



# ESBN Line

## INFANT RADIANT WARMERS



### 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



### Cod. **ESBN-100M**

- 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
- 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



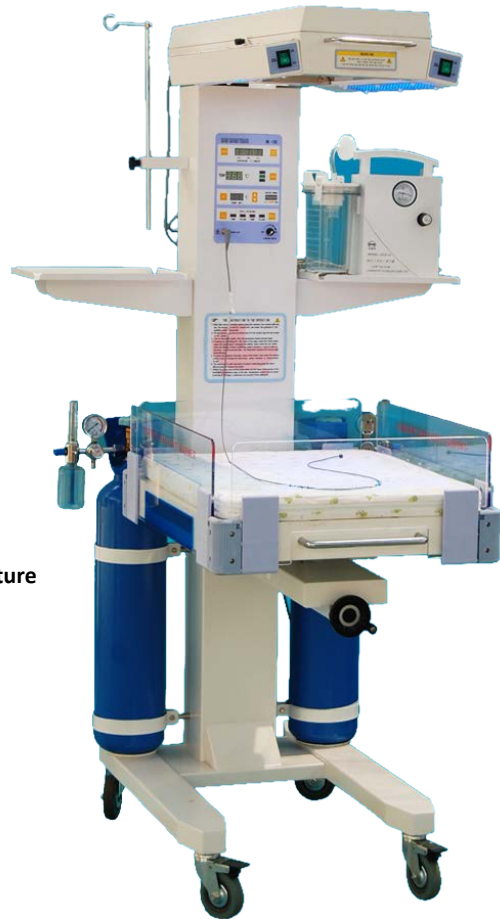


## Cod. **ESBN-100T**

- 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



## 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, Cont rol 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. Cont rol 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.



## • Optional parts of Infant F UX]UbhK Ufa Yfs



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

MODEL	ESBN-100S	ESBN-100M	ESBN-100T	ESBN-100L	ESBN-200
<b>Power</b>					
Power supply	110/220V 60/50Hz	110/220V 60/50Hz	110/220V 60/50Hz	110/220V 60/50Hz	110/220V 60/50Hz
Power input	≤ 1200VA	≤ 1200VA	≤ 1200VA	≤ 1200VA	≤ 1000VA
<b>Operating conditions</b>					
An ambient Temperature	18°C ~ 30°C	18°C ~ 30°C	18°C ~ 30°C	18°C ~ 30°C	18°C ~ 30°C
An ambient Relative Humidity	30% ~ 75%RH	30% ~ 75%RH	30% ~ 75%RH	30% ~ 75%RH	30% ~ 75%RH
Atmospheric Pressure	700 ~ 1060 hPa	700 ~ 1060 hPa	700 ~ 1060 hPa	700 ~ 1060 hPa	700 ~ 1060 hPa
<b>Technical specification:</b>					
Display	LED	LED	LED	LED	LED
An ambient Air Velocity	< 0.3m/s	< 0.3m/s	< 0.3m/s	< 0.3m/s	< 0.3m/s
Skin Temperature control	32°C ~ 38°C	32°C ~ 38°C	32°C ~ 38°C	32°C ~ 38°C	32°C ~ 38°C
Skin Temperature control accuracy	≤ 0.5°C	≤ 0.5°C	≤ 0.5°C	≤ 0.5°C	≤ 0.5°C
Mattress temperature uniformity	< 2°C	< 2°C	< 2°C	< 2°C	< 2°C
Skin temperature sensor accuracy	± 0.3°C	± 0.3°C	+ 0.3°C	+ 0.3°C	≤ 0.3°C
Air temperature	/	/	/	/	Yes
Operation light	Yes	Yes	Yes	Yes	Yes
Warm-up time	≤ 30min	≤ 30min	≤ 30min	≤ 30min	≤ 30min
Infant bed tilt angle	± 10°	± 10°	± 10°	± 10°	± 10°
APGAR timer range	≤ 24h	≤ 24h	≤ 24h	≤ 24h	≤ 24h
Timer count down	optional	optional	optional	optional	Yes
Heater head horizontal	± 90°	± 90°	± 90°	± 90°	± 90°
Mattress size	67 x 54 cm	67 x 54 cm	67 x 54 cm	67 x 54 cm	76 x 65 cm
Distance from heater to mattress	80 cm	80 cm	80 cm	80 cm	90 cm
LED phototherapy light	/	2pcs X 8W	2pcs X 8W	2pcs X 8W	/
Low pressure aspirator (built-in)	/	/	1000 ml container	1000 ml container	1000 ml container
Oxygen supply system	/	/	10L	8L	/
Height adjustable range	/	/	/	0-20cm	/
Alarm functions	Yes	Yes	Yes	Yes	Yes
Power failure	Yes	Yes	Yes	Yes	Yes
Over temperature	Yes	Yes	Yes	Yes	Yes
Temperature deviation	Yes	Yes	Yes	Yes	Yes
Temperature sensor failure	Yes	Yes	Yes	Yes	Yes
<b>Unit Package</b>					
Size	120 x 70 x 96 cm	120 x 80 x 95 cm	135 x 85 x 98 cm	120 x 70 x 110 cm	114C x 94 x 104 cm
Net weight	70 Kg	80 Kg	130 Kg	130 Kg	140 Kg
Gross weight	100 Kg	100 Kg	150 Kg	150 Kg	170 Kg
<b>Transport and storage</b>					
Environment Temperature	-40°C ~ +55°C	-40°C ~ +55°C	-40°C ~ +55°C	-40°C ~ +55°C	-40°C ~ +55°C
Environment Relative Humidity	≤ 95%	≤ 95%	≤ 95%	≤ 95%	≤ 95%
Atmospheric Pressure	500 ~ 1060 hPa	500 ~ 1060 hPa	500 ~ 1060 hPa	500 ~ 1060 hPa	500 ~ 1060 hPa



**ESSE3** srl, Via Garibaldi 30  
 14022 Castelnuovo D.B. (AT)  
 Tel +39 011 99 27 706  
 Fax +39 011 99 27 506  
 e-mail [esse3@chierinet.it](mailto:esse3@chierinet.it)  
 web: [www.esse3-medical.com](http://www.esse3-medical.com)

