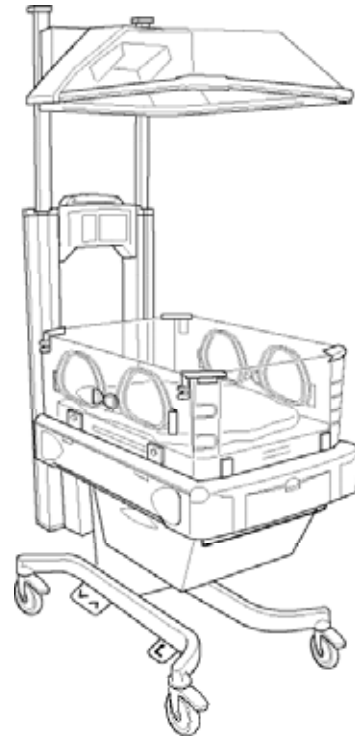


Giraffe® OmniBed®



Description and Application

The Giraffe® OmniBed® is a richly-featured neonatal micro-environment that combines the thermal advantages of a double-walled incubator with the access advantages of an open bed radiant warmer. Conversion between an incubator and an open bed warmer happens in seconds with a touch of a button. In either open or closed bed operation, the OmniBed® provides precise microprocessor controlled thermal support. Stress on the infant, staff, and family members is reduced by eliminating the need to transfer the baby between incubators and warmers. Less equipment is now required for care-giving, cleaning, service, and storage. The OmniBed® pioneered developmentally appropriate features including the patented Baby Susan™ rotating mattress and internal bed tilt.

Features and Benefits

Patient Accessibility

- Patented Baby Susan™ rotating mattress allows the clinician to rotate the mattress 360° for optimal patient access.
- Elevating base lowers for seated family members, yet elevates to accommodate taller caregivers or special procedures.

Control Unit

- Centralized display/control unit provides accessibility from either side of the bed plus excellent viewing of all equipment and patient parameters.
- Integrated trending for control settings, thermal parameters, and baby weight provides historical reference.

Additional Features

- The patented radiant warming system heats the entire extra large mattress evenly without warming the care-giver. The baby receives uniform radiant heat regardless of position, even during X-ray.
- Servo controlled humidifier provides humidity up to 95% RH.
- Optional servo oxygen control system maintains a controlled oxygen environment from 21 to 65% and reacts quickly during interventions.
- Optional in-bed scale with weight trending allows weights to be taken and trended without removing the baby.
- Pressure diffusing mattress to promote improved clinical efficiency.
- Unique Comfort Zone recommends best-practice in thermo-regulation using the neutral thermal environment.



Technical Specifications	
Dimension	
Maximum Height:	Canopy down - 70 in (177 cm) Canopy up - 94 in (238 cm)
Minimum Height:	Canopy down - 58 in (147 cm) Canopy up - 82 in (208 cm)
Footprint:	45 in x 26 in (114 cm x 66 cm)
Weight:	304 lbs (138 kg)
Floor to mattress height:	32 in to 44 in (81cm to 111 cm)
Mattress size:	26 in x 19 in (66 cm x 48 cm)
Access door size:	9 in x 31 in (23 cm x 78 cm)
Drawer size:	19 in x 20 in (48 cm x 50 cm)
Drawer depth:	8 in (20 cm)
Physical Characteristics	
Mattress tilt angle:	12°, continuously variable
Microfilter:	0.5µ - 99.8% efficiency (3M Filtrete™)
Tubing access ports:	8
Electrical Power Requirements	
Electrical Power:	9A @ 220-240V-50/60 Hz
Fuses:	(2) T 3.15A, 250V; (2) T 2A, 250V
Standards Compliance	
	IEC 601-1, 1991; IEC 601-1-2, 1993 IEC 601-2-19 + 601-2-21 (Amendment 1) Fed. Reg. 21 CFR CH-1 (4-1-92 Edition) Section 1020.30 (n) - X-ray attenuation
User Control settings	
Baby (servo) temperature control:	35-37.5°C in 0.1° increments (Regulates baby temperature in both open and closed bed modes)
Manual Radiant Power Control:	0-100% in 5% increments
Air temperature control:	20-39°C in 0.1° increments
Servo humidity control range:	30-95% rel. humidity in 5% increments
Alarm sound level:	Adjustable audible levels
System Performance	
Microprocessor-based control system:	Self test functions are performed at power-up and during normal operation
Open Bed Performance Radiant Heater Mode	
Radiant Heater:	Approx. 430 watts

Closed Bed Performance Incubator Mode	
Temperature variability and distribution:	Exceeds IEC-601-2-19 incubation standard
Patient measurement accuracy:	±0.3°C between 30° to 42°C
Air Velocity:	<10 cm/sec Whisper Quiet™ Mode closed bed, measured 10 cm above the center of the mattress
Sound level:	<50 dBa Whisper Quiet™ Mode closed bed, measured 10 cm above the center of the mattress.
Humidifier Performance	
Recovery time:	<15 minutes (typical) recovery to 75% RH with 39° C air set temperature
Operating time between refills:	>12 hours @ 65% RH control setting in a 25° C / 50% RH ambient
Reservoir capacity:	1000 ml
Accuracy:	±10% up to 85%, greater than 75% for settings over 85%.
Servo Oxygen Control Performance	
Control Range:	up to 65%
Display Range:	0 to 99%
Recovery Time:	<10 minutes to 5% below set point after open door
Alarms:	±3% from set point
Offset:	±5% average O ₂ to display
In-Bed Scale	
Operating Range:	300-8000 g 14 weight trend
Operating Environment	
Temperature:	20 to 30° C
Humidity:	10 to 95% RH (non-condensing)
Air Velocity:	Up to 0.3 m/sec
Storage/Shipping Information	
Temperature:	-25° to 60° C
Humidity:	0 to 95% RH (non-condensing)
Service and Maintenance	
Battery:	9V NiMH
Recommended Calibration/Preventative Maintenance	
Period:	Annually
Limited Warranty:	One year parts and service.

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GE imagination at work

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