30 x 2.4 mm
Blade teeth	40
Max. cut thickness at 0°	82mm
Max. cut thickness at 45°	62mm
Tilting range	0-55°
Weight	5.3 kg
LpA (Sound pressure level)	95 dB(A) K=3.0 dB(A)
LwA (Sound power level)	106 dB(A) K=3.0 dB(A)
Vibration level	3.428 m/s^2 K=1.5 m/s^2
Protection class	II

- that the declared vibration total value has been measured in accordance with a standard test method and may be used for comparing one tool with another;
- that the declared vibration total value may also be used in a preliminary assessment of exposure.
- warning: the vibration emission during actual use of the power tool can differ from the declared total value depending on the ways in which the tool is used".
- warning: avoid vibration risk

suggestion: 1) wear glove during operation;
2) limit operating time and shorten trigger time.

6. Parts Identification





1. On/Off Trigger switch

2. Lock-off button
3. Motor housing
4. Main handle
5. Front handle
6. Bevel adjustment lever
7. Bevel scale
8. Parallel fence locking knob
9. Parallel fence
10. Blade guard lever
11. Lower blade guard
12. Base plate
13. Upper blade guard
14. Dust outlet
15. Depth locking lever
16. Depth of cut indicator
17. Spindle lock button
18. Blade
19. Blade wrench
20. Blade guide notch
21. Parallel fence slots
22. Disc rotation indicator

BLADE INSTAILLATION

For your own safety and protection, do not attempt to operate this saw until it is completely assembled and installed according to this instruction. Read and understand the capability of the circular saw and the hazards associated with its operation.
Sandwich the blade between two flanges.

7. Operating instructions

Attention!

The maximum permissible system impedance is 0.249Ω at the interface point of the user's supply. The user should determine in consultation with the supply authority, if necessary, that the equipment is connected only to a supply of that impedance or less.

To Turn The Circular Saw On:

Press in the Safety Lock-Off button（2）, then press the Trigger Switch（1）. To turn the saw off, release the Trigger Switch and Safety Lock-Off button.

CUTTING DEPTH ADJUSTMENT

・Before you adjust your Circular Saw, ensure that the machine is turned off and unplugged from the power outlet.
・To adjust the blade cutting depth, face the saw away from you

・Loosen the cutting depth lever.
・Hold the base plate flat against the edge of the work piece and lift the body of tool until the blade is at right depth
・Tighten the depth locking lever.

PARALLEL CUT

・Before you adjust your Circular Saw, ensure that the machine is turned off and unplugged from the power outlet.
・Loosen the parallel fence locking knob
・Slide the parallel fence into the slots in the sides at the front of the base plate.
・Adjust to the required width measured from the inside of the fence to the side of the saw tooth, and tighten with the locking knob.
・When the saw is used, ensure the fence is kept in firm contact with the edge of the material to give a perfect cut.

Caution: Make sure that the plain which parallel guide against should be parallel with the cutting line marked on work piece to be cut.

0- 55° MITRE CUT

・Before you adjust your Circular Saw, ensure that the machine is turned off and unplugged from the power outlet.
・Loosen the bevel adjustment lever.
・Tilt the body of saw until the required angle is reached.
・Tighten the bevel adjustment lever to secure the base plate.

CUTTING OPERATION TIPS

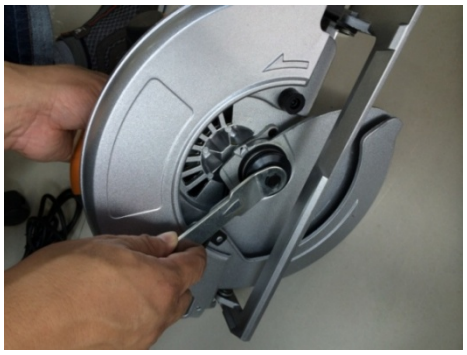
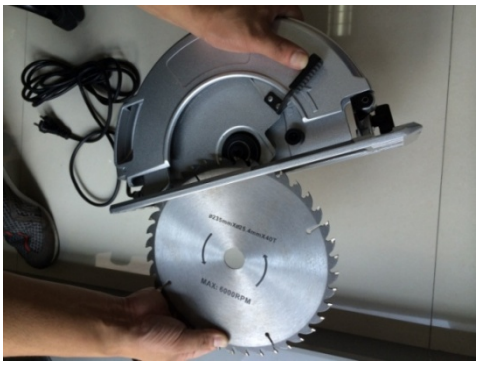
・Before operation your circular saw, ensure that the machine is turned off and unplugged from the power outlet.
・Adjust the mitre angle and cutting depth to the required level and place front of the base plate on the workpiece (do not allow the blade to touch the workpiece at this time)
・Mark the desired cutting line on work piece surface, ensure the material is securely clamped or stationary and horizontal.
・Verify the mains supply voltage matches the voltage indicated on the machine’s identification plate. Insert the plug into your power socket.
・Align the cutting line with the 0° standard line shown in.
・Hold the tool firmly and turn the tool. Don't allow the blade to contact the material until it has attained full speed
・Start the saw, slowly and smoothly move the tool forward to cut, keeping the base plate flat on the surface.
・Keep the circular saw moving forward smoothly and evenly until the cut is complete.

