

System HERKULES

Innovative high duty drive set

- ✓ *Space-saving*
- ✓ *Almost noiseless*
- ✓ *Excellent driving performance*
- ✓ *Individual parameterization*
- ✓ *Maintenance-free*
- ✓ *High efficiency*
- ✓ *Versatile*



Figure: HERKULES single wheel to mount a rubber coated running thread

Abb.: HERKULES Einzelrad zur Montage eines gummierten Laufbelagträgers

Components

- 2 driving wheels RN-EC 185.35 UB-I with integrated control unit, parking brake, power and control cables (tyres not included)
- 1 cable connecting box (70 x 50 x 25 mm)
- **Optional:** battery, charger, different operating units, various types of tyres

Technical data (per motor)

Motor	Rated voltage:	24 V DC
	Rated speed:	125 min ⁻¹
	Rated torque:	11,5 Nm (8,5 ft*lbf)
	Starting torque:	up to 70 Nm (52 ft*lbf)
	Rated power:	150 W (S1)
	Carrying capacity:	150 kg (330 lb) / wheel

Brake (optional)	Voltage:	24 V
	Holding torque:	50 Nm (37 ft*lbf)
	Holding current:	0,15 A battery current

Integrated electronics	Voltage range:	18-32 V
	Rated voltage:	24 V
	Current:	< 1mA (off-state) < 200 mA (ready for operation)
	Inputs:	analog (0-5 V) digital (threshold 4 V)
	Outputs:	digital, 500 mA
	Interfaces:	CAN 2.0B, ISO 9141
	System speed:	limited to 6 km/h (4 mph)

Weight	Wheel with tyre and brake:	11,5 kg
	Wheel with tyre and without brake:	9,5 kg

Features

- Brushless and gearless direct drive
- Very low noise level
- Maintenance-free
- Robust
- Running tread: Rubber coated or optionally flat proof tyre (two different degrees of hardness)
- Parking brake
- Automatically operated by integrated electronics
- Protected against reversed battery
- Integrated battery management
- Individually adapted to motor
- Diverse setpoint adapters permissible:
 - Radio control
 - Joy stick (PG Drives Technology Pilot+)
 - Operating handle control (analogue)
 - Switch
- No external electronics required

Product subject to technical changes without prior notice.

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