

Giraffe Warmers

For Neonatal Intensive Care

Helping make sick babies well...

The Giraffe® Warmer is designed to meet the needs of the NICU patient and clinician along with the Giraffe Incubator and Giraffe OmniBed®. The revolutionary heater design eliminates a large overhead heater making it easier to observe the patient and perform procedures such as X-ray examinations and even surgery. Silence alarms using the new Hands Free Alarm Silence. A brilliant full color control panel displays patient parameters and trending. The Giraffe Warmer eliminates alarms during Warmup Mode so you can warm the bed before the baby arrives without disturbing other patients, family or clinicians. Integrated resuscitation and SpO₂ options support the latest resuscitation guidelines. Weighing your baby can be a difficult procedure, but with our integrated in-bed scale option you can weigh the baby at the bedside and easily chart daily weight trends.



Technical Specifications

Giraffe Warmer

- Height: (adjustable) 193-218 cm (76-86 in)
- Depth: 119.4 cm (47 in)
- Width: 63.5 cm (25 in)
- Weight: Approx. 100 kg (220 lbs)
- Standard 2 Drawer: 6.8 kg (15 lbs)
- Standard Deep Drawer: 6.8 kg (15 lbs)
- Footprint: 119.4 x 63.5 cm (47 x 25 in)
- Floor Space: 7,582 sq cm (1,175 sq in)
- Mattress Size: 65 x 48 x 4 cm (25.5 x 19 x 1.5 in)
- Bed to Floor (fixed base): 83.8-107.9 cm (33-42.5 in) with 4 cm (1.6 in) fixed increments
- Bed to Floor (elevating): 83.8-107.9 cm (33-42.5 in)
- Bed Capacity: Patient weight up to 13.6 kg (30 lbs)
- Bed Tilting: $\pm 12^\circ$ continuous tilt; Bubble level indicates level bed

Operational Environment

Giraffe Warmer

- Operating Temp. Range: 18°C to 30°C
- Operating Humidity Range: 5% to 75%
- Storage Temp. Range: -25°C to +60°C
- Storage Humidity Range: 0% to 85%

Resuscitation Unit

- Operating Temp. Range: 18°C to 41°C
- Operating Humidity Range: 0% to 90%
- Storage Temp. Range: -25°C to +60°C
- Storage Humidity Range: 0% to 95%
- Storage Pressure Range: 50 kPa to 106 kPa

Electrical Power Requirements

- 115VAC, 50/60 Hz Models:
115V $\pm 10\%$; 6.6 Amps
- 220-240 VAC, 50/60 Hz Models:
230 V $\pm 10\%$; 3.3 Amps*

- Nominal Power Consumption: 520W at max. heater power, max. lighting
- Complies with IEC 60601-1 for electrical safety

Integrated Resuscitation Characteristics

- Input pressure: 40-75 psi (275-517 kPa)
- Minimum Input Flow: 70 lpm

Venturi Vacuum Subsystem

- Range: 0-150 mmHg
- Accuracy: $\pm 5\%$ of full scale

Adjustable PIP (For T-Piece Resuscitation System only)

- Maximum PIP: 45 ± 5 cmH₂O
- Override: $> 30 \pm 4$ cmH₂O
- Flow Capacity: 15 lpm

Flowmeters

- Range: 0-15 lpm
- Accuracy:
0-5 lpm $\pm \frac{1}{2}$ lpm
5-10 lpm ± 1.5 lpm
10-15 lpm ± 2 lpm

Air/O₂ Blender

- Range: 21-100% O₂
- Accuracy: $\pm 5\%$ O₂

Airway Pressure Manometer

- Display Range: -10 to 80 cmH₂O
- Accuracy: $\pm 5\%$ of full scale

Integrated SpO₂ Characteristics

Masimo SET Technology

- Measurement Range:
SpO₂: 30-100% SpO₂
Pulse Rate: 25-240 bpm
- SpO₂ Accuracy:
From 70-100% SpO₂, ± 3 digits for neonates. Below 69%, unspecified.
- Pulse Rate Accuracy:
No motion: ± 3 bpm
Motion: ± 5 bpm

Integrated Scale Characteristics

- Accuracy: ± 10 g (0.35 oz)
- Range: 300 g to 8 kg (0.66 lbs to 17.6 lbs)

System Control Characteristics

- Full Color Display: 16.5 cm (6.5 in)
- Observation Lights: 2 dimmable halogen lights (35 W each), 0-1500 lux average
- Procedure Light: 50 W, 2000 lux average; estimated life 3000 hrs based on manufacturer's rating

Warmup Mode

- Automatically started at power up
- Heater operates at 100% power for 7 minutes, then reverts to 50% power
- Check patient alarms eliminated during Warmup mode

Microprocessor Based Control System

- Self-test function performed at power on and continuously during operation
- Heater Warmup Time at 100% Power: less than 3 minutes
- Heater Element: 360 watts
- Heater Output: adjustable from 0-100% in 5% increments
- Patient Control (Baby) Mode: 34°C to 37.5°C in increments of 0.1°C (95°F to 99.5°F)
- Manual Mode: Indicates manual mode heat selection range from 0 to 100% in 5% increments
- Temperature Measurement Accuracy: $\pm 0.3^\circ\text{C}$
Resolution: $\pm 0.1^\circ\text{C}$
- Probe Accuracy: $\pm 0.1^\circ\text{C}$
Range: 30-42°C (71.6-107.6°F)

*International specification, not available in the USA

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