CLAMSHELL TELESCOPIC ARM
30 meter

Model Code | ZX350LC-6 | ZX350LCN-6
---|---|---
Engine Rated Power | 210 kW (ISO14396) | 210 kW (ISO14396)
Operating Weight | 46,600 kg | 46,100 kg
ZX350-6 CTA. NO COMPROMISE

Hitachi Zaxis-6 excavators with clamshell telescopic arms are the optimum solution for below-ground excavation projects. Capable of reaching depths of 30 metres, the arm of the ZX350-6 CTA extends and retracts at high speed, has a powerful lifting force and can be fitted with large-capacity buckets.

Incorporating industry-leading technology, the new Zaxis-6 model offers high levels of productivity, performance and versatility, and does not compromise on user-friendly operation.
DEMAND PERFECTION

As a leading manufacturer that designs and builds excavators with clamshell telescopic arms in-house, Hitachi develops these machines to perfection. Several improvements have been made to the new Zaxis-6 model, including features that enhance safety and versatility.

Ideal for underground construction projects, the ZX350-6 CTA has proven to be more efficient, safer and cost-effective than alternative methods of below-ground excavation. It has also been built to meet the needs of European customers, enabling them to dig deeper than their competitors.

Improved safety
Optional LED light enhance visibility.

Ultimate durability
Reinforced clamshell bucket and cylinder protection prevent damage.

Exceptional flexibility
Optional standard arm and detachable counterweight offer greater versatility.
Enhanced productivity
Short cycle time due to exclusively designed hydraulic circuit and pressure setting.

Excellent visibility
Sliding cab and floor window provides a clear view for operators.

High quality
Only the best design elements and materials.
The telescopic arm extends and retracts smoothly with a full load.

The sliding cab enhances visibility and safety.
The ZX350-6 CTA has been specifically designed to excavate materials from 30 metres below ground and load trucks to transport them quickly and safely off site. It is a cost-effective alternative to using skips, cranes, conveyor belts or long-reach excavators, and can increase productivity on complex and challenging excavation projects.

**Smooth and safe operation**

The clamshell telescopic arm of the ZX350-6 CTA extends and retracts smoothly with a full load. It uses a technologically advanced combination of rope and hydraulic cylinders. The hydraulic circuit has been enhanced to offer even greater levels of productivity. When required, the ZX350-6 CTA can also be fitted with an optional standard arm, which provides additional versatility.

**Exceptional visibility**

The cab of the ZX350-6 CTA is positioned 960mm further forward than on a standard model. It can also slide a further 1,300mm to provide the operator with a better view of the digging area below. This not only enhances visibility, but also safety on the job site.

**Robust design**

The ZX350LC-6 CTA is equipped with a large-capacity 1.55m³ (ZX350LCN-6 with a 1.30m³) bucket with powerful pull-up force. A roller-support sliding mechanism reduces the load on the bucket cylinders, enhancing durability and enabling the machine to dig deeper and more productively. An ejector function on the bucket allows for the quick loading of trucks.

The new clamshell bucket offers greater durability.
POWERFUL PERFORMANCE

The Hitachi ZX350-6 with clamshell telescopic arm has been specifically designed by Hitachi to work on complex underground construction projects. Ideal for busy urban environments, it is compact, quiet and offers excellent visibility to ensure projects are completed safely and on time.

Superior visibility
Thanks to a large polycarbonate window in the floor of the sliding cab, the operator has an excellent view of the site below. This enables the operator to work safely and precisely, ensuring a high level of performance.

Comfortable operation
Optional LED working lights are located at the front of the sliding cab to illuminate the area below ground. These give the operator an optimum view of the job site, and enables a comfortable and safe operation. The lights are adjustable and two settings can be used at the same time: low beam and high beam.

Safety at work
In response to customer feedback, the ZX350LC-6 is available with an optional zoom camera that is installed at the end of the arm. This enhances the visibility of the operator and contributes to a safe working environment. Using the monitor screen in the cab, the operator can easily adjust the view angle, and zoom in and out of the image.

It has a longer reach and is more efficient than a long-reach excavator
Kenneth Kolviken, owner, Kolviken Gräv AB
Optional LED lights highlight the working area for operators.

