ZAXIS-5G series

HYDRAULIC EXCAVATOR
Model Code : ZX200-5G / ZX200LC-5G / ZX210H-5G / ZX210LCH-5G
ZX210K-5G / ZX210LCK-5G
Engine Rated Power : 125 kW (168 HP)
Operating Weight : ZX200-5G : 19 800 kg / ZX200LC-5G : 20 400 kg
ZX210H-5G : 21 100 kg / ZX210LCH-5G : 21 500 kg
ZX210K-5G : 21 100 kg / ZX210LCK-5G : 21 500 kg
Backhoe Bucket : ISO Heaped : 0.51 - 1.20 m³
A ZAXIS hallmark – industry-leading hydraulic technologies, and performance no other can beat. New ZAXIS provides reliable solutions: impressive fuel economy, swift front movements, and easy operation. You’ll also find Hitachi technological prowess and expertise, such as the optimized hydraulic system and engine.

New ZAXIS features the key benefits of high quality, low fuel consumption, and high durability, all of which serve to ensure low running costs. New ZAXIS, which is empowered by comprehensive evolution, will realize customers’ visions and dreams, and pioneer your colorful future.

**Key Benefits for Low Running Costs**
- 9% reduction in fuel consumption
- More fuel reduction in the ECO mode
- Swift front movements with HIOS III hydraulics
- Powerful lifting operation
- Boosted swing torque
- Enhanced power boost

**More Production with Less Fuel**
- Comfortable operating environment
- Comfort-designed operator seat
- Robust cab
- New, easy-to-use multifunctional monitor
- Comfortable operating environment
- Comfort-designed operator seat
- Robust cab
- New, easy-to-use multifunctional monitor

**Reliable Solutions, with Various Options**
- Varied jobs, varied options
- Recommended options

**Various Versions**
- Heavy-duty version: H-series
- Demolition version: K-series

**Pursuits of Performance and Durability**
- Prestige R&D and quality control
- Durable, reliable engine
- Rock-solid, durable front attachment
- Strengthened undercarriage
- Proven upperstructure

**Simplified Maintenance**
- Dust-proof indoor net
- Grouped remote inspection points
- Attractive, robust body
- Low life cycle costs

**Hitachi Support Chain**
- Remote fleet management with Global e-Service
- Parts and service

Note: The photos in this brochure show excavators with optional equipments such as rear view camera.
More Production with Less Fuel

9% Reduction in Fuel Consumption

New ZAXIS is a fuel-thrifty excavator that can reduce fuel consumption by 9%, compared to the conventional ZX200-3/ZX200-3F family, thanks to the HIOS III hydraulic system and engine control system, thereby reducing CO₂ emissions.

*5%, compared to the ZX200/ZX200-3G.

More Fuel Reduction in the ECO mode

The ECO mode, a new economical mode, can further cut fuel consumption by 9% compared to the PWR mode, without sacrificing digging speed by optimal matching of operations.

Swift Front Movements with HIOS* III Hydraulics

Operating speed increases with less fuel consumption thanks to the HIOS III hydraulic system, developed by industry-leading hydraulic technologies and a wealth of experience. Actuators work quickly by boom weight, without needing a regenerative circuit and pressure oil.

Human & Intelligent Operation System

Rapid Arm Roll-in

Arm roll-in speed increases by combined flow from arm and boom cylinders through regenerative valves for productive excavation.

Fast Arm Speed During Boom Lowering

Arm speed increases by boom weight during boom lowering, without needing pressure oil from a pump. That is, arm circuit flow is increased for higher arm speed, allowing for quick loading of a dump truck and positioning of the front.

Powerful Lifting Operation

The Auto Power Lift mode, which automatically surge lifting force by 10% when needed, allows for powerful lifting of buried concrete pipes or sheathing sheets.

Power Boost mode allows the operator to surge 10% more digging force for powerful excavation by pressing its button on the control lever.

Enhanced Power Boost

Boosted Swing Torque

Allows for powerful wall cutting with the bucket, and smooth swing operation on slope.
Pursuits of Performance and Durability

**Prestige R&D and Quality Control**

Hitachi has earned praise for technological prowess and product performance around the world. R&D Division has a track record—including excellent design, stress analysis expertise using CAE system, and abundant production data base. What’s more, a large-scale durability test field (427,355 m²) allows for a series of stringent testing of new machines. Production Division strives to automate production processes, including robotic welding, machining, painting, assembling and transferring.

