

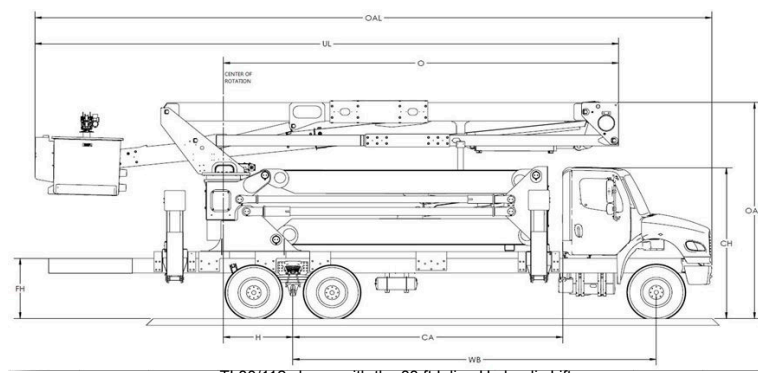
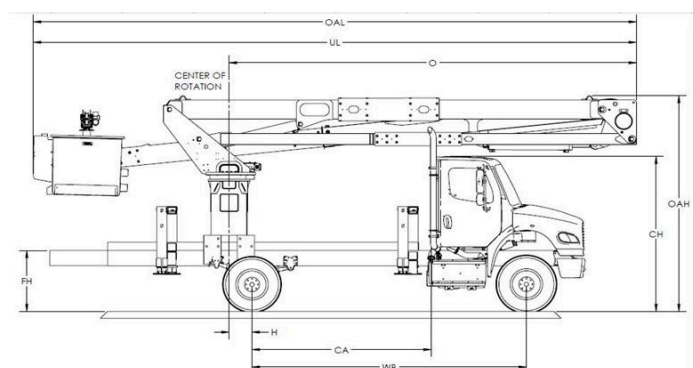


TL TRANSMISSION AERIAL DEVICES

Hi-Ranger Telescopic, Material Handling,
Transmission Aerial Device

AERIAL DEVICE

Terex® Hi-Ranger Aerial Devices are known throughout the industry. They come with a long history featuring quality and innovative design.



TL80/112 shown with the 33 ft Inline Hydraulic Lift

Measurements	TL80	TL100	TL80/112
Typical Frame Height (FH)	40 in. (101.6 cm)	40 in. (101.6 cm)	40 in. (101.6 cm)
Typical Cab Height (CH)	104 in. (264.1 cm)	108 in. (274.3 cm)	108 in. (274.3 cm)
Offset (O)	282 in. (716.3 cm)	342 in. (868.7 cm)	282 in. (716.3 cm)
Overall Height (OAH)	12' 6" (3.8 m)	12' 6" (3.8 m)	13' 1" (4.0 m)
Overall Length (OAL)	34' 9" (10.6 m)	40 ft (12.2 m)	40 ft (12.2 m)
Unit Length (UL)	34' 9" (10.6 m)	40 ft (12.2 m)	34' 9" (10.6 m)
Center of Rotation (H)	9.5 in. (24.1 cm)	21 in. (53.3 cm)	40.7 in. (103.3 cm)
Cab to Axle (CA)	138 in. (350.5 cm)	163 in. (414.0 cm)	194 in. (492.8 cm)
Wheel Base (WB)	204 in. (518.2 cm)	229 in. (581.7 cm)	260 in. (660.4 cm)
Front Axle (FA)	14,000 lb. (6,350.3kg)	16,000 lb. (7,257.5 kg)	18,000 lb. (8,164.7 kg)
Rear Axle (RA)	20,000 lb. (9,071.8 kg)	34,000 lb. (15,422.1 kg)	34,000 lb. (15,422.1kg)
Gross Vehicle Weight Rating (GVWR)	33,000 lb. (14,968.6 kg)	50,000 lb. (22,679.6 kg)	52,000 lb. (23,586.8 kg)
Recommended Weight for Stability	30,000 lb. (13,607.8 kg)	40,000 lb. (18,143.7 kg)	48,000 lb. (21,772.4 kg)
Frame Section Modulus	18 in ³	18.0 in ³	18.0 in ³
Frame Yield Strength	50,000 psi	50,000 psi	50,000 psi
Frame RBM	900,000 in-lbs	900,000 in-lbs	900,000 in-lbs



