DDL-5550N
DDL-5550N-7 (with automatic thread trimmer)
1-needle, Lockstitch Machine

DDL-5550N Series
1-needle, Lockstitch Machine

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model name</th>
<th>DDL-5550N</th>
<th>DDL-5550NA</th>
<th>DDL-5550NHi</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application</td>
<td>For medium-weight materials</td>
<td>For light-weight materials</td>
<td>For heavy-weight materials</td>
</tr>
<tr>
<td>Max. sewing speed</td>
<td>5,000spm*1</td>
<td>4,000spm*1</td>
<td>4,000spm*1</td>
</tr>
<tr>
<td>Max. stitch length</td>
<td>4mm</td>
<td>4mm</td>
<td>5mm</td>
</tr>
<tr>
<td>Needle bar stroke</td>
<td>32.7mm</td>
<td>28mm</td>
<td>38mm</td>
</tr>
<tr>
<td>Lift of the presser foot</td>
<td>By hand: 5.5mm, By knee: 13.5mm</td>
<td>By hand: 4mm, By knee: 13mm</td>
<td>By hand: 5.5mm, By knee: 13.5mm</td>
</tr>
<tr>
<td>Needle (at the time of delivery)</td>
<td>DB-1 (14)</td>
<td>DA-1 (10)</td>
<td>DB-1 (14)</td>
</tr>
<tr>
<td>Hook</td>
<td>Automatic-lubricating full-rotary hook</td>
<td>Automatic-lubricating full-rotary hook</td>
<td>Automatic-lubricating full-rotary hook</td>
</tr>
<tr>
<td>Automatic reverse feed function</td>
<td>Provided as standard</td>
<td>Provided as standard</td>
<td>Provided as standard</td>
</tr>
<tr>
<td>Power consumption</td>
<td>650VA</td>
<td>650VA</td>
<td>650VA</td>
</tr>
<tr>
<td>Total weight</td>
<td>81.5kg</td>
<td>81.5kg</td>
<td>81.5kg</td>
</tr>
</tbody>
</table>

WHEN YOU PLACE ORDERS

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

DDL5550N  DDL5550N

Application Code
For medium-weight materials | Wiper and automatic reverse feed function | Code
For light-weight materials | A | Not provided | Provided | 0B |
For heavy-weight materials | H | Provided | Provided | WB |

Motor for SC M92
Operation panel CP-89A

PSC box SC920C
PSD box CP-18A

DDL-5550N-7 WB/CP-18A

DDL-5550N Series

JUKI CORPORATION
INDUSTRIAL SEWING MACHINE DIV.

Phone: 81(0)42-357-2254
Fax: 81(0)42-357-2274
http://www.juki.com

Specifications and appearances are subject to change without prior notice for improvement.
Read the instruction manual, before using the machine, in order to ensure safe use.
This catalogue prints with environment-friendly soy ink recyclable paper.

2-11-1, TSURUMAKI, TAMAGSHI,
TOKYO 120-8501, JAPAN

August, 2018 Printed in Japan
Newly developed lockstitch machine provides upgraded quality and a comfortable production environment that increases efficiency.

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

The thread take-up mechanism, feed mechanism, thread paths and hook have been further improved to enhance responsiveness to material changes and to ensure consistent stitch quality.

Sure thread trimming mechanism.

The machine comes with a thread trimming mechanism that performs squidy and sure thread trimming to achieve highly efficient sewing work.

Higher lift of the presser foot.

The ample lift of the presser foot makes it easier to set or remove materials or to sew overlapping sections.

The arm configuration is designed to provide a larger sewing space. Permits easier cloth handling while sewing.

The feed and lubricating mechanisms have been improved in durability.

The durability of the machine frame and components has been improved. This will result in long-range economy.

Newly developed control box/Compact-size servomotor

SC-920C/M92

The new 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.

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, the current DDL-5550N-7 is equipped with the latest energy-saving technologies including the adoption of the latest compact servomotor M92 to be more friendly to the environment, as well as to provide the power reducing effect and to increase productivity.

