

# Hejny Rentals, Inc.

Contractor, Lawn & Garden, and Party Equipment Rentals  
1829 White Bear Ave. - Maplewood, MN 55109  
Phone: 651-770-3841 – Fax: 651-770-1725  
[www.hejnyrental.com](http://www.hejnyrental.com)

## **SAFETY**

Read and follow all safety, operating and maintenance instructions. Failure to read and follow these instructions could result in injury or death to you or others. Failure to read and follow these instructions could also result in damage and/or reduced equipment life.

### **SAFETY MESSAGES:**

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

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

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

Not following instructions **CAN** lead to injury

### **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 word NOTE, as in the example below.

NOTE:

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

### **GENERAL SAFETY PRECAUTIONS:**

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

#### **Safety Precautions:**

KEEP GUARDS IN PLACE.

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.

KEEP CHILDREN AWAY.

All visitors and children should be kept a safe distance from work area.

MAKE THE WORKSHOP KID PROOF.

Make the workshops kid proof by using padlocks, master switches or by removing starter keys.

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.

## **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. The smaller the gage number, the heavier the cord.

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.

SECURE WORK.

Clamps or a vise should be used to hold work whenever practical. Keeping your hands free to operate a power tool is safer.

DO NOT OVERREACH.

Keep proper footing and balance at all times by not overreaching.

MAINTAIN TOOLS WITH CARE.

# **Need It. Rent It!**

Keep tools clean for the best and safest performance. Always follow maintenance instructions for lubricating, and when changing accessories.

#### DISCONNECT TOOLS.

Power tools should always be disconnected before servicing or when changing accessories, such as blades, bits, cutters, and the like.

#### REDUCE THE RISK OF UNINTENTIONAL STARTING.

Make sure the ON/OFF switch is in the OFF position before plugging in a power tool.

#### USE RECOMMENDED ACCESSORIES.

Consult the owner's manual for recommended accessories. Using improper accessories may increase the risk of personal or by-stander injury.

#### NEVER STAND ON THE TOOL.

Serious injury could occur if a power tool is tipped, or if a cutting tool is unintentionally contacted.

#### 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 a blade or cutter against the direction of rotation. A blade or 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 POWER OFF.

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.

Sawing and drilling generates dust. Excessive airborne particles may cause irritation to eyes, skin and 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.

#### **ELECTRICAL REQUIREMENTS AND GROUNDING INSTRUCTIONS:**

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

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 with a 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 or replace a damaged or worn cord immediately

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.

When using an extension cord, the GFCI should be installed closest to the power source, followed by the extension cord and lastly, the saw.

To avoid the possibility of the appliance plug or receptacle getting wet, position the saw to one side of a wall mounted receptacle. This will prevent water from dripping onto the receptacle or plug. A "drip loop" should be arranged by the user to properly position the power cord relative to the power source. The "drip loop" is that part of the cord below the level of the receptacle, or the connector, if an extension cord is used. This method of positioning the cord prevents the travel of water along the power cord and coming in contact with the receptacle. If the plug or receptacle gets wet, DO NOT unplug the cord. Disconnect the fuse or circuit breaker that supplies power to the tool. Then unplug and examine for presence of water in the receptacle.

Use only extensions cords that are intended for outdoor use. These extension cords are identified by a marking "Acceptable for use with outdoor appliances; store indoors while not in use." Use only extension cords having an electrical rating not less than the rating of the product. Do not use damaged extension cords. Examine extension cords before using and replace if damaged. Do not abuse extension cords and do not yank on any cord to disconnect. Keep cords away from heat and sharp edges. Always disconnect the extension cord from the receptacle before disconnection the product from the extension cord.

To reduce the risk of electrocution, keep all connections dry and off the ground. Do not touch the plug with wet hands.

Use of undersize extension cords result in low voltage to the motor that can result in motor burnout and premature failure. MK Diamond warns that 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 customer's expense. There will be no warranty claim.

To choose the proper extension cord, locate the length of the extension cord needed in the table below.

