

 **TEREX AERIALS**  
**OPERATOR'S MANUAL**

**Specifications**

**Machine Specifications**

**Model TA30N**

* Working Height (Maximum) .....	<b>36 ft 0 in.</b> (10.97 m)
Platform Height (Maximum) .....	<b>30 ft 0 in.</b> (9.14 m)
Stowed Height .....	<b>6 ft 7 in.</b> (2.00 m)
Stowed Length .....	<b>15 ft 8 in.</b> (4.78 m)
Machine Width .....	<b>4 ft 0 in.</b> (1.22 m)
Platform Dimensions .....	<b>30 in. x 48 in. x 44 in.</b> (0.76 m x 1.22 m x 1.12 m)
Horizontal Reach .....	<b>21 ft 8 in.</b> (6.60 m)
Boom Elevation .....	<b>-18° to 75° above horizontal plane</b>
Platform Capacity (Unrestricted) .....	<b>500 lbs.</b> (227 kg)
Rated Number of Occupants in Platform .....	<b>2</b>
WheelBase .....	<b>5 ft 2 in.</b> (1.57 m)
Wheel Track .....	<b>3 ft. 4.5 in.</b> (1.01 m)
Tailswing .....	<b>zero @ 15 ft pivotal height.</b>
Turret (Superstructure) Rotation .....	<b>350°, non-continuous rotation</b>
Turning Radius	
Inside .....	<b>5 ft 6 in.</b> (1.68 m)
Outside .....	<b>10 ft 2 in.</b> (3.09 m)
Travel Speed-Platform Stowed .....	<b>0 to 3.2 mph</b> (0 to 5.15 kph)

 **WARNING**

**\*CLEARANCE MUST BE ALLOWED FOR BODY PARTS OF PERSONNEL IN PLATFORM AT THIS AND ALL OTHER WORK HEIGHTS.**

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**Specifications (Continued)**

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Power Source .....	<b>48 volts D.C. (8 @ 6V-350AH)</b>
Hydraulic System	
Maximum Operating Pressure .....	<b>2200 psi (152 bar) (155 kg-cm<sup>2</sup>)</b>
Reservoir Capacity .....	<b>10.6 gal. (40.12 liters)</b>
Controls	
Function .....	<b>Proportional/ Hydraulic</b>
Drive .....	<b>Proportional/ Electric</b>
Tires (Solid Non-marking) .....	<b>7.00 x 12</b>
Ground Clearance .....	<b>4 in. (0.10 m)</b>
Shipping Weight (Approx.) .....	<b>13,600 lbs. (6,169 kg)</b>
Wheel Loading	
Max. concentrated floor loading pressure .....	<b>56.3 psi (3.88 bar) (3.96 kg-cm<sup>2</sup>)</b>
Wheel Load (maximum) .....	<b>4,923 lbs. (2,235 kg)</b>
Wind Speed Rating .....	<b>10 mph (16.09 km/h)</b>
Gradeability (on hard surface) .....	<b>20%</b>

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## Maintenance

### Recommended Maintenance and Service Schedule

ITEM	ITEM DESCRIPTION	LUBRICANT	SERVICE/ FREQUENCY
1	Batteries		Charge Daily, Check Water Level Weekly
2	Ring Gear - Race Gear Teeth	Multi-Purpose Grease EP-2 (rotate while greasing) Mobilcote Type - S	Lubricate Monthly
3	Hydraulic Reservoir Fluid	Northland Talamar Extreme	Check Daily Replace Yearly
4	Torque Hubs	Gear Oil - SAE EP 90	Check Monthly Replace Yearly
5	Hydraulic Tank Strainer		Clean Yearly
6	Hydraulic Return Line Filter		Replace 100 Hours
7	Riser Pivot Pins	Mobilcote Type - S	Check Daily, Lubricate Monthly
8	Steering King Pins	Mobilcote Type - S	Lubricate Monthly
9	Wheel Bearings	Multi-purpose Grease EP-1	Repack Yearly
10	Hydraulic Pump Motor		Check Brushes Monthly
11	Wheel Lug Nuts		Check Daily
12	Boom Assembly		Check Daily
13	Platform Assembly		Check Daily
14	Boom and Riser Cylinders		Check Daily
15	Boom Pivot Pin		Check Daily
16	Steering Assembly		Check Daily
17	Controls		Check Daily
18	Function Valves		Check Daily
19	Hand Pump		Check Daily
20	Operator's Manual		Check Daily
21	Tires		Check Daily
22	Electrical Wiring		Check Daily
23	Hydraulic Hoses		Check Daily

Check each of the above items for security, loose or missing fasteners, leaks, wear or evidence of cracks. Check all visible electric wiring and hydraulic hoses for cracking or "checking", loose connections, fraying, chafing or excessive wear. If a problem is found with any of the following items, do not operate the aerial lift until a qualified aerial lift technician makes the necessary repairs.