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 DDL-5550N-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
   a. Target No. of products display mode
   b. Target actual result difference display mode
2. Operation measuring function
   a. Sewing machine availability display mode
   b. Pitch time display mode
   c. Average speed of stitch display mode
3. Bobbin counter function
   a. Bobbin counter display mode

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

<table>
<thead>
<tr>
<th>Function</th>
<th>CP-18A</th>
<th>CP-180A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Production support function</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Automatic reverse-feed stitching (perforated sheet of sewing selectable)</td>
<td>0 to 15 stitches</td>
<td>0 to 19 stitches</td>
</tr>
<tr>
<td>Double reverse-feed stitching (perforated sheet of sewing selectable)</td>
<td>0 to 15 stitches</td>
<td>0 to 19 stitches</td>
</tr>
<tr>
<td>Constant-layers stitching (perforated sheet of sewing selectable)</td>
<td>0 to 999 stitches</td>
<td>0 to 29 stitches</td>
</tr>
<tr>
<td>Rectangular stitching (perforated sheet of sewing selectable)</td>
<td>0 to 99 stitches</td>
<td>0 to 21 stitches</td>
</tr>
<tr>
<td>Multi-layer stitching</td>
<td>0 to 15 stitches</td>
<td>0 to 19 stitches</td>
</tr>
<tr>
<td>Bobbin thread counter display (stitch count/statistics)</td>
<td>0 to 15 stitches</td>
<td>0 to 19 stitches</td>
</tr>
<tr>
<td>Bobbin thread counter display (stitch count/statistics)</td>
<td>0 to 15 stitches</td>
<td>0 to 19 stitches</td>
</tr>
<tr>
<td>Automatic sewing (selectable traverse (constant-rates sewing and rectangular sewing))</td>
<td>0 to 15 stitches</td>
<td>0 to 19 stitches</td>
</tr>
<tr>
<td>Max. sewing speed control</td>
<td>0 to 15 stitches</td>
<td>0 to 19 stitches</td>
</tr>
<tr>
<td>Displaying the number of stitches of sewing machine (compatible with the SC-920C)</td>
<td>0 to 15 stitches</td>
<td>0 to 19 stitches</td>
</tr>
</tbody>
</table>
Newly developed lockstitch machine provides upgraded quality and a comfortable production environment that increases efficiency.

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

The thread take-up mechanism, feed mechanism, thread paths and hook have been further improved to enhance responsiveness to material changes and to ensure consistent stitch quality.

Sure thread trimming mechanism.

The machine comes with a thread trimming mechanism that performs speedy and sure thread trimming to achieve highly efficient sewing work.

Higher lift of the presser foot.

The ample lift of the presser foot makes it easier to set or remove materials or to sew overlapping sections.

The arm configuration is designed to provide a larger sewing space.

Permits easier cloth handling while sewing.

The feed and lubricating mechanisms have been improved in durability.

The durability of the machine frame and components has been improved. This will result in long-range economy.

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 approximately 25% (in comparison with the SC-910N). In addition, the current DDL-5550N/7 is equipped with the latest energy-saving technologies, including the adoption of the latest compact servomotor M92, to be more friendly to the environment, as well as to provide the power reducing effect and to increase productivity.

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 DDL-5550N. Both operation panels are provided with the production support function. The production support function actually consists of three different functions (six different modes).

1. Operation panel selection

<table>
<thead>
<tr>
<th>Mode</th>
<th>CP-18A</th>
<th>CP-180A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Production support function</td>
<td>0 to 15 stitches</td>
<td>0 to 19 stitches</td>
</tr>
<tr>
<td>Automatic reverse feed stitching</td>
<td>0 to 15 stitches</td>
<td>0 to 19 stitches</td>
</tr>
<tr>
<td>Double reverse feed stitching</td>
<td>0 to 15 stitches</td>
<td>0 to 19 stitches</td>
</tr>
<tr>
<td>Constant-dimension sewing</td>
<td>0 to 1099 stitches</td>
<td>0 to 1999 stitches</td>
</tr>
<tr>
<td>Rectangular stitching</td>
<td>0 to 1099 stitches</td>
<td>0 to 1999 stitches</td>
</tr>
<tr>
<td>Stitching thread counter display</td>
<td>0 to 15 stitches</td>
<td>0 to 19 stitches</td>
</tr>
<tr>
<td>Multi-layer stitching</td>
<td>0 to 15 stitches</td>
<td>0 to 19 stitches</td>
</tr>
</tbody>
</table>

