**Cod. ESBN-100S**

- Microprocessor based servo controlled temperature system.
- The microprocessor-controlled unit allows three settings: pre-warm, manual or automatic.
- Alarm functions for safety includes:
  - Power failure, temperature deviation,
  - Temperature sensor failure, over temperature.
- APGAR timer to record therapy time
- X-ray cassette under the infant bed
- Heater head can be adjusted + 90° horizontally
- Adjustable infant bed tilt angle
- Adjustable Halogen Observation light angle
- Transparent protector folded
- Audio and visual Alarms
- A second thermal cut-out function for more safety
- Skin temperature sensor failure protect function avoid over temperature

**Standard configuration**
Main body (including the Radiant source, Control system, Infant bed, Bracket),
X-ray cassette, Observe light, I. V. pole, Skin temperature sensor,
Tray, Mattress, Transparent protector, Castors

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**Cod. ESBN-100M**

- Microprocessor based servo controlled temperature system.
- The microprocessor-controlled unit allows three settings: pre-warm, manual or automatic.
- Alarm functions for safety includes:
  - Power failure, temperature deviation,
  - APGAR timer to record therapy time
  - X-ray cassette under the infant bed
  - Heater head can be adjusted + 90° horizontally
  - Adjustable infant bed tilt angle
  - Adjustable Halogen Observation light angle
  - Transparent protector folded
  - Audio and visual Alarms
  - A second thermal cut-out function for more safety
  - Skin temperature sensor failure protect function avoid over temperature
  - LED phototherapy unit

**Standard configuration**
Main body (including the Radiant source, Control system, Infant bed, Bracket),
X-ray cassette, Observe light, I. V. pole, Skin temperature sensor,
Tray, Mattress, Transparent protector, Castors
**Cod. ESBN-100T**

- Microprocessor based servo controlled temperature system.
- The microprocessor-controlled unit allows for three settings: pre-warm, manual or automatic.
- Alarm functions for safety includes:
  - Power failure, temperature deviation,
  - Temperature sensor failure, over temperature.
- APGAR timer to record therapy time
- X-ray cassette under the infant bed
- Heater head can be adjusted + 90° horizontally
- Tilt angle of infant bed is adjustable
- Adjustable Halogen Observation light angle
- Transparent protector folded
- Audio and visual Alarms
- A second thermal cut-out function for more safety
- Skin temperature sensor failure protect function avoid over temperature
- Low pressure aspirator, oxygen supply system and LED phototherapy unit

**Standard configuration**
Main body (including the Radiant source, Control system, Infant bed, Bracket), X-ray cassette, Observe light, I.V. pole, Skin temperature sensor, Tray, Mattress, Transparent protector, Castors. LED phototherapy unit, Low pressure aspirator, Oxygen supply system

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**Cod. ESBN-100L**

- Microprocessor based servo controlled temperature system.
- The microprocessor-controlled unit allows for three settings: pre-warm, manual or automatic.
- Alarm functions for safety includes:
  - Power failure, temperature deviation,
  - Temperature sensor failure, over temperature.
- APGAR timer to record therapy time
- X-ray cassette under the infant bed
- Heater head can be adjusted + 90° horizontally
- Tilt angle of infant bed is adjustable
- Adjustable Halogen Observation light angle
- Transparent protector folded
- Audio and visual Alarms
- A second thermal cut-out function for more safety
- Skin temperature sensor failure protect function avoid over temperature
- Temperature deviation can be amended in front panel directly
- Low pressure aspirator, oxygen supply system and LED phototherapy unit
- Adjustable electric height useful for different operations

**Standard configuration**
Main body (including the Radiant source, Control system, Infant bed, Bracket), X-ray cassette, Observe light, I.V. pole, Skin temperature sensor, Tray, Mattress, Transparent protector, Castors. LED phototherapy unit, Low pressure aspirator, Oxygen supply system, Adjustable height.
Cod. **ESBN-200**

