



POWER TOOLS

iQ360x[®] - Dust Control Chop Saw

OWNER'S MANUAL & OPERATING INSTRUCTIONS



Enter the Serial Number of your new saw in the space below.

Serial Number:

CAUTION:

Read all safety and operating instructions before using this equipment

NOTE:

For your (1) one year warranty to be effective, complete the warranty card (including the Serial Number) and mail it within 60 days or you can do so online at www.iqpowertools.com.

NOTES

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INTRODUCTION

We at iQ Power Tools™ wants to congratulate you on selecting the iQ360x® Dust Control Chop Saw. We are certain that you will be pleased with your purchase. iQ Power Tools™ takes pride in manufacturing the most innovative tools and equipment in the industry.

If operated correctly, your iQ360x® should provide you with years of quality service. This owners manual contains information you need to operate and maintain your IQ360X® safely and correctly. Please take a few minutes to familiarize yourself with your new iQ360x® by reading and reviewing this manual.

If you should have any questions concerning your iQ360x®, please feel free to contact us at: (888) 274-7744 or customer.service@iqpowertools.com

SPECIFICATIONS

PRODUCT SPECIFICATIONS:

The iQ360x® is a versatile lightweight, dry, masonry saw. Operated and used according to the manual, the iQ360x® will provide years of dependable service.

General Description:

Part #	Description
iQ360x®	Dust Control Chop Saw

The iQ360x®, is engineered as a 14” dry saw. This saw is capable of cutting brick and masonry up to 4.5” in Height; the blade has a five (5) inch cutting depth. The maximum depth at 12” length is 3-3/8” or 85mm

Motor and Weight Specifications:

Motor and weight specifications for the iQ360x® are listed in Table 2 below.

Motor	115v 50/60Hz
Amps	15
RPM	3700
Blade Capacity	14” (355 mm)
Arbor Size	1” (25 mm)
Length of Cut	12” (305 mm)
Weight	65 Lbs (30 kg)
L x W x H (in)	20” x 17” x 31”

TABLE 2

Blade Capacity:

The iQ360x® uses a 14-inch diameter segmented Diamond Blades

Material Types:

The iQ360x® can cut a variety of masonry types with the appropriate blade .Types include, wall brick, paver brick, concrete block and cylinders, roofing tile, marble, granite, decorative rock or almost any other non-ferrous material up to 4.5” in thickness.

NOTE:

The iQ360x® is not designed to cut plastic, wood or ferrous (metals) materials.

Spring Assisted Cutting Head:

The iQ360x® is designed with the Cutting Head to be locked in any down position when cutting smaller pieces.

Replaceable Motor Brushes:

The iQ360x® is designed with replaceable motor brushes to extend operating life.

SAFETY

Read and follow ALL safety, operating and maintenance instructions. Failure to read and follow these instructions could result in damage and/or reduced equipment life.

SAFETY MESSAGES:

The messages below are to inform the user about potential hazards that could lead to injury, death and/or equipment damage. Each safety messages will be preceded by one of the following (3) three words that identify the severity of the message.



DANGER

Not following instructions **WILL** lead to **DEATH** or **SERIOUS INJURY**

WARNING

Not following instructions **COULD** lead to **DEATH** or **SERIOUS INJURY**

CAUTION

Not following instruction **CAN** lead to injury



CAUTION

If the diamond blade shows signs of fatigue cracking, replace the blade before starting work.

DAMAGE PREVENTION AND INFORMATION MESSAGES:

A Damage Prevention Message is to inform the user of important information and/or instructions that could lead to equipment or other property damage if not followed. Information Messages convey information that pertains to the equipment being used. Each message will be preceded by the work NOTE, as in the example below.

NOTE:

Equipment and/or property damage may result if these instructions are not followed.

GENERAL SAFETY PRECAUTIONS AND HAZARD SYMBOLS:

In order to prevent injury, the following safety precautions and symbols should be followed at all times!

Safety Precautions:

DISENGAGE TRIGGER LOCK BUTTON

Before plugging into power source.

UNPLUG FROM POWER SOURCE

Before changing blades or doing any maintenance or adjustment to power tool.

KEEP GUARDS IN PLACE.

In order to prevent injury, keep guards in place and in working order at all times.

REMOVE ADJUSTING KEYS AND WRENCHES.

Form a habit of checking to see that keys and adjusting wrenches are removed from the power tool before it is turned on.

KEEP WORK AREA CLEAN.

Cluttered work areas and benches invite accidents.

DO NOT USE IN DANGEROUS ENVIRONMENTS.

