



Carer bed
an effective solution for care





carer an effective solution for care

IEC 60601-
2-52
COMPLIANT

A unique approach

The Carer low bed has been designed from first principles looking at the age, gender, height and weight of the UK care home population to produce a care bed that truly matches the ergonomic and clinical needs of your residents. Over 32,000 residents in 751 homes were surveyed.

The findings from the survey showed:

- 160cm average height
- 63kg average weight
- Over 75% are over 64 years old
- 75% female
- 90% either cannot or have difficulty getting out of bed

We took the findings from the research, our continuing work with numerous community NHS Trusts and Renray's years of experience with anthropometric data and developed a bed which still has a standard size perimeter, so it fits the standard ranges of therapeutic mattresses. It has uniquely sized platform sections and a profiling system designed to accommodate the demographics indicated within the survey.

- Cost effective solution to compliance, safety and care
- Uniquely designed to match the size of UK care home residents
- Reduces the risk of injury from falls due to the unique low height
- Complies to current bed standards IEC60601-2-52



Enhanced comfort and support

The enhanced patient positioning and the optimised mattress platform reduce shear and friction when the bed is being adjusted, by correctly supporting the user throughout the profiling range and increasing comfort.

The position of the pivot point of the backrest and thigh section are closer to the client's natural pivot point (their hip joint), mimicking the way tissue stretches as they move from a lying to sitting position and reduces abdominal compression while seated. This offers major benefits over conventional low height beds:

- **Enhanced shear and friction reduction**
- **Excellent postural support**
- **Better respiratory positioning**
- **Exceptional comfort**

The manual calf section adjustment allows positioning of the lower leg for drainage, DVT prevention and heel pressure reduction. The Carer bed has a low height of 19.5cm, from mattress platform to floor, offering increased security for clients, allowing them a relaxed sleep and peace of mind, especially when combined with a falls mattress, significantly reducing injury from bed falls. However, carers can also simply raise the bed to a more suitable height when necessary for delivering care.



Cost effective solution to care

Profiling beds are a big investment for any care home. Ensuring your home is compliant to current bed standards and the gaps and clearances stipulated within those standards, is important. The carer bed is designed to meet these standards and when used with Renray mattresses complies to IEC60601-2-52 without the need for extra height side rails.

**LOW HEIGHT
ONLY 19.5cm**



Dementia friendly bed

- Simple and elegant design is in harmony with a care home setting
- Uniquely styled head and foot board design, enhancing patients' visual field, reducing the "enclosed feeling" that some beds generate
- Rounded corners for safety
- Appropriate height to prevent injury from falls
- Stable four point design as dementia users tend to use the bed as a mobility aid

User friendly design

The height, contouring and tilt functions are electrically operated via the simple to use, lockable handset.

Built in safety

Accidental deaths involving profiling beds are usually associated with the incorrect use of side rails or incorrect side rails being fitted. The Carer Bed range has unique fittings making it impossible to fit incorrect sides and ensuring compliance with the IEC 60601-2-52 bed standard.



The patented side rail locking system allows senior staff to lock the side rails in the lowest position so that they cannot be used inappropriately but always available.

Infection control

The open bed design reduces the time spent cleaning. Electrically operated height ensures cleaning can be undertaken at an appropriate height reducing moving and handling risks. Powder coated frame is smooth and easy to wipe clean.



Easy maintenance

- **Plug and play maintenance, all controls are easily accessible**
- **Head and foot panels are removable by one person and easily replaced**

Transport

- **Proven castors for easy transportation**
- **Lightweight design**
- **Individual sections are less than 20kg for safety when assembling**

Solving the problem

A bed that is too long means that the sections do not move with, or support, the resident correctly. This can significantly increase the shear forces and pressure points that lead to pressure ulcer development. A bed that is too high or too low can cause problems for staff and increases the risk of falls.

Carer low bed features

- IEC 60601-2-52 compliant
- 4 Section electric profiling bed
- Exceptional low height of just 19.5cm - ideal for use with falls risk users
- 60cm top height (75cm with mattress) - ideal height for delivering care
- Bed separates into 4 sections for easy transportation, assembly and installation by a single person
- Enhanced profiling system for improved patient positioning with reduced shear and friction
- Tilt (head down) to -10.5°
- Reverse tilt (head up) to +10.5°
- Individual braking castors
- Integral bed extension of 11.5cm with mattress retainer
- Integral storage and transportation unit - transport brackets are stored within the bed frame
- Patient handset with security lock-out feature
- Vascular and fowler leg positioning
- Uniquely styled head and foot board design enhancing patients' visual field, reducing "enclosed feeling" that some beds generate
- Battery backup/emergency lowering facility
- Compatible with a variety of therapeutic support surfaces

Carer standard height bed features

- Height range of 30-70.5cm

Carer wide bed features

- 4ft wide bed with standard height range suitable for larger residents

Product data

	CAR1000/CAR2000	CAR2400
Safe working load	180Kg (28 stone)	180Kg (28 stone)
Maximum patient weight	150Kg (23 stone)	150Kg (23 stone)
Mattress platform dimensions	1965 x 910mm	1965 x 1182mm
Standard bed length (external)	2207mm	2207mm
Bed length inc. bed extension (external)	2322mm	2322mm
Bed extension length	115mm	115mm
Bed width (external)	1040mm	1350mm
Variable height range	195 to 600mm*	300 to 705mm
Angle of back rest	0° to +70°	0° to +70°
Vascular and fowler leg rest angle	Vascular+27° Fowler: -24°	Vascular+27° Fowler: -24°
Tilt (head down)	-10.5°	-10.5°
Reverse tilt (head up)	+10.5°	+10.5°
Bed on transport frame - dimensions	W1040 x D562 x H1275mm	W1350 x D562 x H1275mm

*Variable height range for the CAR2000 is 300 to 705mm

Accessories

ELP – Lifting pole (SWL 75Kg)

COREGH – Mobility grab handle mounts on side of bed

Product code

CAR1000 Carer low height profiling bed

CAR2000 Carer standard height profiling bed

CAR2400 Carer standard height profiling bed, 4ft wide



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