

GE Healthcare

Lullaby Incubator XP Neonatal Intensive Care

Better care for baby, greater efficiency for you



Everything baby needs, right at hand

The latest generation of Lullaby™ Incubator XP technology provides proven performance with upgraded functionality that enables even better clinical workflow.

The Lullaby Incubator XP from GE Healthcare is designed to help you manage the complex needs of fragile infants. Its advanced microenvironment operates simply and efficiently so that your clinical staff can focus on direct patient care rather than system operation.



NOT COMMERCIALY AVAILABLE IN THE UNITED STATES.
NOT CLEARED BY THE U.S. FDA.

At-a-glance controls

Caregivers can view skin, air and set temperatures with just a glance at the control panel. Relative humidity and other system parameters can be monitored and displayed at the push of a button. The system continues uninterrupted monitoring in the event of a power failure, with all functions – temperature, humidity and oxygen – available for about 30 minutes.

Consistent humidity and oxygen levels

The Lullaby Incubator XP helps to maintain a stable microenvironment. Available servo control systems automatically adjust the oxygen and humidity outputs to remain at user-programmed levels. As a result, caregivers can have greater confidence in the stability of baby's environment and spend less time visually monitoring system read-outs.



Supporting reliable oxygen delivery

The incubator can be equipped with an airflow limiting system to support oxygen delivery. When pure oxygen is being used, the fresh air intake automatically closes to maintain high oxygen concentrations. If the oxygen supply is interrupted for any reason – an empty tank or blocked supply line, for example – the incubator automatically allows fresh air in to avoid CO₂ build-up in the infant compartment. You can also add an oxygen monitoring system to provide a continuous display of oxygen levels.

Exceptional access for caregivers and family

The Lullaby Incubator XP is designed so that the baby is easily accessible to caregivers and family, enhancing the safety, efficiency and effectiveness of care:

- Elevating base lets you easily adjust the height of the incubator to match that of the caregiver. The smooth, vibration-free mechanism eliminates awkward bending and reaching, operating quietly so baby is not disturbed.
- Six portholes enable the infant to be reached from virtually any angle. You can also add a new rear access door to provide another means for immediate access.
- Slide-out mattress tray and adjustable tilt mechanism facilitate repositioning of the infant.



Put equipment in its place

There's a place for everything and everything's in its place with Lullaby Incubator XP.

- Built-in X-ray cassette tray and optional integrated in-bed scale promote developmental care and reduce the physical demands on the infant during procedures.
- Sturdy dovetail rail system allows for easy and flexible mounting of accessories.
- Innovative tubing management arm and syringe holder give you "extra hand" to keep all of the equipment tubes and wires out of your way and support syringe during gravity tube feeding process, respectively.
- Easily accessible drawers provide essential storage space for diapers, blankets and other accessories.



Heat in, stimulation out

The system's double-wall clear acrylic hood conserves heat while enabling an unobstructed view of the infant. The new hood cover – which looks like a cozy little quilt – enables you to shut out ambient sources of negative stimulation, like light and noise, to provide a more soothing developmentally friendly environment.

Engineered for quiet

Lullaby Incubator XP creates a quiet environment that enhances the comfort and progress of fragile infants with:

- Low sound levels - <50dBA in normal use
- Quiet latches for the portholes
- Low vibration and noise when operating the elevating base



Meeting safety standards and enhancing infection control

Protecting the health and safety of infants is your first concern. The Lullaby Incubator XP complies with all applicable international quality standards of the International Electrotechnical Commission (IEC), providing a safety-tested choice for your neonatal intensive care area. The system also supports your infection control efforts. Unit surfaces are designed for swift, thorough cleaning, and the detachable humidification chamber removes easily for manual disinfecting or autoclaving.

GE Healthcare is committed to expanding access to high quality care for mothers and infants worldwide. Like you, we want to do everything possible to help premature and sick infants move from neonatal intensive care and back with the families as quickly as possible. The next-generation Lullaby Incubator XP system is designed to help you fulfill that mission – for every baby, every mother, everywhere.

