

Hospital Electric Bed, 4 Motors





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The electric bed , 4 motors healthcare bed is customised to meet the high demands of intensive care. It is the stylish design has become the definition of the truly modern healthcare bed requirements of each hospital ward and intensive care unit (ICU). The bed has been designed, built and tested for maximum durability. The monolithic supframe designed for bariatric futures as well and protected with several patents. Has a few benifits to the patient satisfaction.

GENERAL FEATURES

BASIC POSITIONING & ADJUSTMENTS

- Height Adjustment Motors
- TR/ATR Tilt Adjustment Motors
- Backrest Adjustment Motor
- Thighrest Adjustment Motor
- Calfrest Mechanical Ratchet

MOBILIZATION

Its powered with four liner actuators and two Lifting Scissors which are hi-tech electrical devices able to convert rotational motion in low voltage DC motors into linear push/pull movements.

PLASTIC MATTRESS PLATFORM

The 90 cm x 200 cm mattress platform of the bed has been adapted to aim the highest level of comfort for the patient. The mattress platform is made of ABS plastic parts and therefore is easy to clean, disinfect and detach. Optionally offered ergonomic design double layer 7 sections platform specifically designed ventilation channels allow air to circulate under the mattress and reduce moisture. The mattress platform 7 sections made up recyclable and sanitizable material which is PP and silver nanoparticles (Ag NPs) compounds. 7 sections are washable easy to be removed and cleaned, with round edges and integrated mattress stoppers without sharp edges.

X-RAY

X-Ray cassette application ready on back rest adapted to be use on bed construction. The lung X-Rays can be taken without any need for the physical handling of the patient. Optionally offerable translucent backrest part to allow directly insert an X-Ray cassette if needed and ABS plastic cassette holder will be applicable.

SIDE RAILS

Electric hospital bed Series side rails specially and ergonomic designed with integrated urine bag holder with angle adjustment of the positions. The bed hosts of fold-down 4 section safety sides made up an Antimicrobial material as the mixture of PP and nanoparticles (Ag NPs) compounds. The appropriate design increases patient mobilization and reduce the efforts of sanitarians for easy cleaning and disinfection. The design of the sections specially design for extra safety to prevent fall risk greatly attain 42 cm height above the mattress platform and a total lateral containment surface for the patient, in compliance with the standard for hospital beds CE EN 60601-2-52. Side rails have a lateral space consumption of 4 cm, use less space and can be effortlessly lowered with one hand.

SAFE BED ENTRY AND EXIT

The excellent and ergonomic design of the bed's split side rails provide full lateral protection in all positions and all times, even the bed is articulated. This helps reduce the potential strain on the caregiver as well as the risk of falls to patients. Patients can be easily moved into the most comfortable position without compromising their safety. The side rails feature a smooth and fast self-lowering mechanism with dampening system that can be set in motion with one hand for accessing patients instantly.

ADAPTORS

Great designed fixed adaptors located at the corners of the bed conveniently situated for application of lifting poles and infusion stands accessible without obstructing the patient.

CONTROLLERS

All controls are ergonomically positioned and identified by immediately intuitive icons both for the medical staff and the patient. The bed has been adapted with different applications of control pendants also integrated on side panels.

INTEGRATED CONTROL PANELS ON SIDES

The controls integrated on the sides, both internal and external, are easily accessible by patients and operators. User-friendly pendant controls accommodate a variety of caregiver needs and encourage patient autonomy.

TOUCH SCREEN CONTROL PANEL

The footboard features optionally a multifunction integrated touchscreen control panel with an intuitive, graphical three-level user interface which easily controls the adjustments of the electric bed. The bed touch controller is equipped with a large screen, giving the user a great overview of all the functions.

HANDS-FREE ADJUSTMENTS WITH THE FOOT CONTROLS

The bed Series adapted with Bilateral high-low foot control foots allow hands-free adjustment of the bed height up/down for helping healthcare staff to the wound care, examinations and maximum patient hygiene needs.

NURSE CONTROL PENDANT

The ICU bed nurse Control pendant is a compact unit with up to 24 buttons that can be used as hand control keys or lock-outs. The lock-out function can be made visible by using yellow LEDs. The bed nurse control pendant allows nursing staff to retain direct control over critical positioning functions while giving the patient a limited degree of adjustment. This high degree of selective control is vital in cases such as spinal injuries and other similar conditions. The bed nurse control pendant has a flexible "hook" which enables it to be positioned according to the nurses wishes, out of reach of the patient and serves to block the hand control functions that may be inappropriate, or even dangerous to the patient.

HAND REMOTE CONTROL

Advanced hand control designed for high-end CURA series hospital beds. The CURA hospital bed hand control remote has up to twelve soft-touch buttons and illuminated led indicators comes with a protection class IPX6 Washable. This control gives users optimal overview of the many adjustment options, movement patterns, and additional features, ensuring efficiency and precision when attending to patients.

