

Technical data

LEO 27 GT plus

preliminary

TEUPEN[®]
...access redefined

since '77

PERFORMANCE

Working height, max.	27,00 m
Platform height, max.	25,00 m
Horizontal outreach, max. (100 kg)	14,30 m
Horizontal outreach, max. (250 kg)	12,50 m
Negative reach, max.	5,00 m
Up and over clearance, max.	12,00 m
Platform capacity, max.	250 kg
Jib, movable	165°
Platform, rotatable	180°
Turntable rotation, max.	450°
To be jacked up on ground slope of	16,7° / 30,0%
Track drive, height- and width-adjustable	26 / 42 cm
Gradeability, max.	16,7° / 30,0%
Slope angle, max.	16,7° / 30,0%
Travel speed, max.	2,5 km/h

MEASUREMENTS*

Platform (height) (A)	1,10 m
Platform (length) (B)	1,40 m
Platform (width) (C)	0,70 m
Length (D)	6,45 m
Length without platform (E)	6,45 m
Height (F)	1,99 m
Width, min. (G)	0,89 m
Ground clearance, max. (H)	0,31 m
Track (length x width) (I)	1,50 x 0,23 m
Outrigger:	
■ wide (length) (J) X (width) (K)	4,90 m / 4,70 m
■ narrow (length) (L) X (length) (M)	6,50 m / 2,99 m
■ left or right narrow (width) (N)	3,90 m
■ front or back narrow (length) (O)	5,68 m
Outrigger plate Ø	0,18 m

WEIGHT*

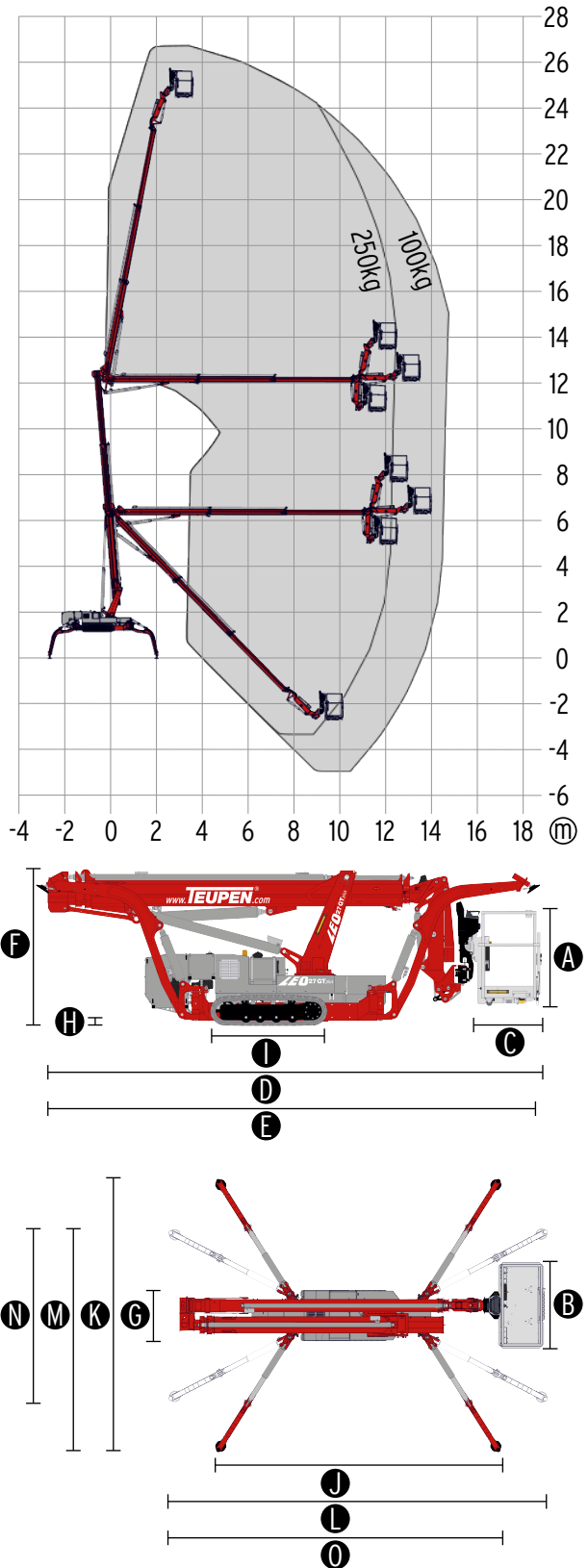
Total weight	3870 kg
Live load in travelling position	4,90 kN/m ²
Live load in working position	1,75 kN/m ²
Point load per outrigger plate, max.	29,00 kN

POWER SOURCES

Standard power sources:	
■ Electric motor	(230 V, 12,9 A, 2,2 kW)
■ Combustion engine (Diesel)	Kubota Z602 (10,8 kW / 14,5 hp)
Fuel tank capacity (Diesel engine)	11,50 l

POWER SUPPLY

Electric current, max.	230 V / 16 A
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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
 - wide supported
 - narrowly supported
 - left or right supported
 - front or back supported
- Wear resistant, ant-friction outrigger pads

BOOM SYSTEM

- Telescopic lower and upper boom
- All functions available via radio remote control
- Platform positioning into negative work area up to 5 meters below set up level
- 180° platform rotation for additional flexibility
- Jib movable by 165°
- Platform changing system
- Coming home function - automatic return of the boom into transport position

POWER SOURCE

- Electric motor (230 V, 12,9 A, 2,2 kW)
- Diesel engine Kubota Z602 (10,8 kW / 14,5 hp)
- Start-stop device for combustion engine via radio control

PRODUCTIVITY, SAFETY, QUALITY

- Power socket in the platform (110 V / 16 A)
- USB socket in the control panel (5 V)
- Power socket in the control panel (12 V / 5 A)
- Drive operation without platform possible
- Lockable storage box
- 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
- Hydraulic tank, emergency control, connecting cables and hoses are mounted protected
- Colour display in the control panel
- Additional color display in the chassis
- TEUPEN Fuzzy V control technology with new intuitive operating concept
- Additional hydraulic drive for boom recovery via platform control

OPTIONS*

- Battery drive (AGM) 48 V including charging device (as of approx. Q3/2024)
- Battery drive (Lithium) 48 V including charging device (as of approx. Q3/2024)
- 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)
- Water and air connection, jib

ACCESSORIES*

- Safety harness
- Track mat (2000 x 800 x 15 mm)
- 4 sliding pads (700 x 220 x 60 mm)
- TOP
- Tree package, including
 - Tree package light - 4 covers, piston rod (outrigger)
- 8 flashlights (outriggers)
- 2 LED headlights (drive unit)
- 3 LED flashlights (turntable)
- 4 LED flashlights (platform, Alu)
- 2 LED flashlights (underneath the platform, Alu)
- 1 LED headlight (platform, Alu)
- Platform (GFK), including platform holder (700 x 700 mm)
 - Attention, Machine is not insulated!
 - Platform capacity, max. 158 kg
- Lifting device (300 kg capacity)
- Copper strips, pivot point
- Platform ladder monitoring system with boom function cut-off (Platform, Alu)

CONTACT

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

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