

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

**Specifications**

<b>Machine Specifications</b>	<b>Model TB120</b>
*Working Height .....	<b>126 Ft/ 38.58 M</b>
Platform Height .....	<b>120 Ft/ 36.58 M</b>
Horizontal Reach (Boom Angle 0° .....	<b>60 Ft 0 In./ 18.29 M</b>
Platform Capacity (Unrestricted) .....	<b>500 Lbs. / 225 Kg</b>
Platform Size	
Standard .....	<b>30 In. x 60 In. x 42 In./</b> .76 M x 1.52 M x 1.07 M
Optional .....	<b>36 In. x 96 In. x 42 In./</b> .91 M x 2.44 M x 1.07 M
Stowed Length (STOW-N-GO™ Position) .....	<b>36 Ft 0 In./ 10.97 M</b>
Stowed Height .....	<b>9 Ft 11.75 In./ 3.04 M</b>
Machine Width: without axles extended .....	<b>8 Ft 0 In./ 2.44 M</b>
Machine Width: with axles extended .....	<b>11 Ft 8 In./ 3.56 M</b>
Wheelbase .....	<b>12 Ft 0 In./ 3.66 M</b>
Ground Clearance .....	<b>11 In./ 27.9 cm</b>
Gross Weight (Approx.) .....	<b>47,700 Lbs./ 21,636 Kg</b>
Maximum Travel Speed:	
Boom Stowed .....	<b>2.8 MPH/ 4.5 KPH</b>
Boom Extended or Elevated .....	<b>0.5 MPH / 0.8 KPH</b>
Outside Turning Radius .....	<b>24 Ft 0 In./ 7.32 M</b>
Gradeability (On Hard Surface) .....	<b>7.0°/ 12%</b>
Platform Rotation .....	<b>180°</b>
Superstructure Rotation .....	<b>360° continuous, either direction</b>
Tire Size .....	<b>15 x 22.5 (16 Ply)</b>
Tire Pressure (not applicable to foam filled tires) .....	<b>110 PSI/ 7.58 Bar/ 7.73 Kg/cm<sup>2</sup></b>
Maximum Hydraulic Pressure .....	<b>3000 PSI / 206 Bar / 210 Kg/cm<sup>2</sup></b>
Hydraulic Tank Capacity .....	<b>55 Gal./ 208 Liters</b>

 **WARNING**

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

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**Fuel Capacity:**

Gas or Diesel .....	<b>57 Gal./ 216 Liters</b>
Propane .....	<b>30 Lbs. / 14 Kg</b>
Swing Bearing Bolt Torque .....	<b>280 Ft Lbs./ 380 Nm/ 38.7 Kg-m</b>
Wheel Lug Nut Torque (Drive and Steer Axles) .....	<b>220 Ft Lbs. / 298 Nm / 30.4 Kg-m</b>
Drive Hub Bolt Torque .....	<b>170 Ft Lbs. / 231 Nm / 23.5 Kg-m</b>
Electrical System .....	<b>Two 12 Volt DC Batteries</b>

**Power Source:**

- Standard. . . Ford CSG-649, 110 HP (82 Kw), Liquid Cooled, Gasoline
- Optional . . . Ford CSG-649, 110 HP (82 Kw), Liquid Cooled, Dual Fuel
- Deutz F4L912, 71 HP (53 Kw), Air Cooled, Diesel
- Perkins 4.236, 81 HP (60 Kw), Liquid cooled, Diesel

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**Maintenance**

**Hydraulic Fluid (Continued)**

 **CAUTION**

**Any hydraulic fluid used in the hydraulic system of this aerial lift must meet or exceed the specifications of the fluid initially supplied.**

At the next complete hydraulic fluid change, the fluid may be switched to your preferred brand.

 **WARNING**

**HYDRAULIC FLUID UNDER PRESSURE IS HOT, CAN PENETRATE AND BURN THE SKIN, DAMAGE EYES, AND MAY CAUSE SERIOUS INJURY, BLINDNESS, AND EVEN DEATH. CORRECT LEAKS IMMEDIATELY.**

**FLUID LEAKS UNDER PRESSURE MAY NOT ALWAYS BE VISIBLE.**

**IF A MINERAL-BASED HYDRAULIC FLUID HAS PENETRATED THE SKIN, IT MUST BE MEDICALLY TREATED, WITHIN A FEW HOURS, BY A DOCTOR FAMILIAR WITH THIS TYPE OF INJURY.**

**ALWAYS CLEAN UP FUEL, HYDRAULIC FLUIDS AND LUBRICATING OILS SPILLED ON THE MACHINE. SPILLS CAN CAUSE FALLS, AND ARE A SERIOUS FIRE HAZARD.**

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**Maintenance**

**Hydraulic Fluid Level Check**

Check the hydraulic fluid level on a daily basis. The fluid level is checked using sight guage on the hydraulic tank. The fluid level must be between the "FULL" and "LOW" marks on the sight guage when the platform is in the fully down position.

Add fluid as needed through the filler cap opening. The hydraulic system was filled at the factory with "NORTHLAND TALAMAR EXTREME".

 **CAUTION**

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