

VOLTEA

Intensive Care Hospital Bed with lateral tilting and optional scale



Lateral tilting

CONTROL PANEL



FEATURES

MATTRESS

Epoxy coated steel tube frame.

New design for headboard and footboard that improves mattress retention, with fixing system for locking that allows detaching them without tools. They are made in HPDE medical, a high density resin, with anti-shock protection, fire retardant and with antimicrobial properties (more than a 99% of effectiveness against certain bacteria from hospital environments). Head and footboard easy to assemble without tools. Their ergonomic design prevents movements on mattress.

Mattress retainers on both sides to allow a correct lying surface positioning.

Three columns with 6 rods raising system for greater stability in any position and working load up to 250 kg.

Complete with supports for accessories (IV drip rod, lifting pole, etc.)

COMFORT

4 independent and detachable ABS lying sections. Useful surface 100%.

4 independent split HPDE Medical siderails in accordance with standard rule EN 60601-2-52 that prevent injury risks due to patient accidental falls thanks to their high lateral coverage. Their design is adequate to avoid entrapments. They are individually adjustable with gas spring assist and one hand operation. When lowered, they stay under mattress edge to allow a safe and no-gap patient transfer to a stretcher. These side rails have an integrated angle indicator, offering a greater control of visual angulations for backrest plane and trendelenburg / reverse trendelenburg position.

Embedded buttons on side rail with "GO" safety activation device (optional)

Bed extension (± 20 cm.) with linen holder or nurse control box storing location.

Optional radiolucent lying platform on backrest with cassette holder (Ref. CHV26).

Double automatic anti-decubitus regression system. This mechanism allows, while positioning the back and leg, to separate the pelvic section more than 18 cm. to protect against bedsores.

HANDLING

Sections adjustment through movement management software, that allows the correct positioning of patient once the auto-contour option is adjusted, avoiding the sliding of the patient to the foot part of the bed.

All the adjustments of the bed (sections, height, lateral tilting, trendelenburg /reverse trendelenburg) are accomplished by low tension electric motors, complying with EN 60601-1 normative.

Automatic stop of the backrest to 30° to improve pulmonary ventilation.

Independent foot angle from knee angle by mechanical activation of 5 positions, providing a greater ergonomics.

Cardiac chair position to provide a more comfortable patient stay.

SECURITY

LATERAL TILT POSITION: By changing patient position, it allows to apply pulmonary therapies based on several medical studies and scientific articles. This technique is highly beneficial for respiratory function, contributing to the reduction of risks of respiratory infections. The technique of lateral tilt of the bed improves the relief and the treatment of pressure ulcers, through postural change and the consequent continuous distribution of morbid weight of patient, avoiding the occlusion of the weaker blood capillaries. Furthermore, the lateral tilt position facilitates ventral decubitus maneuvers for exam, treatment and cleaning procedures of patients.

Centralized braking system and steering facility. Double castors of $\varnothing 150$ mm.

5Th Wheel to allow an easy movement and turn around of the bed through narrow corridors and gates (**optional** ref. CHV24).

Nurse control panel and patient handset with drawings and pictograms for easy use.

Nurse control panel with LCD display is much more than a simple bed supervisor functions and movements, It is a system that incorporates all the predetermined functions of bed movement that may require by the hospital nurse and health operators. Includes pre-set therapeutic functions (Trendelemburg, CPR, cardiac chair and examination position) and lock-out security facility.

Some of the most important and innovative functions of nurse panel are:

- Battery charge indicator
- Signal indicator when the bed is connected to the power supply
- Maintenance needs indicator
- Functions locking system with indicator. Functions can be locked individually or in a simultaneous way through "STOP" button.
- Emergency Trendelemburg activation
- CPR emergency activation
- Cardiac chair position
- Examination position
- Trendelemburg / reverse trendelemburg positions
- Angle indicator of each section and trendelemburg / reverse trendelemburg positions
- Gel battery of 200 cycles in continuous use.

Optional: integrated scale with weighing system incorporated into the structure, composed of four weight sensors (certified load cells) placed on each corner of the bed, that ensure the accuracy on weight measurements at any position of the bed

Thermoplastic undercarriage cover to protect the bed mechanisms and to allow an easy cleaning.

Quick emergency release backrest lowering system in the event of electrical or battery back-up failure.

Anti-trapping systems with automatic motor switch off in the event of detecting any obstacle.
Height adjustment actuator falls preventer in case of failure

TECHNICAL DATA

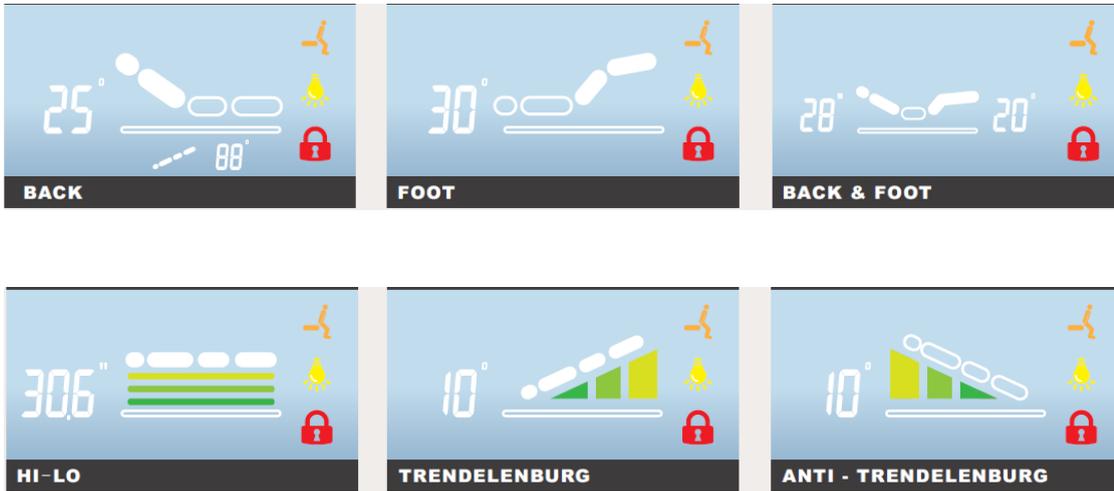
External dimensions	2130 x 960 mm
Patient surface	2000 x 850 mm
Height adjustment	470 -780 mm
Backrest tilting	70°
Legrest tilting	32°
Maximum working load	250 kg
Backrest autoregression plane	110 mm
Legrest autoregression plane	70 mm.
Trendelemburg/reverse trendelemburg	16°
Tilting	15°
Weight without accessories	150 kg.

ELECTRIC FEATURES

POWER SUPPLY	110-230 V 50-60 Hz
MAXIMUM CURRENT INTAKE	1.6 A, 370 Volt.
LIQUID INGRESS PROTECTION INDICATOR	IP 54
CLASS PROTECTION	Class II
ELECTRIC SHOCK PROTECTION	Type B

SCALE FEATURES (OPTIONAL):

- LC DISPLAY:



- WORDING WITH LOAD CELL TO IDENTIFY SPECIFIC FEATURES:

