

YAMATA FY33

YAMATA Industrial Overlock Machine FY33 (110V) User Manual

Model: FY33 | Voltage: 110V

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1. INTRODUCTION

Welcome to the YAMATA Industrial Overlock Machine FY33 (110V) user manual. This document provides essential information for the safe operation, proper setup, effective use, and routine maintenance of your industrial overlock machine. Please read this manual thoroughly before initial use and retain it for future reference. Understanding the contents will ensure optimal performance and longevity of your equipment.



Full view of the YAMATA FY33 industrial overlock machine with its complete table and stand assembly.

2. SAFETY INSTRUCTIONS

Always adhere to the following safety guidelines to prevent injury and damage to the machine:

- **Electrical Safety:** Ensure the machine is connected to a power outlet with the correct voltage (110V for this model). Never operate with damaged cords or plugs.
- **Power Disconnection:** Always turn off the main power switch before performing any maintenance, cleaning, changing needles, or adjusting parts.
- **Moving Parts:** Keep hands, fingers, and loose clothing away from the needle, looper, and other moving parts during operation.
- **Safety Devices:** Do not operate the machine without the finger guard and all other safety devices properly installed.
- **Lubrication:** Use only recommended sewing machine oil. Avoid over-lubrication, which can stain fabrics.
- **Work Area:** Maintain a clean, well-lit, and organized work area.
- **Children and Pets:** Keep children and pets away from the machine during operation and when unattended.



Frontal view of the YAMATA FY33 overlock machine head, highlighting safety warnings and critical areas.

3. SETUP

3.1 Unpacking and Assembly

The YAMATA Industrial Overlock Machine FY33 requires assembly upon delivery. Assembly is the responsibility of the buyer. It is recommended to consult the detailed assembly diagrams provided with your machine or seek assistance from a qualified technician for proper setup. Incorrect assembly can affect machine performance and safety.

The package typically includes the following components:

- Overlock Machine Head
- Industrial Table
- Machine Stand/Legs
- Motor
- Control Box
- Synchronizer
- Belt Protection
- Pedal Actuator
- Tie Rod
- Screws, Nuts, and Washers for assembly

ITÉNS INCLUSOS

- CONTROL BOX
- MOTOR
- SINCRONIZADOR
- PROTEÇÃO DA CORREIA
- ACIONADOR DE PEDAL
- TIRANTE
- PARAFUSO, PORCAS E ARRUELAS DE FIXAÇÃO



Key components included for the assembly of the YAMATA FY33 industrial overlock machine.

3.2 Power Connection

This YAMATA FY33 model operates at 110V. Ensure your power outlet matches this voltage. The machine is designed with a bivolt (110V and 220V) motor, but this specific product variant is configured for 110V. Connect the power cord securely to the machine and a grounded electrical outlet.

3.3 Initial Lubrication

The machine features an automatic lubrication system. Before first use, verify the oil level in the reservoir. The machine typically comes with an initial supply of oil, but it is advisable to have extra oil on hand. Refer to the oil level indicator and fill if necessary, using only high-quality industrial sewing machine oil.



Close-up view of the YAMATA FY33 machine head, illustrating key areas for operation and lubrication.

4. OPERATING INSTRUCTIONS

4.1 Threading the Machine

Proper threading is crucial for correct stitch formation. Refer to the threading diagrams provided with your machine. The YAMATA FY33 is a 3-thread overlock machine. Follow the numbered thread guides carefully for each of the three threads (one needle thread and two looper threads).

4.2 Stitch Adjustment

The machine allows for adjustment of stitch length and overedge width:

- **Stitch Length:** Adjustable from 0.5 mm to 5.3 mm. Use the stitch length dial, typically located on the side of the machine head, to set the desired length.
- **Overedge Width:** The standard overedge width is 4 mm. Adjustments can be made by modifying the knife position or needle plate, as detailed in the machine's specific technical manual.

4.3 Basic Operation

Once threaded and adjusted, turn on the main power switch. Use the foot pedal to control the sewing speed. Guide the fabric evenly under the presser foot. The machine is suitable for a wide range of fabrics, including light, medium, and heavy materials, making it versatile for various garment constructions such as lingerie, swimwear, sweatshirts, shirts, pants, t-shirts, and shorts.



YAMATA FY33 machine head with its control panel, allowing for precise speed and function adjustments.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your YAMATA FY33 overlock machine.

5.1 Cleaning

Periodically clean lint, dust, and fabric debris from the machine, especially around the needle plate, feed dogs, and looper area. Use a soft brush or compressed air. Always disconnect power before cleaning.

5.2 Lubrication

The YAMATA FY33 features an advanced automatic lubrication system designed for precision. This system helps prevent wear and overheating of parts, significantly extending the machine's lifespan. Special seals on the side and front covers ensure a perfect seal, preventing oil leakage and potential fabric stains. The oil pan is also coated with an impermeable material to prevent leaks.

Regularly check the oil level and replenish as needed with appropriate industrial sewing machine oil. Refer to the machine's oil level indicator.

6. TROUBLESHOOTING

If you encounter issues with your machine, consider the following common troubleshooting steps:

- **Machine Not Starting:** Check if the power cord is securely plugged in and the main power switch is on. Verify the voltage supply.
- **Skipped Stitches:** This often indicates an incorrectly inserted or bent needle, improper threading, or incorrect needle type. Ensure the needle is a DCX27 type and inserted correctly.
- **Thread Breakage:** Check for correct threading, proper tension settings, burrs on thread guides, or a damaged needle.
- **Poor Stitch Quality:** Adjust thread tension, check for correct threading, and ensure the needle is sharp and appropriate for the fabric.
- **Excessive Noise/Vibration:** Check for loose parts, ensure proper lubrication, and verify that the machine is correctly assembled on its stand.

