DLU-5490N

1-needle, Bottom and Variable Top-feed Lockstitch Machine

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model name</th>
<th>DLU-5490N</th>
<th>DLU-5490N-7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. sewing speed</td>
<td>4,500sti/min</td>
<td></td>
</tr>
<tr>
<td>Max. stitch length</td>
<td>5mm</td>
<td></td>
</tr>
<tr>
<td>Max. top-feed amount</td>
<td>8mm</td>
<td></td>
</tr>
<tr>
<td>Needle bar stroke</td>
<td>30.7mm</td>
<td></td>
</tr>
<tr>
<td>Lift of the presser foot</td>
<td>5.5mm, By knee: 13mm</td>
<td></td>
</tr>
<tr>
<td>Needle (at the time of delivery)</td>
<td>DB x1 (#14), For JE: 134 (rem)</td>
<td></td>
</tr>
<tr>
<td>Hook</td>
<td>Automatic-hooping type hook</td>
<td>Automatic</td>
</tr>
<tr>
<td>Lubrication</td>
<td>Automatic</td>
<td>Automatic</td>
</tr>
<tr>
<td>Lubricating oil</td>
<td>JUKI New Defrix Oil No.1 (equivalent to ISO VG7)</td>
<td></td>
</tr>
<tr>
<td>Automatic reverse feed function</td>
<td>Provided as standard</td>
<td>—</td>
</tr>
<tr>
<td>Power requirement</td>
<td>Single-phase 100—120V, 200—240V 3-phase 200—240V</td>
<td>—</td>
</tr>
<tr>
<td>Power consumption</td>
<td>550W</td>
<td>—</td>
</tr>
<tr>
<td>Weight</td>
<td>Machine head: 30kg, Total weight: 83kg</td>
<td>—</td>
</tr>
</tbody>
</table>

* "Stitches per Minute" stands for "sti/min".

WHEN YOU PLACE ORDERS

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

- DLU-5490N series (without automatic thread trimmer)
- DLU-5490N-7 series (with automatic thread trimmer)

To order, please contact your nearest JUKI distributor.
With its bottom and variable top-feed mechanism, the machine widely adapts to diversified applications and helps promote the production of upgraded-quality products while increasing efficiency.

The durability of the walking foot has been dramatically improved.

The walking foot provides stable feed at all times, assuring high quality. It also eliminates the need for proficiency.

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.

The maximum top feed amount is 8mm.

The top feed amount has been increased to assure stable gathering stitches.

Higher lift of the presser foot.

The large lift of the presser foot enables the operator to easily set or remove materials and sew overlapping sections without any difficulty.

The operation panel can be selected according to the process.

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 DLU-5490N-7 is lavished 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 following table provides the specifications of CP-18A and CP-180A.

<table>
<thead>
<tr>
<th>Function comparison table between CP-18A and CP-180A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Machine</td>
</tr>
<tr>
<td>Automatic reverse-feed stitching (performed at start/end of sewing; selectable)</td>
</tr>
<tr>
<td>Double reverse-feed stitching (performed at start/end of sewing; selectable)</td>
</tr>
<tr>
<td>Contract mode sewing (performed at start/end of sewing; selectable)</td>
</tr>
<tr>
<td>Contract mode sewing (performed at start/end of sewing; selectable)</td>
</tr>
<tr>
<td>Multi-layer stitching</td>
</tr>
<tr>
<td>Multiple thread count display (10/20/30 threads; selectable)</td>
</tr>
<tr>
<td>Needle up/down correction (in default condition or needle up/down according to the setting)</td>
</tr>
<tr>
<td>Automatic sewing (performed between normal dimension sewing and rectangular sewing)</td>
</tr>
<tr>
<td>Display of the number of revolution of sewing machine combined with the table</td>
</tr>
</tbody>
</table>
With its bottom and variable top-feed mechanism, the machine widely adapts to diversified applications and helps promote the production of upgraded-quality products while increasing efficiency.

The durability of the walking foot has been dramatically improved. The walking foot provides stable feed at all times, assuring high quality. It also eliminates the need for proficiency.

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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).

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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 DLU-5490N-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
   ④ Bobbin counter function
   ⑤ Bobbin counter display mode

3. Multi-layer stitching

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

- CP-18A
  - Target No. of products display: 0 to 15 stitches
  - Target-actual result difference display: 0 to 9 times
  - Multi-layer stitching: 0 to 19 stitches

- CP-180A
  - Target No. of products display: 0 to 19 stitches
  - Target-actual result difference display: 0 to 500 stitches
  - Multi-layer stitching: 0 to 99 stitches

- Dimensions
  - Maximum top feed amount: 8mm

- Options
  - Auto-lifter AK85 (pedal-driven)
  - Material edge sensor ED-2
  - Partial shirring device PF-6
  - Micro-lifter
  - Part No.: 112-43763

- Features
  - DLU-5490N
  - Max. 13mm
  - When the sensor detects a material edge, it immediately stops the sewing machine and actuates the thread trimmer. This enhances productivity by allowing the operator to conduct sewing work without running to look out for missing stitches.

- Options

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

- Materials
  - With its bottom and variable top-feed mechanism, the machine widely adapts to diversified applications and helps promote the production of upgraded-quality products while increasing efficiency.
**Specifications**

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*“stitches” stands for “Stitches per Minute”

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**WHEN YOU PLACE ORDERS**

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

1. **DLU-5490N series (without automatic thread trimmer)**
   - Machine head: DLU5490N
     - Application Code
       - For medium-weight materials: BB
       - To prevent it from catching materials: CG
       - For sewing sharp curves: D

2. **DLU-5490N-7 series (with automatic thread trimmer)**
   - Machine head: DLU5490N-7
     - Application Code
       - For medium-weight materials: BB
       - To prevent it from catching materials: CG
       - For sewing sharp curves: D
     - Wiper and automatic reverse feed function
       - Code
         - Not provided: Not provided
         - Provided: Provided
     - Auto-lifter (optional)
       - Code
         - Not provided: Provided
         - Provided: Provided

3. **Auto-lifter (optional)**
   - Code
     - Provided: Provided
     - Not provided: Not provided

4. **Power supply**
   - Code
     - For JA (LA): Single-phase 100~120 V PFL S
     - For JA, General Export: Single-phase 200~240 V PFL D
     - For General Export: Single-phase 200~240 V PFL K
     - For EU (CE): Single-phase 200~240 V PFL N
     - For China: Single-phase 200~240 V PFL U

5. **To order, please contact your nearest JUKI distributor.**

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**DLU-5490N Series**

1-needle, Bottom and Variable Top-feed Lockstitch Machine

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**JUKI CORPORATION**

SEWING MACHINERY BUSINESS UNIT

- Specifications and appearances 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 soy ink on recycle paper.

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