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Yato YT-82185

Yato YT-82185 Band Saw - 1100W Industrial Power Tool User Manual

Model: YT-82185 | Brand: Yato

1. INTRODUCTION

The Yato YT-82185 Band Saw is a powerful 1100W industrial tool designed for efficient and precise cutting across various materials. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your band saw. Please read this manual thoroughly before initial use and keep it for future reference.



Image 1.1: The Yato YT-82185 Band Saw, highlighting its 1100W power for industrial applications.

2. SAFETY INSTRUCTIONS

Always adhere to fundamental safety precautions when operating power tools to reduce the risk of injury. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

- **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:** Power tool plugs must match the outlet. Never modify the plug in any way. Avoid body contact with earthed or grounded surfaces. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Always wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and a dust mask. Dress properly; avoid loose clothing, jewelry, or long hair that can get caught in 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 before making any adjustments, changing accessories, or storing power tools.
- **Secure Workpiece:** Always secure the workpiece firmly before cutting to prevent movement and ensure precise cuts.
- **Blade Inspection:** Regularly inspect the band saw blade for damage, dullness, or improper tension. Replace damaged blades immediately.

3. PRODUCT OVERVIEW AND COMPONENTS

Familiarize yourself with the various parts of your Yato YT-82185 Band Saw to ensure correct operation and maintenance.

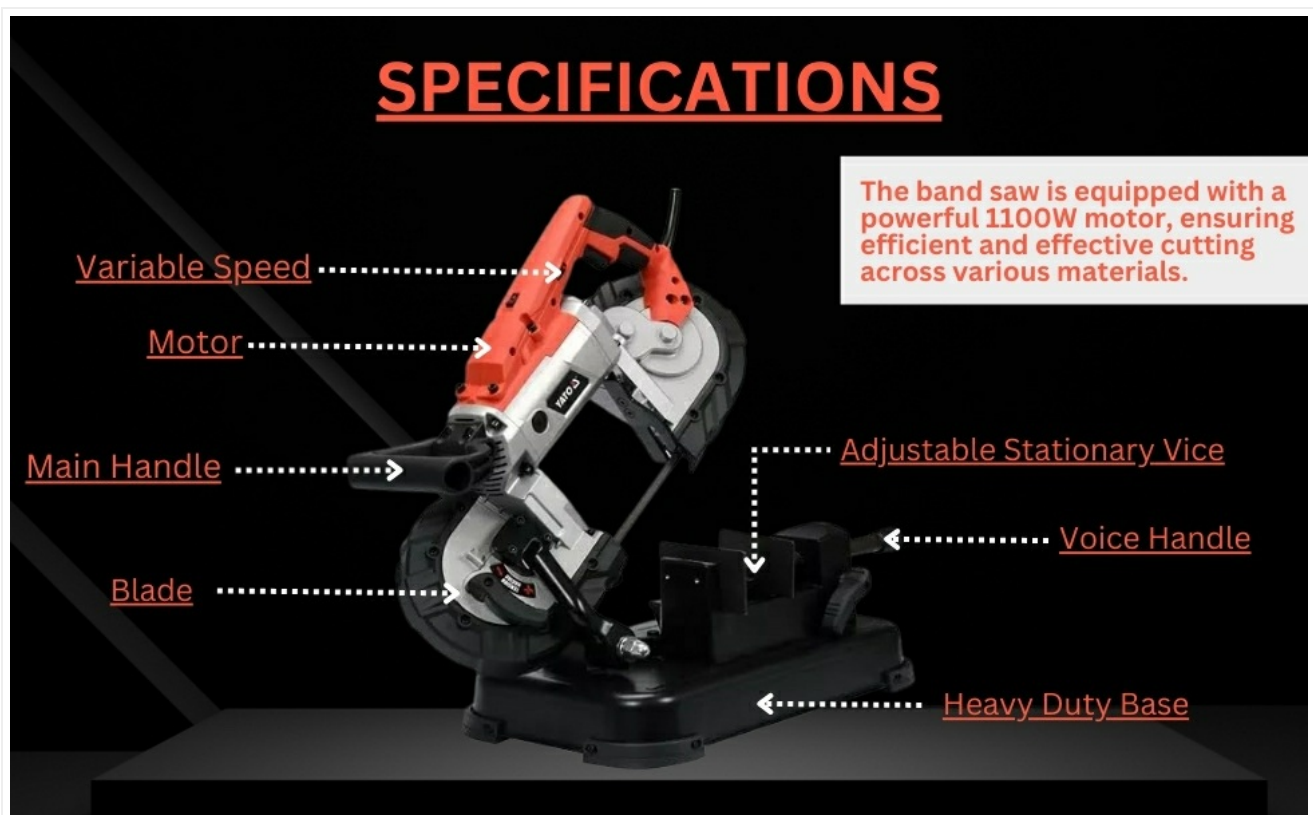


Image 3.1: Key components of the Yato YT-82185 Band Saw, including the motor, blade, and vice.

Key Components:

- **Variable Speed Control:** Adjusts the blade speed for different materials.

- **Motor:** The 1100W power unit driving the blade.
- **Main Handle:** Ergonomic grip for controlling the saw during operation.
- **Blade:** The cutting element, designed for various materials.
- **Adjustable Stationary Vice:** Secures the workpiece for stable cutting.
- **Vice Handle:** Used to tighten and loosen the adjustable vice.
- **Heavy Duty Base:** Provides stability and support for the entire unit.

