

## JUKI HZL-F300

# JUKI HZL-F300 Sewing and Quilting Machine User Manual

Model: HZL-F300

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## 1. INTRODUCTION

This manual provides comprehensive instructions for the safe and effective use of your JUKI HZL-F300 Sewing and Quilting Machine. The HZL-F300 is a full-size Exceed series machine designed for both sewing and quilting projects, incorporating industrial sewing machine technology for robust performance. It features a box feed system for consistent stitching across various fabric thicknesses, electronic sensor-controlled buttonholes, and a wide selection of stitch patterns.

## 2. SAFETY INSTRUCTIONS

Always follow basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, or injury to persons.

- Read all instructions before using the machine.
- Keep the machine away from water or damp environments.
- Unplug the machine from the electrical outlet when not in use, when servicing, or when changing accessories.
- Never operate the machine if it has a damaged cord or plug, if it is not working properly, or if it has been dropped or damaged.
- Keep fingers away from all moving parts. Special care is required around the sewing machine needle.
- Use only accessories recommended by the manufacturer.

## 3. PACKAGE CONTENTS

Upon unpacking, ensure all components are present:

- JUKI HZL-F300 Sewing and Quilting Machine
- Foot Pedal
- Standard Presser Foot
- Buttonhole Presser Foot
- Overcasting Presser Foot
- Zipper Foot
- Manual Buttonhole Presser Foot
- Blind Stitch Presser Foot

- Replacement Bobbins
- Seam Ripper
- Power Cord
- Instruction Manual

*Note: A wide extension table is optionally available and may not be included in the standard package.*

## 4. PRODUCT OVERVIEW

The JUKI HZL-F300 is designed for ease of use and versatility. Familiarize yourself with the main components:



**Figure 4.1:** Front view of the JUKI HZL-F300 Sewing and Quilting Machine, showcasing the main body, needle area, and control panel.



Figure 4.2: The JUKI HZL-F300 machine displayed with its foot pedal and other standard accessories, including the removable accessory box.



Figure 4.3: Rear view of the JUKI HZL-F300, showing the power input and ventilation.



Figure 4.4: Detailed view of the control panel with LCD screen, stitch selection buttons, and numerical keypad for pattern input.

#### 4.1. Control Panel

The control panel features an LCD screen for stitch selection and settings adjustment. It includes buttons for stitch length/width, navigation, and direct access to common stitches. A numerical keypad allows for precise pattern input.

#### 4.2. Threading and Bobbin Area

The machine includes an easy-access flip compartment for the thread spool and bobbin winding mechanism. The automatic needle threader simplifies the threading process.

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**Video 4.1:** An overview of the JUKI HZL-F300 Sewing and Quilting Machine, highlighting its dimensions, automatic needle threader, thread cutting, thread spool compartment, stitch patterns, and buttonhole features.

### 5. SETUP

#### 5.1. Power Connection

Connect the power cord to the machine and then to a suitable electrical outlet. Ensure the machine is placed on a stable, flat surface.

## 5.2. Bobbin Winding

Place a spool of thread on the spool pin. Follow the indicated path for bobbin winding, ensuring the thread is securely wrapped around the bobbin. The machine features a self-threading bobbin system for convenience.

## 5.3. Upper Threading

Raise the presser foot and needle. Follow the numbered threading guides on the machine. Utilize the automatic one-touch needle threader to quickly thread the needle.

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**Video 5.1:** A demonstration of the JUKI HZL-F300 Sewing and Quilting Machine, showcasing its features like automatic thread cutting and needle threading, and highlighting its suitability for various sewing projects.

# 6. OPERATING INSTRUCTIONS

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## 6.1. Stitch Selection

The HZL-F300 offers 106 stitch patterns and 3 fonts. Use the control panel's numerical keypad or navigation buttons to select your desired stitch. The LCD screen will display the selected stitch and recommended presser foot.

## 6.2. Basic Sewing

Place your fabric under the presser foot. Lower the presser foot. Use the foot pedal or the start/stop button to begin sewing. Adjust the sewing speed using the speed control slider.

## 6.3. Automatic Buttonholes

The machine includes 16 automatic electronic sensor-controlled buttonholes. Attach the buttonhole presser foot and follow the on-screen instructions for precise buttonhole creation.

