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› Raimondi Gladiator 130 51-inch Wet Tile Bridge Saw WSGLA130 User Manual

Raimondi WSGLA130

Raimondi Gladiator 130 51-inch Wet Tile Bridge Saw

MODEL: WSGLA130 USER MANUAL

1. Introduction

The Raimondi Gladiator 130 WSGLA130 is a robust 51-inch wet tile bridge saw engineered for precise cutting of various materials, including porcelain, ceramic, marble, granite, glass, and brick. This professional-grade tool features a 110-volt, 1.5 HP motor, offering adjustable cutting depth and a tilt motor mount for accurate 45-degree bevel cuts. Its durable construction includes a cast and extruded aluminum frame, a sliding motor mount with a cast aluminum housing, and four resettable pulleys for smooth operation. The integrated polypropylene basin ensures easy cleaning and holds 10 gallons of water. Telescopic legs with a safety device provide stability and ease of setup, while the rotating blade guard maintains maximum cutting depth for consistent results.

2. Safety Information

Always prioritize safety when operating power tools. Failure to follow these instructions may result in serious injury or property damage.

- **Personal Protective Equipment (PPE):** Always wear ANSI-approved eye protection, hearing protection, and a dust mask. Wear appropriate work clothing; avoid loose clothing or jewelry that could get caught in moving parts.
- **Work Area:** Ensure your work area is clean, well-lit, and free of clutter. Keep children and bystanders away from the operating saw.
- **Electrical Safety:** Connect the saw to a properly grounded 110-volt outlet protected by a Ground Fault Circuit Interrupter (GFCI). Do not operate in wet conditions or expose to rain. Inspect power cords for damage before each use.
- **Blade Safety:** Disconnect power before changing or inspecting the blade. Ensure the blade guard is always in place and functioning correctly. Keep hands and fingers clear of the blade at all times.
- **Stability:** Ensure the saw's telescopic legs are fully extended and locked, and the saw is on a stable, level surface before operation.
- **Material Handling:** Securely support the material being cut. Never force the saw through material; allow the blade

to cut at its own pace.

3. Included Components

Your Raimondi Gladiator 130 WSGLA130 package includes the following items:

- Raimondi Gladiator 130 Wet Tile Bridge Saw unit
- 10-inch Diamond Blade
- Dressing Stone
- Adjustable Square
- Wrench Kit
- User Manual (this document)

4. Setup

Follow these steps to set up your wet tile saw for operation:

1. **Unpacking and Inspection:** Carefully remove all components from the packaging. Inspect the saw for any signs of shipping damage. Report any damage to your supplier immediately.
2. **Leg Assembly and Stabilization:** Extend the telescopic legs until they lock securely into place. Ensure all four legs are stable and the saw is level on a firm surface. The safety device on the legs prevents accidental collapse.
- 3.



Image: The saw's telescopic legs are designed for easy setup and transport.

4. **Water Basin Installation and Filling:** Insert the polypropylene water basin into its designated slot beneath the cutting table. Fill the basin with clean water, ensuring it reaches the recommended level (approximately 10 gallons) to adequately cool the blade during operation.
- 5.



Image: The easy-to-remove polypropylene basin simplifies cleaning and water management.

6. **Blade Installation:** Ensure the saw is unplugged. Follow the instructions in the wrench kit to securely mount the 10-inch diamond blade onto the motor shaft. Confirm the blade's rotation direction matches the arrow on the saw.
7. **Power Connection:** Connect the saw's power cord to a GFCI-protected 110-volt electrical outlet.

5. Operation

Before operating, ensure all safety precautions are understood and followed.

1. **Adjusting Cutting Depth:** Use the depth adjustment mechanism to set the desired cutting depth. Ensure the blade will cut through the material without contacting the saw table.
2. **Performing Bevel Cuts:** For 45-degree bevel cuts, loosen the tilt motor mount and adjust the motor assembly to the desired angle. Securely tighten the mount before operation.
3. **Material Placement:** Place the tile or material firmly against the adjustable square on the cutting table. Ensure the material is stable and will not shift during the cut.
- 4.