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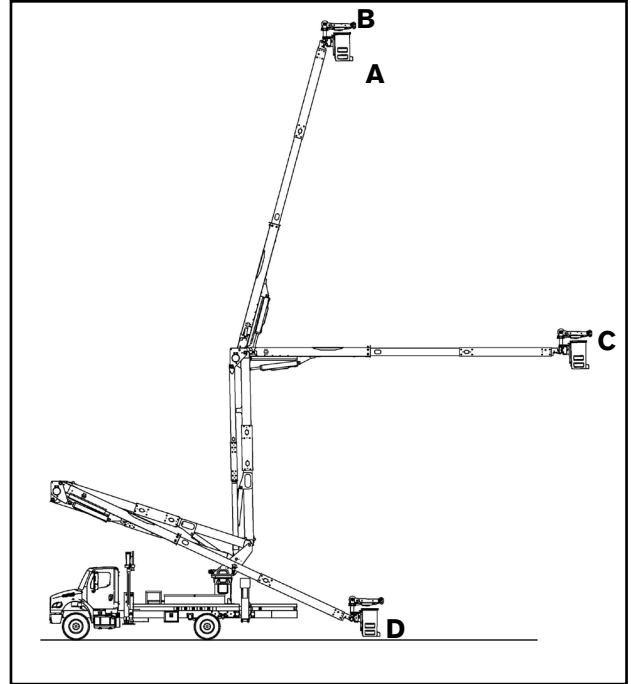
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TL TRANSMISSION AERIAL DEVICE

Hi-Ranger Telescopic, Material Handling, Transmission Aerial Device

STANDARD EQUIPMENT

- End-Mount 24" x 48" x 42" Two-Person Platform
- Platform Capacity of up to 700 lb (317.5 kg)
- 4-Function Single Stick
- Safety Harness with Attached Lanyard
- Platform Rotator provides 180 Degrees of Rotation
- Continuous Unrestricted Worm Gear Rotation
- Category "C" Rating Per ANSI A92.2
- Rectangular, Bi-Axial Epoxy Resin, Filament Wound Fiberglass Booms
- Individual Lever Lower Controls
- Two Speed Manual Throttle Control
- Hydraulic Platform Leveling System
- Steel Main Boom
- Fiberglass Second Section Boom
- Fiberglass Lower Boom Insert
- Full Pressure, Open-Center Hydraulic System
- Dual Hydraulic Tools with Flow Control
- Engine Stop / Start
- 35 Gallon Hydraulic Oil Reservoir w/ Sight & Temp Gauge (TL80)
- 50 Gallon Hydraulic Oil Reservoir w/ Sight & Temp Gauge (TL100 & TL80/112)
- Padded Lower Boom Rest
- Outrigger Interlock
- Moving Outrigger Alarm
- Truck Level Indicator



CAPACITIES & DIMENSIONAL DATA (Based on a 40 inch Frame Height)

Model	TL80	TL100	TL80/112
Bottom of Platform (A)	75.0 ft (22.9 m)	95.0 ft (29.0 m)	107.0 ft (32.6 m)
Working Height (B)	80.0 ft (24.4 m)	100.0 ft (30.5 m)	112.0 ft (34.1 m)
Horizontal Reach (C)	47.2 ft (14.4 m)	61.9 ft (18.9 m)	63.3 ft (19.3 m)*
Bottom of Platform to Ground (D)	.92 in. (2.3 cm)	-3.14 in. (-8.0 cm)	9.43 in. (24.0 cm)
Upper Boom Extension	138 in. (350.5 cm)	251.7 in. (639.3 cm)	138 in. (350.5 cm)
Lower Boom Articulation	0 to 88°	0 to 88°	0 to 88°
Upper Boom Travel	75° to -25°	75° to -25°	75° to -25°
Lower Boom Insulation Gap	24 in. (61.0 cm)	24 in. (61.0 cm)	24 in. (61.0 cm)
Upper Boom Insulation Gap	104 in. (264.2 cm)	52 in. (132.1 cm)	104 in. (264.2 cm)

*Maximum side reach shown over the rear of unit. Side reach reduced in other positions.

OPTIONAL EQUIPMENT

- Various Platform Covers
- Side Mount 24" x 48" x 42" Two-Person Platform
- Liners With or Without Steps
- 24" Platform Lifter (TL80 & TL80/112 Side Mt. Only) (Side Mt. Capacity 600 lbs)
- TL80 with Side Mount/Platform Lifter has 90° Platform Rotation
- Jib Options
 - Hydraulic Articulated, Hydraulic Extend Jib/Winch, Side Mt. 2000 lbs. Capacity
 - Hydraulic Articulated, Hydraulic Extend, 90° Jib Winch, End Mt. 1500 lbs Capacity (TL80 & TL80/112) / 1000 lbs Capacity (TL100)
 - Single Wire / 46 Kv Insulated Single Line Lifter / Multi-Phase Attachments
- Lower Boom Lifting Eye
- Category A Dielectric Rating (TL80 & TL80/112 only)
- Category B Dielectric Rating
- Auxiliary Power
- Auxiliary Let Down System
- Outrigger Sag Light
- Various Types of Outriggers
- Truck Grounding Cable & Clamp

Effective Date: September 2019 Product specifications and prices are subject to change without notice or obligation. The photographs and/or 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 Terex makes no other warranty, express or implied. Products and services listed may be trademarks, service marks or trade names of Terex Corporation and/or its subsidiaries in the USA and other countries. All rights are reserved. Terex® is a registered trademark of Terex Corporation in the USA and many other countries. Copyright 2019 Terex Corporation.