**Forestry Machines**

**ZX250L-5G / ZX290L-5G / ZX400L-5G**

<table>
<thead>
<tr>
<th>Model Code</th>
<th>ZX250L-5G</th>
<th>ZX290L-5G</th>
<th>ZX400L-5G</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine Rated Power</td>
<td>132 kW (177 HP)</td>
<td>132 kW (177 HP)</td>
<td>184 kW (246 HP)</td>
</tr>
<tr>
<td>Operating Weight</td>
<td>26 900 - 27 400 kg</td>
<td>29 900 - 30 600 kg</td>
<td>36 700 kg</td>
</tr>
</tbody>
</table>

*Note: Photos in this brochure may include optional equipment. They may also include custom-made options to meet specific user needs.*
The ZAXIS-5G L series is purpose built on our rich experience for diverse harsh forestry applications. Hitachi knows what users want most in tough forestry environment: Robust front, big traction force and high swing torque. The strengthened forestry front is capable of using a harvester grapple. The oversized forestry undercarriage offers high maneuverability. The ZAXIS-5G L series is originally designed as a versatile forestry machine with a standard cab and upperstructure. It can easily be tweaked and revamped to suit a variety of forestry applications, including logging, felling, loading and road building.
Pursuits of Durability and Reliability

Durable, Reliable Engine

This engine has a track record showing impressive durability at countless tough job sites around the world. The engine — associated with a rugged design, a direct fuel injection system and an elaborate governor — goes green, and complies with EU Stage II and US EPA Tier 2 emissions regulations.

The cooling system well keeps the engine cool. The engine cover has a wider air suction area, and radiators are arranged in parallel for efficient cooling. This parallel arrangement also facilitates their cleaning.

Forestry Front

The forestry front is a reinforced-type H-boom, using thickened plates and restructured high rise bracket for tough forestry works.

Forestry Undercarriage (Reinforced High Track Frame)

Hitachi ZX-L series forest machine is reinforced exclusively for harsh forestry applications. Its oversized undercarriage uses thickened plates, and next-larger-class components, including upper and lower rollers, track links, side track frames and travel motors. Track frame height increases for larger cross section with higher rigidity. Travel devices are redesigned, using thickened motor covers mounted securely by a new method, and reinforcing block bars for protection against damage. Idler brackets, shoe guides, and upper and lower roller brackets (both-end supported) are employed to strengthen the undercarriage.

Reinforced Track Undercover (Optional)

Optional reinforced-type 9 mm thick track undercover is available to protect the center joint and piping from tree branches and stumps. What’s more, 20 mm bolt holes are newly provided at the track frame for the mounting of an over-9 mm thick undercover whenever the customer wants.
Performance

Increased Traction Forces

The undercarriage uses size up components provide increased traction force for better climbing and undercarriage life.

<table>
<thead>
<tr>
<th>Traction forces</th>
<th>246 kN (25 100 kgf)</th>
<th>11 % UP</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZX250L-5G</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ZX290L-5G</td>
<td>298 kN (30 400 kgf)</td>
<td>21 % UP</td>
</tr>
<tr>
<td>ZX400L-5G</td>
<td>322 kN (32 800 kgf)</td>
<td>8 % UP</td>
</tr>
</tbody>
</table>

Increased Ground Clearances

Ample min. ground clearance allows the undercarriage to move around with less worrying about stamps. It gives the undercarriage high stability and maneuverability in woods.

<table>
<thead>
<tr>
<th>Min. ground clearance</th>
<th>740 mm</th>
<th>6 % UP</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZX250L-5G</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ZX290L-5G</td>
<td>770 mm</td>
<td>3 % UP</td>
</tr>
<tr>
<td>ZX400L-5G</td>
<td>800 mm</td>
<td>7 % UP</td>
</tr>
</tbody>
</table>

Increased Swing Torque

Swing torque is the most-demanded feature in forestry applications. Higher swing torque is achieved than ever before, allowing for efficient delimbing with a harvester and powerful log-handling.

<table>
<thead>
<tr>
<th>Increased swing torque</th>
<th>77.5 kNm (7 900 kgf m)</th>
<th>9 % UP</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZX250L-5G</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ZX290L-5G</td>
<td>90.5 kNm (9 200 kgf m)</td>
<td>9 % UP</td>
</tr>
<tr>
<td>ZX400L-5G</td>
<td>120.0 kNm (12 200 kgf m)</td>
<td></td>
</tr>
</tbody>
</table>

Increased Work Height

Log-loading capability is enhanced. A high-lift bracket is redesigned for higher strength and productivity. Log-loading height is increased, and minimum swing radius is shortened. High and wide track frames provide high-lifting capability.