**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. The ample-capacity intercooler and turbocharger help yield a whopping 125 kW (168 HP) output for higher production in shorter job schedule.

**Rock-Solid, Durable Front Attachment**

The boom top and foot are reinforced with thickened high-tensile steel brackets, which incorporate steel bushings to enhance durability. Arm cylinder and boom cylinders (rod extend ends) cushion shocks at stroke ends to cut noise and extend service life.

Joint pins at the front attachment are tightly fit to reduce jolt and sound. The arm-bucket joint is protected by WC thermal spraying on its contact surfaces to reduce wear and jolt. New-type HN bushings, utilized on joint pins, retain grease inside for longer greasing intervals. A reinforced resin thrust plate, mounted on the bucket pin, helps reduce wearing noise.

**Strengthened Undercarriage**

The upperstructure frame is reinforced with the proven D-section skirt to increase rigidity against damage by obstacles. A large door catch is added to reduce shocks and jolts of the cab and upperstructure.

**Proven Upperstructure**

The X-beam frame is made monolithically with fewer welds for higher rigidity and durability. Track adjusters absorb impacts to crawlers. Front idlers and adjuster cylinders are integrated to increase durability. Idler brackets and travel motor brackets are both thickened for added durability.
New, Easy-to-Use Multifunction Monitor

The new multi-language, multifunction monitoring system comprises a 7-inch high-resolution color monitor and a multifunction controller. The monitor allows the operator to check varying operating variables: hydraulic oil temperature, fuel level, work mode, full-auto air conditioner, AM/FM radio, rear view monitor camera (optional), maintenance support, and attachment flow adjustment. Menu items can be selected and adjusted by a multifunction controller on the control panel. A new rear view monitor camera always displays the view behind the machine.

Comfortable Operating Environment

You’ll feel comfortable and confident, with plenty of leg space and excellent visibility when operating the cab. The new compact console gives more leg space. The new door pillar is shifted rearward by 70 mm to widen an entry space for easy access. A new LED room light, interlocked with the door, turns on when the door opens. The front window is easily removed and stored overhead using slide rails. The overhead window is operable for ventilation. Ample air conditioner vents are located strategically for uniform air circulation inside the cab. The control panel and control levers are arranged within easy reach of the operator. AM/FM radio and AUX port (optional) for a mobile music player are available for a long work day with less fatigue. All these designs focus on operator comfort.

Comfort-Designed Operator Seat

The luxury cloth seat is fitted with a headrest and arm rests for operator comfort. The seat can be adjusted in multiple ways, sliding and reclining, to suit operator’s size and preferences. The seat can slide rearward by 40 mm more for added leg space. An air suspension with a heat pad is optional.

Robust Cab

The robust cab, meeting the OPG (Top Guard Level 1), protects the operator from falling objects. The pilot control shut-off lever is provided with a neutral engine start system that permits engine starting only when the pilot control shut-off lever is in Lock position.

Large storage space

Control panel

Main menu

Engine oil

Menu Items

No Compromise on Operator Comfort

The luxury cloth seat is fitted with a headrest and arm rests for operator comfort. The seat can be adjusted in multiple ways, sliding and reclining, to suit operator’s size and preferences. The seat can slide rearward by 40 mm more for added leg space. An air suspension with a heat pad is optional.

The new multi-language, multifunction monitoring system comprises a 7-inch high-resolution color monitor and a multifunction controller. The monitor allows the operator to check varying operating variables: hydraulic oil temperature, fuel level, work mode, full-auto air conditioner, AM/FM radio, rear view monitor camera (optional), maintenance support, and attachment flow adjustment. Menu items can be selected and adjusted by a multifunction controller on the control panel. A new rear view monitor camera always displays the view behind the machine.

Comfort-Designed Operator Seat

The luxury cloth seat is fitted with a headrest and arm rests for operator comfort. The seat can be adjusted in multiple ways, sliding and reclining, to suit operator’s size and preferences. The seat can slide rearward by 40 mm more for added leg space. An air suspension with a heat pad is optional.

Robust Cab

The robust cab, meeting the OPG (Top Guard Level 1), protects the operator from falling objects. The pilot control shut-off lever is provided with a neutral engine start system that permits engine starting only when the pilot control shut-off lever is in Lock position.
Simplified Maintenance

Dust-Proof Indoor Net
A dust-proof indoor net, provided at the front of radiator, 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.

