Lineup

Luxury Board Type

KA-94220EX Luxury Board type 910 mm width

Specifications

Back Raise	Angle	0° to 75°
	Time	Normal: approx. 33 sec., Fast: about 23 sec.
Knee Raise	Angle	0° to 45°
	Time	approx. 17 sec.
Hi-Low	Range	Mattress base height 250mm to 630mm
	Time	approx. 40 sec.

Product Weight		approx. 116 kg/approx. 127 kg (traction board type)
Materials	Head/Foot board	Polypropylene resin mold item/Traction board
	Corner	Polypropylene resin mold item
	Mattress Base	Made of steel, electrodeposition coating and power coating (part is resin mold item)
	Main Frame	Made of steel, electrodeposition coating and power coating

Caster	Wheel diameter ϕ100 mm double wheel caster (central lock system)

PARAMOUNT BED

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V.I.P. Motorized Beds METIS Series

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Safer medical treatment environment

Greater comfort for patients

Easier for anybody to use

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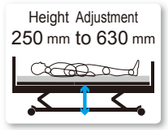


KIND Motion + Low Height of 250 mm Providing Greater Safety, Comfort, and Ease-of-Use

Kyma Line World's First

The flexible connecting piece that is affixed to the mattress base is a device that we at Paramount Bed developed independently. When the back is raised, it conforms to the contours of the body and curves while extending.

Effects You Can Expect:

→ Prevention of pressure ulcer can be expected because slippage is reduced. Improving the caregiver's effciency of operations.
Due to a reduction in the need to correct the position of the patient, a decrease in nursing care tasks can be expected.

→ Because the feeling of pressure on the patient is reduced, a more comfortable life on the bed can be expected. (QOL (Quality of Life) is respected.)

KIND Motion World's First

1 First, the knees are raised to keep slippage from occurring.

2 The back is raised.

3 As the back is raised the knees are lowered in order to minimize the pressure that would otherwise be felt in the abdomen.

4 The back is raised.

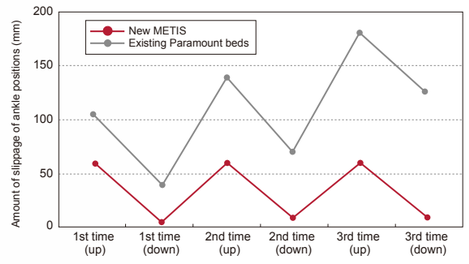
5 A more stable long sitting position can be assumed on the bed. When the back is tilted up as high as it can go, the knees are lowered so that a smoother transition to the sitting position on the side of the bed can be achieved.

KIND Motion

There are in excess of 6,500 combinations possible between the back section base and knee section base movements. From these, we programmed the bed so that it provides the ideal movements for keeping body slippage and the feeling of pressure to a minimum. The consequent advantages are earlier egress from the bed, reduced nursing care labor, and the prevention of pressure ulcer. The patient and caregiver can be easily helped up at a touch of a button.

KIND Motion

■ **Comparing the amount of slippage of the ankle positions (mm)**
(based on research by Paramount Bed)

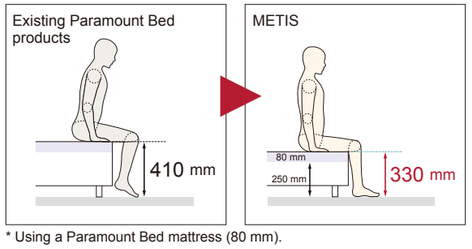


* The measured data can reflect differences in terms of height, weight, and physique of the individual.

Low Height of 250 mm

The minimum height of the mattress base is 250 mm. Even users with small physiques will be able to touch their heels to the floor. This gives users a sense of stability because they can assume a sitting position on the edge of the bed more easily, resulting in easier transition to the next movement and leading to more rapid voluntary rehabilitation. In addition, the shorter distance from the floor means that reduced impact is possible in the event of a fall.

■ **The Importance of a Stable Sitting Position**
The mattress base is 250 mm high. Even adding a mattress (*1), the bed is only 330 mm high. According to our research, this height means that over 90% of Japanese who are 60 years of age or older will be able to touch their heels to the floor. When both heels are placed firmly on the floor, users can raise themselves to a stable sitting position on the edge of the bed more easily, leading to easier transition to the next movement.



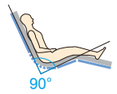
* Using a Paramount Bed mattress (80 mm).

Safety Mechanism against getting caught

In order to prevent feet and equipment from getting caught in the bed frame when the bed is lowered, a recorded voice and sound are emitted and the movement is halted when the base is approx. 310 mm from the floor. When the down button is pressed continuously, the bed is lowered to 250 mm and the electronic sound plays repeatedly.
In addition, the mechanism that the power of motor does not apply even if something is caught between the mattress base and frame when the back is lowered.

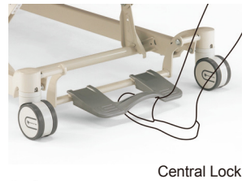
Angle Limit Function

The bed is designed so that the bed angle is never less than 90 degrees, thus preventing the back and knees sections from becoming too close together. This function can be cancelled if necessary.



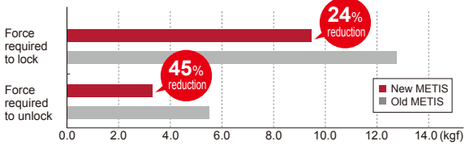
Central Lock Caster System

The central lock that simultaneously locks and unlocks all four wheels can be operated with minimal pressure. The large pedal can be approached from various directions for smooth and steady operation. In addition, the arched shaped of the pedal distributes the force exerted by the instep when unlocking it, thus making it easier to operate in sandals.



Central Lock

■ **Force required to lock/unlock (kgf)**
(based on research by Paramount Bed)



Safe and Functional Board Design

Board stability for attaching peripheral equipment has been improved by making the upper part flat. The ends are elevated to reduce the chance of equipment slipping off and to facilitate directional control during transport.

Detachable Boards with Auto-locking System

The board has been designed with an auto locking system for easy removal and automatic latching onto the board stopper for safety.

Safety Maintenance Functions

The handheld controller indicates when any button has been pressed 20,000 times. In addition, a new maintenance mode makes it possible to move the bed into the position for cleaning and maintenance in one-third the normal time so that tasks can be carried out more quickly.