

# Retrofit Kit HELIOS

*Innovative Drive System For Different Wheel Chairs*

- \* fat-free and maintenance-free
- \* high efficiency

## Parts

- two spoked wheels with integrated brushless hub motor EC-RN 185.35 B-I
- 1 operator console
- wiring harness with quick lock motor adapter

Optional:

- battery box
- holder for battery box
- battery charger



- \* space saving
- \* noiseless
- \* excellent driving characteristics

## Technical Data

### Hub motor/wheel:

climb gradient:	15% with 160 kg total weight
rated power:	2 x 130 Watt
speed:	0 - 6,5 km/h; 0 - 4,04 mph
wheel size:	20“, 22“ und 24“
brake:	locked brake torque 35 Nm
supply voltage:	24 Volt

### Electronics:

- ECU integrated into the motor (logic and power)
- programmable by hand programmer or PC based programming software tool

### Batteries:

2 x 12 Volt, 17 Ah  
range about 20 km (12,4 miles) depending on weight and ground

### Operator console:

- intelligent battery monitoring
- 5 preprogrammed drive characteristics
- continuously settable speed
- horn, charge connector

### Weight:

wheel with tire:	9,50 kg
operator console:	0,35 kg
wiring harness with motor adaptor:	0,90 kg



# Retrofit Kit **HERKULES**

*Innovative Drive System For Great Demands*

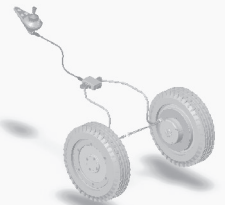
- \* fat-free and maintenance-free
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## Parts

- two wheels with integrated brushless hub motor EC-RN 185.35 UB-I with power and control harness
  - 1 operator console
  - 1 distribution box (70 x 50 x 25 mm)
- Optional:
- battery box
  - holder for battery box
  - battery charger



- \* space saving
- \* noiseless
- \* excellent driving characteristics



## Technical Data

### Hub motor/wheel:

climb gradient:	20% with 200 kg total weight
rated power:	2 x 200 Watt
speed:	0 - 6,5 km/h; 0 - 4,04 mph
tire:	airless 12", larger rims possible
brake:	locked brake torque 50 Nm
supply voltage:	24 Volt

### Electronics:

- ECU integrated into the motor (logic and power)
- control of optional moduls possible via CAN bus
- programmable by hand programmer or PC based programming software tool
- additional programmable inputs and outputs

### Operator console:

- intelligent battery monitoring
- 5 preprogrammed drive characteristics
- continuously settable speed
- horn, charge connector

### Weight:

wheel with tire:	11,50 kg
operator console:	0,35 kg
distribution box:	0,11 kg

