

# LZ-2280N Series LZ-2284C-7

High-speed, 1-needle, Lockstitch, Zigzag Stitching Machine

**JUKI**



**The sewing machine produces soft seams with consistency with a low tension applied to the thread even when it runs at a high speed.**



LZ-2282N-7/CP-180A

High-speed, 1-needle, Lockstitch, Zigzag Stitching Machine

# LZ-2280N Series

Highly reliable models in the LZ-2280N series that respond to many different kinds of sewing specifications.

## LZ-2282N

High-speed, 1-needle, Lockstitch, Standard Zigzag Stitching Machine with Lower Knife

## LZ-2282N-7

High-speed, 1-needle, Lockstitch, Standard Zigzag Stitching Machine with Lower Knife (with automatic thread trimmer)

## LZ-2284C-7

High-speed, Cylinder-bed, 1-needle, Lockstitch, Zigzag Stitching Machine with Automatic Thread Trimmer (with standard/3-step zigzag stitching pattern changeover function)

## LZ-2285N

High-speed, 1-needle, Lockstitch, Fagoting Machine

### ● LZ-2282N / LZ-2282N-7

#### Productivity is dramatically increased

The machine incorporates a built-in lower knife that trims only the lower material. This allows the machine to simultaneously attach lace to the body of the foundation and trim only the body during processes to attach lace to the bottoms or tops of slips or to the joint seam lines of shorts.

#### The machine demonstrates consistent trimming performance

The knife is driven by a motor that runs independently from the sewing machine motor. With this feature, the knife can continue to run at a high speeds during trimming even when the speed of the machine is reduced during startup or when sewing curved sections. Furthermore, the knife is placed just beside the needle to provide a constant trimming width even on the curved sections.



### ● LZ-2284C-7

This is a cylinder-bed, lockstitch zigzag stitching machine based on the LZ-2284N-7 model. The cylinder-bed more than adequately facilitates the handling of tubular sewing products in circular sewing processes, thereby contributing to increased productivity and upgraded seam quality. This zigzag stitching machine is best suited to the attaching or counter stitching of elastic tape.



### ● LZ-2285N

The pressure provided by the left- and right-hand sections of the fagoting holder can be separately adjusted in order to prevent an uneven material feed.



The sewing machine provided with an anti-material-slip function, which promises more beautifully finished seams, is included in three different model lineups.

## LZ-2280NU

High-speed, 1-needle, Lockstitch, Zigzag Stitching Machine with Anti-material-slip type

## LZ-2284NU

High-speed, 1-needle, Lockstitch, Zigzag Stitching Machine with Anti-material-slip type (with standard/3-step zigzag stitching pattern changeover function)

## LZ-2284NU-7

High-speed, 1-needle, Lockstitch, Zigzag Stitching Machine with Anti-material-slip type (with standard/3-step zigzag stitching pattern changeover function and automatic thread trimmer)

#### Uneven feed of the upper and lower cloths is totally eliminated

With its newly developed feed mechanism, the machine prevents "uneven feed of the upper and lower cloths" when sewing girdles and body suits made of slippery, elastic materials.

#### Simplified mechanism for easy operation

Drop-feed sewing machines are widely said to feed in the lower cloth more quickly than the upper cloth. However, this machine prevents uneven feed of the upper and lower cloths in spite of its a drop-feed mechanism. In appearance, the gauge parts are identical to those of a conventional zigzag stitching machine, and operability is in no way affected by the newly developed feed mechanism.



LZ-2280NU series

Conventional machine

# ■ OPTIONS

| Model | Part No.     | Description                                  | Feature  |
|-------|--------------|--|--|
| —     | 225-61559    | Automatic reverse feed Kit                   | This device allows a machine without thread trimmer to perform automatic reverse feed function.  |
| RF-1  | GRF-010000B0 | Pedal-operated reverse feed stitching device | The device enables the operator to perform reverse feed stitching using the pedal without using the right hand. (excluding the LZ-2285N)   |
| M097  | MAM-097000A0 | Fagotting feller asm. (down-rolled type)     | This is the exclusive fagot stitch folder for the LZ-2285N, which is applicable to the sewing of lingerie, foundation garments and baby wear. (The fagot stitch folder asm. (up-rolled type): The MAM-09700BA0 has been factory-installed on the machine prior to delivery.) |

## Hook gib

Soft seams can be produced by lowering the bobbin thread tension.