- Three modes of control: manual, skin temperature and mattress temperature
- Microprocessor based servo controlled temperature system
- Control panel displayed by VFD
- Digital skin temperature sensor, the data is exact and stabilizability
- High sensitivity and untouched detector to inspect mattress temperature
- Alarm functions for safety include power failure temperature deviation temperature probe failure over temperature
- APGAR timer to record therapy time
- Observe light angle can be adjusted + 90°, and the brightness adjusted
- Heater head can be adjusted + 90° horizontally
- Electric infant bed tilt angle is + 10°, transparent protector folded
- X-ray cassette under the infant bed
- Adjustable electric height useful for different operations
- Audio and visual Alarms
- A second thermal cut-out function for more safety
- Skin temperature sensor failure protect function avoid over temperature

**Standard configuration**
Main body (including the radiant source, control system, infant bed, electric lift stand), I.V. pole, skin sensor, mattress, one drawer, transparent protector, castors

**Optional parts**
Low pressure aspirator; oxygen supply system, LED phototherapy unit. Control system, Infant bed, Bracket), X-ray cassette, Observe light, I.V. pole, Skin temperature sensor, Tray, Mattress, Transparent protector, Castors. LED phototherapy unit, Low pressure aspirator, Oxygen supply system, Adjustable height.

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**Optional parts of Infant Radiant Warmers**

- Drawers
- Built-in Low pressure Aspirator
- Adjustable Height
- Air Temp count up/down timer
- ESBL-60 phototherapy unit
- Oxygen system
- Low pressure Aspirator
- RS-232 Connector
## TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>ESBN-100S</th>
<th>ESBN-100M</th>
<th>ESBN-100T</th>
<th>ESBN-100L</th>
<th>ESBN-200</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Power</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power supply</td>
<td>110/220V 60/50Hz</td>
<td>110/220V 60/50Hz</td>
<td>110/220V 60/50Hz</td>
<td>110/220V 60/50Hz</td>
<td>110/220V 60/50Hz</td>
</tr>
<tr>
<td>Power input</td>
<td>≤ 1200VA</td>
<td>≤ 1200VA</td>
<td>≤ 1200VA</td>
<td>≤ 1200VA</td>
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<tr>
<td><strong>Operating conditions</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>An ambient temperature</td>
<td>18°C ~ 30°C</td>
<td>18°C ~ 30°C</td>
<td>18°C ~ 30°C</td>
<td>18°C ~ 30°C</td>
<td>18°C ~ 30°C</td>
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<tr>
<td>An ambient Relative Humidity</td>
<td>30% ~ 75%RH</td>
<td>30% ~ 75%RH</td>
<td>30% ~ 75%RH</td>
<td>30% ~ 75%RH</td>
<td>30% ~ 75%RH</td>
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<tr>
<td>Atmospheric Pressure</td>
<td>700 ~ 1060 hPa</td>
<td>700 ~ 1060 hPa</td>
<td>700 ~ 1060 hPa</td>
<td>700 ~ 1060 hPa</td>
<td>700 ~ 1060 hPa</td>
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<td><strong>Technical specification:</strong></td>
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<tr>
<td>Display</td>
<td>LED</td>
<td>LED</td>
<td>LED</td>
<td>LED</td>
<td>LED</td>
</tr>
<tr>
<td>An ambient Air Velocity</td>
<td>&lt; 0.3m/s</td>
<td>&lt; 0.3m/s</td>
<td>&lt; 0.3m/s</td>
<td>&lt; 0.3m/s</td>
<td>&lt; 0.3m/s</td>
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<tr>
<td>Skin Temperature control</td>
<td>32°C ~ 38°C</td>
<td>32°C ~ 38°C</td>
<td>32°C ~ 38°C</td>
<td>32°C ~ 38°C</td>
<td>32°C ~ 38°C</td>
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<tr>
<td>Skin Temperature control</td>
<td>≤ 0.5°C</td>
<td>≤ 0.5°C</td>
<td>≤ 0.5°C</td>
<td>≤ 0.5°C</td>
<td>≤ 0.5°C</td>
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<tr>
<td>Mattress temperature uniformity</td>
<td>&lt; 2°C</td>
<td>&lt; 2°C</td>
<td>&lt; 2°C</td>
<td>&lt; 2°C</td>
<td>&lt; 2°C</td>
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<tr>
<td>Skin temperature sensor accuracy</td>
<td>± 0.3°C</td>
<td>± 0.3°C</td>
<td>+ 0.3°C</td>
<td>+ 0.3°C</td>
<td>± 0.3°C</td>
</tr>
<tr>
<td>Air temperature</td>
<td>/</td>
<td>/</td>
<td>/</td>
<td>/</td>
<td>/</td>
</tr>
<tr>
<td>Operation light</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Warm-up time</td>
<td>≤ 30min</td>
<td>≤ 30min</td>
<td>≤ 30min</td>
<td>≤ 30min</td>
<td>≤ 30min</td>
</tr>
<tr>
<td>Infant bed tilt angle</td>
<td>± 10°</td>
<td>± 10°</td>
<td>± 10°</td>
<td>± 10°</td>
<td>± 10°</td>
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<tr>
<td>APGAR timer range</td>
<td>≤ 24h</td>
<td>≤ 24h</td>
<td>≤ 24h</td>
<td>≤ 24h</td>
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<tr>
<td>Timer count down</td>
<td>optional</td>
<td>optional</td>
<td>optional</td>
<td>optional</td>
<td>Yes</td>
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<tr>
<td>Heater head horizontal</td>
<td>± 90°</td>
<td>± 90°</td>
<td>± 90°</td>
<td>± 90°</td>
<td>± 90°</td>
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<tr>
<td>Mattress size</td>
<td>67 x 54 cm</td>
<td>67 x 54 cm</td>
<td>67 x 54 cm</td>
<td>67 x 54 cm</td>
<td>76 x 65 cm</td>
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<tr>
<td>Distance from heater to mattress</td>
<td>80 cm</td>
<td>80 cm</td>
<td>80 cm</td>
<td>80 cm</td>
<td>90 cm</td>
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<tr>
<td>LED phototherapy light</td>
<td>/</td>
<td>2pcs X 8W</td>
<td>2pcs X 8W</td>
<td>2pcs X 8W</td>
<td>/</td>
</tr>
<tr>
<td>Low pressure aspirator</td>
<td>/</td>
<td>/</td>
<td>1000 ml container</td>
<td>1000 ml container</td>
<td>1000 ml container</td>
</tr>
<tr>
<td>(built-in)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oxygen supply system</td>
<td>/</td>
<td>/</td>
<td>10L</td>
<td>8L</td>
<td>/</td>
</tr>
<tr>
<td>Height adjustable range</td>
<td>/</td>
<td>/</td>
<td>/</td>
<td>0-20cm</td>
<td>/</td>
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<tr>
<td>Alarm functions</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Power failure</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Over temperature</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Temperature deviation</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Temperature sensor failure</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### Unit Package

