Technical data

LEO 21 GT

TEUPEN ...access redefined since '77

PERFORMANCE

Working height, max.	21,00 m
Platform height, max.	19,00 m
Horizontal outreach, max. (250 kg)	12,00 m
Up and over clearance, max.	9,44 m
Platform capacitiy, max.	250 kg
Jib, movable	-
Platform, rotatable	180 °
Turntable rotation, max.	450 °
To be jacked up on ground slope of	19.0 ° / 34.0 %
Track drive, height- and width-adjustable	19 / 46 cm
Gradeability, max.	16,7 ° / 30,0 %
Slope angle, max.	19,0 ° / 34,0 %
Travel speed, max.	2,0 km/h

MEASUREMENTS*

Platform (height) **(A)**	1,10 m
Platform (length) **(B)**	1,40 m
Platform (width) **(C)**	0,70 m
Length **(D)**	6,40 m
Length without platform **(E)**	5,05 m
Height **(F)**	1,99 m
Width, min. **(G)**	0,98 m
Ground clearance, max. **(H)**	0,44 m
Track (length x width) **(I)**	1,45 x 0,20 m
Outrigger footprint both side wide (length) **(J)**	4,70 m
Outrigger footprint both side wide (width) **(K)**	4,70 m
Outrigger footprint one side narrow (length) **(L)**	6,30 m
Outrigger footprint one side narrow (width) **(M)**	3,65 m
Outrigger footprint both sides narrow (width) **(N)**	2,65 m
Outrigger plate Ø	0,18 m

WEIGHT*

Total weight	3000 kg
Live load in travelling position	3,86 kN/m²
Live load in working position	1,58 kN/m²
Point load per outrigger plate, max.	23,70 kN

POWER SOURCES

Standard power sources:

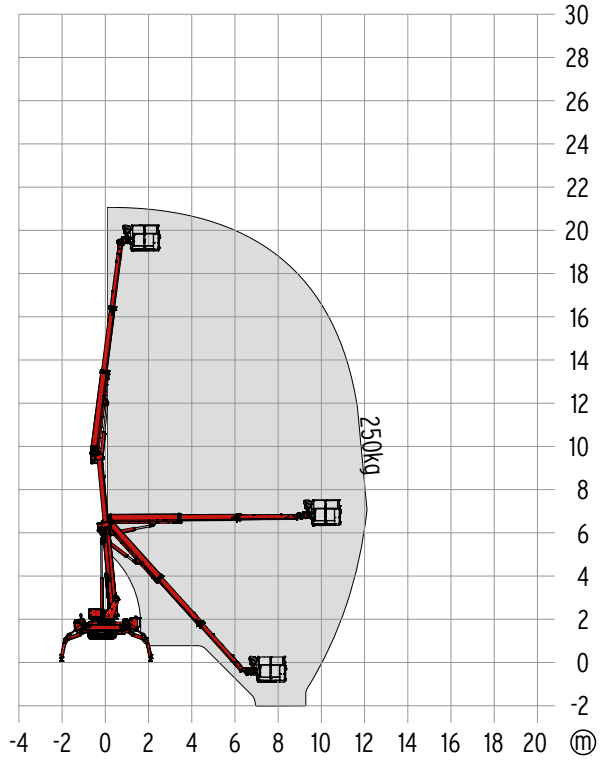
■ Electric motor	(country-specific 1-phase)
■ Combustion engine (petrol)	Vanguard OHV 16HP (11,93 kW / 16,0 hp)

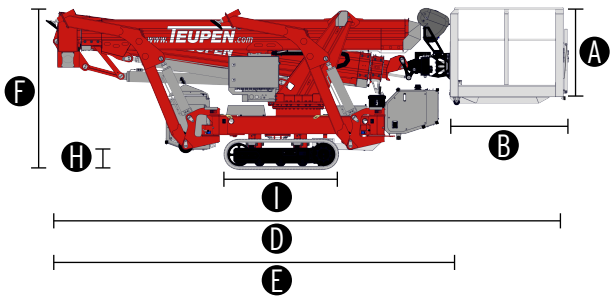
Optional power source:

