

# SPECIFICATION OF ICU MOTORIZED BED

## 04-MOTORIZED ELECTRIC BED,

Should have 6 positions (Back Raise, Knee Raise, Hi-Low Adjustment, Trendelenburg, Reverse Trendelenburg and Cardiac Chair Position) with X-ray radiolucent backrest

### MOVEMENTS:

- Stress saver raise (Back raise to reduce stress on patient's body)
- Back Raise 0-70°
- Knee raise 0-25°
- Hi-low adjustment from 350mm to 700mm (Mattress base)
- Trendelenburg/Reverse Trendelenburg position 0  $\pm$  12°
- One button cardiac chair position

### CONTROLS:

- Should have Integrated (Built in side-rail) or separate handheld Controller to perform the various bed positions.

### CPR FUNCTION:

- Should have both electric CPR function and Manual CPR function.

### BATTERY:

- Should have Battery with low battery indicator.

### SIDE RAILS:

- Should have side rail meeting safety standard of IEC 60601-2-52.
- Should Have Anti-tampering Lock feature. (Prevents patient from falling over when patient is attempting to lower the side rail by himself while laying on bed)
- Should have Flexi Grip (grip on siderail to help patient to stand up more easier)
- Should be slide down with Gas Spring shock absorber

### MATTRESS BASE:

- Made of steel
- Seamless smooth surface for easy and quick cleaning.

### LOW BED HEIGHT:

- Should have lowest bed height to 350 mm or less. (Allows patient to place his heels firmly on the floor)
- Should have Bed height light indicator. (To indicate its lowest height position)

### ANGLE INDICATOR:

- Should have angle indicator for back section at both sides. (The 30 degree marked out to assist in ventilator-associated Pneumonia and for other medical assistance)

### HEAD/FOOT BOARD:

- Should be secured to prevent accidental removal.

### ROLLER BUMPERS:

- Roller bumpers at each corner of bed. ↗

### IV POLE:

- Should have four adjustable hocks with height adjustment. ↘

## CENTRAL STATION FOR 8 BEDS & UP GRADABLE TO 48 BEDS:

Multi-channel 22-inches or more colored LCD Touch Screen.

Recording facility on Laser Printer.

HR with high and low alarms on all parameters selected on bedside monitors.

Other parameters to be monitored as selected in the bedside monitors with automatic recording on alarm.

### Operating Features and Characteristics:

- Waveform display method: Non Fade, Fixed Trace.
- Sweep speed: 50, 25, 6.25 mm/s.
- Waveform Display items: ECG, IBP, Respiration Wave, Pulse (SPO<sub>2</sub>), EEG, Flow/Paw, CO<sub>2</sub>, External input, anesthetic gas.
- Capability to store 96-hours trend data.
- Trend display format: Trend graph and Tabular data.
- Capability to store 96-hour full disclosure ECG as well as other waveforms for each patient.
- Built-in automatic Arrhythmia analysis and ST analysis.
- Full Disclosure 96 hours.
- Embedded Central Station Software.

### **OPTIONAL:**

- Expansion kit for 16 patients.
- Expansion kit for 24 patients.
- Expansion kit for 32 patients.
- Expansion kit for 48 patients.

**NOTE:** CENTRAL PROCESSING UNIT SHOULD BE FROM THE SAME MANUFACTURER  
(LOCAL PC NOT ACCEPTABLE).

- Should have facility to place the iv pole on each side of bed for urine and drainage bags etc.

### LOCKING SYSTEM:

- Should have total lock system with central pedal, and with see-saw pedal and three positions of "Free", "Lock" and "Steer".

### CASTOR:

- Should have 125 mm or large single wheel castor

### BED DIMENSIONS SHOULD BE:

- Bed Length 80 Inch or more without extension.
- Bed Width 35 inch or more
- Total height 24 inch to 35 inch

### MATTRESS:

- Size: W: 860mm L: 1995mm
- Mattress Cover should be:  
MRSA anti-bacterial treated.  
Water proof surface and Flame retardant.  
Material: Cover Polyester/padding urethane foam.  
Mattress must be manufactured by same company manufacturing beds.  
Safe workings load 200 KG or more.

### ADDITIONAL ACCESSORIES:

#### Bedside Table (Over Bed Table):

- Height Adjustment through Gas Spring
- Castor: 40mm dia x 4pcs

#### BEDSIDE CABINET:

- Pull out table included 40mm dia castor x 4pcs
- Dimensions: (W) 445mm x (D) 460mm x (H) 780mm
- Body power coated steel
- Table & Cabinet top & Drawer: ABS Plastic

All Optional items must be manufactured by same manufacture.

### CERTIFICATION:

- Should be at least one certification from CE / MHLW / FDA