

4 SECTIONS ELECTRICAL LYBRA BED



Aluminium bed with vertical lifting columns electrically motorized and a four sections mattress-support including one fixed and 3 electrically sliding sections thanks to a double drives system.

Tubular basement in aluminium including wheels with thermoformed ABS covers, self-extinguishing, anti-stain and anti-scratch, this basement is completely free from any kind of obstruction and is fitted with four twin-casters fixed on each corner of the bed (150 mm of diameter) with central lock working thanks to three-position pedals (free, directional and total lock).

Upper frame in aluminium with rubber bumps ready for the integration of patient helper- and bottle holder poles.

Four-sections mattress-support (backrest, pelvis, femur, legs) made of completely removable aluminium slats and suitable for the insertion of anti-bedsore system. Backrest and femur section slide automatically during the rotation up to 110 mm : 70 mm for the backrest shift and 40 mm for the legs section shift. This shift avoids chest and pelvis compression improving the patient's breathing and helping in reducing bed sores.

Femur and legs sections move simultaneously and get, electrically, to the appropriate position in order to prevent the patient from a wrong angle position that could be dangerous for his/her knee.

The bed is also foreseen for the introduction of a footboard extender in order to lengthen the mattress-support of 200 mm through a simple lateral release system. Once the laminated panel slides out, the caregiver has just to put a mattress-extension on it.

In case of emergency, the caregiver can bring the backrest section down manually through a quick unlocking of the CPR handles installed on both sides of the bed.

Innovative four-sector bedside rails, located at the backrest and legs level (parallel rotation with the mattress-support), are made of anti-trauma and antibacterial material. The bedside rails follow the movements of the mattress-support to guarantee a better containment of the



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Healthy Design

TECHNICAL SPECIFICATION

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patient in each position. By pushing on the central button, these rails can be completely turned over (180°) or just partially (90°). When partially down, the bedside rail becomes a support for the patient to help him/her in getting in and out of the bed.

Vertically removable head and feet boards, made of anti-trauma and antibacterial material.

The patient is able to control the following functions through its own handset: backrest, femur section, height adjustment of the frame-support. The caregiver however has a full control of the following standard positions: backrest, femur/legs, trendelenburg, reverse-trendelenburg through the primary keyboard/locking panel (SUPERVISOR). Moreover, an interlocking device helps the caregiver in disabling all the above mentioned functions when necessary. And last but not least, the following keys are also available on the caregiver's panel control : key for confirmation of movement, reset key for mattress-support in case of emergency trendelenburg (shock position) and reset key of the mattress-support down to the minimum height (electrical CPR) to ease the egress of the patient.

This electrical bed complies with the following established standards : IEC EN 60601-1 Medical Electrical Equipment – General Requirements for Safety, IEC EN 60601-1-2 Medical Electrical Equipment – General Requirements for Safety – Collateral Standard: Electromagnetic compatibility – Requirements and Tests, IEC EN 60601-1-4 Medical Electrical Equipment – General Requirements for Safety – 4. Collateral Standard : Programmable electrical medical systems, IEC EN 60601-2-38 Particular Requirements for the Safety of Electrically Operated Hospital Beds, IEC EN 60601-2-38/A1 Particular Requirements for the Safety of Electrically Operated Hospital Beds, IEC EN 60529 Degrees of Protection Provided by enclosures (IP Code), UNI EN ISO 14971 Medical Devices – Risk Analysis applied to medical devices, UNI EN 980 Symbols for the labelling of medical devices, UNI EN 1041 Information supplied by the Manufacturer together with the medical devices, CE marking “Medical Device” Class I 93/42/EEC.