SPECIFICATIONS

Model name	DLN-5410N	DLN-5410NH	DLN-5410NL
Application	For light-to medium-weight materials	For heavy-weight materials	For heavy-weight materials (long stitch length type)
Max. sewing speed	5,000sti/min *	4,000sti/min *1	3,000sti/min *2
Max. stitch length	4mm	4.5mm	6mm
Needle bar stroke	30.7mm		
Lift of the presser foot	By hand: 5.5mm, By knee: 13mm		
Needle (at the time of delivery)	DB×1 (#14) For JE: 134 (Nm90)	DB×1 (#21) For JE: 134 (Nm130)	DB×1 (#21) For JE: 134 (Nm130)
Hook	Automatic-lubricating full-rotary hook		
Lubrication	Automatic		
Lubricating oil	JUKI New Defrix Oil No.1 (equivalent to ISO VG7)		

Model name	DLN-5410N-7	DLN-5410NH-7 *5	DLN-5410NJ-7 *5
Application	For light-to medium-weight materials	For heavy-weight materials	For jeans
Max. sewing speed	5,000sti/min *	4,000sti/min *3	4,000sti/min *4
Max. stitch length	4mm	4.5mm	
Needle bar stroke	30.7mm		33mm
Lift of the presser foot	By hand: 5.5mm, By knee: 13mm		
Needle (at the time of delivery)	DB×1 (#14) For JE: 134 (Nm90)	DB×1 (#21) For JE: 134 (Nm130)	DB×1 (#21) For JE: 134 (Nm130)
Hook	Automatic-lubricating full-rotary hook		Automatic-lubricating double-capacity full-rotary hook
Thread	——		#30～#8, B46～B92, Nm60/3～30/3
Lubrication	Automatic		
Lubricating oil	JUKI New Defrix Oil No.1 (equivalent to ISO VG7)		
Automatic reverse feed function	Provided as standard		
Power requirement	Single-phase 100～120V, 200～240V, 3-phase 200～240V		
Power consumption	650VA		
Total weight	83kg		

* "sti/min" stands for "Stitches per Minute"
*1 DLN-5410NH : Maximum stitch length: 4.5 mm × Maximum sewing speed: 4,000 sti/min
*2 DLN-5410NL : Maximum stitch length: 6 mm × Maximum sewing speed: 3,000 sti/min
*3 DLN-5410NH-7 : Maximum stitch length: 4.5 mm × Maximum sewing speed: 4,000 sti/min
*4 DLN-5410NJ-7 : Maximum stitch length: 4.5 mm × Maximum sewing speed: 4,000 sti/min
*5 Wiper-equipped specifications are not available for the H and J types when shipped from the assembly factory.

WHEN YOU PLACE ORDERS

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

DLN5410N□

Application	Code
For light-to medium-weight materials	
For heavy-weight materials	H
For heavy-weight materials (long stitch length type)	L

DLN5410N□7□□□□

Application	Code
For light-to medium-weight materials	
For heavy-weight materials	H
For jeans	J

Wiper and automatic reverse feed function		Code
Wiper	Automatic reverse feed function	
Not provided	Provided	0B
Provided	Provided	WB

Auto-lifter (optional)	Code
Not provided	
Provided (AK85)	AK

*The H (Heavy-weight Materials) and J (Jeans) specifications are available only in the 0B version.

PSC box

SC920C□

PSC box				Code
For JA (LA)*	Single-phase	100～120V	PFL	S
For JA*, General Export	3-phase	200～240V	PFL	D
For General Export	Single-phase	200～240V	PFL	K
For EU (CE)	Single-phase	200～240V	PFL	N
For China	Single-phase	200～240V	PFL	U

*JA: North America and Central and South America

Motor for SC

M92

Operation panel

Operation panel	Code
CP-18A	CP18A
CP-180A	CP180A

To order, please contact your nearest JUKI distributor.

JAB CM001 · EMS ISO14001 JSAE389 · UKAS MANAGEMENT SYSTEMS 089

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 CORPORATION
SEWING BUSINESS UNIT
2-11-1, TSURUMAKI, TAMA-SHI, TOKYO 206-8551, JAPAN
PHONE: +81-42-357-2355 FAX: +81-42-357-2274
https://www.juki.co.jp/en

- Specifications and appearance may be changed without notice for improvement purposes.
- To ensure safe use, be sure to read the instruction manual before use.

The information in this catalog is current as of October 2026. (Rev01) (JC)

DLN-5410N
DLN-5410N-7 (with automatic thread trimmer)

1-needle, Needle-feed, Lockstitch Machine



DLN-5410N-7-WB/CP-18A

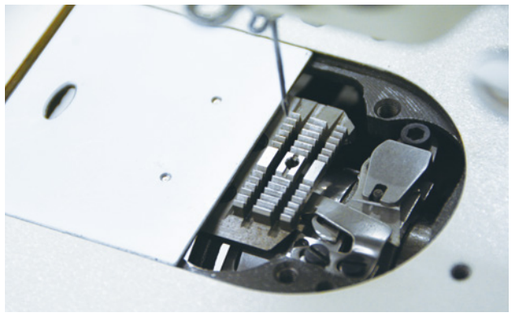
1-needle, Needle-feed,
Lockstitch Machine

With its needle feed mechanism, the machine supports the operator, promotes efficiency in production, and upgrades the quality of finished products.