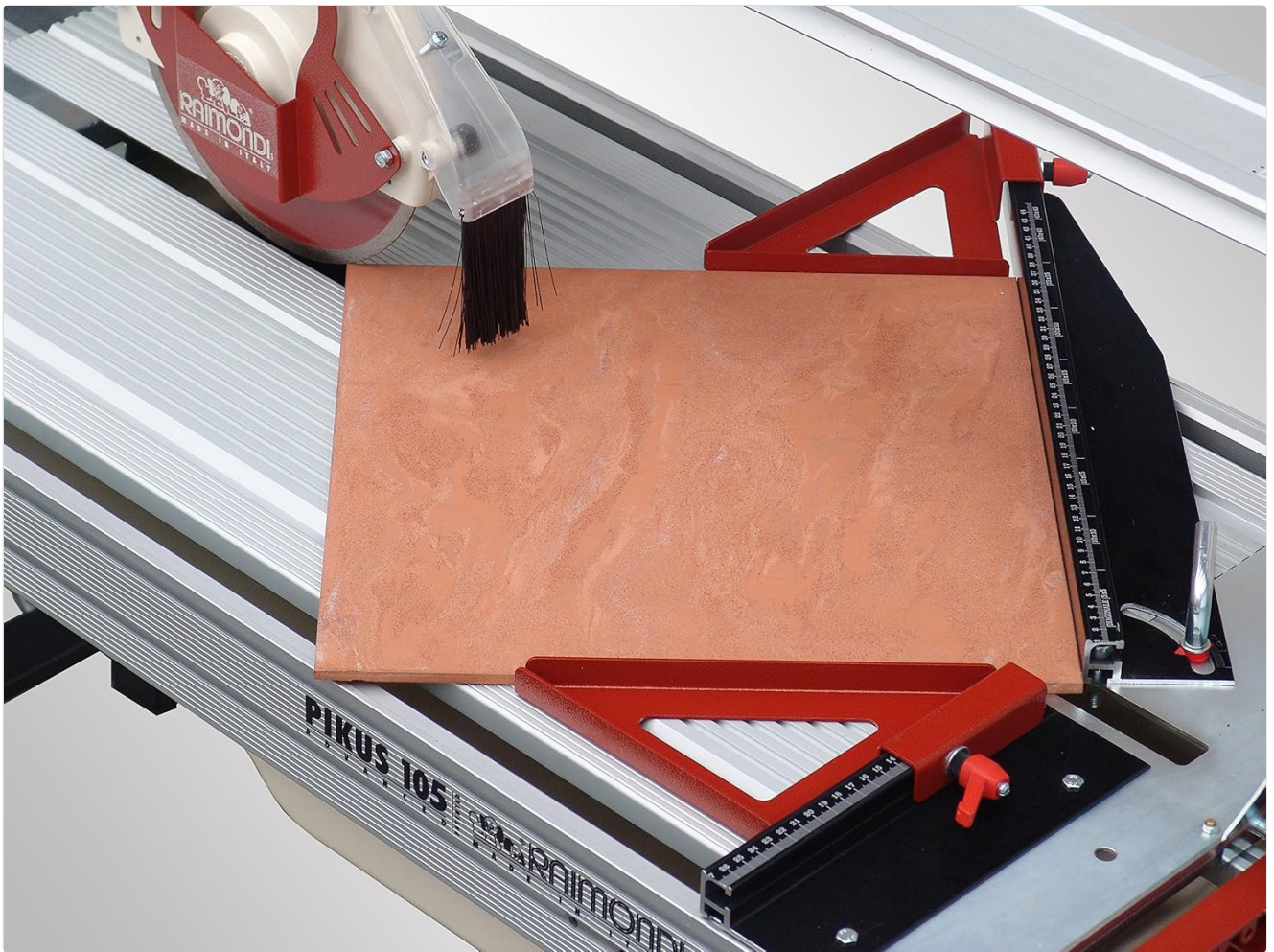


Image: Properly positioning the tile against the adjustable square for accurate cuts.