Do Not use power tools in damp or wet locations nor expose them to rain. Always keep the work area well lighted.

DO NOT FORCE THE TOOL.

A power tool will do a job better and safer operating at the rate for which it was designed.

USE THE RIGHT TOOL.

Do not force a tool or an attachment, to do a job that it was not designed to do.

NEVER CUT MAGNESIUM WITH THIS TOOL.



SAFETY

USE THE PROPER EXTENSION CORD.

If using an extension cord make sure it is in good condition first. 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 that will result in a loss of power and overheating.

WEAR PROPER APPAREL.

Do not wear loose clothing, gloves, neckties, rings, bracelets, or other jewelry that may be caught in moving parts. Non slip footwear is recommended. Wear protective hair covering to contain long hair.



ALWAYS USE SAFETY GLASSES.

Safety glasses should always be worn when working around power tools. In addition, a face, dust mask or respirator should be worn if a cutting operation is dusty. Everyday eyeglasses only have impact resistant lenses and may not prevent eye injury -they are NOT safety glasses.

DO NOT OVERREACH.

Keep proper footing and balance at all times by not overreaching. Keep your hands free to operate a power tool is safer.

CHECK FOR DAMAGED PARTS.

Before using a power tool, check for damaged parts. A guard or any other part that is damaged should be carefully checked to determine it would operate properly and perform its intended function. Always check moving parts for proper alignment or binding. Check for broken parts and mountings and all other conditions that may affect the operation of the power tool. A guard, or any damaged part, should be properly repaired or replaced.

DIRECTION OF FEED.

Always feed work into the blade or cutter against the direction of rotation. A blade or a cutter should always be installed such that rotation is in the direction of the arrow imprinted on the side of the blade or cutter.

NEVER LEAVE A TOOL RUNNING UNATTENDED—TURN OFF POWER.

Do not leave a tool until it comes to a complete stop. Always turn a power tool OFF when leaving the work area, or, when a cut is finished.



WARNING

Sawing and drilling generates dust. Excessive airborne particles may cause irritation to the eyes, skin, respiratory tract. To avoid breathing impairment, always employ dust controls and protection suitable to the material being sawed or drilled; See OSHA (29 CFR Part 1910. 1200). Diamond Blades improperly used are dangerous. Comply with American National Standards Institute Safety Code, B7.1 and, Occupational Safety and Health Act covering Speed, Safety Guards, Flanges, Mounting procedures, General Operating Rules, Handling, Storage and General Machine Conditions.

CALIFORNIA PROPOSITION 65 MESSAGE:



WARNING

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contain chemicals known [known to the State of California] to cause cancer, birth defects or other reproductive harm. Some Examples of these chemicals are:

- Lead, from lead-based
- Crystalline silica, from bricks and cement and other masonry products and
- Arsenic and chromium, from chemically treated lumber

For Further information consult the following sources:

<http://www.osha.gov/SLT/silicacrystalline/index.html>

http://www.oehha.org/prop65/out_of_date/6022kLstA.html

The iQ360x® is very effective dust control saw but, your risk from these exposures varies depending on how often you do this type of work. To reduce your exposure to these chemicals, work well in a well-ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

ELECTRICAL REQUIREMENTS & GROUNDING INSTRUCTIONS

In order to prevent potential electrical shock and injury, the following electrical safety precautions and symbols should be followed at all times!

⚠️ WARNING

In case of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This tool is equipped with an electric cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.

- Do not modify the plug provided—if it will not fit the outlet; have the proper outlet installed by a qualified electrician
- Improper connections of the equipment-grounding conductor can result in a risk of electric shock. The equipment - grounding conductor is the insulated conductor that has an outer surface that is green, with or without yellow stripes. If repair or replacement of the electric cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal
- Check qualified electrician or service personnel if the grounding instructions are not completely understood, or if in doubt as to whether the tool is properly grounded
- Use only 3-wire extension cords, that have 3-prong grounding plugs and 3-pole receptacles that accept the tool’s plug
- Repair a damaged or worn cord immediately

⚠️ WARNING

This tool is intended for the use on a circuit that has an outlet that looks like the one shown in Image A of Figure 1. The tool has a grounding plug that looks like the plug illustrated in IMAGE A if FIGURE 1. A temporary adapter, which looks like the adapter illustrated in images B and C, may be used to connect this plug to a 2-pole receptacle as shown in Image B, if a properly grounded outlet is not available.

