

Giraffe™ OmniBed™ Carestation



Combining Technology and Experience to
Send Babies Home Healthy





Healthy Growth and Development is a Journey

The first moments of a baby's life are filled with joy. Yet, in those instances when a newborn requires extra care in the NICU, it can also be a time of anxiety for parents and one of intensity for caregivers.

At GE Healthcare we are committed to making the path toward sending babies home as safe, comfortable and quick as possible through advanced technology. Designed with babies, and their families in mind, the Giraffe OmniBed Carestation creates a controlled, protected microenvironment for peaceful, fast healing—bringing babies one step closer to caregivers' expertise, their parents' embrace and to going home healthy.

From delivery to discharge, the Giraffe OmniBed Carestation is designed to address the changing and complex demands of the NICU, providing:

- Comfortable, consistently controlled thermal environments
- Continuous warmth during transport with the addition of the Giraffe Shuttle™
- Neurodevelopmentally supportive, family-centered care solutions
- Improved patient access and visibility
- User-friendly, high tech features and functionality
- Reliable clinical performance

Everything You Need, Every Step of the Way

GE Healthcare wrote a new chapter in high acuity neonatal care when it pioneered The Giraffe Family—including its market leading Giraffe OmniBed combination incubator and radiant warmer. The next generation Carestation adds to the Giraffe story, building on the first-of-its-kind product portfolio and combining technology with expertise to promote natural healing.



Empowering Caregivers' Expertise

In critical care environments when every second counts, technology needs to work for you. The Giraffe OmniBed Carestation simplifies and enhances the clinical workflow by providing caregivers the intuitive and reliable neonatal solution they need to manage babies toward better health.

The Best of Both Worlds

A full-featured incubator and radiant warmer in one, there is no other bed like this one.

As an **incubator**, one touch activation of the Air Boost protects the baby from heat loss when either panel is opened to support thermal stability.

As a **radiant warmer**, the baby receives uniform heat, without warming the caregiver. As an incubator or warmer, the Giraffe OmniBed Carestation combines advanced technology, exceptional performance and innovative design to provide enhanced care for the baby every step of the way.

Low noise fan and comfortable **pressure-diffusing mattress** offer babies the soothing environment they need to rest and heal. The pressure-diffusing mattress reacts to the impact of the baby's body, reducing pressure points while decreasing motion and disruption, and increasing comfort. The **patented translating Baby Susan™ rotating mattress** enhances productivity by allowing the caregiver to easily position the baby for clinical procedures, improving their efforts to get it right the first time and reducing unnecessary baby stimulation.



Large color display (10.4 inches) and touchscreen user interface helps caregivers streamline their workflow while monitoring and controlling the baby's environment.



Customized screens contribute to the personalized, patient- and family-friendly care environment while providing continued visual monitoring.



Hands-free alarm silence allows caregivers, with a wave of their hand, to turn off the alert without requiring additional caregiver response—or disturbing the baby.

Bonding with the baby is effortless whether in closed bed mode through the port holes or open panel access, or open bed mode with its **robust canopy lift**.



Connectivity capabilities allow communication with electronic healthcare records and hospital information systems; it is equipped for future updates and upgrades.

Enabling Parents' Embrace

When it comes to a baby's growth and development, parental touch—and peace-of-mind—can make all the difference. The Giraffe OmniBed Carestation gives parents the access and assurance they need to nurture and guide their baby through the journey of life's first critical moments.

Babies are our future, and we'll do everything we can to be sure we're helping them thrive from day one.

The Giraffe OmniBed Carestation is just one way we're able to do just that. It seems so simple, but means so much.

GE Healthcare works with caregivers and parents to help babies grow, develop and go home healthy.

We are on this journey together!



