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e drive NXT

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E-Drive NXT is a powerful electric drive system with joystick and/or attendant control that transforms your manual wheelchair into a compact, easy-to-use, and agile power wheelchair.

E-Drive NXT is designed for users who want to continue using their manual wheelchair but, for various medical reasons, require full power assistance in their daily mobility. By mounting the compact drive unit to the wheelchair, users gain reliable electric propulsion that is easily controlled via a joystick, either independently or in combination with an attendant control. This significantly reduces physical effort for both the user and the attendant.

The system offers stable and predictable driving characteristics, making it easier to navigate slopes, travel longer distances, and move efficiently on level surfaces. Thanks to its well-engineered design, the drive unit integrates seamlessly with the wheelchair without compromising maneuverability or comfort.

E-Drive NXT is compatible with most manual wheelchair models and can be easily installed or removed when required. Whether at home, at work, or outdoors, E-Drive NXT provides additional support while enhancing independence, mobility, and everyday freedom.

Specifications

Engine	36V 150Wx2
Battery type	Li-ion, 36V 6.45Ah
Product weight	16" wheels: approx. 16,1 kg 24" wheels: approx. 16.9 kg Battery: 2.4 kg
Wheel dimensions	16", 20", 22", 24", 25", 26"
Speed	Joystick control: up to 8.5 km/h Attendant control: up to 6 km/h
Maximum driving range with fully charged batteries	Approx. 20 km (16") Approx. 25 km (20"-24") Range varies depending on battery type, wheel size, and usage.
Maximum user weight	160 kg
Maximum total weight	Heavy Duty: up to 212 kg
Maximum climbing ability	6 degrees
CE marking	According to MDR 2017/745 class 1
Display	Integrated LCD display in joystick
Program parameters	Via joystick or computer (Smart Tune)
Charging time	Approx. 5 hours



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Joystick and/or attendant control

The swiveling joystick makes it easier to get in and out of the wheelchair while also providing a more flexible and ergonomic driving position.

E-Drive NXT is equipped with a modern joystick featuring an integrated display, giving the user a clear overview and enhanced control while driving. Important information such as speed mode, battery status, and system messages is displayed directly on the joystick.

The intuitive layout creates a safe and predictable driving experience, especially in situations where quick feedback is essential, such as when driving outdoors or on slopes.

The controls are positioned for easy access and simple operation, making everyday use and adjustments straightforward.

The joystick comes with a standard knob that suits most users, but it can also be replaced to meet individual needs. Several alternative knob options with different shapes and grip designs are available, making it possible to find a solution that feels natural and comfortable regardless of hand function or driving style. Combined with the ability to adjust the joystick position, this ensures a stable, ergonomic, and comfortable driving experience.

E-Drive NXT can also be equipped with an attendant control, developed with the same focus on control, visibility, and safe operation as the joystick. It allows the attendant to maneuver the wheelchair with smooth and predictable movements, both indoors and on outdoor terrain.

The design conveys a sense of speed and movement, while important information is displayed directly on the control. This contributes to a safer and more comfortable driving experience for both the user and the attendant.



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