

TEUPEN®

...access redefined

The new T-Series

LE023T

Working height, max.:
23,20 m

Horizontal outreach, max.:
12,50 m

LE035T

Working height, max.:
34,60 m

Horizontal outreach, max.:
16,90 m

- User-friendly, equipped with an interactive display
- Light, low surface load for use on sensitive flooring
- Smooth, proportional electro-hydraulic controls
- Reliable and comprehensive safety control system
- Hydrostatic platform leveling
- Automatic, multi-position and self leveling outriggers
- Hydraulically adjustable tracks
- Fuzzy IV control logic with interactive user display
- Dual Power (Diesel and electric) for indoor and outdoor use

www.TEUPEN.com

TEUPEN Maschinenbau GmbH
phone +49 2562 8161 0
fax +49 2562 8161 888
mail@teupen.com



The models of a new era

Accessing jobsites at height safely and efficiently often poses unsolvable challenges to building managers. Narrow entrances, confined work areas and floor load restrictions can make the use of standard aerial lifts impossible.

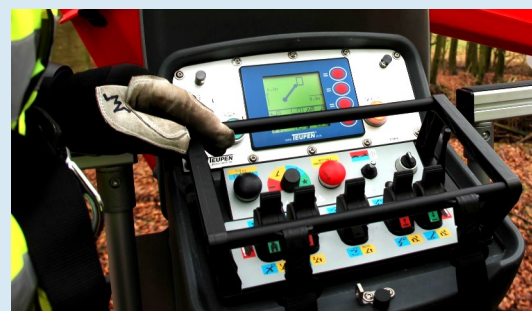
With the LEO Series®, TEUPEN offers the original tracked aerial lift in a complete range for demanding indoor and rugged outdoor applications from 12 to outstanding 50 metres working height.



LEOSERIES



LEO SERIES



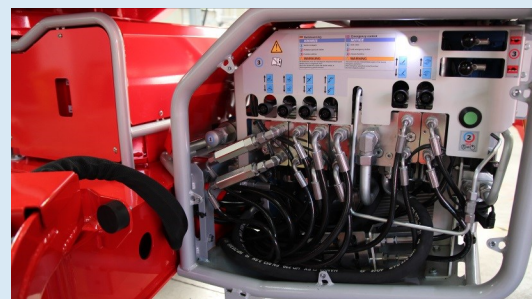
A clearly arranged control panel on the radio remote control with interactive display and a „coming home function“ for automatic return of boom into transport position.



A boom speed control depending on range, swivelling even over narrow outrigger setting. The multi-position stabiliser system offers three different setup positions: Both sides wide, one side wide and one side narrow or both sides narrow.

Top Features:

- Light** – Low ground pressure to protect sensitive surfaces
- Versatile** – Highest maneuverability on white rubber tracks
- Easy** – Automatic, multi-position and self leveling outriggers
- Simple** – Color coded and well-arranged control panel
- User-friendly** – Equipped with an interactive display
- Power** – Multiple power sources for indoor and outdoor work



The direct hydraulic operating system is easily accessible and follows an easy and intuitive 1-2-3 guidance system.



All the new T models features a 180° rotatable platform and a movable jib for more versatility when positioning the platform into tight spots, working alongside façades or in trees.

Technical data



TEUPEN[®]
...access redefined

since '77

PERFORMANCE

Working height, max.	23,20 m
Platform height, max.	21,20 m
Horizontal outreach, max. (250 kg)	12,50 m
Horizontal outreach, max. (80 kg)	15,60 m
Platform capacity, max.	250 kg
Jib, movable	180 °
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	19 / 46 cm
Gradeability, max.	16,7 ° / 30,0 %
Slope angle, max.	19,0 ° / 34,0 %
Travel speed, max.	4,0 km/h

MEASUREMENTS*

Platform (height) (A)	1,10 m
Platform (length) (B)	1,20 m
Platform (width) (C)	0,80 m
Length (D)	6,20 m
Length without platform (E)	6,20 m
Height (F)	1,99 m
Width, min. (G)	0,99 m
Ground clearance, max. (H)	0,42 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	3050 kg
Live load in travelling position	3,90 kN/m ²
Live load in working position	1,60 kN/m ²
Point load per outrigger plate, max.	23,70 kN