400-16408 Hook gib VS

## Parts for sewing with thick thread

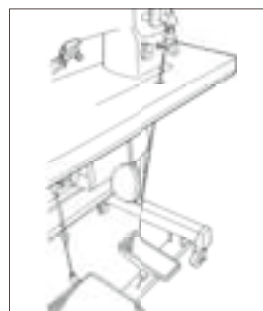
(recommended needle: DP×5 #21, 134SUK Nm130)



225-56054 Knife unit  
 D1440-583-H00 Needle thread guide  
 400-17095 Thread tension disk (asm.)  
 225-80369 Presser foot (asm.)

## Pedal-operated reverse feed stitching device (RF-1)

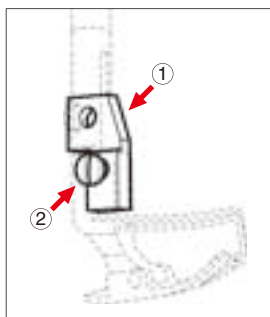
The device enables the operator to perform reverse feed stitching using the pedal without using the right hand.



GRF010000B0 (asm.)

## Presser foot connecting components

The aforementioned parts are used when a lockstitching type presser foot is installed on the machine. Select a parts set of either the presser-bar changing type or the presser bar joining type, according to the type of presser foot of your machine.



Presser foot connecting components  
 ① B1551-586-000 Presser foot connecting foot  
 ② SS-7090910-TP Screw

# ■ SPECIFICATIONS

| Model name                               | Without automatic thread trimmer                 | LZ-2282N                           | LZ-2285N                         | LZ-2280NU                          | LZ-2284NU                            | —             |
|--|--|------------------------------------|----------------------------------|------------------------------------|--------------------------------------|---------------|
|  | With automatic thread trimmer                    | LZ-2282N-7                         | —                                | —                                  | LZ-2284NU-7                          | LZ-2284C-7    |
| Stitch system                            |  | Standard zigzag (with lower knife) | Fagotting                        | Standard zigzag                    | Standard/ 3-step zigzag              |               |
| Stitch pattern                           |  |                                    |                                  |                                    |                                      |               |
| Max. sewing speed                        |  | 5,000sti/min*                      | 4,000sti/min*                    | 4,500sti/min*                      |                                      | 5,000sti/min* |
| Max. zigzag width                        |  | 4.5mm                              | 8.0mm                            | 10.0mm                             | 10.0mm (standard)<br>10.0mm (3-step) |               |
| Max. feeding amount                      |  | 2.5mm                              | 2.2mm                            | 2.5mm (standard)<br>2.0mm (3-step) |                                      |               |
| Min. cutting allowance of lower knife    |  | 3.0mm                              | —                                |                                    |                                      |               |
| Lower knife driving method               |  | AC motor                           | —                                |                                    |                                      |               |
| Lift of the presser foot                 |  | By hand: 4.0mm<br>By knee: 8.5mm   | By hand: 5.5mm<br>By knee: 8.0mm | By hand: 5.5mm<br>By knee: 10.0mm  |                                      |               |
| Hook                                     | DP hook (with titanium-treated inner hook)       |                                    |                                  |                                    |                                      |               |
| Thread take-up                           | Rotary type                                      |                                    |                                  |                                    |                                      |               |
| Lubrication                              | Fully automatic                                  |                                    |                                  |                                    |                                      |               |
| Lubricating oil                          | JUKI New Defrix Oil No.1 (equivalent to ISO VG7) |                                    |                                  |                                    |                                      |               |
| Needle (at the time of delivery)         |  | 438 (Nm70), DP×5 (#10)             | 438 (Nm80)                       | 438 (Nm70), DP×5 (#10)             |                                      | 438 (Nm80)    |
| Needle position changing mechanism       |  | Provided as standard               | —                                | Provided as standard               |                                      |               |
| Reverse feed stitching mechanism         |  | Provided as standard               | —                                | Provided as standard               |                                      |               |
| Needle throw pattern cam                 |  | Triangular cam                     | Grooved cam                      | Triangular cam                     | Grooved cam                          |               |
| Standard Gauge (at the time of delivery) | Needle plate                                     | 235-12817                          | 100-61554                        | 225-48010                          | 225-82407                            |               |
|  | Feed dog   | 235-12908                          | 100-64004                        | 225-48119                          | 225-81508                            |               |
|  | Presser foot (asm.)                              | 235-13062                          | 225-91564                        | 225-48671                          | 235-03162                            |               |

