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## Norton Clipper CTC705

# Norton Clipper CTC705 Tabletop Tile Saw Instruction Manual

Model: **CTC705** | Brand: **Norton Clipper**

## PRODUCT OVERVIEW

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The Norton Clipper CTC705 Tabletop Tile Saw is an electric-powered tool designed for cutting various types of tile and natural stone. It features a robust belt-driven 1 HP motor, a 7-inch blade capacity, and a maximum cutting depth of 2 inches. This saw is engineered for efficiency and portability, making it suitable for small to medium-sized jobs in building and construction applications.

Key features include a sturdy aluminum cutting table with an anti-skid top for material stability, a lightweight water pan for easy cleaning, and a smooth conveyor system for precise straight cuts. The saw operates at 115 Volts and has a blade rotation speed of 6000 RPM.



Figure 1: Front view of the Norton Clipper CTC705 Tabletop Tile Saw, showing the motor, blade guard, cutting table, and water pan.

## IMPORTANT SAFETY INFORMATION

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Always read and understand 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.

- Wear appropriate personal protective equipment (PPE) including safety glasses, hearing protection, and gloves.
- Ensure the work area is clean and well-lit. Cluttered or dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.
- Always disconnect the power plug from the electrical outlet before making any adjustments, changing accessories, or storing power tools.
- Use the correct power tool for your application. Do not force the tool.
- 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.
- This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## SETUP AND ASSEMBLY

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### 1. Unpacking

Carefully remove all components from the packaging. Inspect the saw for any damage that may have occurred during shipping. Report any damage to your supplier immediately.

## 2. Water Pan Setup

1. Place the saw on a stable, level surface.
2. Ensure the lightweight water pan is securely positioned beneath the cutting table.
3. Fill the water pan with clean water until the blade is adequately submerged during operation. The high intake and output system helps maintain fresh water.

## 3. Blade Installation

1. Ensure the saw is unplugged from the power source.
2. Refer to the blade guard for instructions on how to access the blade arbor.
3. Install a 7-inch diameter diamond blade with a 5/8-inch arbor hole. Ensure the blade is mounted correctly with the cutting direction arrow matching the saw's rotation.
4. Secure the blade using the provided flange and nut. The blade flange diameter is 2.6 inches.
5. Replace the blade guard securely before operation.

## 4. Power Connection

Connect the saw to a standard 115 Volt electrical outlet. Ensure the circuit can handle the saw's power requirements. Avoid using extension cords unless absolutely necessary, and if used, ensure they are rated for outdoor use and appropriate gauge for the distance.

# OPERATING INSTRUCTIONS

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## 1. Basic Operation

1. Ensure the water pan is filled and the blade is correctly installed.
2. Plug the saw into a 115V power outlet.
3. Turn on the saw using the power switch. Allow the blade to reach full operating speed (6000 RPM) before beginning a cut.

## 2. Cutting Depth Adjustment

The saw allows for a maximum cutting depth of 2 inches. Adjust the blade height as needed for the thickness of your material. Ensure the blade clears the material when not cutting and is set to the appropriate depth for a clean cut.

## 3. Performing a Rip Cut

The saw is capable of rip cuts up to 17 inches. Utilize the sturdy aluminum cutting table and its anti-skid top to keep the material in place. The light-weight conveyor provides a smooth slide, ensuring straight and accurate cuts. Use the locking mechanism on the conveyor for secure material positioning.

## 4. Material Placement

Place the tile or stone securely on the cutting table. Ensure the material is stable and will not shift during the cut. Guide the material slowly and steadily through the blade, allowing the saw to do the work. Do not force the material.

# MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your Norton Clipper CTC705 Tile Saw. Always disconnect the power before performing any maintenance.

## 1. Water Pan Cleaning

After each use, or as needed, empty and clean the water pan. Slurry buildup can reduce cooling efficiency and clog the pump/filter. The lightweight design of the pan facilitates easy removal and cleaning.

## 2. Filter Maintenance

The saw is equipped with a durable filter to keep debris out of the water circulation system. Periodically inspect and clean the filter to ensure proper water flow and cooling of the blade. A clogged filter can lead to overheating and reduced blade life.

## 3. Blade Care

Inspect the diamond blade regularly for wear or damage. A dull or damaged blade can affect cutting performance and safety. Replace blades as necessary. Ensure the blade is clean and free of debris before and after use.

## 4. General Cleaning and Storage

Wipe down the saw after each use to remove dust and debris. Store the saw in a dry, secure location away from moisture and extreme temperatures. The locking mechanism on the conveyor aids in easier transportation and storage.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Saw does not start	No power supply; tripped circuit breaker; faulty power switch.	Check power connection and outlet; reset circuit breaker; contact qualified service personnel.
Blade not cutting efficiently	Dull or worn blade; insufficient water flow; incorrect blade type for material.	Replace blade; check water level and clean filter; ensure correct blade for material.
Excessive vibration or noise	Loose blade; damaged blade; worn bearings; unstable work surface.	Tighten blade nut; replace damaged blade; contact service for bearing issues; ensure stable setup.
Water not circulating properly	Clogged filter; low water level; pump malfunction.	Clean filter; refill water pan; contact service for pump issues.

## SPECIFICATIONS

Attribute	Detail
Brand	Norton Clipper
Model Number	CTC705
Power Source	Electric-Powered (115 Volts)
Motor	1 HP, Belt-driven
Blade Material	High Speed Steel (for saw components, cutting blade is diamond)
Maximum Blade Diameter	7 Inches
Arbor Hole	5/8 Inches
Blade Flange Diameter	2.6 Inches
Maximum Cutting Depth	2 Inches
Rip Cut Capacity	Up to 17 Inches
Rotation Speed	6000 RPM
Item Weight	50 pounds
Package Dimensions	33 x 22.75 x 20.5 inches
Surface Recommendation	Tile
Included Components	Saw

## WARRANTY AND SUPPORT

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### Warranty Information

This Norton Clipper product is covered by the manufacturer's standard warranty. Please refer to the warranty card included with your purchase or visit the official Norton Clipper website for detailed terms and conditions regarding coverage, duration, and claims procedures. Keep your proof of purchase for warranty validation.

### Customer Support

For technical assistance, parts, or service inquiries, please contact Norton Clipper customer support. You can typically find contact information on the manufacturer's website or in the documentation provided with your saw. When contacting support, please have your model number (CTC705) and serial number (if applicable) ready.

For additional protection, consider the available protection plans. Information on these plans can be found where you purchased the product.