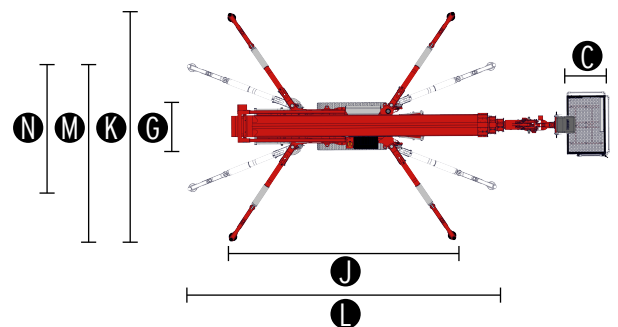
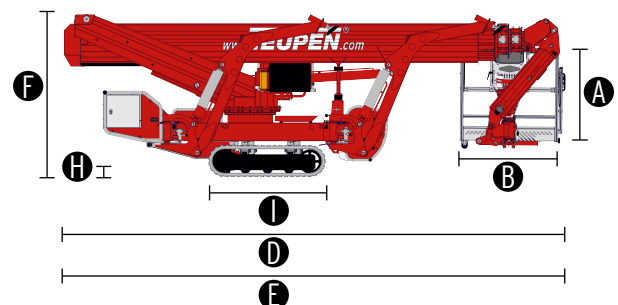
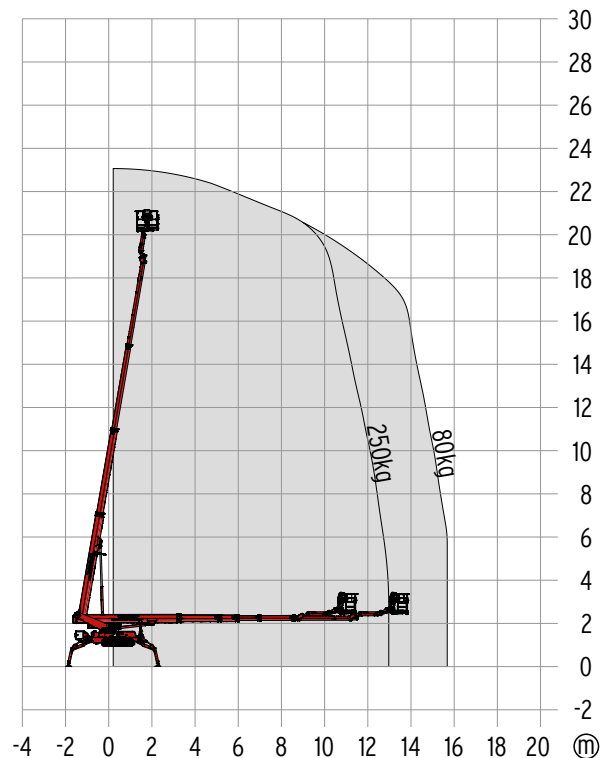
POWER SOURCES

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)	25,0 l

POWER SUPPLY

Electric current, max.	230 V / 16 A
------------------------	--------------



STANDARDS

2006/42/EG-Machinery directive
(Harmonised standard EN280:2013); 2004/108/EG (EMV);
2000/14/EG (Noise emission directive)

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

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 resistant, ant-friction outrigger pads

BOOM SYSTEM

- Telescopic boom with special edge profiles made of high-strength steel
- All functions available via radio remote control
- Stepless, electrical proportional control system with intuitive operation
- Robust, lockable control panel
- Parallel guided platform with electro hydraulic levelling
- 180° platform rotation for additional flexibility
- Turntable rotation via high-performance slewing ring, worm gear and hydraulic motor

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 in the platform

PRODUCTIVITY, SAFETY, QUALITY

- Hydraulic emergency lowering via electric pump
- Additional hydraulic drive (12 V) for boom recovery via platform control
- Power socket in the platform (110 V / 16 A)
- Detachable platform, attachment points for safety harnesses and tool tray
- 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 (grey)
- 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
- Hour meter
- Fuzzy control technology

CONFIGURATION REDLINE

- Platform ladder monitoring system with boom function cut-off
- Coming home and memory function
- Tree package, including
 - Cover (control box, turntable)
 - Cover (hydraulic and fuel tank)
 - 4 covers, piston rod (outrigger)
- 4 sliding pads (850 x 340 x 75 mm)
- Additional display in the control box

OPTIONS*

- 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

ACCESSORIES*

- Safety harness
- Track mat (2000 x 800 x 15 mm)
- 2 protective track covers made of high-quality polypropylene fabric
- Lifting device (300 kg capacity)
- Lighting package 1:
 - 2 LED headlights (combustion engine)
 - 2 LED headlights (turntable)
- Lighting package 2:
 - 8 flashlights (outriggers)
 - 3 flashlights (turntable)
 - 3 flashlights (platform)
- Lighting package 3:
 - 2 LED headlights (platform)
- TOP level 1

TRAILER OR SUBFRAME

- Tandem low platform trailer (aluminium)
 - Maximum permissible weight (3,5 t)
 - Net weight (460 kg)
 - Payload (3040 kg)
- Subframe for truck Mitsubishi Canter (7,5 t)
 - Net weight subframe (450 kg)
- Subframe for truck Mercedes Atego (10,0 t)
 - Net weight subframe (450 kg)
- Subframe for truck Mercedes Atego (12,0 t)
 - Net weight subframe (460 kg)

CONTACT

TEUPEN Maschinenbau GmbH
Marie-Curie-Str.13
48599 Gronau
Germany

Phone +49 2562 8161-0
Fax +49 2562 8161-888
E-mail mail@teupen.com

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

Product specifications are subject to change without notice or obligation. Photographs and drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment. Failure to follow the appropriate Operator's Manual when using our equipment or to otherwise act irresponsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and we make no other warranty, expressed or implied. Products and services listed may be trademarks, service marks or trade-names of TEUPEN Maschinenbau GmbH and/or its subsidiaries in the U.S.A. and many other countries. "TEUPEN", "Access redefined" and "LEO Series" are registered Trademarks of Teupen GmbH in the United States of America and many other countries. © 2018 TEUPEN Maschinenbau GmbH.