FLEXIBLE BACK PENDANT CONTROLLER

Flexible Patient Panel for patient bed comes with a flexible arm making it ideal for hospital and nursing home beds. It enables patients to control and adjust applications such as backrest and leg support.

AUTO REGRESSION (PATIENT COMFORT)

Electric hospital beds is successfully adapted with an auto-regression system during adjustments of backrest and leg automatically shift increasing the space on the pelvic area by creating an extra space of 15 cm. This care mechanism maximize comfort during recovery with allowing degreased pressure ulcers and significantly reduced pressure on the pelvis and sacral areas to enhance breathing and to avoid continuous repositioning of the patient on the bed.

BED EXTENSION

The mattress platform features as an optional integrated extractable bed lengthener, which can be manually adjusted easily to achieve a total length of 300 mm.

CPR

The standard future of electronic CPR adapted in all series electric beds. In case of emergency, the backrest can be brought down manually through a (MANUEL CPR) quick release lever available on both sides of the bed; the lever allows the adjustment at any position of the bed, even at lowest height and both with safety sides up or down locations.

DRIVE SAFE ON 5TH CASTORS

The integrated 5th castor minimises staff assistance , gives opportunity of higher maneuverability in moving the bed even on narrow corners. The 5th castor are increase the maximum safety and convenience during the patient transport. Positioned at the bed's centre of gravity, it reduces the floor surface required when turning the bed.

MINIMUM HEIGHT INDICATIONS

The bed automatically stoped and indicated with light on control panels when moving to the lowest position. The height lamp on the remote is in red. When the bed is in the lowest position, the lamp turns green to reduce the risk of falling.

BED EXIST ALARM

The exist alarm system monitors the patient's movement on the bed and bed exit allows for easier and safer mobilization of patients. The system helps enhance your fall prevention protocols and helps you stop worrying about re-arming the alert. 2-mode Bed Exit Alarm, alerts caregivers of potential bed exit events.

BRAKE OFF INDICATOR

If the brakes do not engage, it warns caregivers with an audible tone that continues until one of the brake pedals is depressed.

EASY TO READ ANGLE INDICATORS

On site angle indicator assists in positioning the patient to the desired angle of elevation.

CASTORS

The electric bed standard available in ø 150 mm washable, simultaneous Wheels with the options twin castors and directional locking system. Pretty and simple design for easy cleaning and disinfection.

NIGHT LIGHT

This light function supports a better patient orientation at night and provides a feeling of safety.

RASTOMAT

The footrest area is manually adjustable by toothed rack aiming counter rotations of the knee.

ARM MOBILISATION

The arms integrated into the split side rails provide support for safer bed exit, allowing patients to elevate themselves to a standing position.

CARDIAC CHAIR POSITION

The cardiac chair position can be adjusted by pressing a single button to maximise respiratory function and cardiac output. This position improves patient comfort and helps to speed up recovery.

SCALE

The Bed with smart scaling system is a bed for dialysis, resuscitation, intensive care and for large burn or polytrauma centers. Bed with integrated weight scale system.

Digital controlled system specially developed for Beds. Electronic weight display via 4-digit red 4-segment display of 20 mm visible in every direction, it also includes 4 indicator LEDs to indicate the status of the viewer. Built into the side guard of the feet, the digital scale allows the following weighing functions to be performed:

- Instant Reading
- Tare and Auto-Tare
- Zero and Auto-Zero
- Weighing System with Add / Remove Weight Functions
- Adding Manually Weight
- Lb/kg Indication
- Two Set Weight Alarm Over or Less (Bed Exist)

Specially designed smart weighing system has ability to the weighting of patients with high precision, independently of the position of the bed mattress platform. There are 4 sensors located at all 4 corners of the bed essembled on monolithic frame (Class C3). With this solution permits the load better distributed and the reading level more accurate. The smart scaling system allows for simple and intuitive monitoring and recording manually of patient weighings. There are two types of alarm possible to set up While the weight of the patient is monitored . Or ability of “bed exit” alarm. The smart weighting scale system indicates the actual weight of the patient, the changes in time and contain a system for the addition or removal of accessories.

PARAMETERS

External Dimensions	221 x 107 cm
Backrest Angle (Max.)	0° – 70°
Footrest Angle (Max.)	0° – 40°
Height Range without Mattress	39 – 82 cm
Trendelenburg Angle	0° – 17°
Reverse Trendelenburg Angle	0° – 17°
Mattress Platform (ABS)	90 x 200 cm
Side Rails Height	42 cm
Castor Diameter	15 cm (Central Lockable Castor)
Nurse Control Panels on Siderails	2 Pieces
Patient Control Panels on Siderails	2 Pieces
Safe Working Load	270 kg
Power In	230V, 50HZ





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