DLD-5430N
DLD-5430N-7 (with automatic thread trimmer)
1-needle, Differential-feed, Lockstitch Machine

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Model name</th>
<th>DLD-5430N</th>
<th>DLD-5430N-7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. sewing speed</td>
<td>4500st/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>Shifting: 11.5 (max. 13.5), Stretching: 10.5</td>
<td></td>
</tr>
<tr>
<td>Needle bar stroke</td>
<td>30.3mm</td>
<td></td>
</tr>
<tr>
<td>Lift of the presser foot</td>
<td>By hand: 0.5mm, By knee: 10mm</td>
<td></td>
</tr>
<tr>
<td>Needle (at the time of delivery)</td>
<td>D90-1 (JM). For US: T94 (JM2)</td>
<td></td>
</tr>
<tr>
<td>Hook</td>
<td>Automatic lubricating hook</td>
<td>Automatic lubricating hook</td>
</tr>
<tr>
<td>Lubricating oil</td>
<td>JUKI New Delix Oil No.1 (equivalent to ISO VG7)</td>
<td>Provided as standard</td>
</tr>
<tr>
<td>Automatic reverse feed function</td>
<td>—</td>
<td>Provided as standard</td>
</tr>
<tr>
<td>Power requirement</td>
<td>Single-phase 100<del>120V, 200</del>240V</td>
<td>3-phase 200~240V</td>
</tr>
<tr>
<td>Power consumption</td>
<td>600VA</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>Machine head: 20kg</td>
<td>Total weight: 33.3kg</td>
</tr>
</tbody>
</table>

*The needle bar stroke is that the stitch length does not exceed 2.5mm.

**WHEN YOU PLACE ORDERS**

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

DLD5430N7

<table>
<thead>
<tr>
<th>Wiper and automatic reverse feed function</th>
<th>Code</th>
<th>Auto-lifter (optional)</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not provided</td>
<td>Provided</td>
<td>2B</td>
<td></td>
</tr>
<tr>
<td>Provided</td>
<td>Provided</td>
<td>WB</td>
<td>AK</td>
</tr>
</tbody>
</table>

• PSC box

PC Box

<table>
<thead>
<tr>
<th>Code</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>R</td>
</tr>
<tr>
<td>D</td>
<td>K</td>
</tr>
<tr>
<td>N</td>
<td>U</td>
</tr>
</tbody>
</table>

* JA: North America and Central and South America

● Motor for SC

SC920C

M92

● Operation panel

Operation panel

<table>
<thead>
<tr>
<th>Code</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>CP-1A</td>
<td>CP-2A</td>
</tr>
<tr>
<td>CP-1A</td>
<td>CP-2A</td>
</tr>
<tr>
<td>CP-1A</td>
<td>CP-2A</td>
</tr>
</tbody>
</table>

1-needle, Differential-feed, Lockstitch Machine

DLD-5430N Series

1-needle, Differential-feed, Lockstitch Machine

* All JUKI sewing machines are equipped with the latest JUKI’s original sewing machine control system. The machine’s operation panel is operated by a touch panel that is easy to understand. You can program the control system using the touch panel, and other functions are also made possible by this touch panel. This enables greater operation flexibility and reduces downtime, and multiple operations can be assigned to a single button on the touch panel.

* Specifications may be changed without notice for improvement.

* Please read the instruction manual before putting the machine into service to ensure safety.

* This catalogue prints with environment-friendly soy ink on recycle paper.
With its highly reliable bottom-differential-feed mechanism, the machine promotes the production of upgraded-quality products while increasing efficiency.

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.

Sewing mechanism that demonstrates outstanding responsiveness to materials to be sewn.
The thread take-up mechanism, thread path components and differential feed mechanism have all been improved. Thanks to these improvements, partial shirring can be performed with minimum tension applied to the material, thus leading to greater flexibility in responding to different types of materials.

Higher lift of the presser foot.
This machine is equipped with various devices that reduce the operator’s fatigue and allow the operator to easily operate the machine. These devices include the following: The foot pedal needs only light pressure to be operated. The presser foot can be lifted as high as 13mm. The shape of the machine arm has been designed to allow the operator to handle any material with ease.

**OPTIONS**

- **Auto-lifter AK5 (pedal-driven)**
- **Remaining bobbin thread detector AE-4°** Part No.: GAE-040000A0
  When the amount of remaining bobbin thread reaches the setting, the buzzer will sound to warn the operator not to press on the front part of the foot pedal. With this function, the operator doesn’t have to look away from the sewing work to check the bobbin thread.
  To set the remaining bobbin thread detector (set a part number 40000000, which is separately available, is required).
- **Gathering attachment Q036**
  For high-quality gathering, both effectively and consistently.
- **Micro-lifter Part No.: 112-43763**
  This device can be installed on the back of the faceplate. It is very convenient for frequent use.
- **Material edge sensor ED-2**
  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.
- **Partial shirring device PF-7**
  The partial shirring device permits very easy shirring.

