

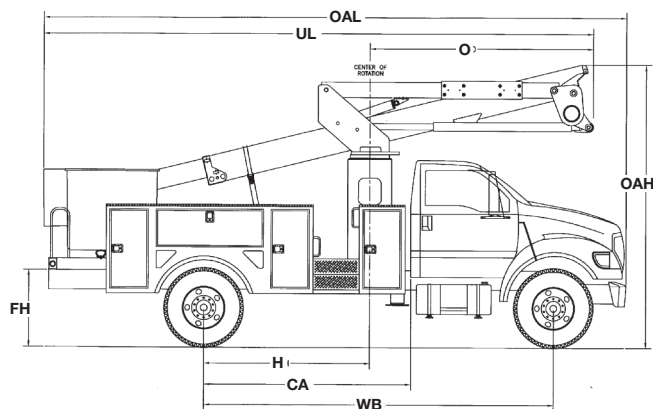
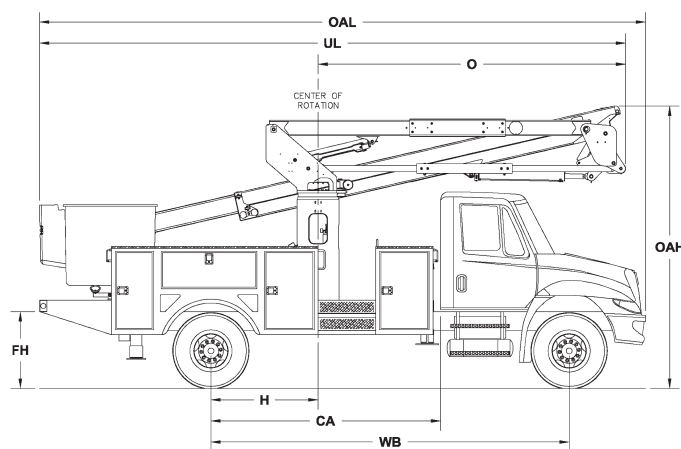
**TEREX®**