Simplified Maintenance

Dust-Proof Indoor Net

A dust-proof indoor net, provided at the front of air condenser, can be easily removed and cleaned with compressed air. At the rear of the radiator, air blowing can be done through a one-touch open cover. The air condenser is openable for easy cleaning at its rear.

Utility space

One-touch Openable Upper Cover

Note: Photos in this brochure may include optional equipment. They may also include custom-made options to meet specific user needs.
**SPECIFICATIONS**  
**ZX250L-6G**

---

**ENGINE**

<table>
<thead>
<tr>
<th>Model</th>
<th>Isuzu CC-6BG1T</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>4-cylinder, water-cooled, direct injection</td>
</tr>
<tr>
<td>Aspiration</td>
<td>Turbocharged, intercooled</td>
</tr>
<tr>
<td>No. of cylinders</td>
<td>6</td>
</tr>
</tbody>
</table>
| Rated power | ISO 9049, net: 132 kW (177 HP) at 2150 min⁻¹ (rpm)  
SAE J1349, net: 132 kW (177 HP) at 2150 min⁻¹ (rpm) |
| Maximum torque | 637 Nm (85 kgf·m) at 1800 min⁻¹ (rpm) |
| Piston displacement | 6.494 L |
| Bore and stroke | 105 mm x 125 mm |
| Batteries | 2 x 12 V / 88 Ah |

**HYDRAULIC SYSTEM**

**Hydraulic Pumps**

- Main pumps: 2 variable displacement axial piston pumps  
- Maximum oil flow: 2 x 223 L/min  
- Pilot pump: 1 gear pump  
- Maximum oil flow: 32.0 L/min

**Hydraulic Motors**

- Travel: 2 variable displacement axial piston motors  
- Swing: 1 axial piston motor

**Relief Valve Settings**

- Implant circuit: 34.3 MPa (500 kgf/cm²)  
- Swing circuit: 32.4 MPa (450 kgf/cm²)  
- Travel circuit: 34.8 MPa (550 kgf/cm²)  
- Pilot circuit: 3.9 MPa (55 kgf/cm²)  
- Power boost: 38.0 MPa (550 kgf/cm²)

**Hydraulic Cylinders**

- Boom: 1 x 125 mm  
- Arm: 1 x 140 mm  
- Bucket: 1 x 130 mm

**UNDERCARRIAGE**

**Tracks**

Heat treated connecting pins with dirt seals. Hydraulic (grease) track adjusters with shock-absorbing recoil springs.

**Numbers of Rollers and Shoes on Each Side**

Upper rollers: 2  
Lower rollers: 7  
Track shoes: 46  
Track guards: 3

**Travel Device**


**Travel speeds**

- High: 0 to 4.9 km/h  
- Low: 0 to 2.9 km/h

**Maximum traction force**

246 kN (25 100 kgf)

**Gradeability**

70% (35°) continuous

**SERVICE REFILL CAPACITIES**

- Fuel tank: 9.2 L  
- Engine coolant: 9.1 L  
- Swinging device: 9.2 L  
- Hydraulic system: 280.0 L  
- Hydraulic oil tank: 156.0 L

**WEIGHTS AND GROUND PRESSURE**

**Operating weight and Ground pressure (without bucket)**

<table>
<thead>
<tr>
<th>Show type</th>
<th>Shoe width</th>
<th>Arm length</th>
<th>Operating weight kg</th>
<th>Ground pressure (kPa) (kgf/cm²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Double grouser shoe</td>
<td>650</td>
<td>2.06</td>
<td>27 400</td>
<td>55 (0.55)</td>
</tr>
<tr>
<td>Single grouser shoe</td>
<td>650</td>
<td>2.06</td>
<td>26 900</td>
<td>54 (0.55)</td>
</tr>
</tbody>
</table>

**WEIGHT: BASIC MACHINE and COMPONENTS**

**Basic Machine Weight and Overall width**

Excluding front-end attachment, fuel, hydraulic oil, coolant, etc., and including counterweight.

