

# Specifications\*

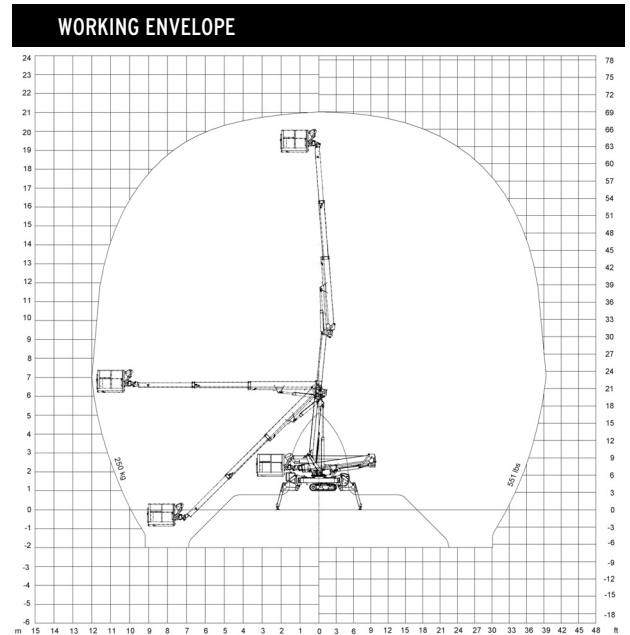
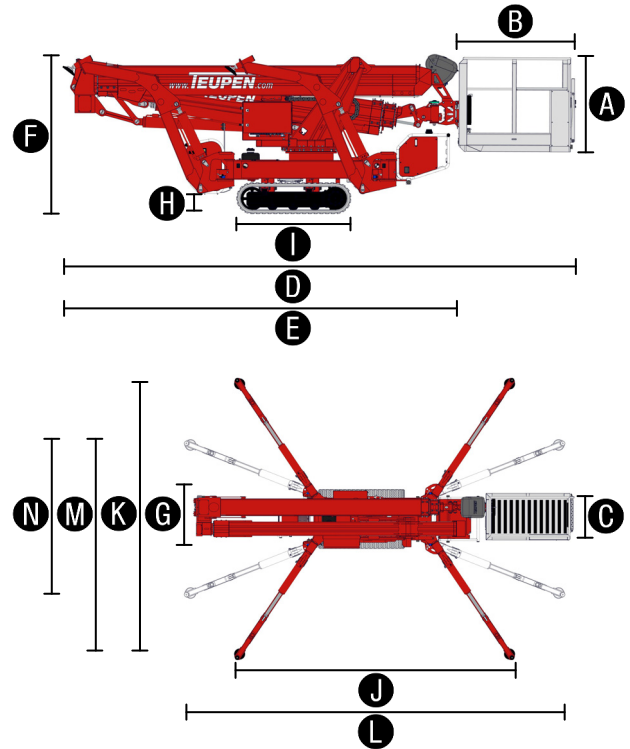
# LEO21GT

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.	9,50 m	31 ft 2 in
Platform height (A)	1,10 m	3 ft 7 in
Platform length (B)	1,40 m	4 ft 7 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)	4,68 m	15 ft 4 in
Width outrigger footprint standard (K)	4,68 m	15 ft 4 in
Length footprint one side narrow (L)	6,31 m	20 ft 8 in
Width footprint one side narrow (M)	3,66 m	12 ft
Width footprint both sides narrow (N)	2,64 m	8 ft 8 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	360°	360°
To be jacked up on ground slope of	16,7°/30 %	16,7°/30 %
Height and width track adjustment	19/46 cm	7 in/1 ft 6 in
Gradeability, max.	16,7°/30 %	16,7°/30 %
Slope angle	19,0°/34 %	19,0°/34 %
Travel speed	4,0 km/h	2.5 mph

WEIGHT	Metric	US
Total weight	2950 kg	6,504 lbs
Live load in travelling position	4,6 kN/m <sup>2</sup>	96.1 psf
Live load in working position	1,5 kN/m <sup>2</sup>	31.3 psf
Point load per outrigger plate, max.	23,7 kN	5328 lbf

POWER	
Standard power sources (Electric & combustion engine)	<b>1) Electric:</b> EU: 230 V, 12,9 A, 2,2 kW US: 115 V, 19.3 A, 1.6 kW <b>2) Petrol/Gas:</b> Vanguard OHV 16 HP (11,93 kW/16 hp)
Optional power source	<b>Diesel:</b> 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



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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
- Snap hooks on boom
- 4 covers on piston rod (outrigger/stabiliser) cylinders (10 kg/22 lbs additional weight)
- 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)
- Treecare package, consisting of:
  - Protective cover over control box
  - Covers on piston rod (outrigger/stabiliser) cylinders
- Hydraulically height- und width-adjustable track chassis instead of the mechanically height- and width-adjustable track chassis
- 400 V electric drive instead of 230 V (115 V (US)) electric drive
- Electric emergency lowering (12 kg/24 lbs additional weight)
- 2 headlights on engine unit
- Coming Home Function - automatic return of boom into transport position

## ACCESSORIES

- 4 outrigger/stabiliser pads (450 x 400 x 40 mm/1 ft 5 in x 1 ft 4 in x 1/2 in)
- Lockable storage frame for outrigger/stabiliser pads (4 kg/9 lbs additional weight)
- 4 outrigger/sliding pads (650 x 220 x 60 mm/2 ft 2 in x 9 in x 2/3 in)
- Track mats (2000 x 1000 x 15 mm/6 ft 6 in x 3 ft 3 in x 1/2 in), extra durable rubber
- Safety harness
- 2 protective track covers, made of high-quality polypropylene fabric
- Tandem Low Platform trailer (aluminium) including 4 tension belts (length 3,50 m/11 ft 6 in)
  - Permissible total weight: 3500 kg/7,716 lbs
  - Tandem rubber-sprung axle: 3500 kg/7,716 lbs
  - Net weight: approx. 430 kg/948 lbs
  - Wheels 155/70/R12 ET20
  - Lighting fitting according to EU directives

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