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› 220V Miter Saw 7 Inch Miter Saw User Manual

Beacon Pet CNC9745@zqy

220V Miter Saw 7 Inch Miter Saw User Manual

Model: CNC9745@zqy | Brand: Beacon Pet

INTRODUCTION

This manual provides detailed instructions for the safe and effective operation of your 220V 7 Inch Miter Saw. This powerful tool is designed for multiple cutting methods and purposes, including cutting wood, aluminum, and plastic.

Key features of your 220V Miter Saw include:

- Voltage: 220V. Gear driving, 900-Watt high power motor
- Dual linear slide rails for stability and smooth, precise cuts
- Multiple purposes, multiple cutting methods. Can be used to cut wood, aluminum, plastic
- Bevel 45° left or right
- The machine head can be retracted for easy carrying



Front view of the 7-inch miter saw, showcasing its compact design and blade guard.

SAFETY INFORMATION

Always prioritize safety when operating power tools. Read and understand all safety warnings and instructions before use. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, including safety glasses, hearing protection, and a dust mask.
- **Work Area:** Ensure the work area is clean, well-lit, and free of obstructions. Do not operate in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.

- **Bystanders:** Keep children and bystanders away from the operating area. Distractions can cause you to lose control.
- **Electrical Safety:** Do not expose power tools to rain or wet conditions. Do not abuse the cord. Never use the cord for carrying, pulling, or unplugging the power tool.
- **Tool Maintenance:** Always unplug the saw from the power source before making adjustments, changing blades, or performing maintenance.
- **Workpiece Security:** Secure the workpiece firmly to the saw's base using the provided clamp before making any cuts.

PACKAGE CONTENTS

Upon opening the package, verify that all components are present and undamaged:

- 1x Miter Saw Unit
- 1x Clamp
- 2x Carbon Brushes
- 1x Dust Bag
- 1x Wrench
- 1x Mask
- 1x Protective Glasses



Mask



Goggles



Clamp



Carbon brush



Dust bag



Wrench

Image showing the miter saw along with its complete set of included accessories.

SETUP

Follow these steps to properly set up your miter saw before initial use:

1. **Unpacking and Inspection:** Carefully remove all components from the packaging. Inspect the saw and all accessories for any signs of shipping damage.
2. **Assembly:** Attach the dust bag to the dust port. Secure the workpiece clamp to the saw base as shown in the diagrams.
3. **Power Connection:** Ensure the saw is connected to a stable 220V / 50Hz power supply. Verify that the power outlet is properly grounded.
4. **Blade Check:** Confirm the saw blade is securely fastened and free from damage.



Side view of the miter saw, illustrating the motor and blade assembly.

OPERATING INSTRUCTIONS

Basic Operation

1. **Secure Workpiece:** Place the material to be cut on the saw's base and secure it firmly with the clamp. Ensure the material is stable and will not shift during the cut.
2. **Adjust Angle:** For miter cuts, adjust the turntable to the desired angle (up to 45 degrees). For bevel cuts, tilt the saw head up to 45 degrees left or right. The dual linear slide rails ensure smooth and precise adjustments.
3. **Power On:** Depress the trigger to start the motor. Allow the blade to reach full speed (5500 r/min) before beginning the cut.
4. **Cutting:** Slowly lower the saw blade through the material. Maintain a steady, controlled motion. Do not force the saw.
5. **Power Off:** Release the trigger to stop the motor. Wait for the blade to come to a complete stop before raising the saw head and removing the workpiece.

Cutting Methods

This miter saw supports multiple cutting methods for various materials such as wood, aluminum, and plastic, thanks to its versatile design and 900W high-power motor.

- **Cross Cuts:** For cutting across the grain of wood or making straight cuts on other materials.
- **Miter Cuts:** For angled cuts on the horizontal plane, ideal for framing and trim work. The saw can be adjusted for precise miter angles.
- **Bevel Cuts:** For angled cuts on the vertical plane, allowing the saw head to tilt up to 45 degrees left or right.
- **Compound Cuts:** A combination of miter and bevel cuts, enabling complex angles for intricate projects.



The miter saw in operation, showing the laser guide for accurate cutting.

Regular maintenance ensures the longevity and optimal performance of your miter saw. Always unplug the saw before performing any maintenance.

- **Cleaning:** After each use, clean off sawdust and debris from the blade guard, motor housing, and base. Use a brush or compressed air. Ensure the dust bag is emptied regularly.
- **Blade Inspection:** Regularly inspect the saw blade for sharpness, damage, or missing teeth. Replace dull or damaged blades promptly to ensure clean cuts and prevent motor strain.
- **Carbon Brush Replacement:** The carbon brushes (two included) are wear items and will need replacement over time. Consult the saw's internal diagrams for access and replacement instructions when the motor performance degrades.
- **Lubrication:** Apply light machine oil to moving parts and pivot points as recommended to ensure smooth operation of the sliding rails and angle adjustments.
- **Storage:** Store the saw in a dry, secure location, out of reach of children. The machine head can be retracted for easier carrying and compact storage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Saw does not start	No power, faulty switch, worn carbon brushes	Check power connection, inspect switch for damage, replace carbon brushes
Blade not cutting cleanly or burning wood	Dull blade, incorrect blade for material, material not secured, feeding too fast	Replace blade, use appropriate blade for the material, secure workpiece firmly, reduce feeding speed
Excessive vibration or noise during operation	Loose blade, damaged blade, worn bearings, loose fasteners	Tighten blade nut, replace damaged blade, check all fasteners, consult qualified service personnel for bearing issues
Dust collection is ineffective	Dust bag full, dust port clogged, dust bag not properly attached	Empty dust bag, clear dust port, ensure dust bag is securely attached

SPECIFICATIONS

Parameter	Value
Name	7 inch miter saw
Voltage	220V / 50Hz
Speed	5500 r/min
Weight	13 lbs
Packing Size	19 x 12 x 11 inch
Brand	Beacon Pet
Model Number	CNC9745@zqy
Blade Material	High Speed Steel
Surface Recommendation	Wood, Plastic
Power Source	220v

Parameter	Value
Included Components	Bare Tool
Wattage	900 Watts
Blade Length	7 Inches
Cutting Angle	45 Degrees (Bevel)
Handle Material	Metal



Dimensional diagram of the miter saw, indicating its overall size.

This product comes with a **one-year warranty** from the date of purchase, covering manufacturing defects. Please retain your proof of purchase for warranty claims.

For technical support, warranty claims, or inquiries about additional protection plans, please contact the manufacturer, **Beacon Pet**, or visit their official store:

[Beacon Pet Official Store](#)

Additional protection plans are available for purchase to extend coverage beyond the standard warranty:

- **3-Year Protection Plan:** Available for \$36.99 (one-time payment).
- **4-Year Protection Plan:** Available for \$47.99 (one-time payment).
- **Complete Protect:** A monthly plan at \$16.99/month, covering eligible past and future purchases.

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