A window in the floor of the cab gives a better view of the site below.
ULTIMATE VERSATILITY

European customers demand versatility from their construction equipment. In response to this, Hitachi has ensured that even special application equipment such as the ZX350-6 CTA can adapt to different needs on the job site. Available with an optional standard arm, it can also be used to perform light excavation tasks, for example. It is also powerful, fast, stable and easy to manoeuvre.

Enhanced flexibility
To meet the needs of customers requiring greater versatility from their equipment, the ZX350-6 clamshell telescopic arm model can be used as a standard machine with a few simple adjustments. By changing the counterweight, boom and arm, it can also be used for light excavation projects.

Warning lights and safety alarms
The safe performance of the Zaxis-6 excavator with clamshell telescopic arm is aided by the use of warning lights and safety alarms. For instance, if either of the two ropes were to break suddenly or extend too far, an indication light would alert the operator immediately. In addition, a warning buzzer will alert the operator if too much pressure is applied once the clamshell bucket has reached the ground and is excavating the material.

Hose rupture valve
The clamshell telescopic arm is also equipped with a hose rupture valve, which, in the unlikely event of a damaged cylinder, will prevent any other impact on the machine or the environment.

This is a cost-effective and user-friendly option

Aurélien Bois, Earthmoving Works Engineer, SGC

Switch between workmodes via the monitor.
The detachable counterweight enhances the machine’s versatility.

- Increased work opportunity
- Easy switchover
- Save total fleet cost
**SPECIFICATIONS**

**ZAXIS 350LC 30 m**

**ENGINE**
- **Model**................. Isuzu AQ-6HK1X
- **Type**.................. 4-cycle water-cooled, common rail direct injection
- **Aspiration**............ Variable geometry turbocharged, intercooled, cooled EGR
- **Aftertreatment**....... DOC and SCR system
- **No. of cylinders**..... 6
- **Rated power**
  - ISO 14396 ................ 210 kW at 1900 min⁻¹
  - ISO 9249, net .......... 202 kW at 1900 min⁻¹
  - SAE J1349, net ......... 202 kW at 1900 min⁻¹
- **Maximum torque**...... 1 080 Nm at 1500 min⁻¹
- **Piston displacement** .. 7,790 L
- **Bore and stroke**...... 115 mm x 125 mm
- **Batteries**.............. 2 x 12 V / 135 Ah

**HYDRAULIC SYSTEM**
- **Hydraulic Pumps**
  - Main pumps ............. 3 variable displacement axial piston pumps
  - Maximum oil flow ...... 2 x 288 L/min
  - 1 x 260 L/min
- **Pilot pump**............ 1 gear pump
  - Maximum oil flow ...... 36.4 L/min
- **Hydraulic Motors**
  - Travel ................... 2 variable displacement axial piston motors
  - Swing ..................... 1 axial piston motor
- **Relief Valve Settings**
  - Implement circuit ...... 34.3 MPa
  - Swing circuit .......... 32.4 MPa
  - Travel circuit .......... 34.3 MPa
  - Pilot circuit ............ 3.9 MPa
  - Power boost ............ 38.0 MPa
- **Hydraulic Cylinders**
  - High-strength piston rods and tubes. Cylinder cushion mechanisms provided in boom and arm cylinders to absorb shock at stroke ends.

** CONTROLS**
- **Pilot controls.** Hitachi’s original shockless valve.
- **Implement levers**....... 2
- **Travel levers**.......... 2
- **Telescopic arm control pedal** .... 1

**UPPERSTRUCTURE**
- **Revolving Frame**
  - D-section frame for resistance to deformation.
- **Swing Device**
  - Axial piston motor with planetary reduction gear is bathed in oil. Swing circle is single-row. Swing parking brake is spring-set/hydraulic-released disc type.
  - Swing speed ............ 9.7 min⁻¹
  - Swing torque ............ 120 kNm
- **Operator’s Cab**
  - Independent spacious cab, 1 005 mm wide by 1 675 mm high, conforming to ISO* Standards.
  - * International Organization for Standardization