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### Extension Cord Maximum Gage for Length

Volts	Total Length of Cord in Feet
120V	25 ft. 14 AWG
120V	50 ft. 12 AWG
<b>120V</b>	<b>100 ft. NOT RECOMMENDED</b>

### TILE SAW SPECIFIC WARNINGS:

- Wear eye protection.
- Use splash hood for every operation for which it can be used.
- Disconnect saw before servicing, when changing cutting blades, and cleaning.
- Use tool only with smooth edge cutting blades free of openings and grooves.
- Replace damaged cutting blade before operating.

### SETUP, ADJUSTMENT and OPERATION

#### SETUP:

##### 1. Pre-start Inspection:

Prior to beginning work, a pre-start inspection of the saw should be performed.

(A) Ensure the ON/OFF Switch is in the OFF position

(B) Verify the Movable Cutting Table moves freely

(C) Inspect the Diamond Blade for damage – verify the blade is correct for the type of material being cut

(D) Inspect the Pump Assembly for damage – ensure the cord is free of cracks or cuts

(E) Inspect the MK-770 for damage – ensure the cord is free of cracks or cuts

##### 2. Connecting the Water Pump:

1. To prevent the possibility of electrical shock, the MK-770 MUST be de-energized when connecting the Water Pump.

2. To prevent the possibility of electrical shock, use only MK Diamond qualified replacement parts

NOTE: To prevent pump damage, the Water Pump must be disconnected if cutting with a Dry Blade.

(A) Connect the Cooling Transfer Tube to the inlet connection of the Blade Guard

(B) Connect the Water Pump power cord to the connection found on the back of the motor

##### 3. Water Pump Setup for Operation:

The Water Pump can be setup for operation in two ways, External Water Source or Re-circulation.

NOTE: If using a dry blade for operation, DO NOT connect the water pump.

##### I. External Water Source:

This is the preferred method of cooling.

(A) Remove the Drain plug

(B) Place the Water Pump In an external container

(C) Fill the external container until water completely covers the Water Pump suction

(D) Place an external catch Basin below the Water Pan Drain Hole

##### II. Re-circulation:

NOTE: When using the re-circulation method, the water should be changed often for longer pump life.

(A) Ensure the Drain Plug is installed in the Water Pan

(B) Place the Water Pump in the back of the Water Pan

(C) Fill the Water Pan until water completely covers the Water Pump suction

### SETUP, ADJUSTMENT and OPERATION

#### ADJUSTMENT and OPERATION:

##### 1. Cutting Straight Edges:

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

(A) Loosen the Adjustable Cutting Guide retaining thumbscrew

(B) Position the Adjustable Cutting Guide to desired cut length indicated inside the diamond

(C) Tighten the retaining Thumbscrew

(D) Place the tile against the Ruler/Stop and Cutting Guide

(E) Turn the motor ON

(F) Verify cooling flow on both sides of the blade

(G) Perform the cut

(H) Turn the motor OFF when work is complete

##### 2. Cutting 45° Miters:

The MK-770 is designed with an adjustable Cutting Head for precision 45° Miter Cuts.

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

(A) Loosen the Cutting Head Pivot, Retaining Knob

(B) Pivot the Cutting Head to the 45° cutting position

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- (C) Tighten the Cutting Head, Pivot Retaining Knob
- (D) Loosen the Adjustable Cutting Guide retaining thumbscrew
- (E) Position the Adjustable Cutting Guide to desired cut length indicated inside the diamond
- (F) Tighten the retaining Thumbscrew
- (G) Place the tile against the Ruler/Stop and Cutting Guide
- (H) Turn the motor ON
- (I) Verify cooling flow on both sides of the blade
- (J) Perform the cut
- (K) Turn the motor OFF when work is complete
- (L) Return the Cutting Head to the upright position when complete

### 3. Diagonal Cutting:

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

- (A) Remove the Adjustable Cutting Guide
- (B) Place the Dual 45° Flat Angle Guide on the Ruler/Stop
- (C) Position the Dual 45° Flat Angle Guide and tighten the retaining thumbscrew
- (D) Position the tile against the Dual 45° Flat Angle Guide and the Ruler/Stop
- (E) Turn the motor ON
- (F) Verify cooling flow on both sides of the blade
- (G) Perform the cut
- (H) Turn the motor OFF when work is complete

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