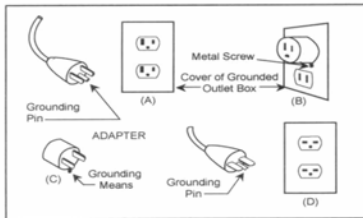


FIGURE 1

- The temporary adapter should be used only until a properly grounded outlet can be installed by a qualified electrician. The green-colored rigid ear, lug, and the like, extending from the adapter, must be connected to a permanent ground such as a properly grounded outlet box.

NOTE: use of a temporary adapter is not permitted in Canada.

⚠️ WARNING

To reduce the risk of electrocution, keep all connections dry and off the ground.

A Ground Fault Circuit Interrupter (GFCI) should be provided on the circuit(s) or outlet(s) to be used for the saw. Receptacles are available having built-in GFCI protections and may be used for this measure of safety.

⚠️ WARNING

Use of extension cords result in low voltage to the more that can result in motor burnout and premature failure. Equipment returned to us showing signs of being run in a low voltage condition, through the use of undersized extension cords will be repaired or replaced totally at the customers expense. There will be NO warranty claim.

To Choose the proper extension cord - Locate the length of extension cord needed in Table 1 below.

As an example, a fifty (50) foot extension cord would require an AWG size of 12.

**Table 1: Extension Cord Minimum Gage for Length
Total Length of Cord in Feet**

25 ft.	50 ft	100 ft.	150 ft.
AWG	AWG	AWG	AWG
12	12	Not Recommended	Not Recommended
Volts 120V	Volts 120V	Volts 120V	Volts 120V

UNPACKING, TRANSPORT and ASSEMBLY

UNPACKING

- Your iQ360x® has been shipped from the factory thoroughly inspected. Only minimal assembly is required.
- If not already done, remove the iQ360x® from the carton and **place saw on top of Dust Tub and fasten.**
- Check contents with list below.



CONTENTS:		
Item #	Quantity	Description
1	one	iQ360x®
2	one	Dust Tub
3	one	Cutting Fence
4	one	Filter
5	one	Owner's Manual
6	one	Warranty Card

TRANSPORT

The iQ360x® weighs approximately sixty-five pounds making transport easy.



CAUTION

Always observe safe lifting practices when lifting the iQ360x®.

NOTE

Lock the Cutting Head in the DOWN position.

Due to its light construction, the iQ360x® is designed to be carried by the handles at the front & back of the saw. Simply lock (1) the spring assisted Cutting Head in position (2), grasp the lower front and rear cross members (3,4). Lift and handle the iQ360x® to the desired location.

SETUP, ADJUSTMENT & OPERATION

SETUP:

CAUTION
<ul style="list-style-type: none"> Before powering or starting, check for damage that could prevent this equipment from proper operation or performing its intended function. Check for binding and alignment of moving parts. Check for damaged, broken, or missing parts. Before connecting the iQ360x® to a power supply, be sure the voltage, cycle and phase of the job site power source meet the requirements listed in TABLE 3. If using an extension cord, make sure the length and wire gauge corresponds to the requirements listed in TABLE 1 on page 7. An extension power cord that is too small in wire gauge (diameter), or too long in length, will cause the motor to overheat and could cause premature failure. Use an approved Ground Fault Circuit Interrupter (GFCI) as needed Do not cover the motor vents as this could lead to motor overheating.
<p>PORTABLE GENERATOR: If using a portable generator to provide power, ensure the generator meets the following <u>minimum requirements</u> listed in Table 4:</p>

WARNING

MAKE SURE TRIGGER LOCK BUTTON IS DISENGAGED BEFORE PLUGGING INTO POWER SOURCE

Table 3

VOLTAGE:	115v
CYCLE:	50-60 Hz
PHASE:	Single Phase

Table 4

4KW	120Volts	33amps	Single Phase
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PRE-START INSPECTION:

The pre-start inspection should be performed before beginning any job.

NOTE
In order to avoid breaker tripping, a 20-amp circuit breaker should be used.

CAUTION
If the diamond blade shows signs of fatigue cracking, replace the blade before starting work.

- Inspect Blade for damage (1). Verify that the Blade is correct for the material being cut.
- Inspect other areas for damage, including Frame Assembly (2), Handle (3), and Cord Assembly (4).
- Plug the Ground Fault Circuit Interrupter (GFCI) into the iQ360x®.
- Plug the GFCI into a power source.

CAUTION
If an extension cord is used, first verify it meets the requirements of TABLE 1 (page 7). Plug the IQ360X® into the extension cord; plug the extension cord into a Ground Fault Circuit Interrupter (GFCI). Finally, plug the GFCI into the power source in that order.

CAUTION
DO NOT FORCE the blade to cut! It will do the job better and safer at the rate for which it was designed.