Attractive, Robust Body
Side frame tops of the undercarriage are sloped to let muck slide away. Track adjuster greasing ports are repositioned for easier lubrication, and well protected from muck packing.

Grouped Remote Inspection Points
Service points are concentrated inside left and right covers that are readily accessible from ground level for convenient servicing and inspection, including water draining from the fuel tank, replenishment of coolant, and replacement of filters. The fuel tank is anti-corrosion coated on its inside, and has a large cleaning port at the bottom. These wise designs effectively keep fuel clean, and ease servicing. Handrails are provided at convenient locations for easy riding on the upperstructure. Plenty slip-resistant plates are located for safe maintenance.

Low Life Cycle Costs
Service intervals are long enough to slash maintenance costs.

Grouped remote filters and inspection points
Utility space and radiators
Fuel tank water drainage cock

Engine Oil : 500 h
Engine Oil Filter : 500 h
Hydraulic Oil : 5 000 h
Hydraulic Oil Filter : 1 000 h
Fuel Filter : 500 h

Note: Periodic inspection is required to check oil contamination and such.
Reliable Solutions, with Various Options

**Easy-to-Use Attachments**

The operator can change over valves, adjust extra circuit flow, and check settings from the multifunctional monitor next to the operator seat. What’s more, 11 jobs, including flow rate setting, can easily be selected by their identified names.

**Easy-to-Operate Breaker**

When using a breaker that requires frequent change of hydraulic oil and filters, an extra hour meter on the multifunctional monitor displays operating hours of the breaker, suggesting adequate replacement timing of oil and filters. The Breaker Alarm (optional) displays an alert mark on the monitor screen, and sounds when the breaker works continuously over one minute.

**Varied Jobs, Varied Options**

Lower cab front guard is provided for protection against debris during demolition and breaker operation. High-performance filters and in-line filters are available at tough job sites.

**Recommended Options**

- Breaker hour meter
- Lower cab front guard
- Electric fuel refilling pump
- Rear view camera
- Pre-Cleaner
- Additional cab roof front lights
- Cab roof front lights
- Front lights
Hitachi Support Chain

Hitachi Support Chain is a full customer support system offered after buying a Hitachi machine.

Remote Fleet Management with Global e-Service

Easy Access to On-Site Machines through the Internet

This on-line fleet management system allows you to access each on-site machine from a PC in your office. You can get its operating information and location to increase productivity of the fleet and reduce downtime. Operating data and log are sent to a Hitachi server for processing, and then to customer and dealers around the world. This system is available 24 hours a day, all the year around.

Main Features of Global e-Service

Functions
Global e-Service provides easy access to a machine on site, conveying operating information and log, including daily operating hours, fuel level, temperatures, pressures, and likes.

Maintenance
Maintenance data and log are displayed on an easy-to-read monitor screen, suggesting recommended maintenance for efficient fleet management.

Parts and Service

Hitachi full customer support is available every area on the globe for full customer satisfaction through Hitachi local dealers.

Parts
Hitachi Global Online Network, a parts supply system, is linked with Japan Parts Center, overseas depots and over 150 dealers abroad to deliver on-line parts information, including in-stock parts, order receptions, shipments and delivery period of over one million parts and components.

Genuine Hitachi Parts
Genuine Hitachi parts, meeting Hitachi stringent quality standards, are guaranteed according to Hitachi warranty standards. The use of genuine Hitachi parts, including engine, fuel, hydraulic oil and filters, may slash running costs, and extend machine life.

Ground Engaging Tools (GETs)
Hitachi provides an array of Hitachi Ground Engaging Tools developed and built for a variety of applications.

Using high-quality, well-maintained GETs will help you get customers’ trust.

Note: Some dealers do not handle Hitachi GETs.

Remanufactured Components
Hitachi components are remanufactured according to the stringent remanufacturing standards at factories around the world. They have high quality equivalent to new ones, and backed up by Hitachi warranty system.

Note: Some dealers do not handle Hitachi Remanufactured Components.

Service

Extended Warranty — HELP
Hitachi Standard Warranty System is available on all new Hitachi machines. In addition, Hitachi offers Hitachi Extended Life Programs (HELPs) to suit customer expectations – protecting machines under tough operating conditions, avoiding unexpected downtime, and reducing repair costs.

Note: Warranty conditions vary by equipment.