5. **Initiating the Cut:** Turn on the saw. Allow the blade to reach full speed before slowly engaging it with the material. Use the sliding motor mount to guide the blade smoothly through the material. Do not force the cut.
6. **Water System:** The integrated water system will automatically cool the blade and minimize dust during operation. Ensure the water level in the basin is maintained.
- 7.

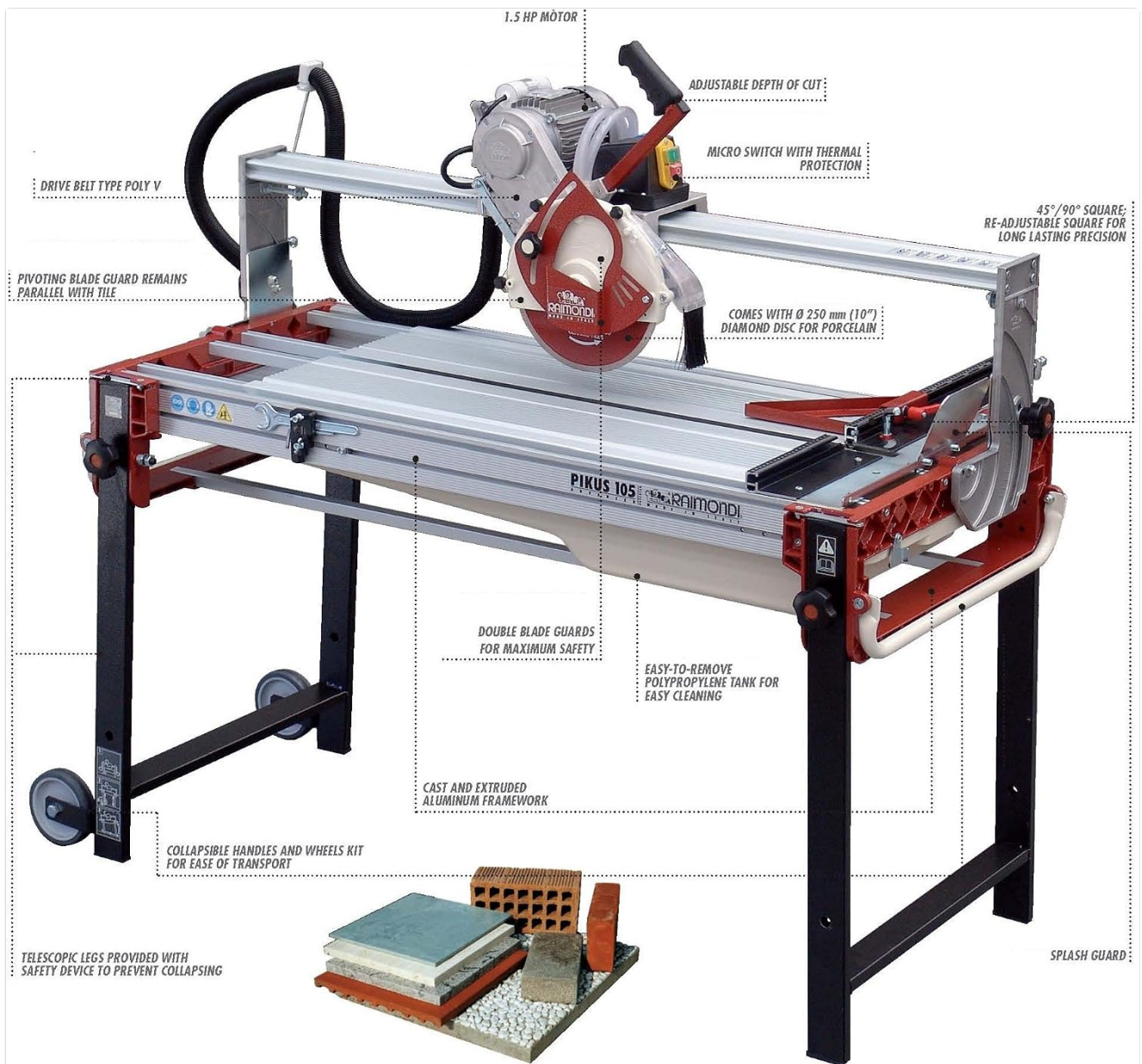


Image: Overview of the Raimondi Gladiator 130, showing key operational components.

