AERIAL DEVICES

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

![Diagram of Aerial Device]

### Measurements

<table>
<thead>
<tr>
<th>Measurements</th>
<th>TM85</th>
<th>TM100</th>
<th>TM125</th>
</tr>
</thead>
<tbody>
<tr>
<td>Typical Frame Height (FH)</td>
<td>44 in. (111.8 cm)</td>
<td>44 in. (111.8 cm)</td>
<td>44 in. (111.8 cm)</td>
</tr>
<tr>
<td>Typical Cab Height (CH)</td>
<td>112 in. (284.5 cm)</td>
<td>112 in. (284.5 cm)</td>
<td>112 in. (284.5 cm)</td>
</tr>
<tr>
<td>Offset (O)</td>
<td>109 in. (276.8 cm)</td>
<td>112 in. (284.5 cm)</td>
<td>82 in. (208.3 cm)</td>
</tr>
<tr>
<td>Overall Height (OAH)</td>
<td>13’ 2” (4.0 m)</td>
<td>13’ 0” (4.0 m)</td>
<td>13’ 4” (4.1 m)</td>
</tr>
<tr>
<td>Overall Length (OAL)</td>
<td>35’ 6” (10.8 m)</td>
<td>38’ 4” (11.7 m)</td>
<td>39’ 9” (12.1 m)</td>
</tr>
<tr>
<td>Unit Length (UL)</td>
<td>35’ 6” (10.8 m)</td>
<td>38’ 4” (11.7 m)</td>
<td>39’ 9” (12.1 m)</td>
</tr>
<tr>
<td>Center of Rotation (H)</td>
<td>52” (132 cm)</td>
<td>52” (132 cm)</td>
<td>52” (132 cm)</td>
</tr>
<tr>
<td>Cab to Axle (CA)</td>
<td>150 in. (381 cm)</td>
<td>168 in. (426.7 cm)</td>
<td>168 in. (426.7 cm)</td>
</tr>
<tr>
<td>Wheel Base (WB)</td>
<td>226 in. (574 cm)</td>
<td>244 in. (619.8 cm)</td>
<td>244 in. (619.8 cm)</td>
</tr>
<tr>
<td>Front Axle (FA)</td>
<td>16,000 lb. (7,257 kg)</td>
<td>18,000 lb. (8,165 kg)</td>
<td>20,000 lb. (9,072 kg)</td>
</tr>
<tr>
<td>Rear Axle (RA)</td>
<td>34,000 lb. (15,422 kg)</td>
<td>34,000 lb. (15,422 kg)</td>
<td>34,000 lb. (15,422 kg)</td>
</tr>
<tr>
<td>Gross Vehicle Weight Rating</td>
<td>50,000 lb. (22,680 kg)</td>
<td>52,000 lb. (23,587 kg)</td>
<td>54,000 lb. (24,494 kg)</td>
</tr>
<tr>
<td>Recommended Weight for Stability</td>
<td>44,000 lb. (19,950 kg)</td>
<td>48,000 lb. (21,772 kg)</td>
<td>48,000 lb. (21,772 kg)</td>
</tr>
<tr>
<td>Frame Section Modulus</td>
<td>24.0 in³</td>
<td>24.0 in³</td>
<td>24.0 in³</td>
</tr>
<tr>
<td>Frame Yield Strength</td>
<td>80,000 psi</td>
<td>80,000 psi</td>
<td>80,000 psi</td>
</tr>
<tr>
<td>Frame RBM</td>
<td>1,900,000 in-lbs</td>
<td>1,900,000 in-lbs</td>
<td>1,900,000 in-lbs</td>
</tr>
</tbody>
</table>

*Allows a total weight of 19,000–20,000 lbs. for chassis & payload.*

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Distributed By:
Hi-Ranger Non-Overcenter, Telescopic Material Handling Aerial Device

STANDARD EQUIPMENT
- End-Mount 35” x 57” x 42” D-Shaped Platform
- Platform Capacity up to 800 lb (362 kg)
- Control-Plus 4-Function Single Stick Control at Platform
- Safety Harness With Attached Lanyard
- Hydraulic Platform Rotator
- Continuous Unrestricted Planetary Rotation
- Category “C” Rating Per ANSI A92.2
- Rectangular, Bi-Axial Epoxy Resin, Filament Wound Fiberglass Booms
- Individual Lever Lower Controls
- Hydraulic Platform Tilt at Upper and Lower Controls
- Hydraulic/Electric Platform Leveling System
- 78’ of Elevation Above Horizontal
- 168” of Upper Boom Articulation
- 90° of Lower Boom Articulation
- Pilot-Operated, Closed-Center Load Sensing Hydraulic System
- 2-Speed Engine Throttle at Upper Controls
- Dual Lower and Upper Boom Cylinders
- Hydraulic Tool Outlets
- Engine Stop/Start
- 70 Gallon Hydraulic Oil Reservoir
- Padded Upper Boom Rest with Tie Down
- Lower Boom Rest with Tie Down
- Boom Interlock
- Moving Outrigger Alarm
- Truck Level Indicator
- Manual Boom Let Down System

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

<table>
<thead>
<tr>
<th>MODEL</th>
<th>A Bottom of Platform Height</th>
<th>B Working Height</th>
<th>C Side Reach</th>
</tr>
</thead>
<tbody>
<tr>
<td>TM85</td>
<td>82.0 ft. (25.0 m)</td>
<td>87.0 ft. (26.5 m)</td>
<td>47.0 ft. (14.3 m)</td>
</tr>
<tr>
<td>TM100</td>
<td>95.0 ft. (29.0 m)</td>
<td>100.0 ft. (30.5 m)</td>
<td>51.0 ft. (15.5 m)</td>
</tr>
<tr>
<td>TM125</td>
<td>120.0 ft. (36.6 m)</td>
<td>125.0 ft. (38.1 m)</td>
<td>52.0 ft. (15.8 m)</td>
</tr>
</tbody>
</table>

OPTIONAL EQUIPMENT
- 36” x 96” Aluminum Work Platform
- Various Platform Covers
- Various Liners
- Scuff Pad with or without Step
- Top Mounted, Hydraulic Articulating 0 to 90 Degree Jib And Winch
- Up to 1500 lbs capacity
- Hydraulic Extension
- Levels with Platform
- Single Wire / 46 Kv Insulated Single Line Lifter / Multi-Phase Attachments
- Category “A” or “B” Rating Per ANSI A92.2 up to 500 Kv
- Automatic Upper Boom Latch
- Auxiliary Power
- Boom Overstow Protection
- Boom/Boom Stow Interlock
- Boom Storage Warning Light
- Outrigger Sag Light
- Various Types of Outriggers
- Truck Grounding Cable & Clamp