

Specification for Infant incubator

Microprocessor controlled

LCD at least 7" Color TFT

Settings of

1) Air mode servo control (30.0 - 37.0°C)

Override 37.0 - 39.0°C

Display 15.0 - 45.0°C

Resolution 0.1°C

Accuracy $\pm 0.5^\circ\text{C}$

2) Baby mode servo control 35.0 - 37.0°C

Override 37.0 - 38.0°C

Display 15.0 - 45.0°C

Resolution 0.1°C

Accuracy $\pm 0.5^\circ\text{C}$

3) Humidity

Servo humidification

Setting range 40% - 90% (in 1% increments)

Display range 0% - 100%

Resolution 1%

Accuracy $\pm 10\%$

Reservoir capacity 1200 ml

4) Oxygen control (Optional)

Servo Oxygen control

Setting range 21% to 60%

Display range 21% to 100%

Resolution 1%

Accuracy $\pm 5\%$

Weighing scale Display 0 - 7Kg

Resolution 1 gram

Accuracy ± 10 gram

LCD graphical Trends

Air Temperature

Baby Temperature

Humidity

Weight

Double wall canopy

Light weight

Chamber tilting control Angle control ± 8 or 10°

Door sensing Two doors Hall sensors (Detects door is open)

Baby bed Drawable and rotatable

Noise Level within unit < 60 dB

Temperature rise time 30 minutes $\pm 20\%$ per 10°C

Air velocity over mattress < 10 cm/s At 10 cm above the center of bed

Skin Temperature probe Thermistor based Interchangeable probe

Accuracy $\pm 0.2^{\circ}\text{C}$

Over Temperature Protection Automatic cutoff of heater 39.3°C

Mobility castors with brakes

Audio and Visual alarms .

- Baby Temperature - Low/High ($\pm 5\%$)
- . Air Temperature - Low/High ($\pm 5\%$)
- . Temperature probe failure / Disconnect
- . System failure
- . Heater failure
- . Fan failure
- . Low battery
- . Main Power Failure
- . Humidity ($\pm 10\%$)
- . Oxygen ($\pm 5\%$)
- . Water reservoir empty

Visual indicators on LCD display.

- Baby Temperature
- . Air Temperature
- . Set Temperature
- . AC power
- . Oxygen %
- . Humidity %
- . Door opening

Canopy

Number of main doors 2

Number of portholes 4

Number of tubing iris ports 1

Dimensions (mm) *approximately*

800(L) x 500 (W) x 450 (H)

Infant mattress 680 (L) x 440 (W) x 40 (H)

Mattress to canopy height 310

Overall 1500 (L) x 850 (W)

Standard technical requirements

Power Working voltage 110 v or $230 \pm 10\%$ VAC 50/60Hz

Power consumption 700 W (Max)

Mode of operation Continuous

Safety class Class I, Type B

Fuse rating 4A(230V), 8A(110V), Fast Blow

Accessories Standard

- . Skin temperature probe2
- . Air temperature probe2
- . oxygen sensor (optional)
- . IV pole
- . Storage drawer
- . 1 accessory tray
- . Weighing scale
- . X-ray tray

Warranty

2 years extended warranty beyond the standard warranty

Environment Operation Storage/ Transportation(Standard Specifications)

Temperature operation 18 to 30°C, storage 0 to 50°C

Humidity (Non-condensing)Max 95% Rh, storage 0-95%

Air pressure 700 to 1060 kPa, storage 500 to 1060 kPa