### NEWLY DEVELOPED控制箱/Compact-size servomotor SC-920C/M92
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 present DLD-9430N-7 is finished 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 DLD-9430N-7. Both operation panels are provided with the production support function. The production support function actually consists of three different functions (via different models):

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

<table>
<thead>
<tr>
<th>Function comparison table between CP-18A and CP-180A</th>
<th>CP-18A</th>
<th>CP-180A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Function to display the number of produced products</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>CP-18A indicates finished while CP-180A indicates available</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Time difference between CP-18A and CP-180A indicates available</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Effective and available</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Display of the number of revolution of the sewing machine combined with the SC-920C</td>
<td>○</td>
<td>○</td>
</tr>
</tbody>
</table>
With its highly reliable bottom-differential-feed mechanism, the machine promotes the production of upgraded-quality products while increasing efficiency.

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.

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

The thread take-up mechanism, thread path components and differential feed mechanism have all been improved. Thanks to these improvements, partial stitching can be performed with minimum tension applied to the material, thus leading to greater flexibility in responding to different types of material.

Higher lift of the presser foot.

This machine is equipped with various devices that reduce the operator’s fatigue and allow the operator to easily operate the machine. These devices include the following: The foot pedal needs only light pressure to be operated. The presser foot can be lifted as high as 13mm. The shape of the machine arm has been designed to allow the operator to handle any material with ease.

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

- Auto-lifter AK85 (pedal-driven)
- Remaining bobbin thread detector AE-4, Part No.: GAE-0400090A
- Material edge sensor ED-2

- Gathering attachment 0036
  For high-quality gathering, both effectively and consistently.

- Micro-lifter Part No.: 112-43763
  This device can be installed on the back of the faceplate. It is very convenient for frequent use.

- Partial shifting device PF-7
  This shifting device permits very easy shifting.

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 DLD-9430N-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 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 DLD-9430N-7. Both operation panels are provided with the production support function.

The production support function actually consists of three different functions (via different modals).

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

Display comparison table between CP-18A and CP-180A
DLD-5430N
DLD-5430N-7 (with automatic thread trimmer)
1-needle, Differential-feed, Lockstitch Machine

Specifications

<table>
<thead>
<tr>
<th>Model name</th>
<th>DLD-5430N</th>
<th>DLD-5430N-7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. sewing speed</td>
<td>4500 (max.)</td>
<td>4500 (max.)</td>
</tr>
<tr>
<td>Max. stitch length</td>
<td>5mm</td>
<td>5mm</td>
</tr>
<tr>
<td>Max. top-feed amount</td>
<td>Shifting 1.1 mm, Stretching 1.0 mm</td>
<td>Shifting 1.1 mm, Stretching 1.0 mm</td>
</tr>
<tr>
<td>Needle bar stroke</td>
<td>30.3 mm</td>
<td>30.3 mm</td>
</tr>
<tr>
<td>Lift of the presser foot</td>
<td>By hand: 5.5 mm, By knee: 15 mm</td>
<td>By hand: 5.5 mm, By knee: 15 mm</td>
</tr>
<tr>
<td>Needle at the side of delivery</td>
<td>DB1-1 (3A), DB1-2 (3B)</td>
<td>DB1-1 (3A), DB1-2 (3B)</td>
</tr>
<tr>
<td>Hook</td>
<td>Automatic lubricating circular hook</td>
<td>Automatic lubricating circular hook</td>
</tr>
<tr>
<td>Lubricating oil</td>
<td>Juki New Delix Oil No. 1 equivalent to ISO VG7</td>
<td>Juki New Delix Oil No. 1 equivalent to ISO VG7</td>
</tr>
<tr>
<td>Automatic reverse feed function</td>
<td>Provided as standard</td>
<td>Provided as standard</td>
</tr>
<tr>
<td>Power requirement</td>
<td>Single-phase 200<del>240V, 50</del>60Hz</td>
<td>Single-phase 200<del>240V, 50</del>60Hz</td>
</tr>
<tr>
<td>Power consumption</td>
<td>690 VA</td>
<td>690 VA</td>
</tr>
<tr>
<td>Weight</td>
<td>Machine Head: 26kg, Total weight: 33kg</td>
<td>Machine Head: 26kg, Total weight: 33kg</td>
</tr>
</tbody>
</table>

When you place orders

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

DLD-5430N-7

Wiper and automatic reverse feed function

- Not provided
- Provided
- Auto-stop (optional)

PSC box

- SC920C
- Motor for SC M92

Operation panel

- CP-18A
- CP-18A

Ordering

- To order, please contact your nearest JUKI distributor.

- Specification subject to change without notice for improvement.
- Read the instruction manual before putting the machine into service to ensure safety.
- This catalogue is printed on environment-friendly paper.

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