# TL SERIES

## Hi-Ranger Telescopic Material Handling Aerial Device

### AERIAL DEVICES

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

**TL37 - TL50****TL55 - TL60**

| Measurements                       | TL37                     |                          | TL41                     |                            | TL45  |                           | TL50  |                           | TL55  |                    | TL60  |                   |
|------------------------------------|--------------------------|--------------------------|--------------------------|----------------------------|---|---------------------------|---|---------------------------|---|--------------------|---|-------------------|
|                                    | TL37P                    | TL37M                    | TL41P                    | TL41M                      | TL45P                                       | TL45M                     | TL50P                                       | TL50M                     | TL55P                                       | TL55M              | TL60P                                       | TL60M             |
| Frame Height (FH)                  | 32 in.<br>(81.3 cm)      |                          | 32 in.<br>(81.3 cm)      |                            | 40 in.<br>(101.6 cm)                        |                           | 40 in.<br>(101.6 cm)                        |                           | 40 in.<br>(101.6 cm)                        |                    | 40 in.<br>(101.6 cm)                        |                   |
| Offset (O)                         | 72.5 in.<br>(184.2 cm)   |                          | 84.5 in.<br>(214.6 cm)   |                            | 114.6 in.<br>(291.1 cm)                     |                           | 114.6 in.<br>(291.1 cm)                     |                           | 161 in.<br>(408.9 cm)                       |                    | 200 in.<br>(508 cm)                         |                   |
| Overall Height (OAH)               | 10' 7"<br>(3.2 m)        |                          | 10' 7"<br>(3.2 m)        |                            | 11' 3"<br>(3.4 m)                           |                           | 11' 3"<br>(3.4 m)                           |                           | 11' 3"<br>(3.4 m)                           |                    | 11' 3"<br>(3.4 m)                           |                   |
| Overall Length (OAL)               | 23' 5"<br>(7.1 m)        | 23' 1"<br>(7.0 m)        | 23' 8"<br>(7.2 m)        | 23' 4"<br>(7.1 m)          | 20' 5"<br>(6.2 m)                           | 20' 9"<br>(6.3 m)         | 25' 4"<br>(7.7 m)                           | 24' 10"<br>(7.6 m)        | 26' 5"<br>(8.1 m)                           | 25' 11"<br>(7.6 m) | 27' 3"<br>(8.3 m)                           | 26' 9"<br>(8.2 m) |
| Unit Length (UL)                   | 17' 9"<br>(5.4 m)        |                          | 19' 0"<br>(5.8 m)        |                            | 19' 0"<br>(5.8 m)                           |                           | 23' 10"<br>(7.3 m)                          |                           | 25' 6"<br>(8.1 m)                           | 25' 0"<br>(7.6 m)  | 27' 3"<br>(8.3 m)                           | 26' 9"<br>(8.2 m) |
| Center of Rotation (H)             | 62.5 in.<br>(158.8 cm)   |                          | 62.5 in.<br>(158.8 cm)   |                            | 62.5 in.<br>(158.8 cm)                      |                           | 82.25 in.<br>(208.9 cm)                     |                           | 56 in.<br>(142.2 cm)                        |                    | 37 in.<br>(94 cm)                           |                   |
| Cab to Axle (CA)                   | 84 in.<br>(213.4 cm)     |                          | 84 in.<br>(213.4 cm)     | **See PD 3062              | 84 in.<br>(213.4 cm)                        |                           | 102 in.<br>(259.1 cm)                       |                           | 120 in.<br>(304.8 cm)                       |                    | 120 in.<br>(304.8 cm)                       |                   |
| Wheel Base (WB)                    | 158 in.<br>(401.3 cm)    |                          | 158 in.<br>(401.3 cm)    | **See PD 3062              | 158 in.<br>(401.3 cm)                       |                           | 176 in.<br>(447.0 cm)                       |                           | 187 in.<br>(475 cm)                         |                    | 187 in.<br>(475 cm)                         |                   |
| Front Axle (GAWR)                  | 6,500 lb.<br>(2,948 kg)  | 6,500 lb.<br>(2,948 kg)  | 7,000 lb.<br>(3,175 kg)  | 8,000 lb.<br>(3,628.7 kg)  | 10,000 lb.<br>(4,536 kg)                    | 10,000 lb.<br>(4,536 kg)  | 10,000 lb.<br>(4,536 kg)                    | 12,000 lb.<br>(5,443 kg)  | 14,000 lb.<br>(6,350 kg)                    |                    | 14,000 lb.<br>(6,350 kg)                    |                   |
| Rear Axle (GAWR)                   | 13,500 lb.<br>(6,124 kg) | 13,500 lb.<br>(6,124 kg) | 13,500 lb.<br>(6,124 kg) | 13,000 lb.<br>(5,896.7 kg) | 15,500 lb.<br>(7,081 kg)                    | 17,000 lb.<br>(7,711 kg)  | 15,500 lb.<br>(7,081 kg)                    | 17,000 lb.<br>(7,711 kg)  | 19,000 lb.<br>(8,613 kg)                    |                    | 19,000 lb.<br>(8,613 kg)                    |                   |
| Gross Vehicle Weight Rating (GVWR) | 17,500 lb.<br>(7,938 kg) | 19,500 lb.<br>(8,845 kg) | 19,500 lb.<br>(8,845 kg) | 21,000 lb.<br>(9,525.4 kg) | 25,500 lb.<br>(11,567 kg)                   | 25,500 lb.<br>(11,567 kg) | 25,500 lb.<br>(11,567 kg)                   | 29,000 lb.<br>(13,154 kg) | 33,000 lb.<br>(14,969 kg)                   |                    | 33,000 lb.<br>(14,969 kg)                   |                   |
| Recommended Weight For Stability   | 15,000 lb.<br>(7,081 kg) |                          | 16,250 lb.<br>(7,371 kg) |                            | 20,000 lb.<br>(9,072 kg)                    |                           | 21,000 lb.<br>(9,525.4 kg)                  |                           | 21,500 lb.<br>(9,752 kg)                    |                    | 23,000 lb.<br>(10,433 kg)                   |                   |
| Frame Section Modulus              | 10.5 in <sup>3</sup>     |                          | 10.5 in <sup>3</sup>     |                            | 15.9 in <sup>3</sup> / 17.2 in <sup>3</sup> |                           | 15.9 in <sup>3</sup> / 17.2 in <sup>3</sup> |                           | 15.9 in <sup>3</sup> / 17.2 in <sup>3</sup> |                    | 15.9 in <sup>3</sup> / 17.2 in <sup>3</sup> |                   |
| Frame Yield Strength               | 36,000 psi               |                          | 36,000 psi               |                            | 110,000 psi / 50,000 psi                    |                           | 110,000 psi / 50,000 psi                    |                           | 110,000 psi / 50,000 psi                    |                    | 110,000 psi / 50,000 psi                    |                   |
| Frame RBM                          | 378,000 in-lbs           |                          | 378,000 in-lbs           |                            | 900,000 in-lbs                              |                           | 900,000 in-lbs                              |                           | 900,000 in-lbs                              |                    | 900,000 in-lbs                              |                   |

