ASN-690 Series

Super-high-speed serging machine developed to achieve a simple structure and ease of use

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**Specifications**

<table>
<thead>
<tr>
<th>Model name</th>
<th>ASN-690</th>
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</thead>
<tbody>
<tr>
<td>Machine head</td>
<td>MD-6904S (Super-high-speed, 1-needle overlock machine)</td>
</tr>
<tr>
<td>Application</td>
<td>Serging of skirts, pants, jeans, etc.</td>
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<tr>
<td>Max. sewing speed</td>
<td>8,000sti/min*</td>
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<tr>
<td>Stitch length</td>
<td>0.8~4mm</td>
</tr>
<tr>
<td>Overedging width (mm)</td>
<td>4.0, 4.8, 5.6</td>
</tr>
<tr>
<td>Differential feed ratio</td>
<td>For gathering 1:2 (max. 1:4), For stretching 1:0.7 (max. 1:0.6)</td>
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<tr>
<td>Needle</td>
<td>DC×27 (411) 9~214</td>
</tr>
<tr>
<td>Thread trimming device</td>
<td>Automatic pneumatic side cutter</td>
</tr>
<tr>
<td>Lubrication</td>
<td>Automatic</td>
</tr>
<tr>
<td>Lubricating oil</td>
<td>JUKI MACHINE OIL 18 (equivalent to ISO VG18)</td>
</tr>
<tr>
<td>Compressed air</td>
<td>0.5MPa</td>
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<tr>
<td>Power consumption</td>
<td>590VA</td>
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<tr>
<td>Power requirement</td>
<td>Single-phase 200<del>240V, 3-phase 200</del>380V</td>
</tr>
<tr>
<td>Machine weight</td>
<td>Long-table type (L): 160kg (with stacker) Short-table type (S): 110kg (with stacker)</td>
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<tr>
<td>Dimensions</td>
<td>Long-table type (L) with stacker: 1,800mm (W) × 790mm (D) × 880mm (H) Short-table type (S) with stacker: 790mm (W) × 575mm (D) × 880mm (H)</td>
</tr>
</tbody>
</table>

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**WHEN YOU PLACE ORDERS**

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

- **Sewing table**
  - Long-table without sub-table: Z
  - Long-table type: L
  - Short-table type: S

- **Power supply**
  - Single-phase: 200~240V
  - 3-phase: 200~380V

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- **Overedging width**
  - 4.0mm: Code 4
  - 4.8mm: Code F
  - 5.6mm: Code G

- **Option**
  - AK-139
  - CL-5
  - FF-10
  - PK-79
  - KM-5

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- **Note:** The short-table type machine cannot be combined with the KM-5.

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*“sti/min” stands for “Stitches per Minute.”

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*Registered Organization:
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.

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To order, please contact your nearest JUKI distributor.

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JUKI CORPORATION
SEWING MACHINERY BUSINESS UNIT
http://www.juki.com

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.
This catalogue prints with environment-friendly soy ink on recycle paper.
Increased productivity is required in the serging process. JUKI has launched its super-high-speed machine developed in pursuit of simple-in-operation and ease-of-use. To fully support the operator so that he/she can carry out serging speedily, the machine comes in two different types; the long-table type and the short-table type which permits easy handling of the material.

### The machine is equipped with the super-high-speed overlock machine head MO-6904S.

The machine achieves the high-speed performance of up to 8,000 st/min to promise increased productivity. The machine performs serging according to the material used, is capable of sewing with reduced thread tension and promises consistent seam quality free from slip-off seams at curved parts of the material.

### Flexible cloth guide

The cloth guide can easily be adjusted in height according to the material to be used without using a tool. It eliminates the troublesome changing of spacers.

### Air-blow table

The machine comes with an air-blow table, which issues a jet of air from its air nozzles at three locations to contribute to smoother handling of the material.

### Micro-lifter device

The machine is provided as standard with a micro-lifter device which adjusts the lifting amount of the presser foot to the material thickness to achieve improved seam quality, while preventing puckering and material damage.

### Looper cleaner

A dust extractor is equipped as standard in the upper looper arm section where dust is likely to gather. It helps prevent dust from accumulating inside the cloth chip cover.

### Easy-to-use stacker switch

The stacker automatically actuates according to the preset number of seams. In addition, the stacker can also be actuated by operating the large easy-to-press manual stacker switch.

### Example of a serging process

The table shape of the short-table type machine permits easy handling of the material to perform serging of a long material even when the work space is small.

The machine is applicable to the over casting of material fabrics cut into various jeans, pants and skirt shapes.

#### Lots of optional device have been prepared to help the operator.

- **Silencer** 40082450
  It is a device for reducing the noise generated by the dust extractor during sewing.

- **Cloth table KM-5** 40082456
  The table is used for placing sewing materials near the sewing table. (Only for the long-table type)

- **Presser foot lifter AK-139** 40082451
  This is a device for lifting the presser foot automatically.

- **3-pedal switch unit PK-79** 40082455
  The 3-pedal switch unit works as the pause switch, high-/low-speed changeover switch and differential feed switch. The differential feed switch has to be used in combination with the differential feed amount changing device (PF-10).

- **Differential feed amount changing device PF-10** 40082454
  This is a device for changing the differential feed amount. It can widely support the serging of various items.

- **Curve sensor CL-5** 40082453
  This is a sensor for detecting the in-curve shape and changing the speed of the stitch and differential feed amount accordingly.