

Reboot RBC6000DL

Reboot RBC6000DL Plasma Cutter User Manual

Model: RBC6000DL

INTRODUCTION

The Reboot RBC6000DL is a 60 Amp Non-Touch Pilot Arc Plasma Cutter designed for efficient and clean cutting of various metals. Featuring IGBT inverter technology and dual voltage capability (110/120V or 220/240V), this machine offers powerful performance for both home and professional workshops. Its non-touch pilot arc technology allows for cutting through rough, painted, or rusty surfaces with minimal slag, improving cut quality and extending consumable life.



Image: The Reboot RBC6000DL Plasma Cutter, showcasing its compact design and included accessories like the ground clamp and plasma torch.

Safety Information

Operating plasma cutting equipment requires strict adherence to safety protocols to prevent injury and damage. Always wear appropriate Personal Protective Equipment (PPE), including a welding helmet with a suitable shade, flame-resistant clothing, welding gloves, and safety footwear. Ensure adequate ventilation in your workspace to disperse fumes. Never operate the plasma cutter in wet conditions or near flammable materials. Always disconnect power before performing any maintenance or changing consumables.



Image: Emphasizing safety during plasma cutting operations, showing a user wearing protective gear.

PRODUCT COMPONENTS AND UNPACKING

Upon receiving your Reboot RBC6000DL Plasma Cutter, carefully unpack all components and verify against the packing list.

The package typically includes:

- Reboot RBC6000DL Plasma Cutter Unit
- AG60 Plasma Cutting Torch (13ft)
- Ground Clamp Cable (9.8ft)
- Air Filter Regulator
- 120V to 240V Conversion Line (20cm)
- 10 pcs Extra Consumables (tips, electrodes, ceramic nozzles, spacer blocks)
- Isolating Ring
- Instruction Manual

PRODUCT HIGHLIGHTS



Esay To Use



120V / 240V



Fast Cutting



Large
Capacitance



Srtong
Heat Dissipation



Image: A visual representation of the various components included with the plasma cutter, such as the torch, ground clamp, and consumables.

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Video: This video demonstrates the unpacking process of the Reboot RBC6000DL Plasma Cutter and displays its various accessories, followed by a demonstration of its cutting capabilities.

SETUP

Power Connection:

The RBC6000DL supports dual voltage operation (110/120V or 220/240V). It comes pre-installed with a 120V US standard plug. A conversion cord is included to easily switch to 240V. For 240V operation, a 30A circuit breaker is recommended. For 120V operation, a 50A circuit breaker is recommended. Ensure the power source matches the machine's requirements and is properly grounded.

Air Compressor Connection:

An external air compressor is required for operation. The recommended air pressure is 90 PSI with a flow rate of 60L/min. The machine features pre-installed air quick couplings for fast setup. Connect the air filter regulator to the machine and then to your air compressor. Ensure all connections are secure to prevent air leaks, which can affect cutting performance.

Torch and Ground Clamp Connection:

Connect the AG60 plasma cutting torch to the designated port on the front panel. Attach the ground clamp cable to the appropriate terminal and secure the clamp to the workpiece or work table, ensuring good electrical contact.



Image: Close-up of the plasma cutter's control panel, showing the current display, power light, OC light, and current adjustment knob.

OPERATING INSTRUCTIONS

Cutting Process:

The RBC6000DL utilizes a non-touch pilot arc, meaning the arc initiates without direct contact between the torch tip and the metal. This feature is particularly beneficial for cutting through painted, rusty, or uneven surfaces. Adjust the current

using the knob on the control panel according to the material thickness and type. For optimal results, hold the torch perpendicular to the workpiece and maintain a consistent travel speed.


Cutting Capabilities:

- **Under 240V:**
 - Ideal Clean Cut: 5/8 inch (16mm)
 - Max Severance Cut: 4/5 inch (20mm)
- **Under 120V:**
 - Ideal Clean Cut: 3/8 inch (9.5mm)
 - Max Cut: 1/2 inch (12.7mm)

This plasma cutter is suitable for cutting a variety of metals, including stainless steel, alloy steel, mild steel, copper, and aluminum.

