## Specifications

<table>
<thead>
<tr>
<th></th>
<th>HD512LC-7</th>
<th>HD514MR-7</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Engine</strong></td>
<td>Model</td>
<td>Isuzu 4JJ1X Tier 4 Final</td>
</tr>
<tr>
<td></td>
<td>Rated output</td>
<td>105 HP@2000rpm</td>
</tr>
<tr>
<td></td>
<td>Starter/Alternator</td>
<td>24 Volt</td>
</tr>
<tr>
<td></td>
<td>Max torque</td>
<td>2,786 ft lbs</td>
</tr>
<tr>
<td><strong>Hydraulic System</strong></td>
<td>Pumps</td>
<td>Double variable piston pump and gear pump</td>
</tr>
<tr>
<td></td>
<td>System flow</td>
<td>2x33.3 g/min</td>
</tr>
<tr>
<td></td>
<td>Max system psi</td>
<td>4554 psi</td>
</tr>
<tr>
<td></td>
<td>Max digging psi</td>
<td>4771 psi</td>
</tr>
<tr>
<td><strong>Swing Speed</strong></td>
<td>Max swing speed</td>
<td>13.0/min</td>
</tr>
<tr>
<td><strong>Travel System</strong></td>
<td>Travel speed high/low</td>
<td>3.6/2.1 mph</td>
</tr>
<tr>
<td></td>
<td>Gradeability</td>
<td>35°</td>
</tr>
<tr>
<td></td>
<td>Max drawbar pull</td>
<td>24,728 lbs</td>
</tr>
<tr>
<td><strong>Digging Force</strong></td>
<td>Arm digging force</td>
<td>15,512 lbs</td>
</tr>
<tr>
<td></td>
<td>*at high power</td>
<td>16,186 lbs</td>
</tr>
<tr>
<td></td>
<td>Bucket digging force</td>
<td>21,132 lbs</td>
</tr>
<tr>
<td></td>
<td>*at high power</td>
<td>22,031 lbs</td>
</tr>
<tr>
<td><strong>Service Data</strong></td>
<td>Fuel tank</td>
<td>73 gal</td>
</tr>
<tr>
<td></td>
<td>Cooling system</td>
<td>5.5 gal</td>
</tr>
<tr>
<td></td>
<td>Engine oil</td>
<td>5.17 gal</td>
</tr>
<tr>
<td></td>
<td>DEF tank capacity</td>
<td>14.5 gal</td>
</tr>
<tr>
<td></td>
<td>Track drive</td>
<td>2x.55 gal</td>
</tr>
<tr>
<td></td>
<td>Hydraulic oil tank</td>
<td>41.7 gal</td>
</tr>
<tr>
<td></td>
<td>Operating weight</td>
<td>28,429 lbs</td>
</tr>
<tr>
<td></td>
<td>Ground Pressure</td>
<td>5.94 psi</td>
</tr>
<tr>
<td><strong>Cab &amp; Controls</strong></td>
<td>ROPS, TOPS, FOPS</td>
<td>Pressurized air</td>
</tr>
<tr>
<td></td>
<td>Certified</td>
<td>conditioned cabin</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pattern change valve</td>
</tr>
</tbody>
</table>

### Dimensions

- **HD 512LC-7**
  - **STD**: 27'3" 18'4" 28'8" 15'2" 21' 7'11" 17'7"
  - **Long Arm**: 28'9" 19'10" 29'9" 16'6" 22'1" 9' 19'4"

- **HD 514MR-7 w/Blade**
  - **STD**: 27'9" 18'2" 29'8" 15' 21'11" 7'11" 17'6"
  - **Long Arm**: 29'3" 19'10" 30'9" 16'5" 23'1" 9'1" 19'2"
### Dimensions

**HD512LC-7**

- **Working Range**
  - A: Maximum digging radius
  - B: Maximum digging depth
  - C: Maximum digging height
  - D: Maximum vertical wall
  - E: Maximum dumping height
  - F: Maximum swing radius
  - G: Maximum digging depth at 8' floor length

- **HD514MR-7 w/Blade**
  - Working Range
    - A: Maximum digging radius
    - B: Maximum digging depth
    - C: Maximum digging height
    - D: Maximum vertical wall
    - E: Maximum dumping height
    - F: Maximum swing radius
    - G: Maximum digging depth at 8' floor length

---

**Specifications**

**HD 512LC-7**

- **Engine**
  - Model: Isuzu 4JJ1X Tier 4 Final
  - Rated output: 105 HP@2000rpm
  - Starter/Alternator: 24 Volt
  - Max torque: 2,786 ft lbs
  - Hydraulic System
    - Pumps: Double variable piston pump and gear pump
    - System flow: 2x33.3 g/min
    - Max system psi: 4554 psi
    - Max digging psi: 4771 psi
    - Swing Speed: 13.0/min
    - Travel System
      - Speed: 3.6/2.1 mph
      - Gradeability: 35º
      - Drawbar Pull: 24,728 lbs
      - Arm digging force: 17.0/13.0 lbs
      - Bucket digging force: 3.6/2.1 lbs
  - Service Data
    - Fuel tank: 73 gal
    - Coolant tank: 5.5 gal
    - Engine oil: 14.5 gal
    - DEF tank: 2 x .55 gal
    - Hydraulic oil tank: 41.7 gal
    - Operating weight: 28,429 lbs
    - Ground Pressure: 5.94 psi
    - Cab & Controls
      - ROPS, TOPS, FOPS: Pressurized air conditioned cabin
      - Pattern change valve

**HD 514MR-7 w/Blade**

- **Engine**
  - Model: Isuzu 4JJ1X Tier 4 Final
  - Rated output: 105 HP@2000rpm
  - Starter/Alternator: 24 Volt
  - Max torque: 2,786 ft lbs
  - Hydraulic System
    - Pumps: Double variable piston pump and gear pump
    - System flow: 2x33.3 g/min
    - Max system psi: 4554 psi
    - Max digging psi: 4771 psi
    - Swing Speed: 13.0/min
    - Travel System
      - Speed: 3.6/2.1 mph
      - Gradeability: 35º
      - Drawbar Pull: 24,728 lbs
      - Arm digging force: 17.0/13.0 lbs
      - Bucket digging force: 3.6/2.1 lbs
  - Service Data
    - Fuel tank: 73 gal
    - Coolant tank: 5.5 gal
    - Engine oil: 14.5 gal
    - DEF tank: 2 x .55 gal
    - Hydraulic oil tank: 41.7 gal
    - Operating weight: 28,429 lbs
    - Ground Pressure: 5.94 psi
    - Cab & Controls
      - ROPS, TOPS, FOPS: Pressurized air conditioned cabin
      - Pattern change valve
Pressurized Cabin

Safety
- 7" LCD color touch screen monitor
- Standard side and rear camera feature

Diagnostic capable message center
- 7" LCD color touch screen monitor

Alarm Message Center
- The display indicates various alarms such as DEF aqueous fluid replenishing.

High Performance and Superior Maintenance

Easily accessible maintenance

Large capacity tool box
Fuel transfer pump

High capacity split cooling system