## 6.4. Automatic Thread Cutter

After completing a seam, press the automatic thread cutting button to trim both the upper and bobbin threads simultaneously.

## 6.5. Quilting Features

The large working space of the HZL-F300 is ideal for quilting projects. The box feed system ensures smooth and even feeding of multiple fabric layers. Consider using an optional wide extension table for even greater workspace.

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**Video 6.1:** A user demonstrating the JUKI HZL-F300 Sewing and Quilting Machine in action, highlighting its smooth operation and suitability for quilting tasks.

# 7. MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your sewing machine.

- **Cleaning:** Regularly clean the bobbin area, feed dogs, and needle plate to remove lint and dust. Use a soft brush or vacuum cleaner attachment.
- **Lubrication:** Refer to the detailed lubrication instructions in the full product manual. Use only recommended sewing machine oil.
- **Needle Replacement:** Replace the needle frequently, especially when sewing different fabric types or if it becomes dull or bent.
- **Annual Maintenance:** It is recommended to have your machine serviced by a qualified technician annually to ensure all components are functioning correctly and to perform deeper cleaning and lubrication.

## 8. TROUBLESHOOTING

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This section addresses common issues you might encounter. For more complex problems, consult a qualified technician.

Problem	Possible Cause	Solution
Skipped Stitches	Incorrect needle, bent needle, improper threading	Replace needle, re-thread machine, ensure correct needle type for fabric
Thread Breakage	Incorrect tension, poor quality thread, burr on needle plate	Adjust tension, use quality thread, check for burrs
Fabric Puckering	Incorrect tension, wrong stitch length, dull needle	Adjust tension, select appropriate stitch length, replace needle
Machine Not Starting	Power cord not connected, foot pedal not connected, safety switch engaged	Check power and foot pedal connections, disengage safety features

## 9. SPECIFICATIONS

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- **Model:** HZL-F300
- **Product Dimensions:** 17.5 x 8.3 x 11.4 inches (44.45 x 21.08 x 28.96 cm)
- **Item Weight:** 25 pounds (11.34 kg)
- **Stitch Patterns:** 106
- **Fonts:** 3
- **Buttonholes:** 16 automatic electronic sensor-controlled
- **Needle Threader:** Automatic one-touch
- **Thread Cutter:** Automatic
- **Brand:** JUKI
- **Manufacturer:** Juki America, Inc.
- **UPC:** 785934161958, 787683526644, 189684000176

