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› [Hoteche 4-3/8-Inch Dry/Wet Masonry & Tile Saw P801006A User Manual](#)

Hoteche P801006A

Hoteche 4-3/8-Inch Dry/Wet Masonry & Tile Saw User Manual

Model: P801006A

1. INTRODUCTION

This manual provides essential instructions for the safe operation, maintenance, and setup of your Hoteche 4-3/8-Inch Dry/Wet Masonry & Tile Saw, Model P801006A. Please read this manual thoroughly before using the tool to ensure proper function and to prevent injury. Keep this manual for future reference.

2. SAFETY INSTRUCTIONS

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury.

- **Personal Protective Equipment (PPE):** Always wear safety glasses, hearing protection, a dust mask, and appropriate gloves when operating the saw.
- **Work Area:** Keep the work area clean and well-lit. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Electrical Safety:** Ensure the power cord is undamaged. Do not expose power tools to rain or wet conditions. Avoid body contact with earthed or grounded surfaces.
- **Tool Use and Care:** Do not force the tool. Use the correct tool for your application. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.
- **Blade Safety:** Ensure the blade is correctly installed and secured. Never operate the saw without the blade guard in place. Allow the blade to come to a complete stop before setting the tool down.
- **Wet Cutting:** When using the wet cutting feature, ensure all electrical connections are protected from water and use a Ground Fault Circuit Interrupter (GFCI) for added safety.

3. PRODUCT COMPONENTS

Familiarize yourself with the parts of your Hoteche Masonry & Tile Saw:

