

**SPECIFICATIONS FOR HOSPITAL BED MULTIFUNCTION WITH MATTRESS**

Overall Size: Approx. 2200 mm x 990 mm (L x W) ( $\pm 10$  mm Engineering Variation)

Bed frame: Approx. 2000 mm x 860 mm (L x W) ( $\pm 10$  mm Engineering Variation)

Minimum Height (without mattress): 350 mm  $\pm 10$  mm (without mattress)

Maximum Height (without mattress): 700 mm  $\pm 10$  mm (Without Mattress)

Backrest adjustment up to 70°  $\pm 5^\circ$

Knee rest adjustment up to 25°  $\pm 5^\circ$

Four section 1.2 mm (18 G) CRCA M.S perforated sheet top for easy breathing of mattress.

Fixed mattress arresters on both sides of Head & Leg sections.

Backrest, knee rest, height adjustment, cardiac chair positions operated by Electromechanical adjustment through Hand remote.

Manual pull lever on both sides of the bed to quickly bring the backrest to a flat position for CPR. Manual CPR assisted with the counterbalance spring mechanism which allows the backrest to come to a flat position without any jerk.

The bed frame is made from 50 mm x 30 mm x 1.8 mm thick and 40 mm x 20 mm x 2.3 ERW tube with proper support and Flat of size 12 mm x 10 mm, 40 mm x 10 mm, 25 mm x 10 mm and 32 mm 6 mm.

The base frame is having expanded tube size of 31.75 mm x 2.0 mm (14 G) for mounting 125mm, Dia. Single Wheel Castors of High-grade synthetic Body with Individual locking system.

Degree indicator on both sides for Backrest positions. It is mounted in a foot side railing.

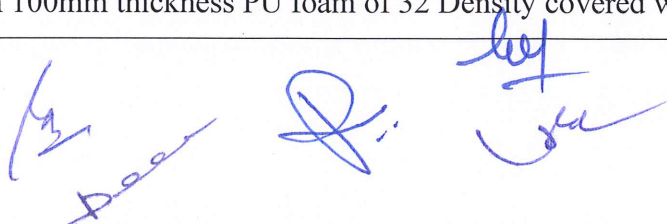
The bed has ABS/HDPE moulded head & foot panels detachable by hand without the need for any tool. Four corner rubber buffers of 100MM dia.

The mattress base should be removable ABS/ HDPE for easy cleaning.

The bed has ABS/HDPE moulded Safety side railings on both sides. Railings are fitted to the mattress support sections and raised and locked through a spring lock mechanism

Four locations on the bed to hold one stainless steel Saline rod 12 mm dia with 31.7 mm dia x 1.2 mm (18 G) stainless steel SS 304 Grade outer covering tube with a knob to mount the syringe pump. This saline pole is mounted on a round bracket size 40 mm OD x 32 mm ID made from MS tube and welded with the bed frame.

Single section Mattress with 100mm thickness PU foam of 32 Density covered with PVC





Safe Working Load – 230 kg.
Electrical Specifications:
Nominal – 220-240VAC, 50Hz
Switch Mode Power Supply: Operating range with battery (85 V to 265 V) and Operating range without battery (85 V to 265 V), frequency 50/60 HZ and Max ampere 5 A
Electrical Shock Protection: Class 1
Protection voltage: 100 to 240 V
Degree of Shock Protection: Type B
Power consumption ideal mode with battery: 24 V
Power consumption at maximum load: 500 VA or less
Liquid Ingress Protection: IPX4
Rechargeable Batteries: 2 X 12 Volt Sealed Lead / Acid Gel.
Battery backup: 10 to 12 complete cycles of full functions.
The lowest bed height should be 35 cm (without a mattress).
Side-rails are provided with stopper levers that can lock them when in use. The lock is constructed so that side rails cannot be unlocked when a load is applied in the downward direction of the side rail or the outward direction of the bed - FOR PATIENT SAFETY.
Back section operation should have Stretch Saver Raise (SSR) mechanism to prevent any pressure build-up on the Patient's abdomen.
All Process Parameters to be as per documented IMS Procedures for Quality Assurance (ISO 9001: 2015/ISO 14001: 2015/ISO 45001: 2018/ISO 13485:2016) Quality Management Systems) & CE/EC conformity.

*Handwritten signatures in blue ink:*  
 1. A signature that appears to be "L3".  
 2. A signature that appears to be "D. J. Lee".  
 3. A signature that appears to be "J. H. Lee".  
 4. A signature that appears to be "B. H. Lee".