A VARIETY OF CUTTING TO MEET ALL YOUR NEEDS

1.Metal	5.Stainless
2.Steels	6.Alloy steel
3.Aluminum plate	7.Mild steel
4.Iron	8.Copper






Image: Demonstrates the versatility of the plasma cutter in cutting different types of metals, including stainless steel, aluminum, and copper.



Image: Illustrates the maximum cutting thickness capabilities of the RBC6000DL at 240V, showing clean cuts up to 5/8 inch and severance cuts up to 4/5 inch.



Image: A graphic showing various metal forms (pipes, sheets, bars) and types (stainless steel, mild steel, carbon steel, aluminum alloy, copper metal) that can be cut with the plasma cutter.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your plasma cutter.

Consumables:

The plasma torch consumables (tips, electrodes, ceramic nozzles) are wear items and should be inspected regularly. Replace them when signs of wear, such as reduced cut quality or difficulty in arc starting, become apparent. The non-touch pilot arc feature helps extend the lifespan of these consumables.



Image: Detailed view of the AG60 plasma torch components, including the spacer block, ceramic nozzle, tip, and electrode, which are essential consumables.

Air Filter Regulator:

Periodically check and drain any accumulated moisture from the air filter regulator. Clean or replace the filter element as needed to ensure a clean and dry air supply to the plasma torch, which is critical for arc stability and consumable life.

General Cleaning and Storage:

Keep the plasma cutter unit clean and free from dust and metal particles. Store the machine in a dry, well-ventilated area when not in use. Its lightweight and portable design (8.2 pounds) makes it easy to store and carry.

TROUBLESHOOTING

If you encounter issues with your Reboot RBC6000DL Plasma Cutter, consider the following common troubleshooting steps:

- **No Arc / Weak Arc:**
 - Check power supply and circuit breaker.
 - Verify air pressure and flow rate from the compressor.
 - Inspect torch consumables (tip, electrode, nozzle) for wear and replace if necessary.
 - Ensure the ground clamp has a secure and clean connection to the workpiece.
- **Poor Cut Quality / Excessive Slag:**
 - Adjust cutting current (amperage) for the material thickness.
 - Check and replace worn consumables.
 - Ensure proper torch height and travel speed.
 - Verify air quality and ensure the air filter regulator is functioning correctly.
- **Air Leaks:**
 - Inspect all air connections for tightness. Apply thread sealant (e.g., Teflon tape) if needed.
 - Check the air hose for kinks or damage.
- **Overheat Indication (OC light):**
 - Allow the machine to cool down. The OC light indicates the machine has exceeded its duty cycle.
 - Ensure adequate ventilation around the unit.

For persistent issues, consult the full instruction manual or contact Reboot customer support.

SPECIFICATIONS

Feature	Detail
Brand	Reboot
Model Number	RBC6000DL
Item Weight	15.97 pounds
Product Dimensions	12.28 x 4.37 x 8.42 inches

Feature	Detail
Country of Origin	China
Color	Blue&white
Pattern	Non touch-60A
Power Source	AC
Voltage	120/240 Volts (Dual Voltage)
Current Output	10-60A DC
Max Clean Cut (240V)	5/8 inch
Max Severance Cut (240V)	4/5 inch
Max Clean Cut (120V)	3/8 inch
Max Cut (120V)	1/2 inch
Air Compressor Required	90 PSI, 60L/min

WARRANTY AND SUPPORT

For information regarding the product warranty, please refer to the warranty card included with your purchase or visit the official Reboot website. For technical support, spare parts, or service inquiries, please contact Reboot customer service directly. You can often find contact information on the manufacturer's website or through the retailer where the product was purchased.

Reboot Official Store: [Visit the Reboot Store on Amazon](#)

