**Specifications**

**HE-800C**

<table>
<thead>
<tr>
<th>Application</th>
<th>Woven articles such as shirts, blouses, work clothes and ladies attire. Knit articles such as underwear, sweaters, cardigans and jerseys.</th>
</tr>
</thead>
</table>

### HE-800C

- **Max. sewing speed:** 4,000 stt/min
- **Cylindrical mechanism:** Puls Motor
- **Feed mechanism:** Puls Motor
- **Presser foot ESR mechanism:** Puls Motor
- **Presser foot ESR amount:** Max. 3.5mm (adjustable)
- **Cutter mechanism:** Double position: adjustable
- **Lower thread holder device:** Standard equipment
- **Bobbin presser:** Standard equipment
- **Standard pattern shapes:** 27 built-in
- **No. of sewing programs stored:** 256
- **Max. no. of stitching program:** 993 stitches
- **Needle:** Schmetz 134 No90 + Schmetz 134 No75
- **Data storage method:** SD card (No guarantees of operation can be given for any media.)
- **Power supply:** Single-phase: 110V, Three-phase: 220V

### Gauge parts list

- **Button hole size**
  - Work clamp with finger guard
  - Finger guard
  - Work clamp

<table>
<thead>
<tr>
<th>Size (mm)</th>
<th>16mm</th>
<th>16mm</th>
<th>16mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>25mm*</td>
<td>25mm*</td>
<td>25mm*</td>
<td>25mm*</td>
</tr>
<tr>
<td>12mm</td>
<td>12mm</td>
<td>12mm</td>
<td>12mm</td>
</tr>
</tbody>
</table>

* When using a multi-work table clamp.

### Needle hole size

<table>
<thead>
<tr>
<th>For flat cutter</th>
<th>For flat cutter</th>
<th>For flat cutter</th>
</tr>
</thead>
<tbody>
<tr>
<td>2mm (1/8&quot;)</td>
<td>2mm (1/8&quot;)</td>
<td>2mm (1/8&quot;)</td>
</tr>
<tr>
<td>2.5mm (5/32&quot;)</td>
<td>2.5mm (5/32&quot;)</td>
<td>2.5mm (5/32&quot;)</td>
</tr>
<tr>
<td>3.0mm (2/32&quot;)</td>
<td>3.0mm (2/32&quot;)</td>
<td>3.0mm (2/32&quot;)</td>
</tr>
</tbody>
</table>

### Cutter size

<table>
<thead>
<tr>
<th>Cutter size</th>
<th>Flat Cut</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.4mm (1/4&quot;)</td>
<td>6.4mm (1/4&quot;)</td>
</tr>
<tr>
<td>5.0mm (3/32&quot;)</td>
<td>5.0mm (3/32&quot;)</td>
</tr>
<tr>
<td>3.0mm (1/8&quot;)</td>
<td>3.0mm (1/8&quot;)</td>
</tr>
<tr>
<td>1.6mm (1/32&quot;)</td>
<td>1.6mm (1/32&quot;)</td>
</tr>
<tr>
<td>1.2mm (1/16&quot;)</td>
<td>1.2mm (1/16&quot;)</td>
</tr>
<tr>
<td>0.7mm (1/64&quot;)</td>
<td>0.7mm (1/64&quot;)</td>
</tr>
</tbody>
</table>

### Enjoy Without Limit

Brother is compliant with the RoHS Directives by restricting the use of certain hazardous substances in electrical and electronic equipment. 

*Please read instruction manual before using the machine for safety instruction.*

*Product specifications are subject to change for improvement without notice. Please contact your Brother dealer for further information.*

**HE-800C**

- High quality sewing due to modified parts and program.
- High productivity due to double cutting function.
- Reduction of disposal of thread ends.
- Productivity improvement by IoT.

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“Beautiful Sewing”

High quality sewing due to modified parts and program.

1. High productivity due to double cutting function
   It enables double cutting during various size of button hole sewing and gives you high productivity without any changing time of cutters. High cost performances and productivities can be expected.

2. Reduction of disposition of thread ends
   Renewed thread trimmer cuts the thread, realizing short remaining threads. The disposition of thread ends after sewing can be reduced. Also, the thread nipper, equipped as standard, minimizes thread cost off at sewing start and end’s nest. (2 spec. only)

3. Improve sewing quality by modified parts and program.
   Beautiful bank sewing finish appears when you use pearl stitch with low thread tension due to modified parts and needle movement program. And, when you use whip stitch it may provide beautiful finish because it reduces any trouble such as thread breakage and stitch tightness errors. Minimum resolution is only 0.1mm. It gives high accuracy of button hole cutting and reduce any uneven finish.

4. Easy for difficult-to-sew materials with underlay
   With underlay functionality, it is effective for stretch materials to prevent them from stretching.

5. Easy positioning for sewing
   The presser foot lifter is driven by a pulse motor, so that the height can be adjusted as desired. This makes insertion and removal of the material easier and reduces working fatigue.

6. Easy and operator-intuitive operation panel
   The HE-800C is equipped with a liquid crystal display (LCD) and indicates display items with icons and letters. Setting and check of sewing patterns and change of sewing modes are easy to understand and carry out. It supports multiple as display language.

7. Productivity improvement with IoT
   NEXTO series are IoT applicable models.* The visualization by connecting sewing machine and computer with the network technology enables the customer to analyze, manage processes and speed up productivity improvement and maintenance work.

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* A is applicable for NEXTO IoT system. For more detail, please refer to the catalog of “brother Industrial Sewing Machine Network System”.