For persistent issues, consult a qualified sewing machine technician.

7. SPECIFICATIONS

Feature	Detail
Model	FY33
Brand	YAMATA
Needle Type	DCX27
Number of Needles	1
Number of Threads	3
Maximum Speed	6500 RPM
Overedge Width	4 mm
Stitch Length	0.5 - 5.3 mm
Lubrication Type	Automatic
Motor Type	Conventional or Economic (Bivolt 110V/220V)
Transport Type	Simple (Feed Dog)
Material	Iron
Product Dimensions (D x W x H)	60 cm x 120 cm x 60 cm
Product Weight	145 kg
Power Source	Electric with cord

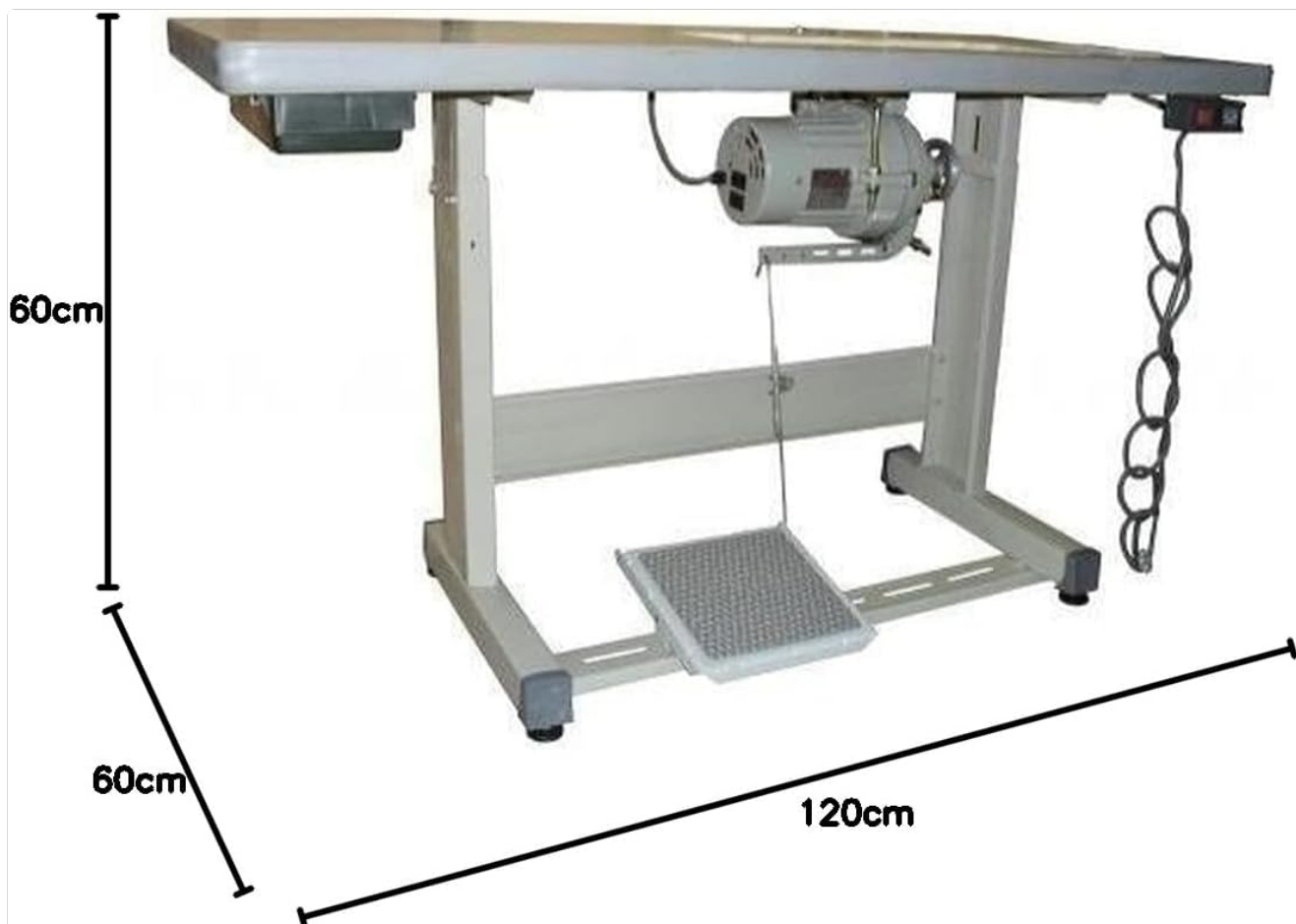


Diagram illustrating the dimensions of the industrial sewing machine table.

8. WARRANTY AND SUPPORT

8.1 Warranty Information

Your YAMATA Industrial Overlock Machine FY33 typically comes with a manufacturer's warranty covering defects in materials and workmanship. Additionally, an extended warranty option against failures and defects for 24 months may be available for purchase. Please refer to your purchase documentation for specific warranty terms and conditions.

8.2 Customer Support

For technical assistance, spare parts, or service inquiries, please contact your authorized YAMATA dealer or the customer support channel provided at the time of purchase. When contacting support, please have your machine model (FY33) and serial number readily available.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question