

## SC-920C/M92/CP-18A,CP-180A

Control Box / Servomotor / Operation Panel



### Control Box / Servomotor SC-920C / M92

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

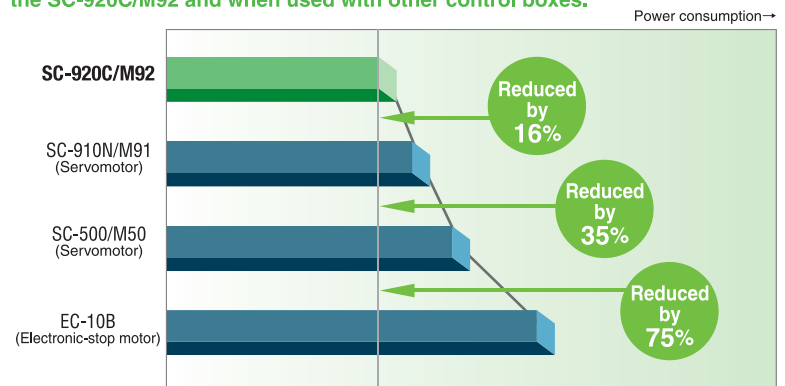
The new model control box SC-920C has been newly developed. The control box is resistant to voltage fluctuations, noise and vibration.

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 approximately 25% (in comparison with the SC-910N).

In addition, M92 is the latest compact servomotor with the latest energy-saving technologies.

Comparison of power consumption of DDL-8700-7 between when it is used with the SC-920C/M92 and when used with other control boxes.



\*When the sewing machine availability factor is 25%. \*When the DDL-8700-7/SC-920C/M92 runs under the energy-saving mode.

### Applicable model

- DDL-5550N-7 Series
- DDL-5600N-7 Series
- DDL-8700-7 Series
- DLN-5410N-7 Series
- DLU-5490N-7 Series
- DLD-5430N-7 Series
- DLM-5400N-7 Series
- DMN-5420N-7 Series
- LZ-2282N-7 Series
- LZ-2284N-7 Series



# Operation panels CP-18A, CP-180A

Two different operation panels, the CP-18A and CP-180A are applicable to the SC-920C/M92.

Select the operation panel to be used, either the CP-18A or the CP-180A. (The sewing machine will not operate unless the operation panel is installed.) The main functions of the respective operation panels are as shown in the table.



CP-18A

CP-180A

The CP-180A is recommended for sewing difficult-to-sew materials, hard-to-sew parts or for processes in which lots of setup changes are required. With the CP-180A, in addition to the functions of the CP-18A, the speed of stitch adjustment, ON/OFF of the automatic thread trimmer, automatic reverse stitching, double-reverse stitching, constant-dimension sewing, rectangular stitching and multi-layer stitching can be changed over with a finger-tip control, thereby substantially reducing the length of time required for setup changing.

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

Main function	CP-18A	CP-180A
<b>Production support function</b>	○	○
<b>Automatic reverse-feed stitching</b> (performed at start/end of sewing; selectable)	0 to 15 stitches	0 to 19 stitches
<b>Double reverse-feed stitching</b> (performed at start/end of sewing; selectable):	0 to 15 stitches	0 to 19 stitches
<b>Constant-dimension sewing</b> (performed at start/end of sewing; selectable)	—	0 to 500 stitches, 0 to 19 stitches
<b>Rectangular stitching</b> (performed at start/end of sewing; selectable)	—	0 to 99 stitches, 0 to 21 stitches
<b>Multi-layer stitching</b>	0 to 15 stitches, 0 to 9 times	0 to 19 stitches, 0 to 9 times
<b>Bobbin thread counter display</b> (10/15/20 stitches/count; selectable according to the internal setting, max. 9999)	○	○
<b>Needle up/down correction</b> (1 stitch stroke or needle up/down according to the internal setting) (changeable between "up down" and "down up")	—	○
<b>Automatic sewing</b> (selectable between constant-dimension sewing and rectangular sewing)	—	○
<b>Max. sewing speed control dial</b>	—	○
<b>Display of the number of revolution of sewing machine</b> (combined with the SC920C)	—	○

## Production support function

The operation panel is provided with a production support function.

The production support function actually consists of three different functions (six different modes), which are the output control function, operation measuring function and bobbin counter function. Each with its own production support effect. An appropriate function (mode) can be selected as required. The parameter setting can be done on the panel located on the top of the sewing machine, thereby helping reduce operator fatigue during setup changing.

### Example of use 1

#### Target No. of products display mode <F100>

In this mode, the target number of products for a day and the number of products finished at the current time are displayed.

Target number of products : 500 pcs.  
Actual number of products : 496 pcs.



CP-18A

CP-180A

### Example of use 2

#### Target-actual result difference display mode <F200>

Under this mode, the difference between the target number of products and the actual number of products produced is displayed according to the work hours.

Target-actual result difference : -4 pcs  
Remaining operation time (Count down by sec.) : 58sec.



CP-18A

CP-180A

## WHEN YOU PLACE ORDERS

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

### 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

### Operation panel

CP18A

CP180A

● To order, please contact your nearest JUKI distributor.

## SPECIFICATIONS

<b>Model name</b>	SC-920C/M92
<b>Motor type</b>	AC servomotor
<b>Motor output</b>	450W
<b>Power requirement</b>	Single-phase 100~120V, 200~240V 3-phase 200~240V
<b>Power consumption</b>	It depends on the operating conditions and installed machine head.
<b>Number of input ports</b>	10(for optional inputs)



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 (5) Reduction and recycling of waste  
 in the activities of research, development, design, sales, distribution, and maintenance services of industrial 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.