

LH-4500C Series

Semi-dry head, 2-needle Lockstitch Sewing System

Inspire the Knowledge in Sewing Adjustment
Epoch-making Sewing Systems in history



LH-4500C

Active tension mechanism is adopted

Seam quality is improved by introducing the separately-driven right and left active tension mechanisms.

- The needle thread tension is automatically corrected according to the sewing speed. Consistently seam quality is, therefore, achieved regardless of changes in sewing speed.
- The needle thread tension is automatically corrected according to the remaining amount of bobbin thread. Seam quality is, therefore, stabilized even when the remaining amount of bobbin thread has reduced.
- In the case of using the automatic needle thread tension correction feature according to the remaining amount of bobbin thread, the bobbin-thread change notification signal is provided to warn the operator when the remaining amount of bobbin thread has reduced to the predetermined level.



Digital presser foot is adopted

Thanks to the adoption of the digital presser foot, the presser foot pressure can now be corrected according to the sewing speed.

Multi-layered portion detection device

The multi-layered portion detection device is provided as standard. Consistent stitch pitch is promised and well-tensed seams are produced even when sewing multi-layered portions of material.

Corner stitching capability has been improved (only for the LH-4588C)

Changeover from the normal stitching to the corner stitching is carried out semi-automatically using the lever while ensuring ease of operation. The operator only needs to input data on the needle gauge/stitching angle through the operation panel. Then, the operator can start the corner stitching only by operating the lever during sewing. Thereafter, the sewing machine automatically changes the sewing mode between the normal stitching and the corner stitching. This means that even the inexperienced operator can produce consistent seam quality while improving productivity.



Reduction in setup change time

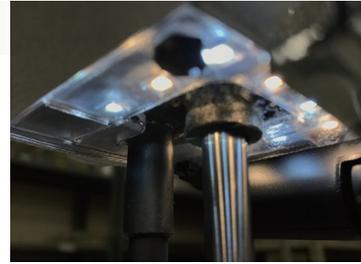
- The large hook that has a 1.8-fold capacity, in comparison with the standard hook, is adopted. Frequency of bobbin thread changing decreases by half. *The world's first sewing machine, for sewing foundation, provided with this hook.
- The horizontal-feed is controlled by motor. The stitch pitch can be set on the operation panel.

Operator fatigue reduction

The LED light is provided as standard on the undersurface of arm jaw.

In addition to the conventional function of the LED light, the color shade can be changed over as "white ⇔ neutral color (initial value) ⇔ incandescent" so as to help reduce the operator's eye fatigue.

The use of a 1/2 opener system reduces noise and vibration, reducing stress and fatigue to the operator.



SPECIFICATIONS

Model name	LH-4578CFF	LH-4578CFG-7	LH-4588CFG-7
Specification	Digital type		
Application	Foundation	Jeans and heavy-weight materials	
Corner stitching (Organized split needle bar mechanism)	Not provided		Provided
Lubricating system	Semi-dry / Hook section: Minute-quantity lubrication (tank system)		
Feed system	Needle feed		
Max. sewing speed	3,000 sti/min*		
Max. stitch length	4 mm	7 mm	
Thread take-up lever	Slide type		
Needle bar stroke	33.4 mm		
Needle thread tension	Independent right and left active tension mechanism		
Lift of the presser foot (max.)	13 mm		
Needle	DP x 5 #10 (#9 - #16)	DP x 5 #21 (#16 - #23)	
Hook	Vertical-axis large hook (1.8-fold)		
Free space under the arm	120 mm (height) x 266 mm (distance from machine arm to needle) x 87 mm (height of the jaw section)		
Lubricating oil	JUKI New Defrix Oil No.1 (Equivalent to ISO VG7)		

*sti/min is the abbreviation for "stitches per minute"

WHEN YOU PLACE ORDERS

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

Machine head

- without automatic thread trimmer

LH4578CFFF0B

Digital Specifications	Seam application	Code	Needle gauge	Code	Nipper and one-touch type reverse feed		Code
Full digital type	Foundation	FF	6.4mm (1/4)	F	Nipper	One-touch type reverse feed	0B
					Not Provided	Provided	

Control box

SC956B

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

- with automatic thread trimmer

LH45□8CF□F7NB

Machine head	Code	Digital Specifications	Seam application	Code	Needle gauge	Code	Nipper and one-touch type reverse feed		Code
Large hooks	7	Full digital type	Jeans and heavy-weight	FG	6.4mm (1/4)	F	Nipper	One-touch type reverse feed	NB
Organized split needle bar, large hooks	8						Provided	Provided	



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.

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.
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