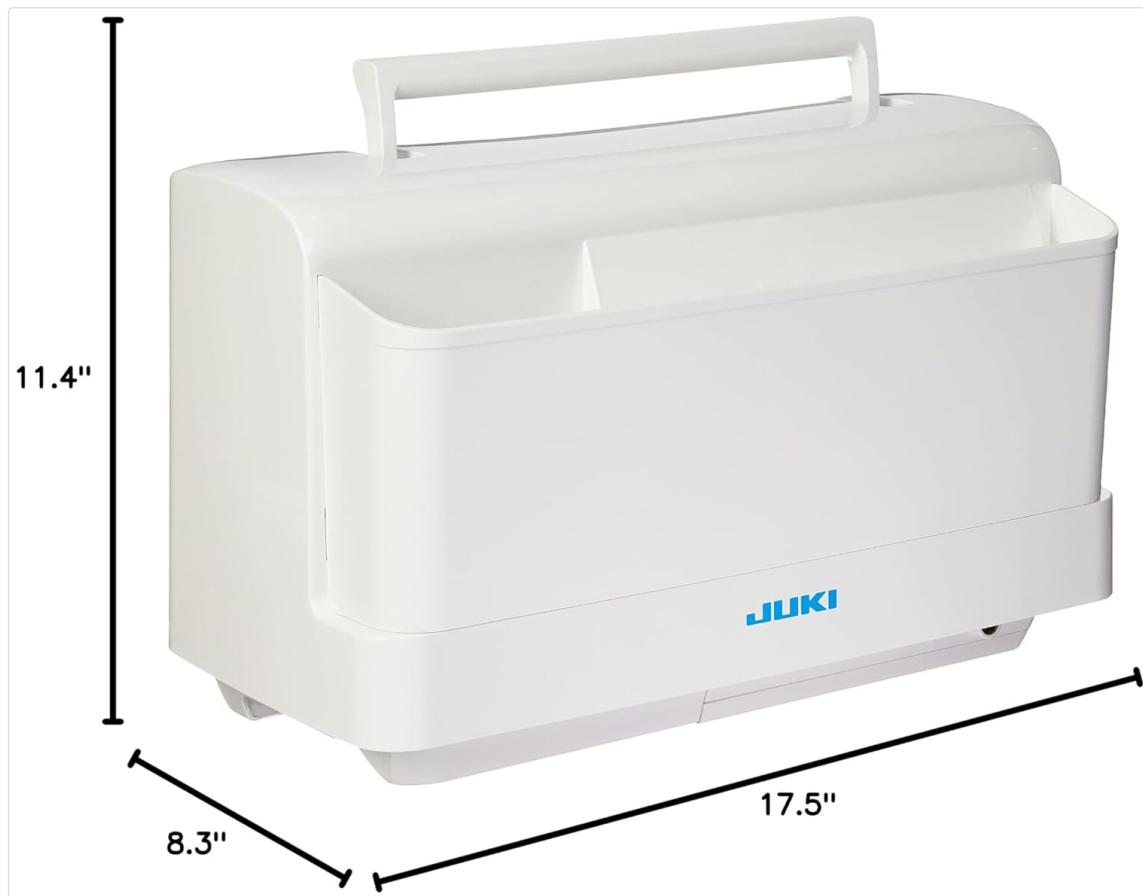


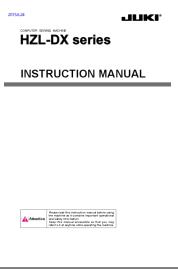
Figure 9.1: Visual representation of the JUKI HZL-F300's dimensions: 11.4 inches high, 8.3 inches deep, and 17.5 inches wide.

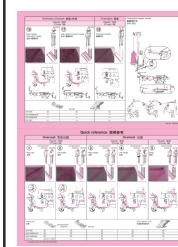
## 10. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your product or visit the official JUKI website. Keep your proof of purchase for warranty claims.

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### Related Documents - HZL-F300

	<p><a href="#">JUKI HZL-DX Series Sewing Machine Instruction Manual</a>  Comprehensive instruction manual for the JUKI HZL-DX series sewing machines, covering safety precautions, basic operations, stitch selection, maintenance, and accessories.</p>
	<p><a href="#">JUKI TL-2010Q Sewing Machine Instruction Manual and Operation Guide</a>  Detailed instruction manual for the JUKI TL-2010Q sewing machine, covering safety precautions, specifications, parts identification, operation procedures (threading, bobbin winding, test sewing), maintenance, troubleshooting, and optional accessories. Learn to use your JUKI sewing machine effectively and safely.</p>



#### [Juki Serger Sewing Machine Threading Guide: Stitch Configurations and Quick Reference](#)

Comprehensive guide to threading Juki MO-655, MO-654DE, MO-654, MO-644D, and MO-623 serger sewing machines for various stitches including Overcast, Overlock, Flatlock, Roll Hem, and Chainstitch+Overcast.

ENGLISH

L-1C  
INSTRUCTION MANUAL  
(Mechanical)

#### [JUKI L-1C Mechanical Sewing Machine Instruction Manual](#)

This manual provides detailed instructions for the JUKI L-1C mechanical sewing machine, covering specifications, installation, lubrication, adjustments, operation, safety precautions, and company contact information.



#### [JUKI TL-2000Qi Instruction Manual](#)

Comprehensive instruction manual for the JUKI TL-2000Qi sewing machine, covering safety guidelines, specifications, parts identification, setup, operation, maintenance, troubleshooting, and optional accessories. This guide provides detailed steps for using and maintaining the professional sewing machine.



#### [JUKI TL-2010Q Instruction Manual - Professional Sewing Machine](#)

Comprehensive instruction manual for the JUKI TL-2010Q professional sewing machine. Covers safety precautions, specifications, parts identification, operation guides, maintenance, troubleshooting, and optional accessories.