**ZX250L-6G**

<table>
<thead>
<tr>
<th>Show type</th>
<th>Shoe width</th>
<th>Weight</th>
<th>Overall width</th>
</tr>
</thead>
<tbody>
<tr>
<td>Double grouser shoe</td>
<td>650</td>
<td>23 000</td>
<td>3 390 mm</td>
</tr>
<tr>
<td>Single grouser shoe</td>
<td>650</td>
<td>22 400</td>
<td>3 390 mm</td>
</tr>
</tbody>
</table>

**Component weights**

<table>
<thead>
<tr>
<th></th>
<th>ZX250L-6G</th>
</tr>
</thead>
<tbody>
<tr>
<td>Counterweight</td>
<td>5 250 kg</td>
</tr>
<tr>
<td>Arm (with link and bucket cylinder)</td>
<td>1 270 kg</td>
</tr>
</tbody>
</table>

**BUCKET AND ARM DIGGING FORCES**

- Arm length: 2.96 m
- Bucket digging force: 188 kN (20 200 kgf) (SAE : PCSA)  
- Bucket digging force: 163 kN (16 000 kgf) (ISO)

**BACKHOE ATTACHMENTS**

Boom and arms are of welded, box-section design. 6.00 m boom and 2.96 m arm is available. Bucket is of welded steel structure. Side clearance adjust mechanism provided on the bucket joint bracket.

**Bucket (option)**

<table>
<thead>
<tr>
<th>Capacity</th>
<th>ISO heaped: Without side cutters</th>
<th>With side cutters</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00 m³</td>
<td>1 130 mm</td>
<td>1 200 mm</td>
</tr>
<tr>
<td>No. of teeth</td>
<td>5</td>
<td>500 kg</td>
</tr>
</tbody>
</table>

---

*International Organization for Standardization*
### SPECIFICATIONS

#### ZX290L-6G

**Working Ranges**

<table>
<thead>
<tr>
<th>Arm length</th>
<th>Unit: m</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZX290L-6G</td>
<td>2.86</td>
</tr>
</tbody>
</table>

A Max. working reach: 7.30 m
B Max. working depth: 4.30 m
C Max. working height: 9.60 m
D Min. dumping height: 5.00 m
E Min. swing radius: 2.80 m

*Excluding track shoe lug*

**Dimensions**

<table>
<thead>
<tr>
<th>A'</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Engine**

- Model: Isuzu CC-6BG1T
- Type: 4-cycle water-cooled, direct injection
- Aspiration: Turbocharged, Intercooled
- Rated power: 132 kW (177 HP) at 2,150 rpm
- No. of cylinders: 6
- Maximum torque: 637 Nm (650 kgf.m) at 1,800 rpm
- Maximum oil flow: 226 L/min
- Main pumps: 2 variable displacement axial piston motors
- Maximum oil flow: 34.3 MPa (350 kgf/cm²)
- Maximum oil flow: 34.3 L/min
- Swing: 1 axial piston motor
- Relief Valve Settings:
  - Swing circuit: 34.3 MPa (350 kgf/cm²)
  - Travel circuit: 34.8 MPa (355 kgf/cm²)
  - Pilot circuit: 3.9 MPa (40 kgf/cm²)
- Power boost: 38.0 MPa (390 kgf/cm²)

**Hydraulic Cylinders**

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Bore</th>
<th>Rod diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boom</td>
<td>2</td>
<td>135 mm / 25 mm</td>
</tr>
<tr>
<td>Arm</td>
<td>1</td>
<td>135 mm / 90 mm</td>
</tr>
<tr>
<td>Bucket</td>
<td>1</td>
<td>135 mm / 90 mm</td>
</tr>
</tbody>
</table>

**Undercarriage**

- Maximum traction force: 298 kN (30,400 kgf)
- Gradability: 70% (35 degrees) continuous

**Service Refill Capacities**

- Coolant: 510.0 L
- Engine oil: 26.0 L
- Swing device: 11.7 L
- Travel device: 9.2 L
- Hydraulic system: 250.0 L
- Hydraulic oil tank: 156.0 L

**Weights and Ground Pressure**

<table>
<thead>
<tr>
<th>Operating weight and Ground pressure (without bucket)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZX290L-6G</td>
</tr>
<tr>
<td>Show type: Double grouser shoe</td>
</tr>
<tr>
<td>ZONE</td>
</tr>
<tr>
<td>Arm length</td>
</tr>
<tr>
<td>Show weight</td>
</tr>
<tr>
<td>Ground pressure</td>
</tr>
</tbody>
</table>

- Arm length: 3.11 m
- Operating weight: 30 600 kgf
- Ground pressure: 57 (0.59)

**Revolving Frame**

D-section frame skirt 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: 10.3 km/h (6.494 L/min)
- Swing torque: 90.5 kNm (920 kgf.m)

**Operator’s Cab**

Independent spacious cab, 1,005 mm wide by 1,675 mm high, conforming to ISO Standard.

