

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

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



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

## ■ 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	Not provided	/
Standard/3-step zigzag (anti-material-slip type)	4NU	Not provided	Provided	Provided (AK83)	AK
		Provided	Provided		WB

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	0B	Provided (AK83)	AK
Provided	Provided	WB		

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

**M51N**

Operation panel

**CP18A  
CP180A**



Registered Organization: JUKI CORPORATION Head Office  
The Scope of the Registration: The activities of research, development, design, sales, distribution, and maintenance services of industrial sewing machines, household sewing machines and industrial robots, etc., including sales and maintenance services of data entry systems.

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

<b>LZ-2282N</b>	High-speed, 1-needle, Lockstitch, Standard Zigzag Stitching Machine with Lower Knife
<b>LZ-2282N-7</b>	High-speed, 1-needle, Lockstitch, Standard Zigzag Stitching Machine with Lower Knife (with automatic thread trimmer)
<b>LZ-2284C-7</b>	High-speed, Cylinder-bed, 1-needle, Lockstitch, Zigzag Stitching Machine with Automatic Thread Trimmer (with standard/3-step zigzag stitching pattern changeover function)
<b>LZ-2285N</b>	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.

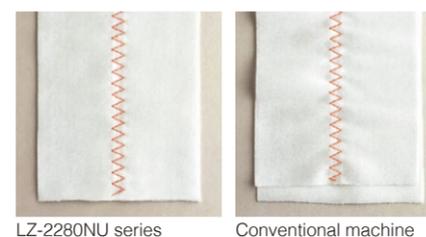
<b>LZ-2280NU</b>	High-speed, 1-needle, Lockstitch, Zigzag Stitching Machine with Anti-material-slip type
<b>LZ-2284NU</b>	High-speed, 1-needle, Lockstitch, Zigzag Stitching Machine with Anti-material-slip type (with standard/3-step zigzag stitching pattern changeover function)
<b>LZ-2284NU-7</b>	High-speed, 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.



■ 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-097000A0 has been factory-installed on the machine prior to delivery.)

**Hook gib**

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



**Parts for sewing with thick thread**

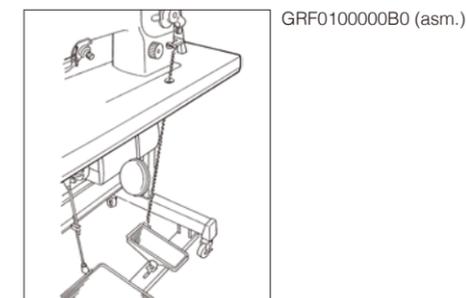
(recommended needle: DP×5 #21, 134SUK Nm130)



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

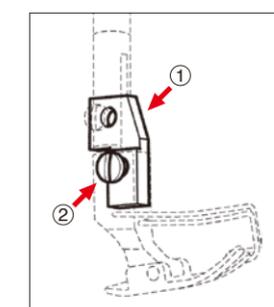
**Pedal-operated reverse feed stitching device (RF-1)**

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



**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)	Standard zigzag (with lower knife)	Fagoting	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) 10.0mm (3-step)	
Max. feeding amount		2.5mm	2.2mm	2.5mm (standard) 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 By knee: 8.5mm	By hand: 5.5mm By knee: 8.0mm	By hand: 5.5mm 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 is the abbreviation for "stitches per minute"