

Specifications

LEO 23 GT

TEUPEN[®]
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PERFORMANCE

| | |
|------------------------------------|--------------|
| Working height, max. | 23,00 m |
| Horizontal outreach with 200 kg | 11,20 m |
| Up-and-over clearance, max. | 11,50 m |
| Basket capacity | 200 kg |
| Movable jib | - |
| Basket rotation | 180° |
| Turret rotation | 360° |
| To be jacked up on ground slope of | 16,7°/30,0 % |
| Height and width track adjustment | 23/45 cm |
| Gradeability, max. | 16,7°/30,0 % |
| Slope angle | 15,5°/27,0 % |
| Travel speed | 1,3 km/h |

MEASUREMENTS

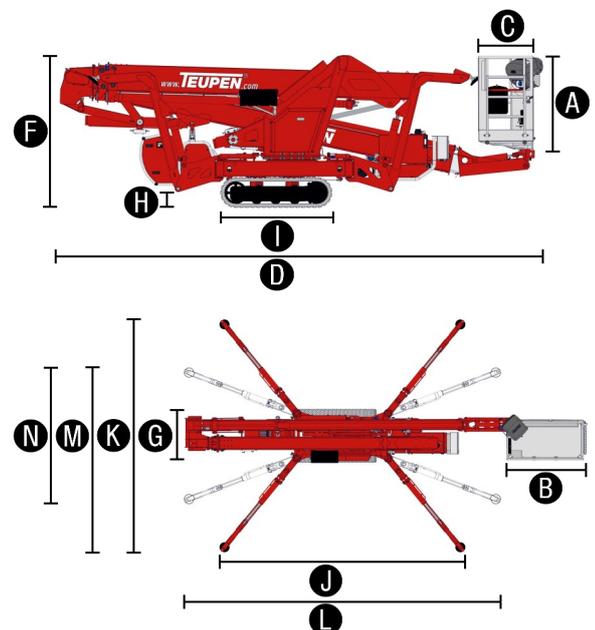
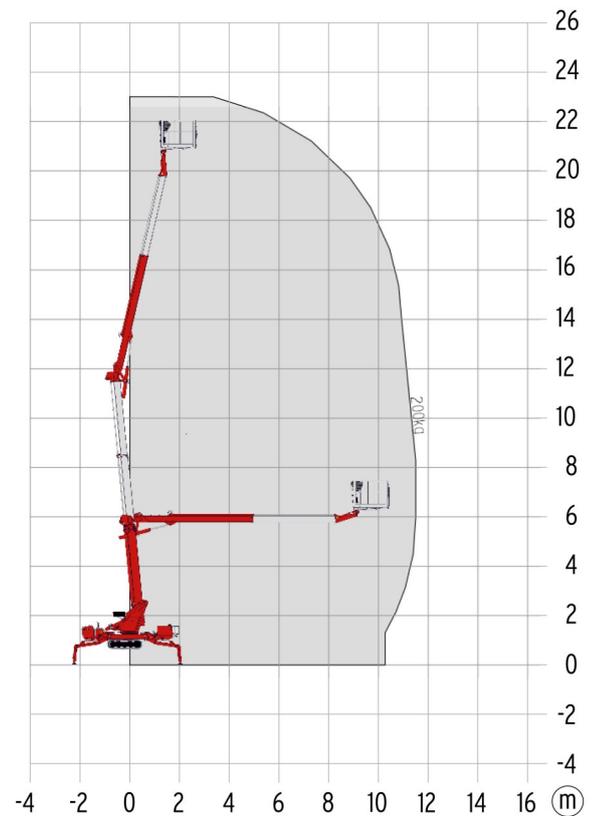
| | |
|---|-----------------|
| Platform height (A) | 1,10 m |
| Platform length (B) | 1,42 m |
| Platform width (C) | 0,70 m |
| Length, overall (D) | 6,20 m |
| Length without basket (E) | - |
| Height, travel position (F) | 1,97 m |
| Width, minimal overall width (G) | 0,98 m |
| Ground clearance, max. (H) | 0,40 m |
| Track (L x W) (I) | 1,45 m x 0,20 m |
| Length outrigger footprint standard (J) | 4,53 m |
| Width outrigger footprint standard (K) | 4,33 m |
| Length footprint one side narrow (L) | 5,98 m |
| Width footprint one side narrow (M) | 3,42 m |
| Width footprint both sides narrow (N) | 2,58 m |
| Outrigger plate Ø | 0,18 m |