*International Organization for Standardization*
WEIGHT: BASIC MACHINE and COMPONENTS

Basic Machine Weight and Overall width

Excluding front-end attachment, fuel, hydraulic oil, coolant, etc., and including counterweight.

<table>
<thead>
<tr>
<th>Shoe type</th>
<th>Shoe width</th>
<th>Weight</th>
<th>Overall width</th>
</tr>
</thead>
<tbody>
<tr>
<td>Double grouser shoe</td>
<td>600 mm</td>
<td>25 600 kg</td>
<td>3 390 mm</td>
</tr>
<tr>
<td>Single grouser shoe</td>
<td>600 mm</td>
<td>25 000 kg</td>
<td>3 390 mm</td>
</tr>
</tbody>
</table>

Component weights

<table>
<thead>
<tr>
<th></th>
<th>ZX290L-5G</th>
</tr>
</thead>
<tbody>
<tr>
<td>Counterweight</td>
<td>6 300 kg</td>
</tr>
<tr>
<td>Arm (with link and bucket cylinder)</td>
<td>1 500 kg</td>
</tr>
</tbody>
</table>

BUCKET AND ARM DIGGING FORCES

Arm length 3.11 m

<table>
<thead>
<tr>
<th>Arm length</th>
<th>Bucket digging force* ISO</th>
<th>Bucket digging force* SAE : PCSA</th>
<th>Arm crowd force* ISO</th>
<th>Arm crowd force* SAE : PCSA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>202 kN (20 600 kgf)</td>
<td>175 kN (17 900 kgf)</td>
<td>144 kN (14 700 kgf)</td>
<td>138 kN (14 100 kgf)</td>
</tr>
</tbody>
</table>

* At power boost

BACKHOE ATTACHMENTS

Boom and arms are of welded, box-section design. 6.20 m boom and 3.11 m arm is available.

Bucket is of welded steel structure. Side clearance adjust mechanism provided on the bucket joint bracket.

Buckets (option)

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Width</th>
<th>No. of teeth</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISO heaped</td>
<td>Without side cutters</td>
<td>1 200 mm</td>
<td>1 300 mm</td>
</tr>
</tbody>
</table>

WORKING RANGES

<table>
<thead>
<tr>
<th>Unit: mm</th>
<th>ZX290L-5G</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arm length</td>
<td>3.11 m</td>
</tr>
<tr>
<td>A Max. working reach</td>
<td>9 150</td>
</tr>
<tr>
<td>A’ Max. working reach (on ground)</td>
<td>8 680</td>
</tr>
<tr>
<td>B Max. working depth</td>
<td>4 140</td>
</tr>
<tr>
<td>C Min. dumping height</td>
<td>9 910</td>
</tr>
<tr>
<td>D Min. swing radius</td>
<td>4 950</td>
</tr>
<tr>
<td>E Min. swing height</td>
<td>3 170</td>
</tr>
</tbody>
</table>

Excluding track shoe lug

DIMENSIONS

<table>
<thead>
<tr>
<th>Unit: mm</th>
<th>ZX290L-5G</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Distance between tumblers</td>
<td>4 050</td>
</tr>
<tr>
<td>B Undercarriage length</td>
<td>5 010</td>
</tr>
<tr>
<td>C Counterweight clearance</td>
<td>1 420</td>
</tr>
<tr>
<td>D Rear-end swing radius</td>
<td>3 140</td>
</tr>
<tr>
<td>D’ Rear-end length</td>
<td>3 140</td>
</tr>
<tr>
<td>E Engine cover height</td>
<td>2 900</td>
</tr>
<tr>
<td>F Overall width of upperstructure</td>
<td>2 670</td>
</tr>
<tr>
<td>G Cab height</td>
<td>3 410</td>
</tr>
<tr>
<td>G’ Overall height of upperstructure</td>
<td>3 470</td>
</tr>
<tr>
<td>H Min. ground clearance</td>
<td>770</td>
</tr>
<tr>
<td>I Track gauges</td>
<td>2 790</td>
</tr>
<tr>
<td>J Track shoe width</td>
<td>600</td>
</tr>
<tr>
<td>K Undercarriage width</td>
<td>3 390</td>
</tr>
<tr>
<td>L Overall width</td>
<td>3 390</td>
</tr>
<tr>
<td>M Track height with double grouser shoe</td>
<td>1 250</td>
</tr>
<tr>
<td>N Overall length</td>
<td>10 420</td>
</tr>
<tr>
<td>O Overall height of boom</td>
<td>3 270</td>
</tr>
</tbody>
</table>