\* sti/min stands for Stitches per Minute.

# ■ WHEN YOU PLACE ORDERS

Please note when placing orders, that the model name should be written as follows:

## ● LZ-2280N series (without automatic thread trimmer)

Machine head **LZ228** □ □ □ □ □

| Type  | Code | Automatic reverse feed function | Code |
|---|------|---------------------------------|------|
| Standard zigzag (with anti-material-slip type)        | 0NU  | Not provided                    | /    |
| Standard zigzag (with lower knife)                    | 2N   | Provided                        | 0B   |
| Standard/3-step zigzag (with anti-material-slip type) | 4NU  |                                 |      |
| Fagoting  | 5N   |                                 |      |

## ● LZ-2280N-7 series (with automatic thread trimmer)

Machine head **LZ228** □ □ □ 7 □ □ □ □ □

| Type   | Code | Wiper and automatic reverse feed function |                                 |      | Auto-lifter     | Code |
|--|------|---|---------------------------------|------|-----------------|------|
| Standard zigzag (with lower knife)               | 2N   | Wiper                                     | Automatic reverse feed function | Code | Not provided    | /    |
| Standard/3-step zigzag (anti-material-slip type) | 4NU  | Not provided                              | Provided                        | WB   | Provided (AK83) | AK   |
|  |      | Provided                                  | Provided                        | 0B   |                 |      |

Control box **SC920C** □

| Power supply                              | Code |
|---|------|
| single-phase 100~120V                     | S    |
| 3-phase 200~240V                          | D    |
| single-phase 200~240V(for General Export) | K    |
| single-phase 200~240V(for CE)             | N    |
| single-phase 200~240V(for China)          | U    |

Motor

**M92**

Operation panel

**CP18A**  
**CP180A**

## ● LZ-2284C-7 (Cylinder-bed type)

Machine head **LZ2284C7** □ □ □ □ □

| Wiper and automatic reverse feed function |                                 |      | Auto-lifter     | Code |
|---|---------------------------------|------|-----------------|------|
| Wiper                                     | Automatic reverse feed function | Code | Not provided    | /    |
| Not provided                              | Provided                        | WB   | Provided (AK83) | AK   |
| Provided                                  | Provided                        | 0B   |                 |      |

Control box **SC921C** □

| Power supply                              | Code |
|---|------|
| single-phase 100~120V                     | S    |
| 3-phase 200~240V                          | D    |
| single-phase 200~240V(for General Export) | K    |
| single-phase 200~240V(for CE)             | N    |
| single-phase 200~240V(for China)          | U    |

Motor

**M92**

Operation panel

**CP18A**  
**CP180A**



### JUKI CORPORATION HEAD OFFICE

Juki Corporation operates an environmental management system to promote and conduct the following as the company engages in the research, development, design, sales, distribution, and maintenance of industrial sewing machines, household sewing machines, industrial robots, etc., and in the provision of sales and maintenance services for data entry systems:

- (1) The development of products and engineering processes that are safe to the environment
- (2) Green procurement and green purchasing
- (3) Energy conservation (reduction in carbon-dioxide emissions)
- (4) Resource saving (reduction of papers purchased, etc.)
- (5) Reduction and recycling of waste
- (6) Improvement of logistics efficiency (modal shift and improvement of packaging, packing, etc.)

**JUKI**

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- \* Specifications and appearance are subject to change without prior notice for improvement.
- \* Read the instruction manual before putting the machine into service to ensure safety.
- \* This catalogue prints with environment-friendly soyink on recycle paper.