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VEVOR TC180II

VEVOR TC180II 7-inch Wet Tile Saw Instruction Manual

Model: TC180II

1. IMPORTANT SAFETY INSTRUCTIONS

Read and understand all safety warnings and instructions before operating this wet tile saw. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

General Power Tool Safety

- **Work Area Safety:** Keep the work area 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.
- **Electrical Safety:** 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. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- **Personal Safety:** Always wear eye protection (safety glasses or goggles) and hearing protection. Use a dust mask if operating in dusty conditions. Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing, and gloves away from moving parts.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. 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.

Wet Tile Saw Specific Safety

- **Water and Electrical:** Ensure the water reservoir is properly filled and positioned. Never operate the saw without water when cutting to prevent blade damage and excessive dust. Keep all electrical connections dry.
- **Blade Safety:** Always use the correct type and size of blade for the material being cut. Ensure the blade is securely installed before operation. Never attempt to cut materials thicker than the maximum cutting depth.
- **Material Handling:** Secure the workpiece firmly. Do not hold small pieces by hand while cutting. Keep hands clear of the blade path.

- **Reset Safety Switch:** This saw is equipped with a reset safety switch. In case of a power interruption, the saw will not restart automatically when power is restored. You must manually press the ON button to resume operation. This feature is designed to prevent accidental startup.

2. PRODUCT OVERVIEW

The VEVOR TC180II Wet Tile Saw is designed for cutting various tiles and stones with precision. It features a 7-inch 65Mn steel blade, a 3500 RPM induction motor, and an adjustable miter angle from 0 to 45 degrees.



Figure 2.1: Overview of the VEVOR TC180II Wet Tile Saw.

Components

The package includes the main saw unit and several accessories to facilitate operation and maintenance.



Figure 2.2: Included components: main saw unit, 7-inch blade, water reservoir, blade guard, miter gauge, wrenches, and other assembly hardware.

- Main Saw Unit with Induction Motor
- 7-inch 65Mn Steel Blade
- Water Reservoir (removable)
- Blade Guard
- Miter Gauge / Rip Guide
- 3 x Wrenches for blade changes and adjustments
- Push Stick (if included, for safe material feeding)

3. SETUP

Follow these steps to set up your VEVOR Wet Tile Saw before initial use.

3.1 Assembly

1. **Unpack Components:** Carefully remove all components from the packaging. Inspect for any damage.
2. **Install Blade:** Ensure the saw is unplugged. Loosen the blade arbor nut using the provided wrenches. Place the 7-inch 65Mn steel blade onto the arbor, ensuring the rotation direction matches the arrow on the blade guard. Securely tighten the arbor nut.

3. **Attach Blade Guard:** Position the blade guard over the blade and secure it according to the saw's design. Ensure it moves freely for cutting operations.
4. **Position Water Reservoir:** Place the removable water reservoir beneath the cutting table. Ensure it is correctly seated to catch water and debris.
5. **Install Miter Gauge/Rip Guide:** Attach the miter gauge or rip guide to the cutting table as needed for your specific cuts.

3.2 Filling the Water Reservoir

The wet cutting design requires water to cool the blade and minimize dust.



Figure 3.1: The removable water reservoir minimizes dust and cools the blade during operation.

- Fill the water reservoir with clean water up to the indicated fill line.
- Ensure the water level is sufficient to keep the blade wet during cutting.
- Regularly check and refill the water reservoir during extended use.

4. OPERATING INSTRUCTIONS

This section details how to safely and effectively operate your wet tile saw.

4.1 Powering On/Off

SECURE RESET SWITCH

Avoid accidental contact with the saw blade and injury



Figure 4.1: The reset safety switch prevents accidental activation.

- Plug the saw into a 120 Volt power outlet.
- To turn ON, press the green 'I' button on the reset safety switch.
- To turn OFF, press the red 'O' button.
- Remember the reset safety switch feature: if power is interrupted, you must manually restart the saw.

4.2 Adjusting Cutting Angle

The saw allows for angle adjustments from 0 to 45 degrees for miter cuts.



Figure 4.2: The saw features an angle adjustment knob for flexible control of cutting angles.

- Loosen the angle adjustment knob located on the side of the saw.
- Tilt the cutting table to the desired angle between 0 and 45 degrees.
- Securely tighten the adjustment knob to lock the angle in place.

4.3 Making a Cut



Figure 4.3: Demonstrating the proper technique for feeding material into the saw.

- Ensure the water reservoir is filled and the blade is properly installed.
- Turn on the saw and allow the blade to reach full speed (3500 RPM).
- Place the tile or stone on the cutting table, aligning the cut line with the blade. Use the miter gauge or rip guide for straight and accurate cuts.
- Slowly and steadily feed the material into the blade. Do not force the material, as this can cause chipping or kickback.
- Maintain a firm grip on the material, keeping hands away from the blade. Use a push stick for smaller pieces.
- Once the cut is complete, turn off the saw and wait for the blade to stop before removing the material.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your wet tile saw.

5.1 Cleaning

- **After Each Use:** Unplug the saw. Remove the water reservoir and empty it. Clean out any accumulated

sludge and debris from the reservoir and the saw's cutting area.

- **Blade Cleaning:** Clean the blade to remove any caked-on material. A clean blade provides better cuts and extends blade life.
- **General Cleaning:** Wipe down the galvanized work surface and other parts of the saw with a damp cloth. The galvanized surface is designed to be rust and scratch-resistant.