* The dimension do not include the height of the shoe lug.
### SPECIFICATIONS

**ZX400L-5G**

#### ENGINE

- **Model:** Isuzu AA-6HK1X
- **Type:** 4-cylinder, water-cooled, direct injection
- **Aspiration:** Turbocharged, intercooled
- **No. of cylinders:** 6
- **Rated power:**
  - **ISO 15549, net:** 144 kW (193 HP) at 2,000 rpm
  - **SAE 1314, net:** 140 kW (188 HP) at 1,700 rpm
- **Maximum torque:** 68 (0.69) kN.m (7.790 lbf-ft)
- **Piston displacement:** 7,790 cm³ (473 cu.in.)
- **Bore and stroke:** 115 mm x 125 mm
- **Battery:** 2 x 12 V / 128 Ah

#### HYDRAULIC SYSTEM

**Hydraulic Pumps**
- **Main pumps:** 2 variable displacement axial piston pumps
- **Maximum oil flow:** 360 L/min
- **Pilot pump:** 1 gear pump
- **Maximum oil flow:** 32.4 L/min

**Hydraulic Motors**
- **Travelling:** 1 axial piston motor
- **Swing:** 2 variable displacement axial piston motors

**Relief Valve Settings**
- **Implant circuit:** 34.3 MPa (500 kg/cm²)
- **Swing circuit:** 32.4 MPa (475 kg/cm²)
- **Travelling circuit:** 34.8 MPa (505 kg/cm²)
- **Pilot circuit:** 3.9 MPa (55 kg/cm²)
- **Power boost:** 38.0 MPa (555 kg/cm²)

**Hydraulic Cylinders**
- **Boom:** 140 mm
- **Arm:** 110 mm
- **Bucket:** 95 mm

#### UPPERSTRUCTURE

**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:** 10.7 m/min (35 degree) continuous
- **Swing torque:** 120 kNm (12 200 kgf-m)

**Operator’s Cab**
- **Independent spacious cab, 1,005 mm wide by 1,675 mm high, conforming to ISO standards.**
  
**Service Refill Capacities**
- **Fuel tank:** 110 L
- **Engine coolant:** 36.0 L
- **Engine oil:** 36.0 L
- **Swing device:** 15.7 L
- **Travel device (each side):** 11.0 L
- **Hydraulic system:** 340.0 L
- **Hydraulic oil tank:** 180.0 L

**Weights and Ground Pressure**

- **Operating weight and Ground pressure (without bucket):**
- **Double grouser shoe:** 600 mm, 3.20 m, 36.700 kg, 68 (0.69) kN.m
- **Single grouser shoe:** 600 mm, 3.20 m, 36.700 kg, 68 (0.69) kN.m

**WEIGHT: BASIC MACHINE and COMPONENTS**

- **Basic Machine Weight and Overall width:**
  - **Excluding front-end attachment, fuel, hydraulic oil, coolant, etc., and including counterweight.**
  - **ZX400L-5G**

<table>
<thead>
<tr>
<th>Component weights</th>
<th>ZX400L-5G</th>
</tr>
</thead>
<tbody>
<tr>
<td>Counterweight</td>
<td>7,600 kg</td>
</tr>
<tr>
<td>Arm (with link and bucket cylinder)</td>
<td>1,520 kg</td>
</tr>
</tbody>
</table>

**BUCKET AND ARM DIGGING FORCES**

<table>
<thead>
<tr>
<th>Arm length</th>
<th>3.20 m</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arm crowd force* ISO</td>
<td>246.0 kN (25,100 kgf)</td>
</tr>
<tr>
<td>Arm crowd force* SAE / PCSA</td>
<td>214.0 kN (21,800 kgf)</td>
</tr>
<tr>
<td>Arm crowd force* ISO</td>
<td>185.0 kN (18,900 kgf)</td>
</tr>
<tr>
<td>Arm crowd force* SAE / PCSA</td>
<td>177.0 kN (18,100 kgf)</td>
</tr>
</tbody>
</table>

