

Specifications

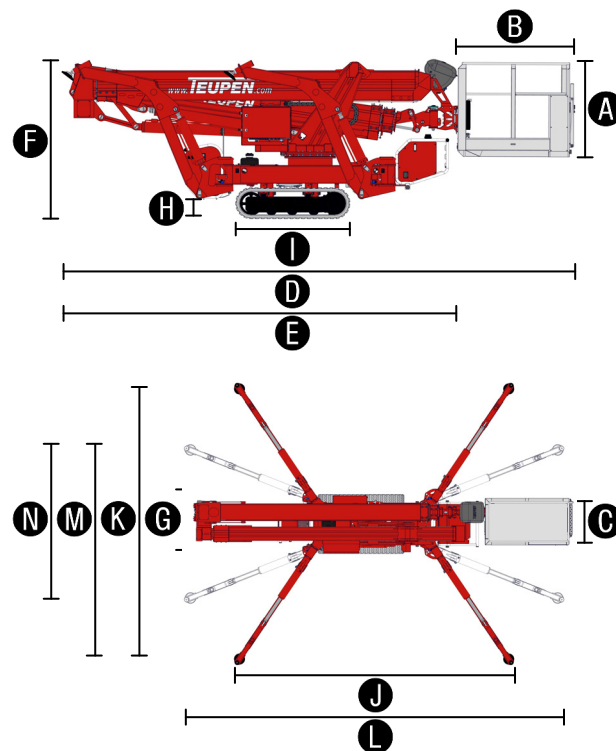
| MEASUREMENTS | Metric | US |
|---|-----------------|------------------|
| Working height, max. | 21,00 m | 68 ft 11 in |
| Horizontal outreach with 250 kg | 12,00 m | 39 ft 4 in |
| Up and Over Clearance, max. | 9,40 m | 30 ft 10 in |
| Platform height (A) | 1,10 m | 3 ft 7 in |
| Platform length (B) | 1,42 m | 4 ft 8 in |
| Platform width (C) | 0,77 m | 2 ft 4 in |
| Length, overall (D) | 6,40 m | 20 ft 12 in |
| Length without basket (E) | 5,00 m | 16 ft 5 in |
| Height, travelling position (F) | 1,99 m | 6 ft 6 in |
| Width, min. (G) | 0,98 m | 3 ft 3 in |
| Ground clearance, max. (H) | 0,44 m | 1 ft 5 in |
| Track (L x W) (I) | 1,45 m x 0,20 m | 4 ft 9 in x 8 in |
| Length outrigger footprint standard (J) | 4,70 m | 15 ft 5 in |
| Width outrigger footprint standard (K) | 4,70 m | 15 ft 5 in |
| Length footprint one side narrow (L) | 6,30 m | 20 ft 8 in |
| Width footprint one side narrow (M) | 3,60 m | 12 ft |
| Width footprint both sides narrow (N) | 2,50 m | 8 ft 2 in |
| Outrigger plate Ø | 0,18 m | 7 in |

| PRODUCTIVITY | Metric | US |
|------------------------------------|--------------|----------------|
| Basket capacity | 250 kg | 551 lbs |
| Movable Jib | - | - |
| Basket rotation | 180° | 180° |
| Turret rotation | 450° | 450° |
| To be jacked up on ground slope of | 16,7°/30,0 % | 16.7°/30.0 % |
| Height and width track adjustment | 19/46 cm | 7 in/1 ft 6 in |
| Gradeability, max. | 16,7°/30,0 % | 16.7°/30.0 % |
| Slope angle | 19,0°/34,0 % | 19.0°/34.0 % |
| Travel speed | 4,0 km/h | 2.5 mph |