5.2 Blade Replacement

- Always unplug the saw before attempting to change the blade.
- Use the provided wrenches to loosen the arbor nut.
- Carefully remove the old blade and install the new 7-inch blade, ensuring correct rotation direction.
- Tighten the arbor nut securely.

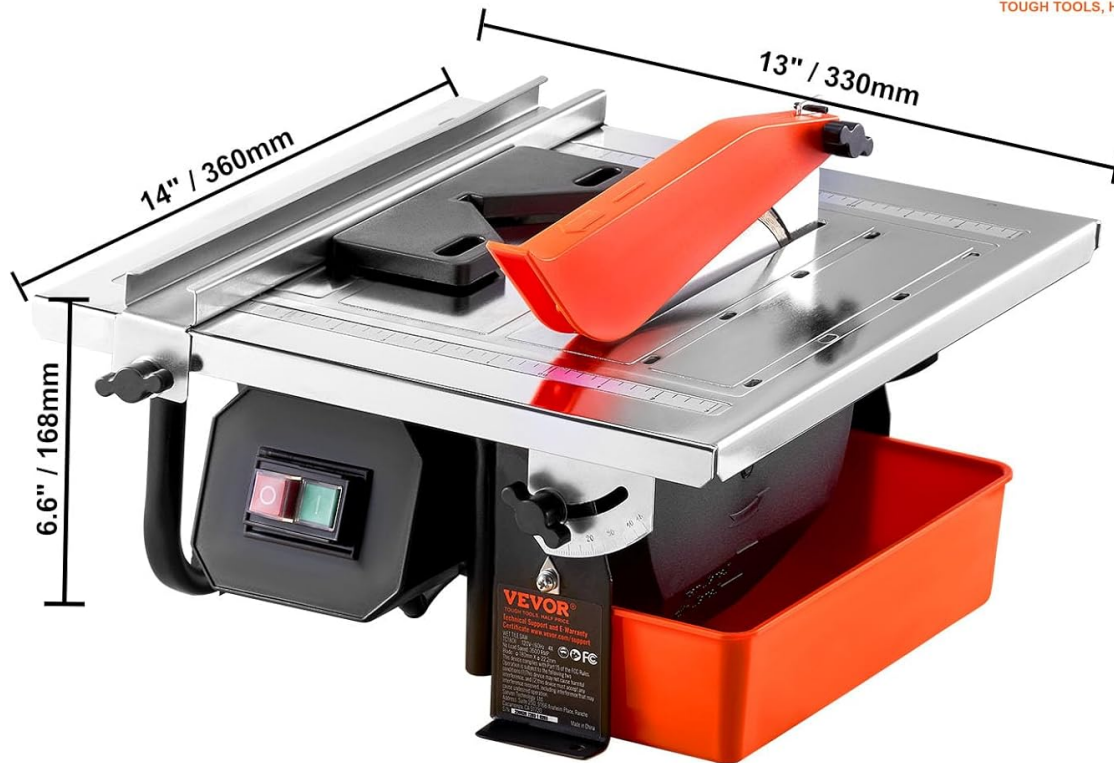
6. TROUBLESHOOTING

This section addresses common issues you might encounter with your wet tile saw.

- **Saw does not start:** Check if the power cord is securely plugged in. Verify the power outlet is functional. Ensure the reset safety switch is pressed to the 'ON' position.
- **Jagged or chipped cuts:** The blade may be dull and require replacement. Ensure you are not forcing the material too quickly. Verify the material is securely held. Consider using a higher quality blade for finer cuts.
- **Excessive vibration:** Check if the blade is properly installed and tightened. Ensure the saw is placed on a stable, level surface.
- **Water leakage from reservoir:** Inspect the water reservoir for cracks or improper seating. Ensure all connections are tight.
- **Overheating motor:** Ensure the saw is not overloaded by cutting materials too quickly or too thick. Allow the motor to cool down if it feels excessively hot.

7. SPECIFICATIONS

Technical details for the VEVOR TC180II Wet Tile Saw.



Item Model Number: TC180 II

Main Table Size: 13 x 14 in / 330 x 360 mm

Material: Q235A Steel, Zinc-Coated Surface

Blade Thickness: 0.09 in / 2.2 mm

Blade Size: ϕ 7 in x 0.6 in / 180 mm x 15.9 mm

Blade Material: 65Mn Steel

Cutting Angle: Adjustable from 0 to 45 degrees

Max Cutting Depth: 1.25 in / 31 mm

Weight: 9.2 kg / 20.2 lb

Motor: Induction Motor, 3500 \pm 10%RPM

Figure 7.1: Key dimensions and specifications of the VEVOR TC180II Wet Tile Saw.

Feature	Specification
Model Number	TC180II
Power Source	Corded Electric
Voltage	120 Volts
Motor Type	Induction Motor
Speed	3500 RPM
Blade Diameter	7 Inches (180 mm)
Blade Material	65Mn Steel
Max Cutting Depth	1.25 inches / 31 mm
Cutting Angle	0-45 Degrees
Product Dimensions (L x W x H)	13"L x 14"W x 6.6"H (330mm x 360mm x 168mm)
Item Weight	20.2 Pounds (9.2 kg)
Work Surface Material	Zinc-Coated Steel
Included Components	3 x Wrenches, 7-inch blade, water reservoir, miter gauge

8. WARRANTY AND SUPPORT

This VEVOR product comes with a limited warranty. For specific warranty details, please refer to the documentation included with your purchase or visit the official VEVOR website.

For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact VEVOR customer service through their official channels. Always provide your product model number (TC180II) and purchase information when seeking support.