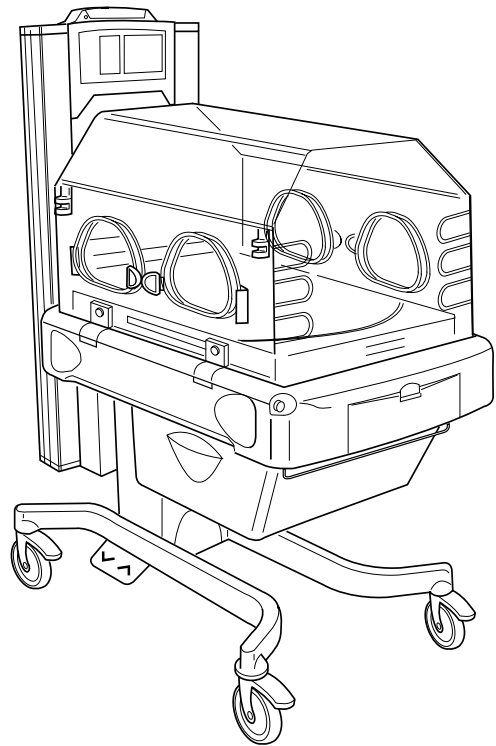


# Giraffe<sup>®</sup> Incubator



## Description and Application

The Giraffe<sup>®</sup> Incubator is an enclosed neonatal intensive care microenvironment developed using a strategy of extensive user input to best define products that meet the needs of clinicians, patients and families. Several unique features provide a developmentally appropriate environment for the patient, while decreasing stress for family and simplifying procedures for the clinician.

## Features and Benefits

### Patient Accessibility

- Patented Baby Susan<sup>™</sup> rotating mattress allows the caregiver to rotate the mattress 360° for easy patient access.
- Dual Access doors and portholes – allow access even when the bed is tilted 12°
- Centralized display/control unit provides accessibility from either side of the bed plus excellent viewing of all equipment and patient parameters.

### Bed

- Integrated X-ray cassette tray minimizes patient disturbance.
- Internally activated bed tilt is smooth and continuous through 0-12° in both trendelenburg and reverse trendelenburg positions. Bed tilt can be activated internally with one hand, allowing the caregiver to comfort the infant while changing the bed position.
- Pressure diffusing mattress to promote improved clinical efficiency.

### Additional Features

- Optional servo oxygen control system maintains a controlled environment.
- Controlled servo humidification
- Integrated trending for control settings, thermal parameters, and baby weight provides historical reference.
- Elevating base accommodates standing caregivers and seated family, even those seated in wheelchairs.
- Optional in-bed scale with weight trending allows weights to be taken and trended without removing the baby.
- Unique Comfort Zone recommends best-practice in thermo-regulation using the neutral thermal environment.



Technical Specifications	
<b>Dimensions</b>	
Max Height:	70 in (177 cm)
Min Height:	58 in (147 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 (81 cm to 111 cm)
Mattress size:	26 in x 19 in (66 cm x 48 cm)
Access door size:	11 in x 31 in (27 cm x 78 cm)
Drawer size:	19 in x 20 in (48 cm x 50 cm)
Drawer depth:	8 in (20 cm)
<b>Physical Characteristics</b>	
Mattress tilt angle:	12°, continuously variable
Microfilter:	0.5µ - 99.8% efficiency (3M Filtrete™)
Tubing access ports:	13
<b>Electrical Power Requirements</b>	
Electrical Power:	9A @ 115V-50/60 Hz
Fuses:	(2) T 3.15A, 250V (2) T 2A, 250V
<b>Standards Compliance</b>	
	IEC 601-1, 1991 IEC 601-1-2, 1993 IEC 601-2-19 (Amendment 1) Federal Regulation 21 CFR CH-1 (4-1-92 Edition) Section 1020.3(n) - X-ray Attenuation
<b>User Control Settings</b>	
Baby (servo) temperature control:	35-37.5°C in 0.1° increments
Air temperature control:	20-39°C in 0.1° increments
Servo humidity control range:	30-95% relative humidity in 5% increments
Alarm sound level:	Adjustable audible levels
<b>System Performance</b>	
Microprocessor-based control system:	Self test functions are performed at power-up and during normal operation
Temperature variability and distribution:	Exceeds IEC-601 -2-19 incubator standard
Patient measurement accuracy:	±0.3°C between 30° and 42°C

Air Velocity:	<10 cm/sec Whisper Quiet™ Mode, 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.
<b>In-Bed Scale Performance</b>	
Operating Range:	300-8000 grams
Accuracy:	±10 grams
Resolution:	5 or 10 gm increments (adjustable)
<b>Humidifier Performance</b>	
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 75%, greater than 75% at settings over 85%
<b>Servo Oxygen Control Performance</b>	
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 <sub>2</sub> to display
<b>Operating Environment</b>	
Temperature:	20 to 30° C
Humidity:	10 to 95% RH (non-condensing)
Air Velocity:	Up to 0.3 m/sec
<b>Storage/Shipping Information</b>	
Temperature:	-25° to 60° C
Humidity:	0 to 95% RH (non-condensing)
<b>Service and Maintenance</b>	
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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