CHANGING THE BLADE

When the blade is worn out, it should be changed as the mounting the saw blade

MOUNTING THE SAW BLADE

1) Before you mounting the Circular Saw, ensure the Circular Saw is turned off and unplugged from the power outlet.
2) Wear protective gloves when installing a saw blade. Contact with the saw blade can lead to injuries.
3) To change the saw blade, it is best to place the Circular Saw with the blade face pointing upwards.
4) Press the spindle lock button and keep it pressed, and at the same time take the wrench to loosen the mounting flange in a counterclockwise direction.
5) Clean the saw blade and all clamping parts to be assembled.
6) Pull the lower blade guard backwards and hold firmly.
7) Place the saw blade on to the mounting flange. The cutting direction of the teeth (direction of arrow on saw blade) and the direction of rotation arrow on the blade guard must correspond.
8) Mount the clamping washer and screw in the clamping bolt. Observe correct mounting position of the mounting flange and clamping bolt.
9) Press the spindle lock butter and keep it pressed.
10) With the wrench, tighten the clamping bolt firmly by turning in a clockwise direction.


Removal of the saw blade

1. Before you removing the Circular Saw, ensure the Circular Saw is turned off and unplugged from the power outlet.
2. Wear protective gloves when installing a saw blade. Contact with the saw blade can lead to injuries.
3. To change the saw blade, it is best to place the Circular Saw with the blade face pointing upwards
4. Press the spindle lock button and keep it pressed, and at the same time take the wrench to loosen the mounting flange in a counterclockwise direction.
5. Pull the lower blade guard backwards and hold firmly.
6. Remove the clamping bolt, mounting flange and the saw blade from the saw spindle.
7. Mount the clamping bolt. Observe correct mounting position of the mounting flange and clamping bolt.
8. Press the spindle lock butter and keep it pressed

WARNING! Do not attempt to cut pieces too small. Avoid awkward hand positions where a sudden slip could cause your hand or finger to come in contact with the blade. When cutting any material, make sure that it is fully supported. DO NOT FORCE THE TOOL IN CUTTING WORK PIECE.

8. Maintenance / Cleaning

1. **CAUTION**! For your safety, turn off switch and unplug saw from the power source before performing any maintenance or cleaning.
2. Do not service the electric motor's internal components yourself. Contact an authorized service center. Periodic maintenance of your saw allows for long life and trouble-free operation.
3. When cleaning the saw, do not expose the motor to direct water. If excessive water is introduced into the motor, electric shock and/or damage to the motor can occur.
4. The cutting residue that the saw generate could be considerable. A cleaning, lubrication and maintenance schedule should be maintained. As a common sensible and preventative maintenance practice, follow these recommended steps:
5. Never use water or any other chemical liquids to cleaning the electrical parts of the machine.
6. Use soft clothes to clean the water and dust on the machine.
7. Keep the ventilation slots of the motor clean.
8. **Warning**: Only perform repairs and maintenance work according to these instructions! All further works must be performed by a qualified specialist.
9. Store the tool, instruction manual and accessories in a secure place (a dry place and out of the reach of children). In this way you will always have all the information and parts ready to hand.
10. Regularly inspect the accessory, ensure the accessories are free of crack and surface defects. Replace the accessory when it has worn out
11. Always keep the motor’s ventilation openings free of dust and debris.
12. Clean the circular saw whenever necessary uses a soft cloth and washing-up liquid.
13. Never use solvents or strong detergents.

CAUTION: Do not use cleaning agents to clean the plastic parts of the tool. A mild detergent on a damp cloth is recommended. Water must never come into contact with the tool.

14. In particular clean the air vents after every use with a cloth and brush. Remove stubborn dirt with high pressure air.
15. Free the guards from saw dust after each use.
16. Remove any dust that might block the guard.
17. Check the function of the lower guard, ensure it opens and closed smoothly
18. If the supply cord is damaged, it must be replaced by the manufacture or its service agent in order to avoid a hazard. Disconnect from the power supply immediately if the supply cord is damaged.
19. If the carbon brushes need to be replaced, have this done by a qualified repair person (always replace the two brushes at the same time.

CE Declaration of Conformity

We： ADEO Services
135 Rue Sadi Carnot - CS 00001
59790 RONCHIN - France

Declare that the product detailed below:

Circular saw
MODEL: M1Y-ZP2-235B1
Batch no.: 207484100519

Satisfies the requirement of the Council Directives:

EC Machinery Directive: 2006/42/EC
EC Electromagnetic Compatibility Directive of 2014/30/EU
ROHS Directive(EU)2015/863 amending Directive 2011/65/EU

And conforms with the norms:

EN 62841-1:2015
EN 62841-2-5:2014
EN IEC 55014-1:2021
EN IEC 55014-2:2021
EN IEC 61000-3-2:2019+A1
EN IEC 61000-3-11:2019
IEC 62321-3-1:2013
IEC 62321-4:2013+AMD1:2017
IEC 62321-5:2013
IEC 62321-6:2015
IEC 62321-7-1:2015
IEC 62321-7-2:2017
IEC 62321-8:2017
EN ISO 17075-1:2017
EN IEC 63000:2018
Signed in Shanghai 08/12/2021

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Last two number of the year CE marking applied:21