



i-Drive Power™

motorized patient transport
in Multicare and Multicare LE beds



Minimum manpower during patient transport

Multicare and Multicare LE with i-Drive Power™

The in-bed patient transport is one of the most risky activities associated with the patient handling. Pushing the bed with the extreme loads especially in the slopes and driving the long distances extremely increases the risk of the back injuries and other musculoskeletal diseases of the staff. Consider the i-Drive Power™, a brand new technology of motorized in-bed patient transport to minimize these risks.

[01] EXTREME PERFORMANCE

Minimum staff assistance in pushing the bed is needed due to the exceptional motor performance:

- even with an extreme load when driving up the slopes
- even with an extreme load when driving down the slopes
- even with an extreme load when turning

[02] INTELLIGENT ACCELERATOR

The intelligent accelerator optimizes the drive speed in different drive situations.

Fast forward regime helps to shorten the time needed to manage long distance transport.

Forward regime with lower speed helps to minimize the accidents when driving in places with a lack of space.



[01]

EXCEPTIONAL DURABILITY

Extremely durable batteries allow driving up to a distance of 5 km in internal healthcare facilities¹ without break for recharging.



[02]

¹ fully charged battery, load 80 kg, flat surface, straight drive

Maximum safety during patient transport

The i-Drive Power™ is a sophisticated system reflecting all the safety aspects of the in-bed patient transport. i-Drive Power™ provides the optimum driving properties for any situation, no matter if you drive the long straight corridor, drive up the slope, turn to the box, or exit the elevator. All these specific situations can be managed with the maximum safety and convenience.



[03a]



[03b]

[03] SAFETY SENSE™ CONCEPT

A unique **Safety Sense™** feature avoids the risk of self-activation, unintentional activation or misuse. The principle does not allow driving without users hand on the **Safety Sense™** active area designed also as a driving handle.

An intuitive **Automatic Stop** feature stops the drive automatically if the users hand is out of the **Safety Sense™** active area. It helps to brake safely in emergency situations and to stop bed movement in the slopes.

An emergency **STOP DRIVE** button stops bed powered movement immediately in any situation.

PERMANENT MOBILITY CONCEPT

An emergency release button guarantees permanent bed mobility in the case of multiple failures or insufficient battery capacity.

A free ride regime allows to go with the bed without help of the motorized castor, maneuver easily and to move the bed laterally.

LED indicators inform staff about battery capacity and enable to plan the drive accordingly.

ELECTRICAL SPECIFICATIONS

Power supply	36 V
Max distance to drive	5 km ¹
Normal / Max Input power	200 W/ 1000 W
Normal / Max Output power	150 W/ 480 W
Castors Diameter	150 mm
Fast forward speed (flat floor)	4.8 km/h
Forward speed	2.6 km/h
Driving up to slope: max angle	6degrees ²

¹ fully charged battery, load 80 kg, flat surface, straight drive

² up to 80 kg patient and max length of slope 20 m with no manpower

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a motorized patient transport in Multicare and Multicare LE beds



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