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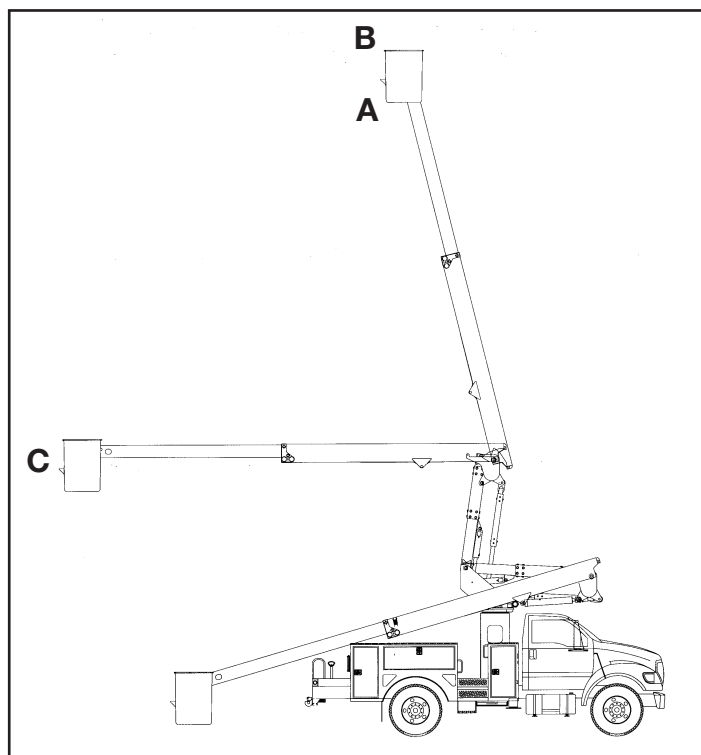
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# TL SERIES

## Hi-Ranger Telescopic Material Handling Aerial Device



### STANDARD EQUIPMENT

- Hydraulic Platform Leveling
- Full Pressure Controls On Side Of Platform
- Control-Plus "3-D" Single Stick
- Open Center Hydraulic System
- Category "C" Rating Per ANSI A92.2
- Steel Main Boom
- Fiberglass Second Section Boom
- Fiberglass Lift Boom Insert
- Lower Controls Above Rotation
- Safety Harness With Lanyard
- Continuous Rotation
- Lower Controls Override Upper Controls
- 20 Gallon Hydraulic Tank Integral With Pedestal
- Boom Interlock When Outriggers Are Required
- Platform to Ground Access in Any Lower Boom Position