SETUP, ADJUSTMENT & OPERATION

Chop Saw:

Features

- A. Lock Pin
- B. Blade
- C. Guard
- D. Blade lock lever
- E. Trigger Switch

To Carry:

Fold down unit to position where you can carry the saw. Push in lock pin (A) to lock arm down.

Unlocking:

To unlock tool and raise head, depress motor arm slightly and pull lock pin (A) out. Motor arm will then pivot upward.

Trigger Switch:

To start the tool, depress the trigger switch (N). To turn the tool off, release the trigger switch. Keep hands and material from wheel until it has coasted to a stop. To prevent unauthorized use of tool, install a standard padlock (not included) into the padlock hole located in the trigger.

Fence Operation:

The Fence can be set two ways:

In the stow position at back of table

In guide position at front of table.



REMOVAL AND INSTALLATION OF BLADE:

1. Push in blade lock lever (L) and rotate wheel (J) by hand until blade lock lever engages slot in inside flange (S) to lock blade. Loose the bolt or if equipped with a hand loosen quick change knob (T) counterclockwise in the center of the blade with the 8mm hex wrench (G). Bolt has right-handed thread or (x) quick change knob.
2. Remove the bolt (T), washer (U), outside flange (V).
3. Make sure flange surfaces are clean and flat. Install new blade by reversing the above steps.
4. Do not overtighten bolt.

FIG. 7

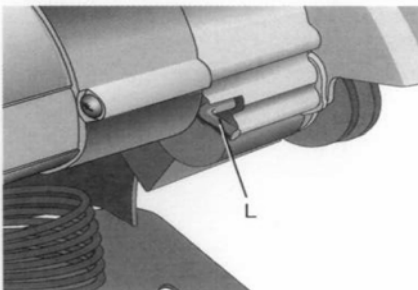
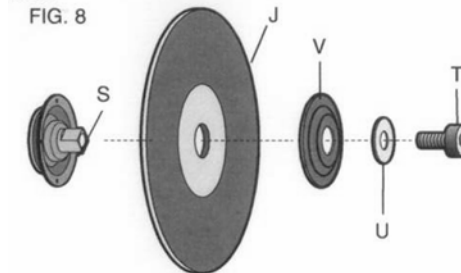


FIG. 8



SETUP, ADJUSTMENT & OPERATION

CUTTING CAPACITY:

The iQ360x® provides a cutting capacity of pieces that are 4.5” Height Maximum –12” Long Maximum.

CUTTING:

- A Cut is performed by cutting completely through an object in one pass.
- Cut setup: Depress trigger to start blade motor, position work piece below the blade.
- Using the Handle, lower the Cutting Head to begin cutting.
- Using the Handle, continue to lower the cutting head until the cut is complete.
- When the cut is complete, release the Trigger Switch. Allow the Blade to stop before removing work. Using the Handle to raise the Cutting Head.

CUTTING WITH THE CUTTING HEAD LOCKED DOWN:

- Hold the cutting head down while depressing the lock pin into the lockdown hole.
- Hold work in position, depress trigger to start motor.
- Push work material into the blade until the cut is complete. Allow the blade to stop moving before removing any material from cutting table.



CAUTION

DO NOT FORCE TOOL! It will do the job better and safer at the rate for which it was designed.

OPERATION TIPS for MORE ACCURATE CUTS:

- Allow the blade to do the cutting. Excessive force will cause the wheel to glaze reducing cutting efficiency and/or to deflect causing inaccurate cuts.
- Make sure material is laying flat across the base.
-

Correct Way



Wrong Way



Never cut directly on top of material as shown above. This can result in serious injury and dust exposure

MAINTENANCE & TROUBLESHOOTING

MAITNENANCE:

GENERAL MAINTENANCE:

- The following maintenance should be performed following each use. Use light oil, such as WD-40 or 3-in-1 when lubricating parts.
- Lubricate the Cutting Heading Torsion Spring.

WARNING

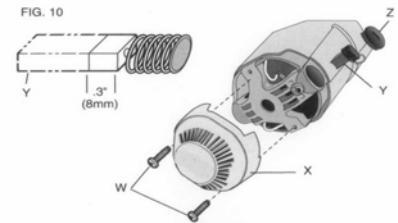
Turn Off and unplug the tool. Be sure the Trigger switch is in the OFF position.

MOTOR BRUSH INSPECTION AND REPLACEMENT:

Brushes should be regularly inspected for wear. To inspect brushes unscrew the two end cap screws (W) and remove end cap (X). Remove brush cap (Z). Brushed (Y) should slide freely in brush box. If brushes are worn down to .3" (8mm) as shown in Figure 10 they should be replaced.

