

# Giraffe Shuttle

The power to provide continuity of care

The Giraffe Shuttle is a transportable power source that is an accessory to Giraffe and Panda<sup>1</sup> beds. It connects to the bed and provides electrical power to the bed and other auxiliary equipment, as well as provisions for medical gas management, required for patient care during intra-hospital transport.<sup>2</sup> The Giraffe Shuttle facilitates the mobility of these beds within a hospital building.

This reduces the potential for clinical problems associated with intra-hospital transport that result from interrupted patient thermal regulation. It also eliminates the need to transfer the infant to and from a transport incubator, reducing the potential for clinical problems associated with patient touch, handling and movement within a hospital building.



<sup>1</sup> The Giraffe Shuttle is not intended for use on Panda IWS platform.

<sup>2</sup> The Giraffe Shuttle is not intended for use outside of the hospital building or in any area where fluctuation in temperature, exposure to water, or other hazards may occur.



# Giraffe Shuttle

## The next generation of intra-hospital transport

The Giraffe Shuttle offers up to 45 minutes of electrical power to Giraffe or Panda beds, allowing you to provide continuity of care for sick babies while helping to set a new paradigm for simplified efficient infant transport within a hospital building.

- **Eliminate the need to transfer a baby from bed-to-bed.**  
The Giraffe Shuttle, in combination with the Giraffe or Panda bed, helps reduce the potential for clinical problems that can result from interrupted patient thermal regulation, patient touch, handling and movement, potentially challenging physiological stability when moving babies to and from a transport incubator.
- **Customize your intra-hospital transport system.**  
The Giraffe Shuttle provides the capability to mount various accessories and auxiliary equipment.
- **Enjoy maneuverability.** The Giraffe Shuttle connects smoothly with any Giraffe or Panda bed. Designed to make it easier for you to steer the bed in tight spaces, through doorways, down hallways, and around corners.
- **Achieve workflow efficiency.** In addition to all of its clinical advantages, the Giraffe Shuttle can help save time spent on transferring a baby from one bed to another and cleaning those beds.



## No more bed-to-bed transfers



The Giraffe beds combined with Giraffe Shuttle eliminate the stress of moving sick babies from one bed to another.

## One Baby. One Bed.

Consider this scenario: the next time you get notified about a high-risk delivery, just connect the Giraffe Shuttle to the Giraffe OmniBed, bring it to Labor and Delivery and admit the baby into a Giraffe OmniBed for a simplified journey from the Labor and Delivery to the NICU.

One Baby. One Bed. It's that easy. Use the same streamlined approach to move the baby from the NICU to other care areas within the same hospital building, when needed.



Giraffe Shuttle with Giraffe OmniBed

Need to leave the NICU for a scheduled procedure or diagnostic study? There's no need to disturb the baby.

Just connect the Giraffe Shuttle to the Giraffe Incubator to move the baby to the desired care area within the same hospital building.



Giraffe Shuttle with Giraffe Incubator

The Giraffe Shuttle provides power to the Giraffe Warmer, enabling clinicians to transport the baby already in the warmer from one care area to another.



Giraffe Shuttle attaching to Panda Warmer

# Specifications

The Giraffe Shuttle is a latex-free device.

## Input Power Requirements

VAC Voltage	Frequency in Hz $\pm 3$ Hz	Max. Current (Amperes)
115 $\pm 10\%$	50	12
	60	
220~240 $\pm 10\%$	50	9
	60	

## Environmental Requirements

- Shipping temperature:
  - 25°C to +38°C (stackable packaging)
  - 25°C to +45°C (non-stackable packaging)
- Shipping relative humidity:
  - 0 to 85% RH (non-condensing)
- Storage temperature:
  - 25°C to +45°C
- Storage relative humidity:
  - 5% to 85% (non-condensing)

Storage condition is considered after the packaging material has been removed.

- Operating temperature:
  - +18°C to +30°C
- Operating relative humidity:
  - 5% to 95% (non-condensing)
- Operating pressure:
  - 106 to 70 kPa (sea level to 3048m)

## Estimated Battery Life<sup>3</sup>

Typical Use Scenario and Power Loads	Giraffe Shuttle Output Power (VA)	Runtime (min)	Cycles <sup>5</sup>
<ul style="list-style-type: none"> <li>Giraffe Warmer or Panda Warmer at 60% heater power pre-warmed using hospital wall outlet.</li> </ul>	250	45	>365
<ul style="list-style-type: none"> <li>Giraffe Incubator or Giraffe OmniBed (closed) pre-warmed to 37°C.</li> <li>Giraffe OmniBed (open) at 60% heater power pre-warmed using hospital wall outlet.</li> </ul>	350	45	>365
<ul style="list-style-type: none"> <li>Normal load condition – the bed<sup>4</sup> is pre-warmed prior to connecting to the Giraffe Shuttle and with accessories (150 VA).</li> </ul>	400 – 500	45	>365

<sup>3</sup> Batteries are a fixed life storage device. As such, the use and care of the batteries will greatly affect battery life. Heavy loads and long run times will drastically reduce the life of the batteries. Refer to the product labeling for additional information.

<sup>4</sup> The bed – Giraffe OmniBed, Giraffe Incubator, Giraffe Warmer, Panda Warmer

<sup>5</sup> A cycle is a 45 minute runtime for a Giraffe Shuttle used with a pre-heated bed and accessories (total of 500VA, normal load condition).

## Battery Specifications

12 volt, 42 Ah, valve regulated, sealed (nonspillable), lead acid battery quantity 2, connected in series

## Giraffe Shuttle Output Power

The maximum power output of the Giraffe Shuttle is 775 VA.

Giraffe Shuttle Output Voltage (Battery)	
VAC Voltage	Frequency in Hz $\pm 3$ Hz
115 $\pm 5\%$	50
	60
230 $\pm 5\%$	50
	60

While operating off wall power, input voltage and frequency is passed through the Giraffe Shuttle. No power conditioning occurs. The Giraffe Shuttle will generate AC power only if the AC main voltage drops below 50% of the input voltage.

## Mechanical Specifications

- Height: 1367 mm
- Width: 638 mm
- Length: 890 mm
- Weight: 126 kg

## Standards

- UL 60601-1
- IEC 60601-1
- IEC 62040-1-1
- ISO 19054, with exception claim to clause 5.2.7.2. Slight deformation of rail occurs after application of 500 N.
- CSA C22.2 No. 601.1
- IEC 60601-1-2
- UL 1778

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