**UNDERCARRIAGE**
- **Tracks**
- **Numbers of Rollers and Shoes on Each Side**
  - Upper rollers ............ 2
  - Lower rollers ............. 8
  - Track shoes .............. 48
  - Track guards ............. 3
- **Travel Device**
  - Each track driven by 2-speed axial piston motor.
  - Parking brake is spring-set/hydraulic-released disc type.
  - Automatic transmission system: High-Low.
  - Travel speeds ............
    - High : 0 to 5.0 km/h
    - Low : 0 to 3.2 km/h
  - Maximum traction force .... 298 kN
  - Gradeability ............ 26% (15 degree) continuous

**WEIGHTS AND GROUND PRESSURE**
- **ZX350LC-6**
  - Equipped with type S-TC300R-B and 1.55 m³ clamshell bucket (SAE, PCSA heaped).
- **ZX350LCN-6**
  - Equipped with type S-TC300R-B and 1.3 m³ clamshell bucket (SAE, PCSA heaped).

<table>
<thead>
<tr>
<th>Model</th>
<th>Shoe type</th>
<th>Shoe width</th>
<th>Operating weight</th>
<th>Ground pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZX350LC-6</td>
<td>Triple grouser</td>
<td>600 mm</td>
<td>46 600 kg</td>
<td>88 kPa</td>
</tr>
<tr>
<td>ZX350LCN-6</td>
<td>Triple grouser</td>
<td>600 mm</td>
<td>46 100 kg</td>
<td>87 kPa</td>
</tr>
</tbody>
</table>

**SOUND LEVEL**
- **Sound level in cab according to ISO 6396** ......................... LpA 69 dB(A)
- **External sound level according to ISO 6395 and EU Directive 2000/14/EC** ........................... LwA 105 dB(A)

**SERVICE REFILL CAPACITIES**
- **Fuel tank** ................................................................. 630.0 L
- **Engine coolant** ...................................................... 43.0 L
- **Engine oil** .............................................................. 48.0 L
- **Swing device** ......................................................... 17.0 L
- **Travel device (each side)** ........................................... 9.2 L
- **Hydraulic system** ..................................................... 340.0 L
- **Hydraulic oil tank** ................................................... 180.0 L
- **DEF/AdBlue® tank** ..................................................... 70.0 L

**CLAMSHELL BUCKET**

<table>
<thead>
<tr>
<th>Model</th>
<th>S-SP155</th>
<th>S-SP130-A</th>
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<tbody>
<tr>
<td>Bucket type</td>
<td></td>
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</tr>
<tr>
<td>Bucket capacity m³</td>
<td>1.55</td>
<td>1.30</td>
</tr>
<tr>
<td>Max. digging force kN (kgf)</td>
<td>99.1 (10 100)</td>
<td>88.3 (9 000)</td>
</tr>
<tr>
<td>Max. height mm</td>
<td>3 590</td>
<td>3 290</td>
</tr>
<tr>
<td>Opened max. height mm</td>
<td>3 060</td>
<td>2 720</td>
</tr>
<tr>
<td>Closed width mm</td>
<td>2 170</td>
<td>2 000</td>
</tr>
<tr>
<td>Opened width mm</td>
<td>2 480</td>
<td>2 290</td>
</tr>
<tr>
<td>Bucket width mm</td>
<td>1 200</td>
<td>1 200</td>
</tr>
<tr>
<td>Number of teeth</td>
<td>7</td>
<td>9</td>
</tr>
<tr>
<td>Weight kg</td>
<td>2 350</td>
<td>2 000</td>
</tr>
</tbody>
</table>
**SPECIFICATIONS**

