

# Specifications

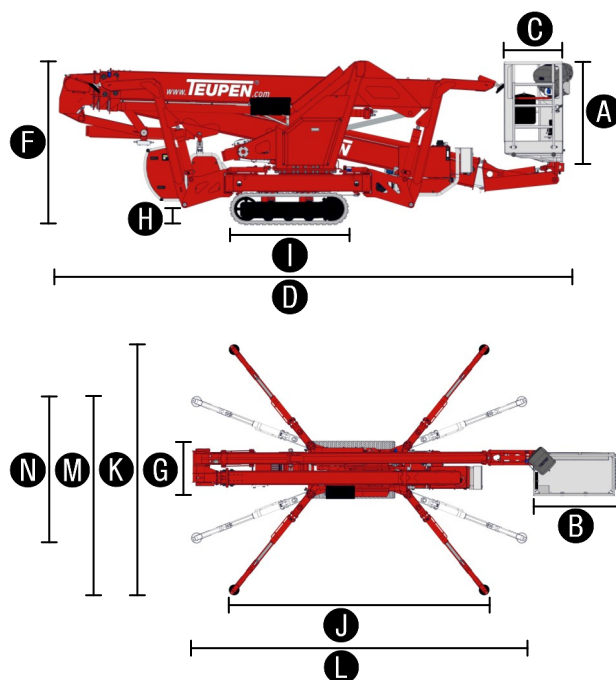
# LEO 23GT

MEASUREMENTS	Metric	US
Working height, max.	23,00 m	74 ft 10 in
Horizontal outreach with 200 kg	11,20 m	36 ft 8 in
Up-and-over clearance, max.	11,50 m	37 ft 9 in
Platform height (A)	1,10 m	3 ft 7 in
Platform length (B)	1,42 m	4 ft 8 in
Platform width (C)	0,70 m	2 ft 3 in
Length, overall (D)	6,20 m	20 ft 4 in
Length without basket (E)	-	-
Height, travelling position (F)	1,97 m	6 ft 6 in
Width, min. (G)	0,98 m	3 ft 3 in
Ground clearance, max. (H)	0,40 m	1 ft 3 in
Track (L x W) (I)	1,45 m x 0,20 m	4 ft 9 in x 7¾ in
Length outrigger footprint standard (J)	4,53 m	14 ft 10 in
Width outrigger footprint standard (K)	4,33 m	14 ft 3 in
Length footprint one side narrow (L)	5,98 m	19 ft 7 in
Width footprint one side narrow (M)	3,42 m	11 ft 3 in
Width footprint both sides narrow (N)	2,58 m	8 ft 6 in
Outrigger plate Ø	0,18 m	7 in

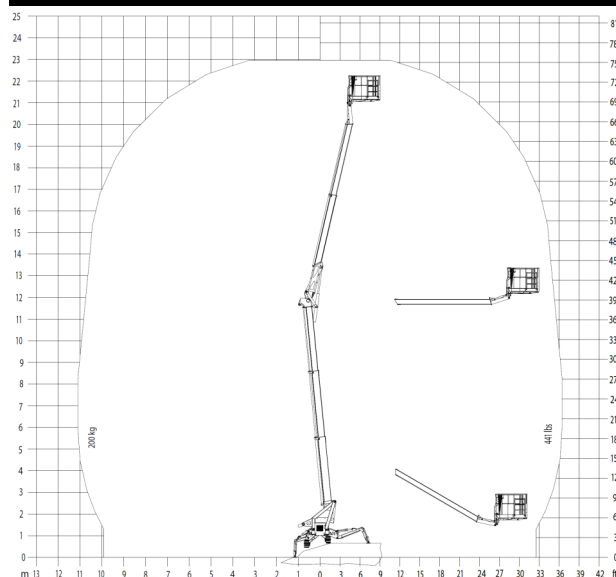
PRODUCTIVITY	Metric	US
Basket capacity	200 kg	441 lbs
Movable Jib	-	-
Basket rotation	180°	180°
Turret rotation	360°	360°
To be jacked up on ground slope of	16,7°/30,0 %	16.7°/30.0 %
Height and width track adjustment	23/45 cm	9/17¼ in
Gradeability, max.	16,7°/30,0 %	16.7°/30.0 %
Slope angle	15,5°/27,0 %	15.5°/27.0 %
Travel speed	1,3 km/h	0.8 mph

WEIGHT	Metric	US
Total weight	2990 kg	6592 lbs
Live load in travelling position	4,02 kN/m <sup>2</sup>	84.0 psf
Live load in working position	1,78 kN/m <sup>2</sup>	37.2 psf
Point load per outrigger plate, max.	22,4 kN	5036 lbf

POWER	
Standard power sources (Electric and combustion engine)	1) <b>Electric:</b> EU: 230 V, 12,9 A, 2,2 kW US: 115 V, 19.3 A, 1,6 kW 2) <b>Diesel:</b> Kubota Z 602 (10,8 kW/14,5 hp)
Optional power sources	<b>Li-Ion Battery:</b> 48 V
Fuel tank capacity Diesel engine	12,0 l 3.17 gal



## WORKING ENVELOPE



## STANDARDS COMPLIANCE



EN ISO 9001



ANSI A92.5-2006  
CSA B354.1-04  
EN 280:2001

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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
- Height- and width adjustable track chassis

## STABILISATION

- Fully-hydraulic, automatic levelling system with outrigger/stabiliser setup monitoring
- Variable stabiliser/outrigger 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 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)
- Kubota diesel engine Z602 with electronically regulated engine control
- Start-Stop switch of combustion engine in the basket

## PRODUCTIVITY, SAFETY, QUALITY

- 230 V (EU), 115 V (US) 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 over 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

- 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- and width-adjustable track chassis instead of the mechanically height- and width-adjustable track chassis
- Electric emergency lowering (12 kg/24 lbs additional weight)  
This option can not be combined with the battery drive

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

## ACCESSORIES

- Outrigger/Stabiliser pad (450 x 400 x 40 mm/1 ft 5 in x 1 ft 4 in x 1½ in)
- Lockable storage frame for outrigger/stabiliser pads (additional weight: 4 kg/9 lbs)
- 4 outrigger/sliding pads (700 x 220 x 60 mm/2 ft 3 in x 9 in x 2½ in)
- Track mat (2000 x 800 x 15 mm/6 ft 6 in x 3 ft 3 in x ½ in)
- Safety harness
- 2 protective track covers, made of high-quality polypropylene fabric
- Tree package consisting of:
  - Protective cover hydraulic tank
  - Protective cover ground control panel
  - Covers on piston rod (outrigger/stabiliser) cylinders
- 4 covers on piston rod (outrigger/stabiliser) cylinders (additional weight: 10 kg/22 lbs)
- 2 headlights on engine unit

## TRAILERS

- 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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