WEIGHT

| | |
|--------------------------------------|------------------------|
| Total weight | 2990 kg |
| Live load in travelling position | 4,02 kN/m ² |
| Live load in working position | 1,78 kN/m ² |
| Point load per outrigger plate, max. | 22,40 kN |

POWER

| | |
|--|---|
| Standard power sources (electric and combustion engine) | 1) Electric: 230 V, 12,9 A, 2,2 kW 2) Diesel: Kubota Z 602 (10,8 kW/14,5 hp) |
| Optional power source | Li-Ion Battery: 48 V |
| Fuel tank capacity Diesel engine | 12,0l |



STANDARDS COMPLIANCE

2006/42/EC-Machinery directive
(Harmonised standard EN280:2001 + A2:2009); 2004/108/EC (EMC);
2000/14/EC (Noise emission directive - outdoor)

Features

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CHASSIS

- Powerful track drive with hydraulic braking system
- Precise maneuvering over sensitive electrohydraulic cable remote control
- Indoor non marking rubber track, with less tread depth the profile enables smooth
- Mechanically height- und width-adjustable track chassis

STABILISATION

- Fully-hydraulic, automatic levelling system with outrigger setup monitoring
- Variable outrigger system with one-side or both-sides narrow setup option
- Wear resistant, anti-friction PVC outrigger feet

BOOM SYSTEM

- Telescoping upper- and lower booms, trapezium-shaped aluminum profiles
- All functions are available from one control panel
- Electric-proportional controls with intuitive operator guidance
- Robust, lockable control panel with integrated operation function
- Self-levelling platform with electro-hydraulic levelling system
- Corner-mounted, 180° turnable basket for extra flexibility
- Boom rotation via high-performance slew ring, worm gear and hydraulic motor

POWER

- 230 V electric motor (EU)
- Kubota diesel engine Z602 (10,8 kW/14,5 hp) with electronically regulated engine control
- Start-Stop switch of combustion engine in the basket

PRODUCTIVITY, SAFETY, QUALITY

- 230 V (EU) power outlet in the basket
- Ergonomically shaped basket with eyelets for safety belts and tool tray
- High-quality paint in RAL 3020 (red)
- Hydraulic emergency lowering via hand pump
- Cables and hoses are safely routed through the boom structure
- Biodegradable hydraulic oil
- Lock valves - hydraulic return valves directly on all hydraulic cylinders
- Relief valves protecting the hydraulic system from too high pressures
- Protective covers for oil-tank, emergency controls and connecting cables and hoses
- Hour meter
- Complete second control box on the chassis and error analysis with display
- Fuzzy IV control technology

OPTIONS

- Li-Ion battery drive 48 V* instead of Diesel engine. This option can not be combined with the electric emergency lowering.
- Custom paintwork, one colour, according to RAL scheme (except metallic coatings, signal- or special colors)
- Custom paintwork, two colours, according to RAL scheme (except metallic coatings, signal- or special colors)
- Hydraulically height- und width-adjustable track chassis instead of the mechanically adjustable track chassis
- Electric emergency lowering (12 kg additional weight)
This option can not be combined with the battery drive
- White, non-marking rubber tracks with specially arranged

**When using the Low trailer is this option not possible to keep total weight below the permissible gross laden weight of 3,5t.*

ACCESSORIES

- Safety harness
- Outrigger pad (450 x 400 x 40 mm)
- Lockable storage frame for outrigger pads (additional weight: approx. 4 kg)
- 4 outrigger/sliding pads (700 x 220 x 60 mm)
- Track mat (2000 x 800 x 15 mm)
- 2 protective track covers, made of high-quality polypropylene fabric
- 4 covers on piston rod (outrigger/stabiliser) cylinders (additional weight: 10 kg)
- 2 LED headlights 10-30 V on engine unit
- Treecare package, consisting of:
 - Protective cover over control box
 - Protective cover telescoping cylinder
 - Covers on piston rod (outrigger/stabiliser) cylinders

TRAILER

- Tandem Low Platform trailer (aluminium)

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