**ZX AXIS 350LC 30 m**

**WORKING RANGES**

<table>
<thead>
<tr>
<th>Model</th>
<th>ZX350LC-6</th>
<th>ZX350LCN-6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Telescopic arm type</td>
<td>S-TC300R-B</td>
<td></td>
</tr>
<tr>
<td>Telescopic arm system</td>
<td></td>
<td>Hydraulic cylinder + wire rope</td>
</tr>
<tr>
<td>A  Max. vertical digging depth</td>
<td>30 000</td>
<td>29 700</td>
</tr>
<tr>
<td>B  Radius at max. vertical digging depth</td>
<td>6 900</td>
<td>6 810</td>
</tr>
<tr>
<td>C  Max. vertical digging radius</td>
<td>8 550</td>
<td>8 460</td>
</tr>
<tr>
<td>D  Depth at max. vertical digging radius</td>
<td>25 630</td>
<td>25 330</td>
</tr>
<tr>
<td>E  Max. working radius</td>
<td>11 180</td>
<td>11 120</td>
</tr>
<tr>
<td>F  Max. dumping height</td>
<td>4 840</td>
<td>5 140</td>
</tr>
<tr>
<td>G  Min. front swing radius</td>
<td>5 550</td>
<td>5 450</td>
</tr>
<tr>
<td>H  Height at min. front swing radius</td>
<td>17 550</td>
<td></td>
</tr>
<tr>
<td>I  Cab sliding distance</td>
<td>1 300</td>
<td>1 300</td>
</tr>
<tr>
<td>J  Front rear radius</td>
<td>6 410</td>
<td>6 410</td>
</tr>
</tbody>
</table>

Unit: mm
**SPECIFICATIONS**

**ZAXIS 350LC  30 m**

### DIMENSIONS

<table>
<thead>
<tr>
<th></th>
<th>ZAXIS 350LC-6</th>
<th>ZAXIS 350LCN-6</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Distance between tumblers</td>
<td>4 050</td>
<td></td>
</tr>
<tr>
<td>B. Undercarriage length</td>
<td>4 950</td>
<td></td>
</tr>
<tr>
<td>C. Counterweight clearance</td>
<td>1 160</td>
<td></td>
</tr>
<tr>
<td>D. Rear-end swing radius</td>
<td>3 690</td>
<td></td>
</tr>
<tr>
<td>E. Overall width of upperstructure</td>
<td>3 290</td>
<td>Folding the Step: 3 060</td>
</tr>
<tr>
<td>F. Overall height of cab</td>
<td>3 420</td>
<td></td>
</tr>
<tr>
<td>G. Min. ground clearance</td>
<td>500</td>
<td></td>
</tr>
<tr>
<td>H. Track gauge</td>
<td>2 590</td>
<td>2 390</td>
</tr>
<tr>
<td>I. Track shoe width</td>
<td>G 600</td>
<td></td>
</tr>
<tr>
<td>J. Undercarriage width</td>
<td>3 190</td>
<td>2 990</td>
</tr>
<tr>
<td>K. Overall width (folding the step)</td>
<td>3 390</td>
<td>Folding the Step: 3 160</td>
</tr>
<tr>
<td></td>
<td>Folding the Step: 3 060</td>
<td></td>
</tr>
<tr>
<td>L. Overall length</td>
<td>20 160</td>
<td></td>
</tr>
<tr>
<td>M. Overall height of boom</td>
<td>3 170</td>
<td></td>
</tr>
<tr>
<td>N. Track height with triple grouser shoes</td>
<td>1 070</td>
<td></td>
</tr>
<tr>
<td>O. Swing centre to front distance</td>
<td>16 480</td>
<td></td>
</tr>
</tbody>
</table>

* Excluding track shoe lug  
* G: Triple grouser shoe

### TRANSPORTATION

<table>
<thead>
<tr>
<th></th>
<th>ZAXIS 350LC-6</th>
<th>ZAXIS 350LCN-6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width:</td>
<td>3 190 mm</td>
<td>*2 990 mm</td>
</tr>
<tr>
<td>Weight: (With Sliding cab)</td>
<td>25 500 kg</td>
<td>25 400 kg</td>
</tr>
</tbody>
</table>