Diagnostic Tools — Maintenance Pro
Electronic control system needs quick on-site solutions, apart from mechanical repairs. Hitachi’s Maintenance Pro can diagnose machine failures in a short time by plugging a PC into a failed machine.

Technical Training
On-site servicing matters despite locations to keep the machine at peak performance and reduce downtime. Technical Training Center (TTC), located in Japan, educates and trains service technicians and service support personnel coming from Hitachi dealers and factories on the globe according to the international training programs.
Various Versions

**Heavy-Duty Version: H-Series**

**ZAXIS 210H**

- **Reinforced Front Attachment (H-Boom / H-Arm)**
  - Thickened steel plates, damage prevention plates and square bars

- **Reinforced link B**

- **Lower cab front guard**

- **Mechanical suspension seat**

- **0.80 m³ H-bucket**
  - Thickened steel plates, additional lateral-type wear plates, and additional reinforcement plates at cutting edges

- **Reinforced idler bracket**

- **Reinforced lower flange**

**Demolition Version: K-Series**

**ZAXIS 210K**

- **Reinforced Front Attachment (K-Boom / K-Arm)**
  - Thickened steel plates, and damage prevention plates

- **Reinforced link B for demolition**

- **Twin wipers**

- **K-cab**
  - (Cab with overhead window & guard)

- **Breaker and crusher piping**

- **400 kg heavier counterweight**

- **6.0 mm reinforced undercover**

Notes: Photo shown model equipped with optional accessories for breaker and crusher. For more details, contact your dealer.
### ENGINE

- **Model**: Isuzu CC-6BG1T
- **Type**: 4-cycle water-cooled, direct injection
- **Aspiration**: Turbocharged, intercooled
- **No. of cylinders**: 6
- **Rated power**: 125 kW (168 HP) at 2,100 min⁻¹
- **ISO:9249, not**: 125 kW (168 HP) at 2,100 min⁻¹
- **SAE:J1349, not**: 125 kW (168 HP) at 2,100 min⁻¹
- **Maximum torque**: 3,367 Nm (85 kgf.m) at 1,800 min⁻¹ (rpm)
- **Piston displacement**: 649.4 L
- **Bore and stroke**: 105 mm x 125 mm
- **Batteries**: 2 x 12V / 88 Ah

### HYDRAULIC SYSTEM

- **Hydraulic Pumps**: 2 variable displacement axial piston pumps
- **Main pumps**: 2 variable displacement axial piston motors
- **Pilot pump**: 1 gear pump
- **Maximum oil flow**: 33.6 L/min
- **Hydraulic oil tank**: 135 mm

### HYDRAULIC MOTORS

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

### Relief Valve Settings

- **Implement circuit**: 34.3 MPa (350 kgf/cm²)
- **Swing circuit**: 34.3 MPa (350 kgf/cm²)
- **Travel circuit**: 3.9 MPa (40 kgf/cm²)
- **Power boost**: 38.0 MPa (388 kgf/cm²)

### UNDERCARRIAGE

#### Tracks

- **Type**: Heat treated connecting pins with dirt seals. Hydraulic (grease) track adjusters with shock-absorbing recoil springs.
- **Numbers of Rollers and Shoes on Each Side**

<table>
<thead>
<tr>
<th>Upper rollers</th>
<th>Lower rollers</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>4</td>
</tr>
</tbody>
</table>

- **Track shoes**: 46 : ZX200-ccZQ210H-ccZQ210K-sq
- **Track guard**: 2 : ZX210H-ccZQ210LCH-sq

- **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 | Low |
    |------|-----|
    | 0 to 5.5 km/h | 0 to 3.5 km/h |

- **Maximum traction force**: 203 kN (20,700 kgf)

- **Gradability**: 70% (35 degrees) continuous

### SERVICE REFILL CAPACITIES

- **Fuel tank**: 580 mm
- **Pilot pumps**: 2100 L
- **Maximum oil flow**: 6.2 L
- **Travel device (each side)**: 6.8 L
- **Hydraulic system**

  - **Hydraulic oil tank**: 240.0 L
  - **Max. oil pressure**: 38.0 MPa (388 kgf/cm²)