   Optional: feeding speed control (constant-dimension sewing and rectangular stitching)

   Displaying of the number of threads of sewing machine (compatible with the SC-910N).
DDL-5550N

DDL-5550N-7 (with automatic thread trimmer)

1-needle, Lockstitch Machine

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model name</th>
<th>DDL-5550N</th>
<th>DDL-5550NA</th>
<th>DDL-5550NH</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Application</strong></td>
<td>For medium-weight materials</td>
<td>For light-weight materials</td>
<td>For heavy-weight materials</td>
</tr>
<tr>
<td><strong>Max. sewing speed</strong></td>
<td>3,000st/min</td>
<td>4,000st/min</td>
<td>4,000st/min</td>
</tr>
<tr>
<td><strong>Max. width</strong></td>
<td>9mm</td>
<td>4mm</td>
<td>6mm</td>
</tr>
<tr>
<td><strong>Needle bar stroke</strong></td>
<td>32.7mm</td>
<td>25mm</td>
<td>38mm</td>
</tr>
<tr>
<td><strong>Lift of the presser foot</strong></td>
<td>By hand: 5.8mm, By knee: 13mm</td>
<td>By hand: 4mm, By knee: 9mm</td>
<td>By hand: 5.8mm, By knee: 13mm</td>
</tr>
<tr>
<td><strong>Needle (at the time of delivery)</strong></td>
<td>DB = 1 (4H) For JE: 13A (Nm6)</td>
<td>DA = 1 (4H) For JE: 13A (Nm6)</td>
<td>DB = 1 (4H) For JE: 13A (Nm6)</td>
</tr>
<tr>
<td><strong>Hook</strong></td>
<td>Automatic-lubricating full-rotary hook</td>
<td>Automatic-lubricating full-rotary hook</td>
<td>Automatic-lubricating full-rotary hook</td>
</tr>
<tr>
<td><strong>Lubrication oil</strong></td>
<td>Juki New Oils No. 1 (equivalent to ISO VG7)</td>
<td>Juki New Oils No. 1 (equivalent to ISO VG7)</td>
<td>Juki New Oils No. 1 (equivalent to ISO VG7)</td>
</tr>
<tr>
<td><strong>Automatic reverse feed function</strong></td>
<td>Provided as standard</td>
<td>Provided as standard</td>
<td>Provided as standard</td>
</tr>
<tr>
<td><strong>Power requirement</strong></td>
<td>Single-phase 100<del>120V, 200</del>240V, 3-phase 200~240V</td>
<td>Single-phase 100<del>120V, 200</del>240V, 3-phase 200~240V</td>
<td>Single-phase 100<del>120V, 200</del>240V, 3-phase 200~240V</td>
</tr>
<tr>
<td><strong>Power consumption</strong></td>
<td>600W</td>
<td>600W</td>
<td>600W</td>
</tr>
<tr>
<td><strong>Total weight</strong></td>
<td>8.5kg</td>
<td>8.5kg</td>
<td>8.5kg</td>
</tr>
</tbody>
</table>

* 30mm stands for 30mm per minute

### WHEN YOU PLACE ORDERS

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

DDL-5550N

- **Application Code**
  - Wiper and automatic reverse feed function
    - For medium-weight materials: A
    - For light-weight materials: B
    - For heavy-weight materials: C
  - Automatic reverse feed function
    - Not provided: A
    - Provided: B

- **Auto-lifter (optional) Code**
  - Not provided: A
  - Provided (AK): B

- **PSC Box**
  - SC920C

- **Motor for SC**
  - M92

- **Operation panel**
  - CP-18A

*Juki North America and Central and South America:

- To order, please contact your nearest Juki distributor.

DDL-5550N-7-WB/CP-18A

DDL-5550N Series

1-needle, Lockstitch Machine