* Not including step and handrail

**Telescopic Arm**

**ZX350LC-6**

Width: 1 030 mm  
Weight: 6 580 kg

**ZX350LCN-6**

Width: 1 030 mm  
Weight: 6 580 kg

**Clamshell Bucket**

**ZX350LC-6**

Width: 1 300 mm  
Weight: 2 350 kg

**ZX350LCN-6**

Width: 1 270 mm  
Weight: 2 000 kg

**Additional counterweight**

Width: 2 780 mm  
Weight: 4 400 kg

**Counterweight**

Width: 2 950 mm  
Weight: 7 600 kg
## SPECIFICATIONS

### ZAXIS350LC MONOBLOCK BOOM

#### WORKING RANGES: MONOBLOCK BOOM

<table>
<thead>
<tr>
<th>Arm length</th>
<th>ZAXIS 350LC / ZAXIS 350LCN</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Monoblock boom</td>
</tr>
<tr>
<td></td>
<td>2.33 m</td>
</tr>
<tr>
<td>A Max. digging reach</td>
<td>10 310</td>
</tr>
<tr>
<td>A’ Max. digging reach (on ground)</td>
<td>10 080</td>
</tr>
<tr>
<td>B Max. digging depth</td>
<td>6 500</td>
</tr>
<tr>
<td>B’ Max. digging depth for 2.5 m level</td>
<td>6 300</td>
</tr>
<tr>
<td>C Max. cutting height</td>
<td>9 980</td>
</tr>
<tr>
<td>D Max. dumping height</td>
<td>6 900</td>
</tr>
<tr>
<td>D’ Min. dumping height</td>
<td>3 580</td>
</tr>
<tr>
<td>E Min. swing radius</td>
<td>4 460</td>
</tr>
<tr>
<td>F Max. vertical wall digging depth</td>
<td>5 330</td>
</tr>
</tbody>
</table>

Excluding track shoe lug
### SPECIFICATIONS

**ZAXIS 350LC MONOBLOCK BOOM**

<table>
<thead>
<tr>
<th>Conditions</th>
<th>Load point height m</th>
<th>1.5 m</th>
<th>3.0 m</th>
<th>4.5 m</th>
<th>6.0 m</th>
<th>7.5 m</th>
<th>9.0 m</th>
<th>At max. reach</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Boom 6.4 m</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.5</td>
<td><em>16 000</em></td>
<td>11 000</td>
<td>10 710</td>
<td>10 220</td>
<td>7 960</td>
<td>10 220</td>
<td>7 740</td>
<td>7.00</td>
</tr>
<tr>
<td>3.0</td>
<td>13 850</td>
<td>9 770</td>
<td>10 860</td>
<td>7 180</td>
<td>8 490</td>
<td>5 890</td>
<td>8.60</td>
<td></td>
</tr>
<tr>
<td>1.5</td>
<td>14 810</td>
<td>9 390</td>
<td>10 620</td>
<td>6 970</td>
<td>8 690</td>
<td>5 770</td>
<td>8.62</td>
<td></td>
</tr>
<tr>
<td><strong>Arm 2.67 m</strong></td>
<td>3.0</td>
<td>13 890</td>
<td>13 880</td>
<td>14 560</td>
<td>9 170</td>
<td>10 490</td>
<td>9 800</td>
<td>7.84</td>
</tr>
<tr>
<td>1.5</td>
<td>14 700</td>
<td>9 380</td>
<td>10 610</td>
<td>6 950</td>
<td>8 290</td>
<td>5 690</td>
<td>8.89</td>
<td></td>
</tr>
<tr>
<td><strong>Counterweight 7 620 kg</strong></td>
<td>3.0</td>
<td>13 890</td>
<td>13 910</td>
<td>14 470</td>
<td>9 090</td>
<td>10 400</td>
<td>7 670</td>
<td>9.13</td>
</tr>
<tr>
<td><strong>Shoe 600 mm</strong></td>
<td><strong>1.5</strong></td>
<td>14 700</td>
<td>9 380</td>
<td>10 610</td>
<td>6 950</td>
<td>8 290</td>
<td>5 690</td>
<td>8.89</td>
</tr>
</tbody>
</table>