### CAPACITIES & DIMENSIONAL DATA

|                                      | TL37                   | TL41                   | TL45                   | TL50                   | TL55                   | TL60                   |
|--------------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| <b>Bottom of Platform Height (A)</b> | 38.0 ft.<br>(11.6 m)   | 42.0 ft.<br>(12.8 m)   | 44.8 ft.<br>(13.6 m)   | 49.5 ft.<br>(15.1 m)   | 55.1 ft.<br>(16.8 m)   | 60.1 ft.<br>(18.3 m)   |
| <b>Working Height (B)</b>            | 43.0 ft.<br>(13.1 m)   | 47.0 ft.<br>(14.3 m)   | 49.8 ft.<br>(15.2 m)   | 54.5 ft.<br>(16.6 m)   | 60.1 ft.<br>(18.3 m)   | 65.1 ft.<br>(19.8 m)   |
| <b>Horizontal Reach at 87°(C)</b>    | 28.6 ft.<br>(8.7 m)    | 31.1 ft.<br>(9.5 m)    | 31.1 ft.<br>(9.5 m)    | 36.0 ft.<br>(11.0 m)   | N/A                    | N/A                    |
| <b>Horizontal Reach at 82°</b>       | 28.3 ft.<br>(8.6 m)    | 30.8 ft.<br>(9.4 m)    | 30.4 ft.<br>(9.3 m)    | 35.1 ft.<br>(10.7 m)   | N/A                    | N/A                    |
| <b>Horizontal Reach at 93°</b>       | 29.6 ft.<br>(9.0 m)    | 32.2 ft.<br>(9.8 m)    | 32.3 ft.<br>(9.9 m)    | 37.0 ft.<br>(11.2 m)   | 38.3 ft.<br>(11.7 m)   | 40.1 ft.<br>(12.2 m)   |
| <b>Lower Boom Articulation</b>       | 0 to 87°               | 0 to 87°               | 0 to 87°               | 0 to 87°               | -35 to 85°             | -35 to 85°             |
| <b>Upper Boom Travel</b>             | -40 to 76°             | -40 to 76°             | -40 to 76°             | -40 to 76°             | -20 to 85°             | -20 to 85°             |
| <b>Upper Boom Extension</b>          | 100 in.<br>(254 cm)    | 116 in.<br>(295 cm)    | 116 in.<br>(295 cm)    | 145 in.<br>(368.3 cm)  | 140 in.<br>(355.6 cm)  | 140 in.<br>(355.6 cm)  |
| <b>Platform Capacity</b>             | 400 lbs.<br>(182.5 kg) | 400 lbs.<br>(182.5 kg) | 400 lbs.<br>(182.5 kg) | 600 lbs.<br>(272.2 kg) | 600 lbs.<br>(272.2 cm) | 600 lbs.<br>(272.2 cm) |

The above TL37-TL50 data is based on a 40" frame height and 58" pedestal.

### OPTIONAL EQUIPMENT

- 24 x 48 x 42 Inch Platform  
(Provides Up To 600 lbs. Capacity, End Mount)  
(Provides Up To 700 lbs. Capacity, Side Mount)
- Optional 82° of Lower Boom Articulation on TL37-TL50
- Optional 93° of Lower Boom Articulation on TL37-TL50
- Platform Liners
- Vinyl Platform Covers
- Boom/Boom Stow Interlock
- Hydraulic Platform Rotator
- Hydraulic Jib Extension Under Load
- Torsion Bars
- Hydraulic Tool Outlets
- 12 Volt Auxiliary Let Down Or Auxiliary Power
- HyPower™ Hybrid System by Terex®
- A-Frame Outriggers
- Hydraulic Lift – 10 ft. Transverse
- Boom Overstow Protection
- Hydraulic Articulating Jib And Winch (1000 lbs.)

Effective Date: March 1, 2007. 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 and all rights are reserved. "Terex" is a registered trademark of Terex Corporation in the USA and many other countries. Copyright 2007 Terex Corporation.