<table>
<thead>
<tr>
<th>Size</th>
<th>120 x 70 x 96 cm</th>
<th>120 x 80 x 95 cm</th>
<th>135 x 85 x 98 cm</th>
<th>120 x 70 x 110 cm</th>
<th>114C x 94 x 104 cm</th>
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</thead>
<tbody>
<tr>
<td>Net weight</td>
<td>70 Kg</td>
<td>80 Kg</td>
<td>130 Kg</td>
<td>130 Kg</td>
<td>140 Kg</td>
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<tr>
<td>Gross weight</td>
<td>100 Kg</td>
<td>100 Kg</td>
<td>150 Kg</td>
<td>150 Kg</td>
<td>170 Kg</td>
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### Transport and storage

<table>
<thead>
<tr>
<th>Environment Temperature</th>
<th>-40°C ~ +55°C</th>
<th>-40°C ~ +55°C</th>
<th>-40°C ~ +55°C</th>
<th>-40°C ~ +55°C</th>
<th>-40°C ~ +55°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environment Relative Humidity</td>
<td>≤ 95%</td>
<td>≤ 95%</td>
<td>≤ 95%</td>
<td>≤ 95%</td>
<td>≤ 95%</td>
</tr>
<tr>
<td>Atmospheric Pressure</td>
<td>500 ~ 1060 hPa</td>
<td>500 ~ 1060 hPa</td>
<td>500 ~ 1060 hPa</td>
<td>500 ~ 1060 hPa</td>
<td>500 ~ 1060 hPa</td>
</tr>
</tbody>
</table>

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