This model is designed for sewing pockets on jeans and is based on the AMS-221EN Series

- The machine sews folded pocket cloth on the garment body.
- Maximum stitching range of a pocket that can be sewn is 246mm (width) × 200mm (length).

Higher productivity

The operator is able to attend to two sewing machines at one time by the use of the SS46 stacker (optional), thereby achieving higher productivity.

Trial calculation of productivity

| One operator attends to one AMS unit. (Without the stacker) | Cycle time: 22 sec/pocket |
| One operator attends to two AMS units. (With the stacker)   | Cycle time: 10.25 sec/pocket |
| Daily production: 1,006 pockets/ operator                   | Daily production: 2,161 pockets/ operator |

Condition:
- Placement of a garment body and a pocket cloth on the sewing machine: 7 sec.
- Sewing: 13.5 sec. (301 stitches without bartacking)
- Placement of the finished garment body: 1.5 sec.
- In the case where the operator is attending to two sewing machines, the operator needs two seconds to move between the machines when the stacker is used.

Excellent seam quality

The machine achieves excellent seam quality by the use of the "active tension" and the "intermediate-presser height adjusting function", which are two of the superior features of the AMS221EN Series.

Operation panel

The AMS-221EN has adopted, as its operation panel, the IP-420 which has a large color liquid crystal touch panel. The color LCD unit displays sewing data such as stitch shape, needle thread tension, enlargement/reduction ratio, sewing speed and the number of stitches at a glance. In addition, the machine supports USB, allowing for the use of various USB thumb drives and media. (SD Card, CompactFlash, Smart Media, Floppy disks)

Energy-saving

The AMS-221EN is an economically-efficient model which has been designed to reduce power consumption. The sewing machine has adopted a direct-drive system by means of a compact AC servomotor that is excellent in energy transmission to drive the main shaft, and has adopted an encoder-control system which drives the stepping motor with a minimum of power in accordance with the material thickness and stitch length to control the X-Y drive mechanism, thereby reducing power consumption.
### Specifications

<table>
<thead>
<tr>
<th>Model name</th>
<th>AMS-221EN-HS3020/7200</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Application</strong></td>
<td>Heavy-weight</td>
</tr>
<tr>
<td><strong>Feeding frame type</strong></td>
<td>Pneumatic feeding frame</td>
</tr>
<tr>
<td><strong>Max. sewing speed</strong></td>
<td>2,000 stitches/min</td>
</tr>
<tr>
<td><strong>Sewing area</strong></td>
<td>X: 246mm × Y: 200mm</td>
</tr>
<tr>
<td><strong>Stitch length</strong></td>
<td>0.1~12.7mm (0.05mm step)</td>
</tr>
<tr>
<td><strong>Needle thread tension</strong></td>
<td>Active tension (electronic thread tension control mechanism)</td>
</tr>
<tr>
<td><strong>Needle</strong></td>
<td>DPX17(#19)</td>
</tr>
<tr>
<td><strong>Hook</strong></td>
<td>Double-capacity shuttle hook</td>
</tr>
<tr>
<td><strong>Storage of pattern data in the memory</strong></td>
<td>Main-body memory: Max. 500,000 stitches, 999 patterns (max. 50,000 stitches / pattern) External media: Max. 45,950,000 stitches, 999 patterns (max. 50,000 stitches / pattern)</td>
</tr>
<tr>
<td><strong>Sewing machine motor</strong></td>
<td>AC servomotor 550W (direct-drive system)</td>
</tr>
<tr>
<td><strong>Power requirement / Power consumption</strong></td>
<td>240V/450VA</td>
</tr>
<tr>
<td><strong>Compressed air / Air consumption</strong></td>
<td>0.35~0.40 (max. 0.55) MPa / 1.8 dm³/min (ANR)</td>
</tr>
<tr>
<td><strong>Dimensions / Weight</strong></td>
<td>1,200mm(W) × 1,000mm(D) × 1,200mm(H) (thread stand is not included), 210kg</td>
</tr>
</tbody>
</table>

### When You Place Orders

<table>
<thead>
<tr>
<th>Application</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heavy-weight</td>
<td>H</td>
</tr>
<tr>
<td><strong>Sewing area type</strong></td>
<td>Code</td>
</tr>
<tr>
<td>X:300mm Y:200mm</td>
<td>3020</td>
</tr>
</tbody>
</table>

### Options

- **Stacker SS46**
  - The stacker stacks the finished garment body. It is effective in the case one operator attends to two or more sewing machines.
- **PLASTIC BLANK**
  - [Part No. 40063821](#)
  - This is a plastic blank for making the pocket style jig.
- **Pocket style jig**
  - The pocket style jig can be quickly changed in a short time. The price of the pocket style jig itself is low, thereby supporting a small-lot production system. The PLASTIC BLANK (an option) is separately available. The pocket style jig can be made of the blank in your plant according to the pocket shape.
  - The retractable pocket clamp plate is adopted. This feature can be used for the inner stitches of double-line sewing. In addition, since the travel stroke of the pocket clamp plate is adjustable according to the pocket size, pockets can be sewn beautifully with no sewing trouble regardless of the pocket size.
  - Entry prohibition area in which interference between the needle and the pocket clamp plate clamp is prevented exists for the respective pocket sizes.

### Pocket clamp plate for pocket cloth

- **Pocket clamp plate**
  - The pocket clamp plate is available separately from the main body of the sewing machines.
  - It is effective in the case one operator attends to two or more sewing machines.

### Specifications

- **Code**: PK 3-pedal unit (PK47)

### Options

- **Code**: D

### When You Place Orders

- **Application**: Heavy-weight
- **Sewing area type**: X:300mm Y:200mm

### Pocket clamp plate for pocket cloth

- **Pocket clamp plate**
  - The pocket clamp plate travels forward
- **Work clamp**
  - The work clamp is available separately from the main body of the sewing machines.

### Pocket style jig

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