Dimensions

Maximum height	
Canopy down:	70 in (178 cm)
Canopy up:	94 in (239 cm)
Minimum height:	
Canopy down:	60 in (152 cm)
Canopy up:	82.3 in (209 cm)
Footprint:	45 in x 26 in (114 cm x 66 cm)
Weight:	328.5 lb (149kg)
Floor to mattress height:	33 in to 43 in (84 cm to 109 cm)
Mattress size:	25.5 in x 19.2 in (64.8 cm x 48.8 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

Full Color Touch Display:	10.4 inch (26.4 cm) LCD
Mattress tilt angle:	12°, continuously variable
Microfilter:	0.5µ - 99.8% efficiency (3M Filtrete™)
Data collection:	RS-232
Tubing access ports:	8

Power Requirements

11.5 A @ 100v ~, 50/60 Hz	2 A @ 100v ~, 50/60 Hz (Acc. Outlet)
9.5 A @ 115v ~, 50/60 Hz	2 A @ 115v ~, 50/60 Hz (Acc. Outlet)
5.5 A @ 220v ~, 50/60 Hz	1A @ 220v ~, 50/60 Hz (Acc. Outlet)
5.5 A @ 230v ~, 50/60 Hz	1 A @ 230v ~, 50/60 Hz (Acc. Outlet)
5.5 A @ 240v ~, 50/60 Hz	1A @ 240v ~, 50/60 Hz (Acc. Outlet)

Inrush for 1/2 cycle current <80 A

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% relative humidity in 5% increments

System Performance

Expected Service Life:	The device is designed to last at least 7 years in normal use when operated, maintained, and serviced in accordance with the instructions provided in the provided manuals. With proper maintenance and repairs, the service life can be extended as long as service parts are available.
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Open Bed Performance, Radiant Heater

Mode:	
Radiant Heater Element:	450-480 watts

Closed Bed Performance, Incubator

Mode:	
Patient measurement accuracy:	±0.3°C between 30° and 42°C
Air velocity:	≤10 cm/sec WhisperQuiet™ Mode
CO ₂ level:	0.3%
Sound level (within patient compartment):	Average 40 dBA (In Whisper Quiet™ mode closed bed sound level measured 10 cm above the center of the mattress)

Alarm sound level:	Adjustable audible levels
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In-Bed Scale Performance

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

Resolution:

10 g (Factory setting) or 5 g (user selectable on non-EU scales)

The resolution of scales distributed in the EU region may vary depending on the scale revision:

Scales with revision 2.72 only	have a resolution option of 10 g.
Scales with revision 2.86	have a resolution of 5 g for weights up to 5 kg and a resolution 10 g for weights from 5 kg to 8 kg.

The resolution on EU scales with software 2.86 and above is not user selectable.

Note: For the European Union (EU) and the European Free Trade Association (EFTA) member states in Europe, check with your local regulations with respect to the Non-Automated Weighing Instrument (NAWI) directive as to the process and frequency for scale calibration.

Servo Oxygen Control Performance

Control range:	21% to 65%
Display range:	16 to 70%
Rise Time:	<10 minutes from 5% below set point in Whisper Quiet Mode after open door
Recovery from opening porthole:	≤ 5 minutes from closing porthole to 5% below set point
Alarms:	±3% from set point
Accuracy 5%	Inlet Pressure Maximum 620 kPa (90 psi)
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
Servo Control Accuracy:	±10% for settings up to 85%: minimum 75% for settings >85%
Ramp-up time:	≤50 minutes - Time to reach 75% RH with a 39°C control temp from cold start in 25° C, 50% RH room.

Operating Environment

Temperature:	20° to 30°C
Humidity:	5 to 85% RH (non-condensing)
Air Velocity:	Up to 0.3 m/sec
Water Ingress:	IPXO

Storage/Shipping Information

Temperature:	-25° to 60°C
Humidity:	≤85% RH (non-condensing)
Pressure:	50-106 kPa

Service and Maintenance

Battery:	8.4V NiMH
Recommended Calibration/Preventative Maintenance Period:	Annually
Limited Warranty:	One year parts and service

**International specification, not available in the USA*

GE Healthcare provides transformational medical technologies and services that are shaping a new age of patient care.

Our broad expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, biopharmaceutical manufacturing technologies, performance improvement and performance solutions services help our customers deliver better care to more people around the world at a lower cost.

In addition, we partner with healthcare leaders, striving to leverage the global policy change necessary to implement a successful shift to sustainable healthcare systems.

Giraffe OmniBed Carestation CS1



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