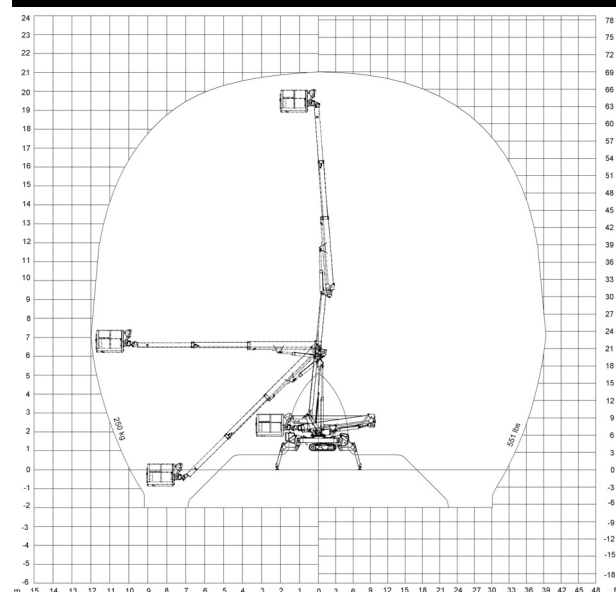
| WEIGHT | Metric | US |
|--------------------------------------|------------------------|----------|
| Total weight | 2980 kg | 6570 lbs |
| Live load in travelling position | 4,63 kN/m ² | 96.7 psf |
| Live load in working position | 1,57 kN/m ² | 32.8 psf |
| Point load per outrigger plate, max. | 23,70 kN | 5328 lbf |

| POWER | | |
|--|--|----------|
| Standard power sources (Electric and combustion engine) | 1) Electric: EU: 230 V, 12,9 A, 2,2 kW US: 115 V, 19,3 A, 1,6 kW 2) Petrol/Gas: Vanguard OHV 16 HP (11,93 kW/16 hp) | |
| Optional power source | Diesel: Kubota Z 602 (10,8 kW/14,5 hp) | |
| Fuel tank petrol/gas engine | 11,5 l | 2.91 gal |
| Fuel tank capacity Diesel engine | 11,5 l | 2.91 gal |

LEO21GT



WORKING ENVELOPE



STANDARDS COMPLIANCE



EN ISO 9001



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Features*

TRACK CHASSIS

- Powerful track drive with hydraulic braking system
- Precise maneuvering over sensitive electrohydraulic cable remote control
- Rubber tracks with specially arranged profile providing optimum grip
- White, non-marking rubber tracks
- Mechanically height- und width-adjustable track chassis

STABILISATION

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

BOOM SYSTEM

- Telescoping upper- and lower booms, trapezium-shaped with Teflon sliding blocks
- All functions are available from one control panel
- Electric-proportional controls with intuitive operator guidance
- Robust, lockable control panel with integrated operation and display function
- Self-levelling platform with fully-hydraulic levelling system
- Corner-mounted, 180° turnable basket for extra flexibility
- Boom rotation via high-performance slew ring, worm gear and hydraulic motor
- Resting support system prevents incorrect positioning of boom in transport bracket

POWER SOURCES

- 230 V electric motor (EU), 115 V electric motor (US)
- Vanguard OHP 16 HP petrol/gas engine (11,93 kW/16 hp)
- Start-Stop switch of combustion engine in the basket

PRODUCTIVITY, SAFETY, QUALITY

- 230 V (EU), 115 V (US) double power outlet in the basket
- Ergonomically shaped basket with eyelets for safety belts and tool tray
- Lockable storage box for cable remote control
- 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
- Protective covers for electric housing, ground control panel and telescopic cylinder
- Easily removable covers for optimal accessibility
- Hour meter
- Complete second control box on the chassis and error analysis with display
- Fuzzy IV control technology



OPTIONS

- Kubota Diesel engine Z602 (10,8 kW/14,5 hp) instead of petrol/gas engine
- 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 height- und width-adjustable track chassis
- 400 V electric drive instead of 230 V (115 V (US)) electric drive
- 2 headlights on engine unit
- Coming Home Function - automatic return of boom into transport position
- Automatic boom function cut off by a monitoring system of the access stair locking system

ACCESSORIES

- Outrigger/Stabiliser pad (450 x 400 x 40 mm/1 ft 5 in x 1 ft 4 in x 1 1/2 in)
- Lockable storage frame for outrigger/stabiliser pads
- 4 outrigger/sliding pads (650 x 220 x 60 mm/2 ft 2 in x 9 in x 2 1/3 in)
- Track mat (2000 x 800 x 15 mm/6 ft 6 in x 3 ft 3 in x 1/2 in) fits exactly into transport frame
- Safety harness
- 2 protective track covers, made of high-quality polypropylene fabric
- Treecare package, consisting of:
 - Protective cover over control box
 - Covers on piston rod (outrigger/stabiliser) cylinders
- 4 covers on piston rod (outrigger/stabiliser) cylinders (additional weight: 10 kg/22 lbs)

TRAILERS OR TRANSPORT FRAMES

- Tandem Low Platform trailer (aluminium)
- Subframe for truck Mitsubishi Canter* (Total weight: 450 kg/992 lbs)

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