To reinstall:

1. push new brush back into brush box
2. If replacing the existing brush, maintain same orientation as when removed.
Replace the brush cap (**DO NOT OVERTIGHTEN**).
1. Replace end cap and two screws.
2. Tighten Securely.



CLEANING:

Blowing dust and grit out of the main housing by means of an air hose is recommended and may be done as often as dirt is seen collecting in and around the air vents. Always wear proper eye and respiratory protection.

REPAIRS:

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.

NOTE: Unit may be converted to a 3-wire twist lock cord set at an authorized service center.

LUBRICATION:

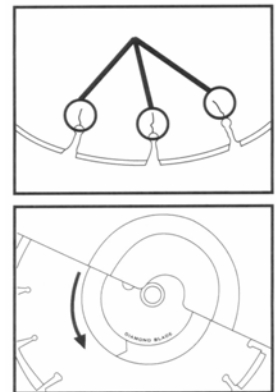
Closed -type, grease-sealed ball bearings are used throughout. These bearings have sufficient lubrication packed in them at the factory to last the life of the chop saw.

BLADE WILL NOT CUT PROPERLY:

STEP A: Check for proper rotation. If rotation is not correct, reposition the Blade. If rotation is correct, proceed to Step B.

STEP B: Ensure the blade core is not bent. If core is bent, change blade. If core is not bent, proceed to Step C.

STEP C: Verify the correct Blade is being used for Material. Contact the place of purchase or iQ Power Tools™ (888) 274-7744 for additional assistance.



MAINTENANCE & TROUBLESHOOTING

MAITNENANCE:

REMOVE AND REPLACE FILTER:

NOTE
It is HIGHLY recommended that the filter element be replaced EVERY year.

- To remove & replace filter, remove filter spin knob by turning counterclockwise while securing filter from rotation.
- Remove fasteners from front filter access plate.
- Pull filter through opening .
- Bag filter and dispose of it properly.

TO REPLACE FILTER CLEANING FLAP:

- Remove fastener at filter cleaning flap.
- Replace with new included flap.
- Adjust flap to engage filter pleats by 1/8" to 3/16" **for proper cleaning function.**

REPLACING FILTER BACK INTO UNIT:

- Insert open end of new filter into the opening housing and carefully work opening seal into filter flange by rotating filter back and forth until firmly seated.
- Replace filter access plate with fasteners with filter rotation bolt centered in hole.
- Install filter spin knob threading on clockwise.





iQ Power Tools™ Limited Warranty

New equipment sold by iQ Power Tools™ or an iQ™ authorized dealer is warranted to be free from manufacturing defects in normal service for a period of one (1) year from date of purchase by the original consumer purchaser. Warranty period for rental items is 90 days.

All iQ™ products must be registered either through our website or by mailing in the Warranty Card in order for the warranty to be active and valid. This Warranty shall not apply to any parts that have been subjected to misuse or improper service, damaged in transit or handling, altered or repaired by unauthorized representatives, or used with a blade that is not recommended by iQ Power Tools™.

Any claim arising under this Warranty must be submitted by the original purchaser within the Warranty period specified above and must include proof of purchase. Within Warranty period, options are either to replace or repair any parts or components that are found to be defective by iQ Power Tools™ at no charge to the original purchaser. iQ Power Tools™ shall not be responsible or obligated to pay for freight or other transportation-related costs or expenses in connection with any defective products, replacements, or components that are returned to iQ Power Tools™ facility or any authorized repair station.

Parts and labor needed to maintain products, and the replacement of components due to normal wear and tear, are the purchaser's responsibility and are not covered by this Warranty. All products or components replaced under Warranty become the property of the manufacturer. All replacement parts will be considered to be part of the original product and any Warranty on such parts will expire concurrently with this original Warranty.

iQ Power Tools™ will pay for parts and labor in connection with Warranty repairs conducted by iQ Power Tools™ or its authorized repair center. Replacement parts installed by anyone else will be provided without a charge but this Warranty will not apply to labor charges in connection therewith.

IN NO EVENT SHALL ANY LIABILITY UNDER THIS WARRANTY EXCEED THE REPLACEMENT COST OF ANY DEFECTIVE PRODUCT OR COMPONENT THEREOF. iQ Power Tools™ SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES OR FOR ANY OTHER DAMAGE OR LOSS NOT EXPRESSLY ASSUMED AS SET FORTH HEREIN. The Warranty on the terms above is the only Warranty. This limited Warranty is expressly in lieu of all other Warranties, whether expressed or implied.

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