STANDARD COMPONENTS INCLUDE:
Boom, boom rest, boom hoist cylinder, 2-speed winch, load line and 5 ton (4,5 mt) overhaul ball, turret with 1,720 lb (780 kg) counterweight, ride-around operator control station with enclosed cab, cab heater, wired LMI and ATB protection systems, sub-frame with integrated radio remote controlled outriggers, single front stabilizer, aluminum deck with fixed access ladders, removable aluminum ladder, 3-section pump, hydraulic reservoir and oil cooler.

HYDRAULICS
- 8-Bolt direct mounted PTO with SAE C output (factory mounted units only)
- Three section vane pump, SAE C input
- Hydraulic reservoir - 115 gallon (435 liter) capacity

<table>
<thead>
<tr>
<th>Pump Section</th>
<th>2000 RPM</th>
<th>2000 RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shaft End Pump:</td>
<td>41.67 GPM @ 100 PSI</td>
<td>158 LPM @ 100 PSI</td>
</tr>
<tr>
<td>Center Pump:</td>
<td>35 GPM @ 100 PSI</td>
<td>133 LPM @ 100 PSI</td>
</tr>
<tr>
<td>Cover End Pump:</td>
<td>11.67 GPM @ 100 PSI</td>
<td>44 LPM @ 100 PSI</td>
</tr>
</tbody>
</table>

BOOM
- 50 Ton (45,4 mt) capacity @ 6’ (1,8 m) radius
- 4-Section 110’ (33,5 m) proportional boom
- 6-Sheave quick reeve boom point

HOIST
- Maximum theoretical line speed 453 fpm (138 mpm)
- Maximum theoretical bottom-layer line pull 13,396 lb (6,076 kg)
- Wire Rope – 400’ (122 m), 5/8” (15,9 mm) diameter rotation resistant, Flex X-35

WARNING SYSTEMS
- Wired LMI with crane function shut-offs for overload protection
- Graphical display
- Event recorder
- WADS - Work Area Definition System
- Wired anti-two block system

OPTIONS
- Heavy lift option - consult Manitex
- Bridge legal options available - consult Manitex
- Intermediate & Long subframe options for NO Front Stabilizer configuration - consult Manitex
- Three-section gear pump, SAE C input
- 32’ (9,8 m) - 49’ (14,9 m) 2-Section telescopic jib; 0°, 15°, 30° offset positions
- Auxiliary winch same as main, includes rooster sheave
- Auxiliary lower sheave block for 9 to 10 part line
- 3rd Wrap limiter, main and auxiliary winch
- Load block - 1, 3, 4 and 5 sheave options
- Cab air conditioner (hydraulic)
- Toolboxes
  - 24” L x 20” W x 18” H (610 mm x 508 mm x 457 mm)
  - 48” L x 18” W x 18” H (1220 mm x 457 mm x 457 mm)
- 2-Person gravity leveled non-rotating basket - 600 lb (272 kg) capacity
- 2-Person gravity leveled rotating (manual) basket – 1,200 lb (544 kg) capacity
- 2-Person gravity leveled rotating (manual) quick attach basket – 1,200 lb (544 kg) capacity
- 4-Function radio remote crane control system 900 MHz
- 4-Function radio remote crane control system 433 MHz

In order to ensure continuous improvement, Manitex reserves the right to change design and specifications without notice.
**CHASSIS DATA 50110S**

- **Wheelbase (WB)**: 260" [6,604 mm]
- **Cab to Tandem (CT)**: 178" [4,521 mm]
- **Cab to End of Frame (EOF)**: 330" [8,382 mm]
- **Frame Section Modulus**: 27.0 in³ [120,000 psi 827 371 kPa]
- **Front Axle Gross Weight Rating**: 20,000 lb [9,071 kg]
- **Rear Axle Gross Weight Rating**: 40,000 lb [18,143 kg]
- **Minimum Truck Axle Weight - Front***: 9,000 lb [4,082 kg]
- **Minimum Truck Axle Weight - Back* Excludes weight of 13.2k lift axle**: 10,600 lb [4,808 kg]
- **Nominal Frame Width**: 34" [864 mm]

*Chassis data is minimum general requirements not for engineering. Actual dimensions and truck data will depend on truck selection and axle configuration.

*Minimum chassis weight is required to meet 85% stability requirements.

**WEIGHTS 50110S**

- **Crane (Includes Cab and Platforms)**: 38,838 lb [17,617 kg]
- **Cab**: 575 lb [261 kg]
- **Aluminum Platforms**: 542 lb [246 kg]
- **32' (9.72 m) to 49' (14.94 m) Telescopic Jib**: 1,870 lb [848 kg]

**MAXIMUM TIP HEIGHT (A) 50110S**

- **Configuration**: Boom 110' [33.5 m]
- **Extended Boom**: 117" [35.6 m]
- **Fixed or Retracted Jib**: 148" [45.0 m]
- **Extended Jib**: 164" [50.1 m]