* All power boost

**BACKHOE ATTACHMENTS**

**Bucket and Arm**
- **Boom and arms are of welded, box-section design. 6.40 m boom and 3.20 m arm is available.**
- **Bucket is of welded steel structure. Side clearance adjust mechanism provided on the bucket joint bracket.**

**Buckets (option)**

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Width</th>
<th>No. of teeth</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISO heaped</td>
<td>1,400 mm</td>
<td>5</td>
<td>1,560 kg</td>
</tr>
<tr>
<td>Without side cutters</td>
<td>1,280 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>With side cutters</td>
<td>1,410 mm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**SPECIFICATIONS**

**ZX400L-5G**

**WORKING RANGES**

<table>
<thead>
<tr>
<th>Meter</th>
<th>ZX400L-5G</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Arm length</td>
</tr>
<tr>
<td>A</td>
<td>Max. working reach</td>
</tr>
<tr>
<td>A</td>
<td>Max. working reach (on ground)</td>
</tr>
<tr>
<td>B</td>
<td>Max. working depth</td>
</tr>
<tr>
<td>C</td>
<td>Max. working height</td>
</tr>
<tr>
<td>D</td>
<td>Min. dumping height</td>
</tr>
<tr>
<td>E</td>
<td>Min. swing radius</td>
</tr>
</tbody>
</table>

**Excluding track shoe lug**

**DIMENSIONS**

**ZX400L-5G**

<table>
<thead>
<tr>
<th>Unit mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
</tr>
<tr>
<td>B</td>
</tr>
<tr>
<td>C</td>
</tr>
<tr>
<td>D</td>
</tr>
<tr>
<td>D'</td>
</tr>
<tr>
<td>E</td>
</tr>
<tr>
<td>F</td>
</tr>
<tr>
<td>G</td>
</tr>
<tr>
<td>G'</td>
</tr>
</tbody>
</table>

*The dimensions do not include the height of the shoe lug*

---

**LIFTING CAPACITIES (Without Bucket)**

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 without bucket.

**ZX250L-5G**

<table>
<thead>
<tr>
<th>Conditions</th>
<th>Load point height</th>
<th>Load radius</th>
<th>Arm length</th>
<th>A max. reach</th>
</tr>
</thead>
<tbody>
<tr>
<td>H-boom</td>
<td>6.0 m</td>
<td>660 mm</td>
<td>11230</td>
<td>16200</td>
</tr>
<tr>
<td>Arm</td>
<td>2.98 m</td>
<td>13300</td>
<td>16200</td>
<td>16200</td>
</tr>
<tr>
<td>Without Bucket Shoe</td>
<td>660 mm</td>
<td>11230</td>
<td>16200</td>
<td>16200</td>
</tr>
<tr>
<td>E Min. swing radius</td>
<td>3.230</td>
<td>11230</td>
<td>16200</td>
<td>16200</td>
</tr>
</tbody>
</table>

**Unit: kg**

**ZX400L-5G**

<table>
<thead>
<tr>
<th>Conditions</th>
<th>Load point height</th>
<th>Load radius</th>
<th>Arm length</th>
<th>A max. reach</th>
</tr>
</thead>
<tbody>
<tr>
<td>H-boom</td>
<td>6.40 m</td>
<td>660 mm</td>
<td>11230</td>
<td>16200</td>
</tr>
<tr>
<td>Arm</td>
<td>3.20 m</td>
<td>13300</td>
<td>16200</td>
<td>16200</td>
</tr>
<tr>
<td>Without Bucket Shoe</td>
<td>660 mm</td>
<td>11230</td>
<td>16200</td>
<td>16200</td>
</tr>
<tr>
<td>E Min. swing radius</td>
<td>3.230</td>
<td>11230</td>
<td>16200</td>
<td>16200</td>
</tr>
</tbody>
</table>

**Unit: kg**
### EQUIPMENT

Standard and optional equipment may vary by country, so please consult your Hitachi dealer for details.

