

ABOUT

The **Natus NatalCare ST-LX** is an intensive care incubator used to maintain stable temperature and humidity for newborns. It provides a controlled and isolated environment for infants who need extended care in NICU or pediatric intensive care units. The system includes a large LCD display for clear data readouts and supports operation for either single infants or twins. Safety and reliability are central to its design, with electronic control systems and multiple alarms to protect the patient.

FEATURES

- **Temperature Control:** Operates in two modes — Skin Mode and Air Mode.
- **Access and Visibility:** Equipped with four foldable 180° care doors, five oval hand ports, and a double-wall hood that maintains thermal stability.
- **Display:** The built-in graphic LCD screen shows temperature readings, system settings, and module status.
- **Alarm Systems:** Includes both visual and audible alarms for temperature deviation, power failure, air flow interruption, and overheating.
- **Tilting Function:** Electronic mechanism adjusts the bassinet angle up to $\pm 15^\circ$ for positioning and patient care.
- **Optional Modules:** Can include servo-controlled oxygen (21–80%), servo-controlled humidity (40–95%), and an electronic weighing scale with an 8000 g capacity and ± 5 g accuracy.
- **Dual Temperature Probes:** Supports two probes (T1 and T2) for use with twins or for monitoring different body points on one infant to assess temperature variation.



SPECIFICATIONS



DIMENSIONS

Height: 53.1 in (135 cm)

Width: 41.3 in (105 cm)

Depth: 23.6 in (60 cm)

Weight: 172 lbs (78 kg)

Baby Compartment

- **Height:** 15.7 in (40 cm)
- **Width:** 31.5 in (80 cm)
- **Depth:** 18.9 in (48 cm)

Mattress Area

- **Width:** 24 in (61 cm)
- **Depth:** 15.7 in (40 cm)

Bassinet Tilting: $\pm 15^\circ$ electronic tilt

ENVIRONMENTAL CONDITIONS

Operating Temperature: 64.4°F to 86°F (18°C to 30°C)

Operating Humidity: 50% $\pm 5\%$ (non-condensing)

Storage Temperature: 40°F to 110°F (4°C to 43°C)

TEMPERATURE CONTROL & PERFORMANCE

Air Control Range: 68°F to 98.6°F (20°C to 37°C),
override to 102.2°F (39°C)

Skin Control Range: 93.2°F to 98.6°F (34°C to 37°C),
override to 100.4°F (38°C)

Temperature Accuracy: $\pm 0.6^\circ\text{F}$ ($\pm 0.3^\circ\text{C}$)

Temperature Resolution: 0.1°F (0.1°C)

Warm-up Time: Approximately 30 minutes

POWER SUPPLY

Input Voltage: 120 V~ or 230 V~, 50/60 Hz

Power Consumption: 12 A (120V~), 6 A (230V~)

Maximum Load: 345 VA