4. SPECIFICATIONS

The following table details the technical specifications of the Yato YT-82185 Band Saw.



Image 4.1: Visual representation of key performance metrics for the band saw.

Specification	Value
Brand	Yato
Model Number	YT-82185
Wattage	1100 Watts
Voltage	230 Volts (AC)
Speed	5400 RPM
Item Weight	19 Kilograms
Product Dimensions	24L x 69W x 2.5H Centimeters
Blade Material	Aluminium Oxide
Handle Material	Aluminium

Specification	Value
Power Source	Corded Electric
Included Components	Blade

5. SETUP

Proper setup is crucial for safe and effective operation. Follow these steps before using the band saw:


1. **Unpacking:** Carefully remove the band saw and all accessories from the packaging. Inspect for any shipping damage.
2. **Work Surface:** Place the band saw on a stable, level, and secure workbench or stand. Ensure it is firmly anchored to prevent movement during operation.
3. **Blade Installation/Check:** If the blade is not pre-installed, follow the instructions in the separate blade installation guide (if provided). If pre-installed, check that the blade is correctly tensioned and aligned according to the markings on the tool.
4. **Power Connection:** Ensure the power switch is in the 'OFF' position before plugging the tool into a suitable 230V AC power outlet.
5. **Adjustments:** Familiarize yourself with the adjustable stationary vice and vice handle. Practice adjusting them to secure different workpiece sizes.

6. OPERATING INSTRUCTIONS

The Yato YT-82185 Band Saw is versatile for cutting various materials. Always prioritize safety during operation.

LONG - LASTING DURABILITY


Built with a copper armature for extended tool life & consistent performance



WOOD

SAFETY & CONVENIENCE


Ergonomic D-handle ensures excellent control & reduces strain during extended use



METAL

COMFORTABLE GRIP

Equipped with a safety lock to prevent accidental activation & enhance user safety.



PLASTIC

Image 6.1: The band saw's application across different materials like wood, metal, and plastic.

1. **Prepare Workpiece:** Mark your cutting line clearly on the material. Ensure the workpiece is free of nails,

screws, or other foreign objects.

2. **Secure Workpiece:** Place the workpiece in the adjustable stationary vice and tighten the vice handle firmly to prevent any movement during the cut.
3. **Adjust Blade Speed:** Select the appropriate blade speed using the variable speed control for the material you are cutting. Slower speeds are generally for harder materials like metal, while faster speeds are for softer materials like wood or plastic.
4. **Start the Saw:** Turn on the band saw. Allow the blade to reach full operating speed before beginning the cut.
5. **Perform the Cut:** Guide the saw smoothly and steadily through the workpiece along your marked line. Do not force the blade; let the tool do the work. Maintain a firm grip on the main handle.
6. **Complete the Cut:** Once the cut is complete, turn off the band saw and wait for the blade to come to a complete stop before removing the workpiece or making any adjustments.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your band saw. Always disconnect the power supply before performing any maintenance.

- **Cleaning:** After each use, clean the saw thoroughly to remove sawdust, metal shavings, and debris. Use a brush or compressed air. Do not use solvents that could damage plastic parts.
- **Blade Inspection and Replacement:** Regularly check the blade for sharpness, cracks, or missing teeth. A dull or damaged blade can cause inefficient cutting and potential hazards. Replace blades as needed, following the manufacturer's instructions.
- **Lubrication:** Refer to the specific lubrication points in your tool's diagram (if provided) and apply appropriate lubricant as recommended.
- **Cord Inspection:** Periodically inspect the power cord for any damage, cuts, or fraying. Replace damaged cords immediately by a qualified technician.
- **Storage:** Store the band saw in a dry, secure location, out of reach of children and unauthorized users.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your Yato YT-82185 Band Saw.

Problem	Possible Cause	Solution
Saw does not start	No power supply; Faulty switch; Damaged power cord	Check power outlet and connections; Ensure switch is 'ON'; Inspect power cord for damage.
Blade not cutting efficiently	Dull or damaged blade; Incorrect blade tension; Wrong blade speed for material	Replace blade; Adjust blade tension; Select appropriate speed.
Excessive vibration or noise	Loose components; Damaged blade; Unstable work surface	Check and tighten all fasteners; Replace damaged blade; Secure saw to a stable surface.
Blade wanders or cuts inaccurately	Incorrect blade tension; Worn blade guides; Forcing the cut	Adjust blade tension; Inspect and replace blade guides if worn; Apply steady, even pressure.

If you encounter problems not listed here or if solutions do not resolve the issue, contact customer support.

9. WARRANTY AND SUPPORT

Your Yato YT-82185 Band Saw is manufactured by Yato Tools (Shanghai) Co. Ltd. For any warranty claims or technical support, please refer to your purchase documentation for specific warranty terms and conditions.

Contact Information:

- **Manufacturer:** Yato Tools (Shanghai) Co. Ltd
- **Packer/Distributor (India):** Onlinebecho Solutions India Pvt. Ltd.
- **Email:** operations@onlinebecho.com
- **Phone:** 9920358686

Please have your model number (YT-82185) and purchase date available when contacting support.