



TORONTECH

HEMOCARE HOSPITAL BED (ELECTRIC)



Homecare Hospital Bed (Electric) - ToronCare™ 5083

ToronCare™ 5083 is an electric homecare hospital bed that puts backrest, leg, turning, and chair adjustments under push-button control for families and caregivers managing extended care at home. A handheld remote drives every motion through a medical-grade T-motion actuator, so repositioning a patient no longer depends on cranks or physical effort. Powered functions include backrest and leg elevation, lateral turning, a one-key chair position, an electric toilet opening, and a one-button CPR flat position.

As a full electric homecare bed, the ToronCare™ 5083 reduces the daily strain that manual repositioning places on caregivers and lowers the risk of lumbar injury. A built-in back-up battery keeps the core functions working during power outages, delivering about 20 load-bearing operations on a single charge. The 170 kg (375 lb) safe working load, dampened drop-down side rails, and breathable welded-mesh deck suit long-term use across a range of adult patients.

Natural wood head and foot boards finished in water-based paint give the bed a residential look, while four braked castors make room-to-room movement simple. The ToronCare™ 5083 fits home care, nursing homes, and long-term care facilities that need dependable, powered homecare hospital beds for bedridden and reduced-mobility patients.

APPLICATIONS

Homecare Hospital Bed (Electric) - ToronCare™ 5083 Applications

The ToronCare™ 5083 supports patients who need frequent repositioning and the caregivers who assist them, standing among the more capable electric homecare beds for both home and facility care.

- Home-Based Long-Term Care: gives families a powered nursing bed for relatives with chronic conditions, letting one caregiver manage positioning that would otherwise take two.

- Stroke and Neurological Recovery: electric turning and the chair position reposition patients who cannot move themselves, lowering complications from prolonged bed rest.
- Post-Surgical and Rehabilitation Recovery: motorized backrest and leg adjustments let patients sit up, rest, and change posture during recovery with minimal assistance.
- Elderly and Geriatric Care: push-button operation suits aging patients and older caregivers who cannot manage hand cranks.
- High-Dependency and Bedridden Patients: scheduled electric side-to-side turning offloads pressure points to help prevent bedsores around the clock.
- Cardiac and Emergency-Ready Settings: the one-button CPR function drops the deck flat in seconds for resuscitation, supporting homes caring for patients at cardiac risk.
- Palliative and Hospice Care: electric toileting and gentle positioning keep patients comfortable while minimizing painful manual handling.
- Nursing Homes and Long-Term Care Facilities: durable powered functions and a back-up battery support continuous, multi-shift use.



Standards

The ToronCare™ 5083 is designed to align with the international standards that govern electrical safety, medical bed performance, and entrapment prevention for adult medical beds. Its T-motion actuator is built to UL, RoHS, and EN requirements, and the product line carries ISO certification marks per the manufacturer.

- ISO 13485 - Medical Devices: Quality Management Systems for Regulatory Purposes

FEATURES

Homecare Hospital Bed (Electric) - ToronCare™ 5083 Key Features

The ToronCare™ 5083 combines a full set of motorized nursing functions with a sturdy, low-maintenance frame, with each feature aimed at cutting caregiver effort and protecting the patient.

- Multi-Function Handheld Remote: one controller operates the backrest, leg section, lateral turning, toilet opening, one-key chair position, and CPR release, putting full positioning in the patient's or caregiver's hand.
- Electric Lateral Turning: powered side-to-side rotation up to 35° each side repositions the patient at the press of a button, reducing caregiver effort and lumbar strain.
- Powered Backrest and Leg Adjustment: motorized sections raise the backrest to 65° and the thigh rest to 60° for upright rest, feeding, and circulation support without manual cranking.
- One-Key Cardiac Chair Position: a single button folds the deck into a seated chair posture for meals, therapy, or upright recovery.
- One-Button CPR Release: drops the backrest and leg sections flat within seconds to create the firm surface needed for effective chest compressions in an emergency.
- Electric Toilet Opening: a powered defecation aperture (270 × 180 mm) opens and closes on demand and is shaped for easy cleaning, simplifying in-bed toileting.

- Medical-Grade T-Motion Actuator: the drive motor is built to UL, RoHS, and EN requirements for quiet, reliable, and clean powered movement.
- Back-Up Battery: stores enough charge for about 20 load-bearing function cycles, keeping core movements available during power outages.
- Breathable Welded-Mesh Deck: a 1.4 mm resistance-welded steel mesh surface over a 9 mm odorless multilayer support board provides firm, ventilated mattress support.
- Dampened Steel Side Rails: 1.2 mm wall-thickness epoxy-coated steel rails on stainless steel posts guard against falls, and dampers lower them gently to prevent pinching.
- Optional Wooden Side Rails: natural wood rails finished in water-based paint cushion impacts and soften the bed's appearance for home settings.
- Integrated Night Light: a built-in lamp lights the bed area for safe nighttime checks and transfers.
- Four Braked Universal Castors: lockable swivel casters validated over 50 km of travel and more than 30,000 obstacle crossings provide stable, long-lasting mobility.
- Residential Wood Head and Foot Boards: finished with water-based, low-emission paint for a warm, home-like look, with thickened anti-rust coated hardware throughout.