### WEIGHTS AND GROUND PRESSURE

#### Operating weight and Ground pressure

<table>
<thead>
<tr>
<th>Show type</th>
<th>Show width</th>
<th>Arm length</th>
<th>kg</th>
<th>kPa(kgf/cm²)</th>
<th>kg</th>
<th>kPa(kgf/cm²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Triple grousner</td>
<td>600 mm</td>
<td>2.42 m</td>
<td>19700</td>
<td>44 (0.45)</td>
<td>20300</td>
<td>42 (0.43)</td>
</tr>
<tr>
<td>700 mm</td>
<td>2.42 m</td>
<td>19800</td>
<td>44 (0.45)</td>
<td>20400</td>
<td>42 (0.43)</td>
<td></td>
</tr>
<tr>
<td>800 mm</td>
<td>2.42 m</td>
<td>20300</td>
<td>34 (0.35)</td>
<td>21000</td>
<td>32 (0.33)</td>
<td></td>
</tr>
<tr>
<td>Reinforced Triple grousner</td>
<td>600 mm</td>
<td>2.42 m</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>700 mm</td>
<td>2.42 m</td>
<td>20300</td>
<td>34 (0.35)</td>
<td>21000</td>
<td>32 (0.33)</td>
<td></td>
</tr>
<tr>
<td>800 mm</td>
<td>2.42 m</td>
<td>20800</td>
<td>36 (0.37)</td>
<td>21400</td>
<td>34 (0.35)</td>
<td></td>
</tr>
<tr>
<td>Flat</td>
<td>600 mm</td>
<td>2.42 m</td>
<td>20300</td>
<td>44 (0.45)</td>
<td>21000</td>
<td>44 (0.44)</td>
</tr>
<tr>
<td>Pad crawler</td>
<td>600 mm</td>
<td>2.42 m</td>
<td>20200</td>
<td>45 (0.46)</td>
<td>21100</td>
<td>43 (0.43)</td>
</tr>
</tbody>
</table>

#### Numbers

- **Trxcked**: ZX200
- **Series**: 5G
- **Model**

  - ZX10H-5G
  - ZX10K-5G
  - ZX00K-5G
  - ZX00LCH-5G

### UPPERSTRUCTURE

- **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**: 13.5 min⁻¹ (rpm)
  - **Swing torque**: 68 kNm (600 kgf.m)

### Operator’s Cab

- **Independent spacious cab**: 1,005 mm wide by 1,675 mm high, conforming to ISO standards.

* International Organization for Standardization
## SPECIFICATIONS

### 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>Component</th>
<th>ZX00-5G</th>
<th>ZX00LC-5G</th>
<th>ZX10H-5G</th>
<th>ZX10LCH-5G</th>
<th>ZX10K-5G</th>
<th>ZX10LCK-5G</th>
</tr>
</thead>
<tbody>
<tr>
<td>Counterweight</td>
<td>4 200 kg</td>
<td>4 600 kg</td>
<td>4 600 kg</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boom (with boom and arm cylinder)</td>
<td>2 180 kg</td>
<td>2 280 kg</td>
<td>2 230 kg</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.42 m arm (with bucket cylinder)</td>
<td>850 kg</td>
<td>—</td>
<td>—</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.91 m arm (with bucket cylinder)</td>
<td>930 kg</td>
<td>1 120 kg</td>
<td>1 140 kg</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.80 m³ bucket</td>
<td>660 kg</td>
<td>760 kg</td>
<td>750 kg</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### BACKHOE ATTACHMENTS

Boom and arms are of welded, box-section design. 5.68 m boom, and 2.42 m and 2.91 m arms are available. Bucket is of welded steel structure. Side clearance adjust mechanism provided on the bucket joint bracket.