Sure thread trimming mechanism.

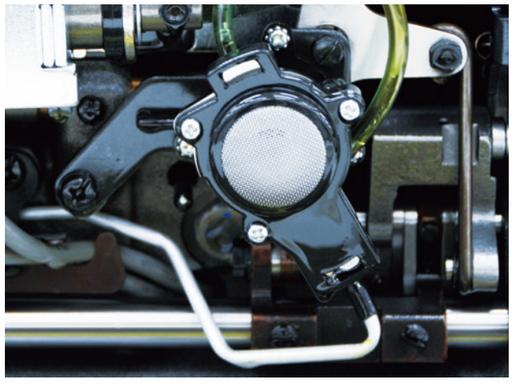
The moving knife has been designed so that it can be easily replaced, thus facilitating machine maintenance.



Sewing mechanism that demonstrates outstanding responsiveness to materials to be sewn.

The machine head has been redesigned to improve the performance of each component. Thanks to the machine's low-tension sewing capability and the adjustment function for the needle feed amount (±15%), uneven material feeding and puckering rarely occur, thus enhancing the machine's ability to respond to any change in the material to be sewn.
The optimally balanced design of the machine head and the stronger frame structure significantly reduce machine vibration and noise while the machine is being operated.







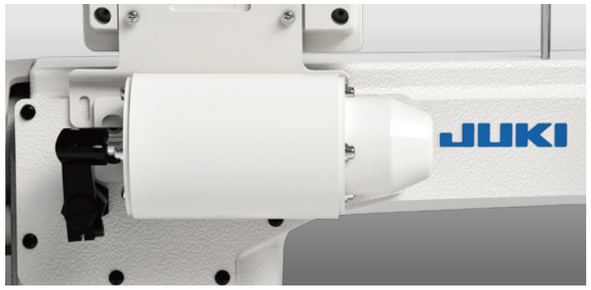
Durability and reliability of the machine are improved.

It is designed to reinforce the feed components, lubrication components, and frame, and to seal hermetically the needle bar frame. As a result, durability and reliability of the machine are improved and economical efficiency will be remarkably enhanced.

OPTIONS (With its full array of options, the machine further increases productivity.)

Auto-lifter AK85 (pedal type)

This device enables the presser foot to be raised and lowered by heel-back operation of the control pedal or by a pedal switch, reducing the effort required to lift the presser foot.
Part No.: GAK850010A



Micro-lifter

This device reduces friction between the material and the presser foot without changing the presser foot pressure, helping to prevent puckering and material slippage.
Part No.: 11243763



Newly developed control box / Compact-size servomotor

SC-920C/M92

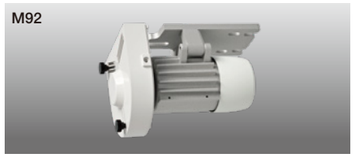
The new model control box, which energy-saving mode is provided.

The new model control box SC-920C has been newly developed. The control box is resistant to voltage fluctuations, noise and vibration.
The new model control box is provided with an energy-saving mode for the first time in a control box for sewing machines.
It reduces power consumption during standby time when the motor is not rotating by pproximately 25% (in comparison with the SC-910N).
In addition, the current DLN-5410N-7 is lavished with the latest energy-saving technologies,including the adoption of the latest compact servomotor M92, to be more friendly to theenvironment, as well as to provide the power reducing effect and to increase productivity.

SC-920C



M92



The operation panel can be selected according to the process.

CP-18A, CP-180A

**Two different operation panels, the CP-18A and CP-180A are applicable to the DLN-5410N-7.
Both operation panels are provided with the production support function.
The production support function actually consists of three different functions (six different modes)**

1. Output control function
   ① Target No. of products display mode
   ② Target-actual result difference display mode
2. Operation measuring function
   ① Sewing machine availability display mode
   ② Pitch time display mode
   ③ Average speed of stitch display mode
3. Bobbin counter function
   ① Bobbin counter display mode

CP-18A



CP-180A



Function comparison table between CP-18A and CP-180A

Main function	CP-18A	CP-180A
Production support function	○	○
Automatic reverse-feed stitching (performed at start/end of sewing; selectable)	0 to 15 stitches	0 to 19 stitches
Double reverse-feed stitching (performed at start/end of sewing; selectable)	0 to 15 stitches	0 to 19 stitches
Constant-dimension sewing (performed at start/end of sewing; selectable)	–	0 to 500 stitches, 0 to 19 stitches
Rectangular stitching (performed at start/end of sewing; selectable)	–	0 to 99 stitches, 0 to 21 stitches
Multi-layer stitching	0 to 15 stitches, 0 to 9 times	0 to 19 stitches, 0 to 9 times
Bobbin thread counter display (10/15/20 stitches/count; selectable according to the internal setting, max. 9999)	–	○
Needle up/down correction (1 stitch stroke or needle up/down according to the internal setting) (changeable between "up → down" and "down → up")	–	○
Automatic sewing (selectable between constant-dimension sewing and rectangular sewing)	–	○
Max. sewing speed control dial	–	○