THEORY & METHOD

Theory and Method

Each powered movement comes from an electric linear actuator. Inside the actuator, a small DC motor turns a lead screw through a gear train, converting rotation into the straight-line push that raises or lowers a deck section. The handheld remote sends a low-voltage signal to a control box, which routes power to the selected actuator and stops it at the chosen position. Because the screw mechanism is self-holding, the deck stays put without drawing power once the motion ends.

Pressure ulcers develop when prolonged pressure on bony areas such as the hips and sacrum compresses blood vessels and starves the skin of circulation. Repositioning every couple of hours restores blood flow and lets the tissue recover. The

ToronCare™ 5083 automates the hardest part: at the press of a button, the platform tilts up to 35° to either side, rolling the patient onto fresh tissue without a caregiver lifting or log-rolling the body. This protects the caregiver's lower back and keeps turning consistent overnight.

Two safety features address what happens in an emergency. The one-button CPR control collapses the backrest and leg sections to a flat, firm position within seconds, giving responders the rigid surface that effective chest compressions require. A back-up battery covers the bed if mains power fails, holding enough charge for roughly 20 load-bearing function cycles so the patient can still be repositioned or lowered. Together, these systems keep the bed usable during outages and during the moments that matter most.

TECHNICAL SPECIFICATIONS

Homecare Hospital Bed (Electric) - ToronCare™ 5083 Technical Specifications

Parameter	Specification
Overall Dimensions (side rails raised)	2038 × 1105 × 495 mm (80.2 × 43.5 × 19.5 in)
Mattress Platform	1890 × 930 mm (±10 mm)
Bed Platform Height	495 mm (19.5 in)
Mattress Size	1900 × 950 × 50 mm (±10 mm)
Toilet Opening (Defecation Hole)	270 × 180 mm (±10 mm)
Maximum Backrest Angle	≥ 65°
Maximum Thigh / Leg Rest Angle	≥ 60°

Parameter	Specification
Lateral Turning Angle	≥ 35° left and right
Safe Working Load	170 kg (375 lb)
Operating Temperature	5°C to 40°C (41°F to 104°F)
Relative Humidity	≤ 85%
Drive System	Electric linear actuators (T-motion, medical grade)
Control	Multi-function handheld remote
Power Backup	Back-up battery (~20 function cycles under load)
Side Rails	Epoxy-coated steel (1.2 mm wall) on stainless steel posts; wooden rails optional
Deck Surface	1.4 mm welded steel mesh over 9 mm multilayer support board
Castors	Four braked universal swivel casters
Head and Foot Boards	Natural wood with water-based paint finish

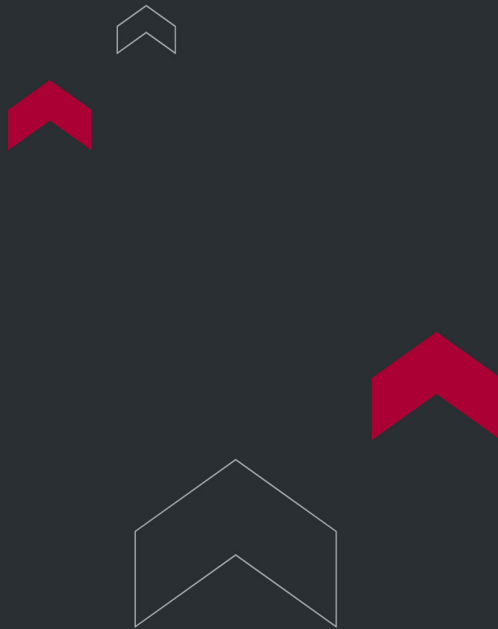
Optional Accessories

Accessory	Description
I.V. Pole	Height-adjustable pole for hanging intravenous fluids and drainage bags
Overbed Table	Adjustable table that swings over the bed for meals, reading, or activities

Companion Products

Product	Description
Bedside Cabinet	Bedside storage cabinet for patient belongings and supplies

Product	Description
Foldable Accompany Chair	Folding companion chair that converts to a resting position for an attending family member or caregiver



Torontech Inc.

251 Consumers Road, Suite 1200
Toronto, Ontario, M2J 4R3, Canada 

Phone: +1 416 368 2721 | Fax: +1 416 981 7652
Email: info@torontech.com

Torontech, LLC

601 Brickell Key Drive, Suite 700
Miami, FL 33131, USA 

Toll-Free: 1-866-383-7919
Email: sales@torontech.com

Torontech ME FZE

Meydan Grandstand, 6th Floor,
Meydan Road, Nad Al Sheba,
Dubai-261440, UAE 

Phone: +971 488 19252
Email: me@torontech.com