PRODUCT DETAILS

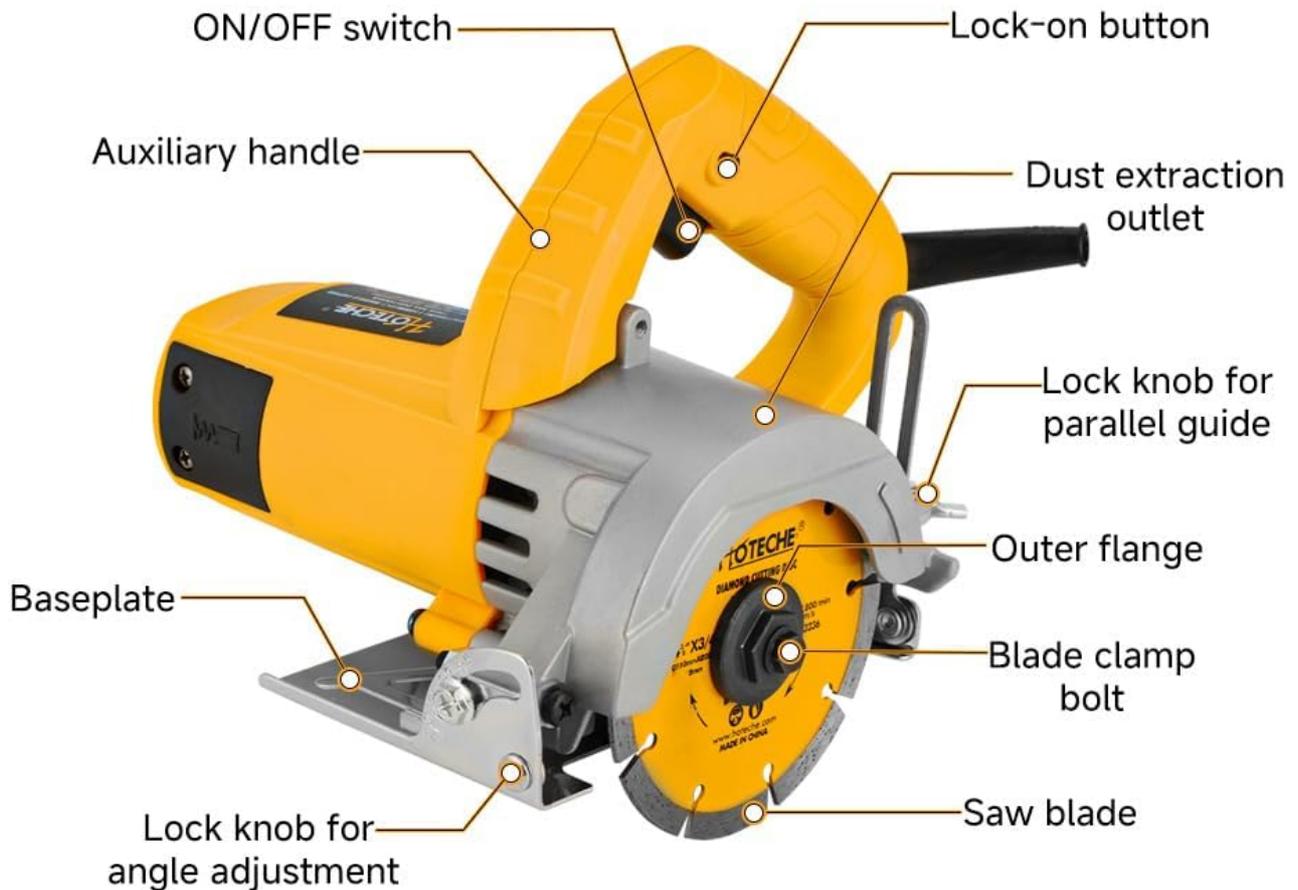


Image 3.1: Overview of the Hoteche Masonry & Tile Saw with labeled components including ON/OFF switch, auxiliary handle, lock-on button, dust extraction outlet, lock knob for parallel guide, outer flange, blade clamp bolt, saw blade, baseplate, and lock knob for angle adjustment.

- **ON/OFF Switch:** Activates and deactivates the saw.
- **Auxiliary Handle:** Provides additional grip and control during operation.
- **Lock-on Button:** For continuous operation, reducing user fatigue.
- **Dust Extraction Outlet:** Connects to a vacuum system for dust collection during dry cutting.
- **Lock Knob for Parallel Guide:** Secures the parallel guide for straight cuts.
- **Outer Flange & Blade Clamp Bolt:** Secure the cutting disc to the spindle.
- **Saw Blade:** The diamond cutting disc for material removal.
- **Baseplate:** Supports the saw on the workpiece and guides cuts.
- **Lock Knob for Angle Adjustment:** Adjusts the cutting angle (bevel).
- **Head Protect:** Shield protecting against accidents.
- **Depth Adjustment:** Mechanism to set the cutting depth.