To learn more about the Lullaby Incubator XP, contact your local GE sales representative or visit us at gehealthcare.com

Technical Specifications

Lullaby Incubator XP Standard Features

- Double wall canopy with large foldable door
- Control module (with Relative Humidity digital display)
- Large mattress
- Slide-out mattress tray with x-ray tray
- Passive humidity control system
- Passive Oxygen system
- Tilt mechanism
- Air curtain
- Skin temperature probe (reusable)
- Air probe (with dual air temperature sensor and humidity sensor)
- Air filter
- Oxygen filter
- Water reservoir with water level indicator
- Lateral protection rail

Dimensions

Infant compartment (usable space):	88 cm W x 33 cm H x 45 cm D
Mattress:	65 cm W x 39 cm D
Front access door:	70 cm W x 34 cm H
Rear access door:	70 cm W x 35 cm H
Storage: 2 drawers	Drawer depth- 17 cm Drawer volume - 17000 cc
External dimensions:	128 cm H x 108 cm W x 60 cm D
Mattress to hood height:	33 cm (with double wall)
Bed height:	950 mm (with fixed base) 930 mm-1130 mm (with elevating base)

Physical Characteristics

Weight:	91 kg
Mattress tilt angle:	±12°, continuously variable
Airfilter:	0.35 µm – 99%
IV ports:	8
Portholes:	6

Electrical Power Requirements

- 230 ±10% VAC 50/60Hz
 - 115±10% VAC 50/60 Hz
- Power consumption:
- 600 VA (with elevating base)
 - 460 VA (without elevating base)

Standards Compliance

- IEC 60601-2-19:1990 + A1:1996
- IEC 60601-1:1988 + A1:1991 + A2:1995

User Control Settings

Skin (baby) temperature control:	34–38°C in 0.1° increments
Air temperature control:	20–39°C in 0.1° increments

System Performance

Microprocessor-based control system:	Displays air, skin, and control temperature along with relative humidity and optional servo oxygen/humidity functions.
Temperature variability:	<0.5°C

Patient temperature measurement accuracy:	±0.3°C @ 15°C to 45°C
Air velocity:	<15 cm/sec
Sound level:	<50 dBA (under test conditions)

In-Bed Scale* (Optional) Performance

Operating Range:	0-8500 grams
Accuracy:	±5 grams
Resolution:	5 grams

Humidifier Performance

Reservoir capacity:	1400 ml
Accuracy:	±5%, up to 60% (in 40% RH and 24°C ambient conditions)

Servo Humidity Control (Optional) Performance

Control range:	30% - 95% with 1% increment
Recovery time:	<30 mins, from 50% to 80% RH @ 36°C cabin temperature
Reservoir capacity:	1000 ml
Accuracy:	±5%, up to 95%
Alarms:	±5%

Servo Oxygen Control (Optional) Performance

Control range:	20% - 65% with 1% increment
Display range:	5% - 99.5%
Recovery time:	<5 mins at 58.5%
Alarms:	±2%

Operating Environment

Temperature:	18° to 30°C
Humidity:	5% to 95% RH (non-condensing)

Service and Maintenance

Battery:	2X3.7V 1800mAh Li-Ion (In series)
Battery for Real-Time Clock - NVRAM:	3V Li CR1220
Recommended calibration/preventative maintenance period:	Annually
Limited warranty:	One year parts and service

Options and Accessories

- Elevating base
- Servo humidity control system
- Servo oxygen and servo humidity control (with DISS or NIST or AirLiquide Inlet system)
- Storage drawers
- In-bed scale*
- Dual skin temperature probe
- Rear access door
- Dovetail column
- IV pole
- Monitor shelf
- Porthole wristlet
- Oxygen monitoring system
- Airflow limiting system: To limit fresh air flow to save oxygen consumption
- Hood cover
- Tubing management arm
- Utility pole

* Not available in all countries

Quality for every baby, every facility

At GE Healthcare, we share your commitment to providing high quality care for all mothers and babies. Our growing portfolio of Lullaby phototherapy and microenvironment products enables you to bring advanced technology to the healthcare needs of newborns and infants, while effectively managing the cost of care.

About GE Healthcare

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 to 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.

Our “healthymagination” vision for the future invites the world to join us on our journey as we continuously develop innovations focused on reducing costs, increasing access and improving quality around the world.

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GE imagination at work

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