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 ±0.5°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 ±0.5°C
3) Humidity
   Servo humidification
   Setting range 40% - 90% (in 1% increments)
   Display range 0% - 100%
   Resolution 1%
   Accuracy ±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 ±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 ± 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 ±0.2°C

**Over Temperature Protection** Automatic cutoff of heater 39.3 °C

**Mobility castors with brakes**

**Audio and Visual alarms.**
- Baby Temperature - Low/High (±5%)
- Air Temperature - Low/High (±5%)
- Temperature probe failure / Disconnect
- System failure
- Heater failure
- Fan failure
- Low battery
- Main Power Failure
- Humidity (±10%)
- Oxygen (±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 ±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 probe 2
- Air temperature probe 2
- 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