STANDARD COMPONENTS INCLUDE:
Boom, boom rest, boom hoist cylinder, 2-speed winch, load line and 5 ton (4,5 mt) overhaul ball, turret with 2,250 lbs (1,020 kg) counterweight, ride-around operator control station with seat, wireless LMI & ATB protection systems, sub-frame with access ladders & integrated radio remote controlled outriggers, 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

<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>28.33 GPM @ 100 PSI</td>
<td>107 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>

• Hydraulic reservoir - 115 gallon (435 liter) capacity

WARNING SYSTEMS
• Wireless LMI with display and crane function shut-offs for overload protection
• Wireless anti-two block system

BOOM
• 40 Ton (36,3 mt) capacity @ 5' (1,5 m) radius
• 4-Section 100' (30,5 m) proportional boom
• 5-Sheave quick reeve boom point

HOIST
• Maximum theoretical line speed 453 fpm (138 mpm)
• Maximum theoretical bottom-layer line pull 13,050 lb (5,919 Kg)
• Wire Rope – 380' (115,8 m) 5/8" (15,9 mm) diameter rotation resistant

OPTIONS
• Single front stabilizer
• 10' (3,1 m) Flatbed - wood or steel
• 24" (610 mm) Bulkhead
• 30'6" [9,3 m] 1-Section fixed jib
• 30’-6” [9,3 m] - 55’ [16,8 m] 2-Section telescopic jib
• 5/8" (15,9 mm) Diameter 6 x 25 EIPS /WRC wire rope
• Auxiliary winch same as main, includes rooster sheave
• Auxiliary lower sheave block for 7 to 8 part line
• Load block - 1, 3 & 5 sheave options
• Operator cab with diesel heater, air conditioner (hydraulic) upgrade option
• Hose reel - boom mounted
• 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
• 4-Function radio remote crane control system 900 MHz
• 4-Function radio remote crane control system 433 MHz
• Three-section gear pump, SAE C input

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

**40100S**

- **Wheelbase (WB):** 261" (6,629 mm)
- **Cab to Tandem (CT):** 192" (4,877 mm)
- **Cab to End of Frame (EOF):** 295" (7,493 mm)
- **Frame Section Modulus at 180°/360° Area of Operation:** 25.0 (in3) 710,000 (psf) 758,422 (kPa)
- **Front Axle Gross Weight Rating:** 18,000 lb (8,165 kg)
- **Rear Axle Gross Weight Rating:** 40,000 lb (18,144 kg)
- **Minimum Truck Axle Weight - Front**: 8,000 lb (3,629 kg)
- **Minimum Truck Axle Weight - Back**: 8,300 lb (3,765 kg)
- **Nominal Frame Width:** 34" (864 mm)

*Frame section modulus at 360° area of operation requires front bumper stabilizer. Minimum chassis weight is required to meet 85% stability requirements. Chassis data is general - not for engineering. Some dimensions depend on truck selection.*

### WEIGHTS

**40100S**

- **Crane Without Cab:** 29,733 lb (13,647 kg)
- **Cab Alone:** 575 lb (261 kg)
- **Flat Bed 10' (3.10 m):** 1,000 lb (454 kg)
- **Fixed Jib 30' 6" (9.30 m):** 1,126 lb (511 kg)
- **Telescopic Jib 30' 6" - 55' (9.3 m - 16.8 m):** 1,754 lb (796 kg)

### MAXIMUM TIP HEIGHT (A)

**40100S**

- **Configuration:**
  - Boom 100' (30.5 m)
  - Extended Boom 109' 2" (33.3 m)
  - Fixed or Retracted Jib 140' 0" (42.7 m)
  - Extended Jib 164' 8" (50.2 m)