<table>
<thead>
<tr>
<th>Standard equipment</th>
<th>Optional equipment</th>
</tr>
</thead>
</table>

#### ENGINE

- Air cleaner (double filters)
- Auto idler system
- Oil cooler system
- CARTRIDGE type fuel oil filter
- Dry type air filter with evacuation valve (with air filter restriction indicator)
- Dust Proof indoor net
- ECO-PWR mode control
- Engine warm-up device
- Fan guard
- Pre-cleaner
- Radiator reserve tank
- Water separator
- SO-A alternator

#### HYDRAULIC SYSTEM

- Auto power lift
- Control valve with main relief valve
- Full-flow filter
- High mesh full-flow filter with restriction indicator
- One extra port for control valve
- Pilot filter
- Power boost
- SUCTION filter
- Work mode selector

#### CAB

- All weather sound suppressed steel cab
- AM-FM radio with 2 speakers
- Antenna
- Auto control air conditioner
- AUX. terminal and storage
- Cab (Center pillar reinforced structure)
- Drink holder
- Drink holder with hot & cool
- Electric double horn
- Engine shut-off lever
- Evacuation horn
- Floor mat
- Footrest
- Front window weather
- Front window on upper, lower and left side can be opened
- Glove compartment
- Hot & cool box
- Intermittent windshield wipers
- Key cylinder light
- LED room light with door courtesy

#### UNDERCARRIAGE

- Bolt-on guards
- High track
- Hydraulic track adjuster
- Lower roller
- Reinforced track links with pin seals
- Reinforced track bracket
- Reinforced side step (Bolt-on type)
- Reinforced track spring
- Reinforced upper rollers
- Shoe guide (Anti-rebound device)
- Travel parking brake
- Travel parking brake
- 4 tie-down hooks
- 650 mm double grousers
- 650 mm single grousers
- 3 mm reinforced track under cover

#### MONITOR SYSTEM

- Alarm buzzers (overheat, engine oil pressure, overload)
- Alarm overheat, engine warning, engine oil pressure, alternator, oil, minimum fuel level, hydraulic filter restriction, air filter restriction, work mode, oil level, etc
- Display of meters (work mode, auto-idle, glow, operating conditions, etc)
- Other displays (work mode, auto-idle, glow, operating conditions, etc)
- 32 languages selection

#### UPPER STRUCTURE

- Electric fuel refilling pump
- Fuel level float
- Hydraulic fluid gauge
- Rear view camera
- Rear view mirror (left & right side)
- Swing parking brake
- Tool box
- Undercarriage (24 V cigarette lighter)
- Upper structure (3 mm reinforced track under cover)
- Utility space
- 6 mm reinforced undercar
- 3 mm reinforced undercar
- 5,200 kg heavier counterweight
- 6,300 kg heavier counterweight
- 7,600 kg heavier counterweight
- 2x88 Ah batteries
- 2x128 Ah batteries

#### FRONT ATTACHMENTS

- Arm (9 mm)
- Arm with damage prevention plate (9 mm)
- Boom with high rise bracket (12 mm)
- Bucket (9 mm)
- Centralized lubrication system
- Oil seal on all bucket pins
- Flanged pin
- PIN bushing
- Reinforced main thrust plate
- Reinforced link B
- VC (Dungten-Carbide) thermal spraying
- Without bucket

#### MISCELLANEOUS

- Global e-Service
- Lockable fuel refilling cap
- Lockable machine covers
- Onboard information controller
- Skid resistant tapes, plates and handrails
- Standard tool kit
- Travel direction mark on track frame

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Standard and optional equipment may vary by country, so please consult your Hitachi dealer for details.
Built on the foundation of superb technological capabilities, Hitachi Construction Machinery is committed to providing leading-edge solutions and services to contribute as a reliable partner to the business of customers worldwide.

Hitachi Environmental Vision 2025

The Hitachi Group released the Environmental Vision 2025 to curb annual carbon dioxide emissions. The Group is committed to global production while reducing environmental impact in life cycles of all products, and realizing a sustainable society by tackling three goals — prevention of global warming, conservation of resources, and preservation of ecosystem.

Reducing Environmental Impact by New ZAXIS

Hitachi makes a green way to cut carbon emissions for global warming prevention according to LCA*. New ZAXIS utilizes lots of technological advances, including the new ECO mode, and Isochronous Control. Hitachi has long been committed to recycling of components, such as aluminum parts in radiators and oil cooler. Resin parts are marked for recycling.

*Life Cycle Assessment – ISO 14040

Before using a machine with a satellite communication system, please make sure that the satellite communication system complies with local regulations, safety standards and legal requirements. If not so, please make modifications accordingly.

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.