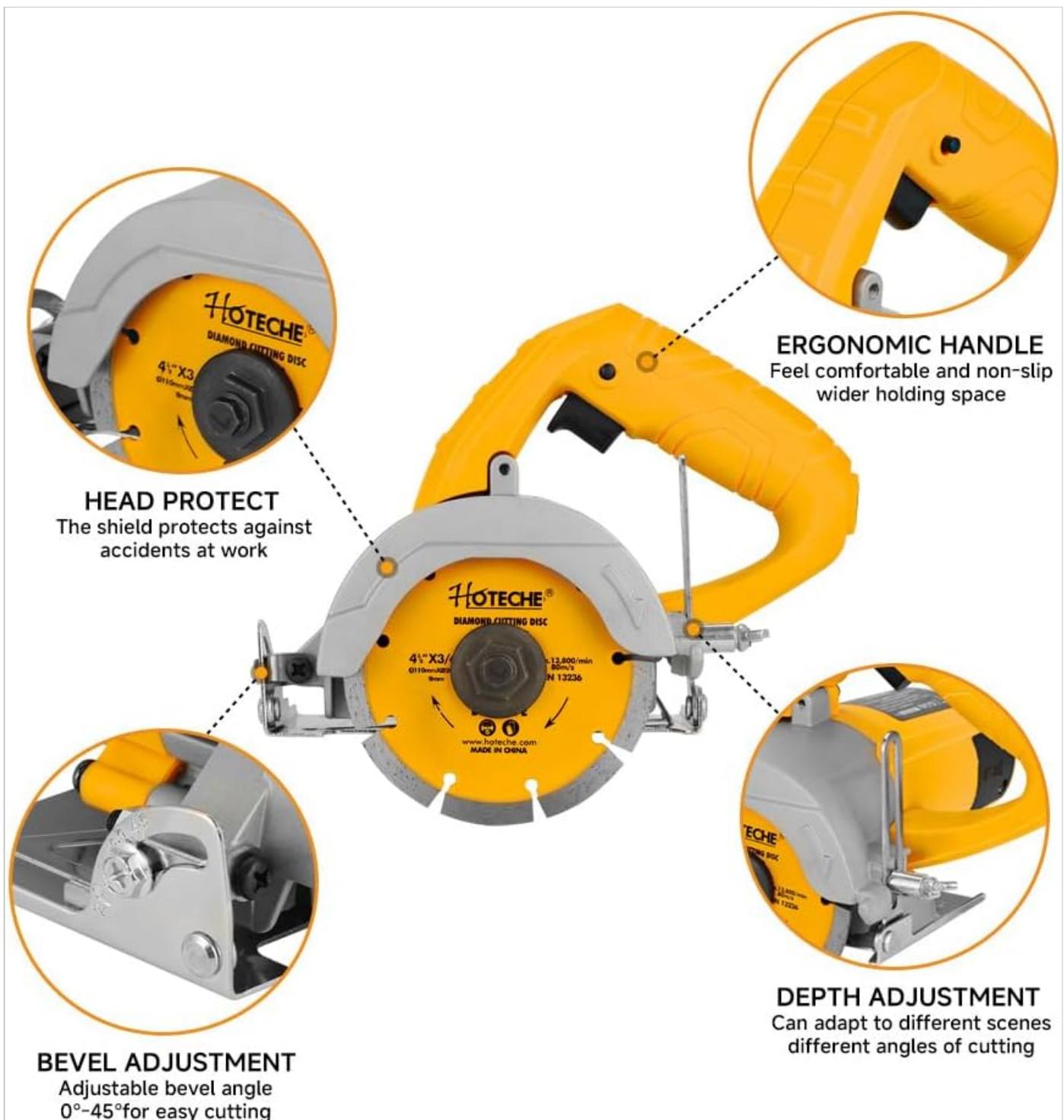


Image 3.2: Close-up views highlighting the ergonomic handle, head protection, bevel adjustment mechanism, and depth adjustment feature of the saw.

4. TECHNICAL SPECIFICATIONS

Feature	Specification
Model Number	P801006A
Power Source	Corded Electric
Voltage	120 Volts (AC)
Wattage	1250 Watts

Feature	Specification
No-Load Speed	13000 RPM
Blade Diameter	4-3/8 inches (110mm)
Max Cutting Depth (90°)	34 mm
Max Cutting Depth (45°)	21 mm
Bevel Capability	0°-45°
Item Weight	3.19 kg
Included Components	Flat wrench, socket wrench, water nozzle, valve, hose, 1 pair of carbon brushes, dry-type diamond cutting disc



Image 4.1: Dimensional overview of the Hoteche Masonry & Tile Saw and its 4-3/8 inch diamond cutting disc, showing measurements in millimeters and inches.

5. SETUP AND BLADE INSTALLATION

5.1 Installing the Cutting Disc

1. **Ensure Power is Disconnected:** Always unplug the saw from the power source before installing or changing the blade.
2. **Place Inner Flange:** Place the inner flange onto the spindle.
3. **Position Cutting Disc:** Carefully place the diamond cutting disc onto the spindle, ensuring the rotation arrow on the blade matches the rotation direction indicated on the saw.
4. **Secure Outer Flange:** Place the outer flange over the cutting disc.

5. **Tighten Blade Clamp Bolt:** Use the provided spanner and hex bolt to securely tighten the blade clamp bolt. Ensure the blade is firmly seated and does not wobble.