**ZAXIS 350LCN MONOBLOCK BOOM**

<table>
<thead>
<tr>
<th>Conditions</th>
<th>Load point height m</th>
<th>1.5 m</th>
<th>3.0 m</th>
<th>4.5 m</th>
<th>6.0 m</th>
<th>7.5 m</th>
<th>9.0 m</th>
<th>At max. reach</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Boom 6.4 m</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.5</td>
<td><em>16 000</em></td>
<td>11 000</td>
<td>10 710</td>
<td>10 220</td>
<td>7 960</td>
<td>10 220</td>
<td>7 740</td>
<td>7.00</td>
</tr>
<tr>
<td>3.0</td>
<td>13 850</td>
<td>9 770</td>
<td>10 860</td>
<td>7 180</td>
<td>8 490</td>
<td>5 890</td>
<td>8.60</td>
<td></td>
</tr>
<tr>
<td>1.5</td>
<td>14 810</td>
<td>9 390</td>
<td>10 620</td>
<td>6 970</td>
<td>8 690</td>
<td>5 770</td>
<td>8.62</td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**
1. Ratings are based on ISO 10567.
2. Lifting capacity does not exceed 75% of tipping load with the machine on firm, level ground or 87% full hydraulic capacity.
3. The load point is the center-line of the bucket pivot mounting pin on the arm.
4. *Indicates load limited by hydraulic capacity.
5. 0 m = Ground.

For lifting capacities, subtract bucket and quick hitch weight from lifting capacities.

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**SPECIFICATIONS**

<table>
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<tr>
<th>Conditions</th>
<th>Load point height m</th>
<th>1.5 m</th>
<th>3.0 m</th>
<th>4.5 m</th>
<th>6.0 m</th>
<th>7.5 m</th>
<th>9.0 m</th>
<th>At max. reach</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Boom 6.4 m</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.5</td>
<td><em>16 000</em></td>
<td>11 000</td>
<td>10 710</td>
<td>10 220</td>
<td>7 960</td>
<td>10 220</td>
<td>7 740</td>
<td>7.00</td>
</tr>
<tr>
<td>3.0</td>
<td>13 850</td>
<td>9 770</td>
<td>10 860</td>
<td>7 180</td>
<td>8 490</td>
<td>5 890</td>
<td>8.60</td>
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<td>10 620</td>
<td>6 970</td>
<td>8 690</td>
<td>5 770</td>
<td>8.62</td>
<td></td>
</tr>
<tr>
<td><strong>Arm 2.67 m</strong></td>
<td>3.0</td>
<td>13 890</td>
<td>13 880</td>
<td>14 560</td>
<td>9 170</td>
<td>10 490</td>
<td>9 800</td>
<td>7.84</td>
</tr>
<tr>
<td>1.5</td>
<td>14 700</td>
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<td>10 610</td>
<td>6 950</td>
<td>8 290</td>
<td>5 690</td>
<td>8.89</td>
<td></td>
</tr>
<tr>
<td><strong>Counterweight 7 620 kg</strong></td>
<td>3.0</td>
<td>13 890</td>
<td>13 910</td>
<td>14 470</td>
<td>9 090</td>
<td>10 400</td>
<td>7 670</td>
<td>9.13</td>
</tr>
<tr>
<td><strong>Shoe 600 mm</strong></td>
<td><strong>1.5</strong></td>
<td>14 700</td>
<td>9 380</td>
<td>10 610</td>
<td>6 950</td>
<td>8 290</td>
<td>5 690</td>
<td>8.89</td>
</tr>
</tbody>
</table>

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**Conditions**

- 0 (Ground)
- 1.5 meter
- 3.0 meter
- 4.5 meter
- 6.0 meter
- 7.5 meter
- 9.0 meter

- **A:** Load radius
- **B:** Load point height
- **C:** Lifting capacity

---

**Notes:**
1. Ratings are based on ISO 10567.
2. Lifting capacity does not exceed 75% of tipping load with the machine on firm, level ground or 87% full hydraulic capacity.
3. The load point is the center-line of the bucket pivot mounting pin on the arm.
4. *Indicates load limited by hydraulic capacity.
5. 0 m = Ground.

For lifting capacities, subtract bucket and quick hitch weight from lifting capacities.
### ENGINE
- Aftertreatment device
- Air cleaner double filter
- Alternator 50 A
- Auto idle system
- Auto shut-down control
- Cartridge-type engine oil filter
- Cartridge-type fuel main filter
- Cold fuel resistance valve
- DEF/AdBlue® tank inlet strainer and extension filter
- DEF/AdBlue® tank with ISO magnet adapter
- Dry-type air filter with evacuator valve (with air filter restriction indicator)
- Dust-proof indoor net
- ECO/PWR mode control
- Electrical fuel feed pump
- Engine oil drain coupler
- Expansion tank
- Fan guard
- Fuel cooler
- Fuel pre-filter with water separator
- Isolation-mounted engine
- Maintenance free pre-cleaner
- Radiator, oil cooler and intercooler