8. **Completing the Cut:** Once the cut is complete, retract the blade from the material and turn off the saw. Wait for the blade to stop completely before removing the cut material.

6. Maintenance

Regular maintenance ensures optimal performance and extends the life of your saw. Always disconnect power before performing any maintenance.

- **Water Basin Cleaning:** After each use, remove and empty the polypropylene water basin. Clean it thoroughly to prevent buildup of slurry and debris, which can affect water flow and pump efficiency.
- **Blade Care:** Inspect the diamond blade for wear or damage. Use the included dressing stone periodically to clean and sharpen the blade, maintaining its cutting efficiency. Replace worn or damaged blades promptly.
- **General Cleaning:** Wipe down the saw frame, cutting table, and motor housing after each use to remove dust and slurry. Avoid using harsh chemicals that could damage painted surfaces or electrical components.
- **Pulleys and Moving Parts:** Periodically inspect the four resettable pulleys and other moving parts for smooth operation. Keep them free of debris. Lubricate as recommended in the full service manual (if applicable).
- **Storage:** Store the saw in a clean, dry location when not in use.

7. Troubleshooting

Refer to this section for common issues and their potential solutions.

- **Saw Not Powering On:**
 - Check if the power cord is securely plugged into a functional GFCI outlet.
 - Verify the GFCI outlet has not tripped. Reset if necessary.
 - Ensure the saw's power switch is in the 'ON' position.
 - Check for tripped circuit breakers in your electrical panel.
- **Blade Not Cutting Effectively / Slow Cutting:**
 - The blade may be dull or glazed. Use the dressing stone to clean and sharpen the blade.
 - Ensure the water basin is filled, and the water is properly cooling the blade.
 - You may be forcing the cut too quickly. Allow the blade to cut at its own pace.
 - The blade may be worn out and require replacement.
- **Water Not Flowing / Insufficient Cooling:**
 - Check the water level in the basin. Refill if low.
 - Inspect the water pump and hoses for clogs from slurry or debris. Clean as needed.
 - Ensure the pump is properly submerged and connected.
- **Inaccurate or Uneven Cuts:**
 - Ensure the material is securely placed against the adjustable square and not shifting during the cut.
 - Verify the adjustable square is set correctly and tightened.
 - Check for excessive blade wobble, which may indicate a damaged blade or improper installation.
 - Ensure the saw's frame and legs are stable and level.

8. Specifications

Attribute	Detail
Brand (Manufacturer)	Raimondi
Model Number	WSGLA130
Voltage	110 volts
Wattage	1119 watts
Motor Power	1.5 HP
Blade Material	High Speed Steel
Blade Size	10 inches (250 mm)
Cutting Angle	45 degrees (Bevel Capability)
Water Basin Capacity	10 gallons
Frame Material	Cast and Extruded Aluminum
Surface Recommendation	Tile (Porcelain, Ceramic, Marble, Granite, Glass, Brick)

9. Warranty Information

This Raimondi Gladiator 130 WSGLA130 Wet Tile Bridge Saw is covered by **alimited warranty**. Please refer to the warranty card included with your purchase or contact Raimondi customer support for specific terms, conditions, and duration of the warranty.

The limited warranty typically covers defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, abuse, unauthorized repairs, or normal wear and tear.

10. Customer Support

For technical assistance, parts, or warranty claims, please contact Raimondi customer support. Have your model number (WSGLA130) and purchase date available when contacting support.

Raimondi Customer Service:

- *Website:* Please visit the official Raimondi website for the most current contact information.
- *Phone:* Refer to your product packaging or the official website for regional phone numbers.
- *Email:* Contact information typically available on the official website.

Always refer to the official Raimondi resources for the most accurate and up-to-date support details.

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