INSTALL CUTTING DISC

01

Place the inner flange
in the spindle



02

Place the cutting disc
into the spindle



03

Screw tightly the outer
flange and hex bolt
using spanner and
special wrench



Image 5.1: Step-by-step guide illustrating the installation of the cutting disc, including placing the inner flange, positioning the disc, and securing it with the outer flange and bolt.

5.2 Connecting for Wet Cutting

For wet cutting applications, connect the water nozzle, valve, and hose to the saw and a water source. This helps to cool the blade and reduce dust.

- Attach the water nozzle to the designated port on the saw.
- Connect the hose to the water nozzle and secure it with the valve.
- Connect the other end of the hose to a clean water supply.
- Adjust the valve to control the water flow during operation.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off

- To turn on the saw, press the ON/OFF switch.
- For continuous operation, press the lock-on button while the switch is depressed. Release the switch, then release the lock-on button to stop.
- To turn off the saw, release the ON/OFF switch. If the lock-on button is engaged, press and release the ON/OFF switch again to disengage the lock and stop the saw.

6.2 Adjusting Cutting Depth

The cutting depth can be adjusted to suit the thickness of your material. Loosen the depth adjustment knob, set the baseplate to the desired depth, and then securely tighten the knob.

6.3 Adjusting Cutting Angle (Bevel)

For angled cuts, loosen the lock knob for angle adjustment. Tilt the saw to the desired angle (0° to 45°), and then firmly tighten the knob.

6.4 Cutting Techniques

Always ensure the workpiece is securely clamped before cutting.

- **Straight Cut:** Position the saw with the baseplate flat on the workpiece. Guide the saw along the cutting line with steady, even pressure. Use the parallel guide for long, straight cuts.
- **Angle Cut (Bevel Cut):** After setting the desired angle, proceed with the cut as you would a straight cut, maintaining control and a firm grip.
- **Wet Cutting:** Turn on the water supply before starting the cut. The water will cool the blade and suppress dust. Maintain a consistent water flow throughout the cut.

MULTIPLE CUTTING METHODS



Straight Cut



Making A Bevel Cut



Angle-Cut

Image 6.1: Visual examples demonstrating straight cuts, angle cuts, and making a bevel cut using the Hoteche Masonry & Tile Saw.

LIGHTWEIGHT DESIGN

Please replace the cutting blade with a suitable one for cutting tiles.



Image 6.2: The saw in operation, demonstrating wet cutting with water flowing onto the blade to reduce dust and cool the cutting surface.

7. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your saw.

- **Cleaning:** After each use, disconnect the power and clean the saw. Remove dust and debris from the motor vents and blade guard. For wet cutting, rinse off any slurry.
- **Blade Inspection:** Regularly inspect the diamond cutting disc for wear, cracks, or damage. Replace worn or damaged blades immediately.
- **Carbon Brushes:** The saw is equipped with carbon brushes that wear over time. If the saw experiences reduced power or intermittent operation, the carbon brushes may need replacement. Refer to a qualified service technician for replacement.
- **Storage:** Store the saw in a dry, secure location out of reach of children.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Saw does not start.	No power supply; faulty switch; worn carbon brushes.	Check power connection and circuit breaker. Ensure switch is fully engaged. Inspect and replace carbon brushes if necessary.
Reduced cutting performance.	Dull or incorrect blade; insufficient water for wet cutting; forcing the saw.	Replace with a sharp, appropriate diamond blade. Ensure adequate water flow for wet cutting. Allow the saw to work at its own pace.
Excessive vibration or noise.	Loose blade; damaged blade; worn bearings.	Check and tighten blade clamp bolt. Replace damaged blade. If bearings are suspected, contact service.
Overheating.	Blocked ventilation slots; continuous heavy use; forcing the saw.	Clean ventilation slots. Allow the saw to cool down. Do not force the saw through material.

9. WARRANTY AND SUPPORT

Hoteche products are manufactured to high-quality standards. For information regarding warranty coverage, technical support, or service, please refer to the warranty card included with your purchase or contact Hoteche customer service directly. Keep your purchase receipt as proof of purchase.