### HYDRAULIC SYSTEM
- Auto power lift
- Control valve with main relief valve
- Full-flow filter
- High mesh full flow filter with restriction indicator
- Hose rupture valve for boom
- Hose rupture valve for arm
- Pilot filter
- Power boost
- Suction filter
- Swing damper valve
- Two extra part for control valve
- Variable hydraulic fan oil cooler
- Relief valve for telescopic arm
- Work mode selector

### CAB
- All-weather sound suppressed steel cab
- AM-FM radio
- Ashtray
- Auto control air conditioner
- AUX. terminal and storage
- Cab front guard for sliding cab
- Cigarette lighter 24 V
- CRES V (Center pillar reinforced structure) cab
- Drink holder with hot & cool function
- Electric double horn
- Engine shut-off switch
- Equipped with reinforced, tinted (green color) glass windows
- Evacuation hammer
- Fire extinguisher bracket
- Floor mat
- Footrest
- Front window washer
- Glove compartment
- Hot & cool box
- Intermittent windshield wipers
- Key cylinder light
- Laminated round glass window
- LED room light with door courtesy
- OPG top guard Level I (ISO10262) compliant cab
- OPG top guard Level II (ISO10262) compliant cab
- Pilot control shut-off lever
- Power outlet 12 V
- Rain guard
- Rear tray
- Retractable seat belt
- Rubber radio antenna
- Seat : air suspension seat with heater
- Seat adjustment part : backrest, armrest, height and angle, slide forward / back
- Short wrist control levers
- Sliding cab
- Sun visor (front window/side window)
- Transparent roof with slide curtain
- Windows on front, upper, lower and left side can be opened
- 2 speakers
- 4 fluid-filled elastic mounts

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### MONITOR SYSTEM
- Alarms: overhear, engine warning, engine oil pressure, alternator, minimum fuel level, hydraulic filter restriction, air filter restriction, work mode, overload, SCR system trouble etc
- Alarm buzzers: overhear, engine oil pressure, overload, SCR system trouble
- Display of meters: water temperature, hour, fuel rate, clock, DEF/AdBlue® rate
- Other displays: work mode, auto-idle, glow, rearview monitor, operating conditions, etc
- 32 languages selection

### LIGHTS
- Additional boom light with cover
- Additional cab roof front lights
- Additional cab roof rear lights
- Additional LED light on sliding cab
- Rotating lamp
- 2 working lights

### UPPER STRUCTURE
- Additional counterweight 4 400 kg
- Batteries 2 x 135 Ah
- Battery disconnect switch
- Body top handrail
- Counterweight 7 600 kg
- Electric fuel refilling pump with auto stop and filter
- Electric grease gun
- Fuel level float
- Hydraulic oil level gauge
- Lockable fuel refilling cap
- Lockable machine covers
- Lockable tool box
- Platform handrail
- Rear view camera
- Rear view mirror (right & left side)
- Sidewalk for sliding cab
- Skid-resistant plates and handrails
- Swing parking brake
- Undercover
- Utility space

### STANDARD EQUIPMENT
- Standard tool kit
- Onboard information controller
- Standard tool kit
- Zoom camera

### OPTIONAL EQUIPMENT
- Standard equipment
- Optional equipment

*Caution when using STD arm (backhoe front):
- For light digging only.
- The hydraulic circuit is used exclusively for the CTA, therefore attachments cannot be used.

Standard and optional equipment may vary by country, so please consult your Hitachi dealer for details.
Prior to operating this machine, including satellite communication system, in a country other than a country of its intended use, it may be necessary to make modifications to it so that it complies with the local regulatory standards (including safety standards) and legal requirements of that particular country. Please do not export or operate this machine outside the country of its intended use until such compliance has been confirmed. Please contact your Hitachi dealer in case of questions about compliance.

These specifications are subject to change without notice. Illustrations and photos show the standard models, and may or may not include optional equipment, accessories, and all standard equipment with some differences in color and features. Before use, read and understand the Operator’s Manual for proper operation.