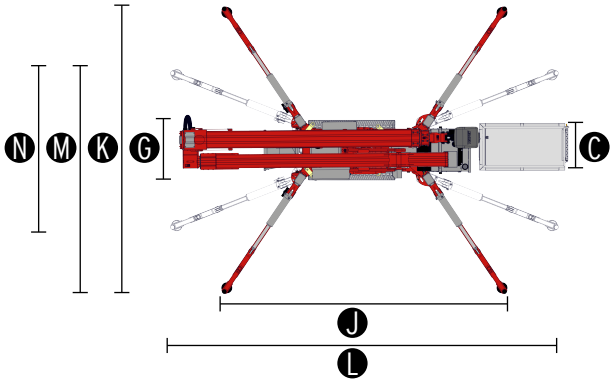
■ Combustion engine (Diesel)	Kubota Z602 (10,8 kW / 14,5 hp)
■ Battery drive (AGM)	48 V
Fuel tank capacity (petrol engine)	11,5 l
Fuel tank capacity (Diesel engine)	11,5 l

POWER SUPPLY

Electric current, max.	country-specific, on request







STANDARDS

Harmonised standard DIN EN 280:2016

The technical data may deviate +/- 3 % from the specified values.
* Weight and dimensions may vary depending on options and accessories.

Equipment

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CHASSIS

- Powerful track drive with hydraulic braking system
- Precise manoeuvring via sensitive remote control
- Indoor non-marking rubber tracks, with less tread depth the profile enables smooth travelling
- Hydraulically height- and width-adjustable crawler track drive

STABILISATION

- Electrohydraulic stabilisation with automatic levelling and ground pressure sensor system
- Variable outrigger system with one side or both sides narrow setup option
- Wear resistent, ant-friction outrigger pads

BOOM SYSTEM

- Telescopic lower and upper boom
- All functions available via radio remote control
- Robust, lockable control panel

POWER SOURCE

- Electric motor (country-specific 1-phase)
- Petrol engine Vanguard OHV 16HP (11,93 kW / 16,0 hp)
- Start-stop device for combustion engine in the platform

PRODUCTIVITY, SAFETY, QUALITY

- Hydraulic emergency lowering via hand pump
- Power socket in the platform (country-specific 1-phase)
- Detachable platform, attachment points for safety harnesses and tool tray
- Drive operation without platform possible
- Protected, internal power track for platform control
- Hydraulic system filled with biodegradable hydraulic oil
- High-quality paint in RAL 3020 (red)
  - Hydraulic cylinders in RAL 9006 (white aluminium)
  - Engine unit & component support in RAL 9006 (white aluminium)
- Unlockable check valves located directly on hydraulic cylinders
- Hydraulic system protected by pressure relief valves
- Display in the control panel
- Hour meter

OPTIONS*

- Diesel engine Kubota Z602 (10,8 kW / 14,5 hp)
- Battery drive (AGM) 48 V including charging device
- Custom paintwork, one colour, according to RAL scheme
  - (except metallic coatings, signal- or special colours)
- Custom paintwork, two colours, according to RAL scheme
  - (except metallic coatings, signal- or special colours)
- White, non-marking rubber tracks with specially arranged profile for optimal grip
- Water and air connection, platform

ACCESSORIES*

- Safety harness
- 4 sliding pads (700 x 220 x 60 mm)
- 2 protective track covers made of high-quality polypropylene fabric
- Track mat (2000 x 800 x 15 mm)
- Lifting device (300 kg capacity)
  - Only in combination with platform ladder monitoring system
- Tree package light - 4 covers, piston rod (outrigger)
- Tree package, including
  - Cover (control box, turntable)
  - Tree package light - 4 covers, piston rod (outrigger)
- 2 LED headlights (combustion engine)
- 2 LED headlights (battery drive)
- Platform (900 x 800 mm)
- Coming home function - automatic return of the boom into transport position
- Platform ladder monitoring system with boom function cut-off
- Emergency lowering via electric pump, including additional hydraulic drive (12 V) for boom recovery via platform control
- TOP level 1

TRAILER

- Tandem low platform trailer (aluminium)
  - Maximum permissible weight (3,5 t)
  - Net weight (460 kg)
  - Payload (3040 kg)
- Tandem low platform trailer (aluminium), including ramps
  - Maximum permissible weight (3,5 t)
  - Net weight (500 kg)
  - Payload (3000 kg)

CONTACT

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* Weight and dimensions may vary depending on options and accessories.

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