

Giraffe Incubator Carestation



Creating the Path to Positive Growth
and Neurodevelopment





Small but Mighty – Empowering Babies’ NICU Journey

For every precious baby welcomed into the world, it is everyone’s mission to send them home as safe, healthy and fast as possible. At GE Healthcare, it’s our job to help create controlled, protected neonatal environments for peaceful, fast healing.

GE Healthcare’s Giraffe™ Incubator Carestation is designed to:

- Create a healing environment, combining state-of-the-art technology, innovative design and exceptional thermal performance to help newborns thrive
- Promote a healthy, nurturing connection between babies and their families, allowing parents comfortable, easy access to their babies and family-friendly information about the babies' progress
- Offer clinicians enhanced visibility, trending and interaction with their tiniest baby with integrated features, including the translating and rotating mattress, elevating base and the optional in-bed scale
- Provide continuous warmth during transport with the addition of the Giraffe Shuttle™

Specifications

Dimensions

Maximum height (bed raised):	70 in (178 cm)
Minimum height (bed lowered):	60 in (152 cm)
Footprint:	45 in x 26 in (114 cm x 66 cm)
Weight:	304 lbs. (138 kg)
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)
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™)
Tubing access ports:	13
Data collection:	RS-232

Power Requirements

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

System Performance

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.

Self-test functions are performed at power-up and during normal operation.
25 x 30 cm (light-emitting area)

Patient measurement accuracy:	±0.3°C between 30° and 42°C
Air velocity:	<10 cm/sec Whisper Quiet™ Mode
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)
CO ₂ level:	0.3%
Alarm sound level:	Adjustable audible levels

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
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:	IPX0

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

Stepping Stones to Babies' Milestones

Part of GE Healthcare's renowned Giraffe Family of innovative products, the Giraffe Incubator Carestation provides powerful technology to promote the growth and stability of the most fragile babies, every step of the way.



The Warming Touch of Care

The Giraffe Incubator Carestation simplifies—and enhances—the care continuum by offering clinicians the intuitive and reliable neonatal solution they need, and parents the access and support they want to steer babies toward better health. Features include:

- Air boost protects the baby from heat loss when either panel is opened to support thermal stability
- Large color display (10.4") and touchscreen user interface helps clinicians streamline their workflow while monitoring and controlling the baby's environment
- Hands free alarm silence allows clinicians to quickly silence the alarms while providing care and maintaining a quiet environment
- Patented Baby Susan rotating mattress enhances productivity by allowing the clinician to easily position the baby for clinical procedures, optimizing their efforts to get it right the first time and minimizing unnecessary baby stimulation
- Pressure diffusing mattress reacts to the impact of the baby's body, reducing pressure points while minimizing motion and disruption and maximizing comfort
- Connectivity capabilities allow communication with electronic healthcare records and hospital information systems; it is equipped for future updates and upgrades
- Customized screens contribute to the personalized, patient- and family-friendly care environment while providing continued visual monitoring

Newborns in the NICU need extra special care from clinicians and their families. One of the most advanced, neurodevelopmentally supportive microenvironments, the Giraffe Incubator Carestation is specially designed to give babies the comfort and stability they need to grow, heal and go home healthy.

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 Incubator Carestation CS1



© 2018 General Electric Company - All rights reserved.

GE Healthcare reserves the right to make changes in specifications and features shown herein, or discontinue the product described at any time without notice or obligation. Contact your GE Healthcare representative for the most current information. GE and the GE Monogram, are trademarks of General Electric Company. GE Healthcare, a division of General Electric Company. Giraffe and Carestation are trademarks of General Electric Company, GE Medical Systems, Inc., doing business as GE Healthcare. All other product names and logos are trademarks or registered trademarks of their respective companies.

GEA31662C (09/2018)

JB28330XX(3)