#### Buckets

<table>
<thead>
<tr>
<th>Capacity</th>
<th>ISO heaped</th>
<th>Without side cutters</th>
<th>With side cutters</th>
<th>No. Of teeth</th>
<th>Weight</th>
<th>Recommendation</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.51 m³</td>
<td>720 mm</td>
<td>800 mm</td>
<td></td>
<td>6</td>
<td>530 kg</td>
<td>![ ]</td>
</tr>
<tr>
<td>0.80 m³</td>
<td>1 040 mm</td>
<td>1 140 mm</td>
<td></td>
<td>5</td>
<td>860 kg</td>
<td>![ ]</td>
</tr>
<tr>
<td>1.10 m³</td>
<td>1 320 mm</td>
<td>1 440 mm</td>
<td></td>
<td>5</td>
<td>720 kg</td>
<td>![ ]</td>
</tr>
<tr>
<td>1.20 m³</td>
<td>1 450 mm</td>
<td>—</td>
<td></td>
<td>5</td>
<td>890 kg</td>
<td>![ ]</td>
</tr>
<tr>
<td>0.80 m³</td>
<td>1 040 mm</td>
<td>1 140 mm</td>
<td></td>
<td>5</td>
<td>860 kg</td>
<td>![ ]</td>
</tr>
<tr>
<td>0.91 m³</td>
<td>1 150 mm</td>
<td>1 260 mm</td>
<td></td>
<td>5</td>
<td>900 kg</td>
<td>![ ]</td>
</tr>
<tr>
<td>1.30 m³</td>
<td>1 680 mm</td>
<td>1 840 mm</td>
<td></td>
<td>5</td>
<td>980 kg</td>
<td>![ ]</td>
</tr>
<tr>
<td>1.40 m³</td>
<td>1 800 mm</td>
<td>1 960 mm</td>
<td></td>
<td>5</td>
<td>1 000 kg</td>
<td>![ ]</td>
</tr>
<tr>
<td>0.80 m³</td>
<td>1 040 mm</td>
<td>1 140 mm</td>
<td></td>
<td>5</td>
<td>860 kg</td>
<td>![ ]</td>
</tr>
<tr>
<td>0.80 m³</td>
<td>1 040 mm</td>
<td>1 140 mm</td>
<td></td>
<td>5</td>
<td>860 kg</td>
<td>![ ]</td>
</tr>
<tr>
<td>0.80 m³</td>
<td>1 040 mm</td>
<td>1 140 mm</td>
<td></td>
<td>5</td>
<td>860 kg</td>
<td>![ ]</td>
</tr>
</tbody>
</table>

**Note:**
- *1* H-bucket: Suitable for materials with density of 2 000 kg/m³ or less
- *2* Reinforced bucket: Suitable for materials with density of 1 600 kg/m³ or less
- *3* Heavy-duty service
- *4* Super V teeth type bucket: Suitable for materials with density of 1 100 kg/m³ or less
- *5* Ripper bucket: Not applicable

### BUCKET AND ARM DIGGING FORCES

<table>
<thead>
<tr>
<th>Arm length</th>
<th>2.42 m</th>
<th>2.91 m</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bucket digging force</td>
<td>125 kN (12 200 kgf)</td>
<td>125 kN (12 200 kgf)</td>
</tr>
<tr>
<td>Bucket digging force SAE, PCSA</td>
<td>141 kN (14 400 kgf)</td>
<td>141 kN (14 400 kgf)</td>
</tr>
<tr>
<td>Arm crowd force</td>
<td>140 kN (14 200 kgf)</td>
<td>114 kN (11 600 kgf)</td>
</tr>
<tr>
<td>Arm crowd force SAE, PCSA</td>
<td>133 kN (13 600 kgf)</td>
<td>110 kN (11 200 kgf)</td>
</tr>
</tbody>
</table>

* All power boost
**SPECIFICATIONS**

### WORKING RANGES

- **A** Distance between tumblers
- **B** Undercarriage length
- **C** Counterweight clearance
- **D** Rear-end swing radius
- **D’** Rear-end length
- **E** Overall width of upperstructure
- **F** Overall height of cab
- **F’** Overall height of upperstructure
- **G** Min. ground clearance
- **H** Track gauge
- **I** Track shoe width
- **J** Undercarriage width
- **K** Overall length
- **L** Track height with triple grouser shoes

### DIMENSIONS

<table>
<thead>
<tr>
<th>Unit: mm</th>
<th>ZX100-5G</th>
<th>ZX100LC-5G</th>
<th>ZX101SH-5G</th>
<th>ZX101SHCR-5G</th>
<th>ZX101K-5G</th>
<th>ZX101LCR-5G</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>3 370</td>
<td>3 680</td>
<td>3 370</td>
<td>3 680</td>
<td>3 370</td>
<td>3 680</td>
</tr>
<tr>
<td>B</td>
<td>4 170</td>
<td>4 470</td>
<td>4 170</td>
<td>4 470</td>
<td>4 170</td>
<td>4 470</td>
</tr>
<tr>
<td>C</td>
<td>1 030</td>
<td>1 030</td>
<td>1 030</td>
<td>1 030</td>
<td>1 030</td>
<td>1 030</td>
</tr>
<tr>
<td>D</td>
<td>2 890</td>
<td>2 890</td>
<td>2 890</td>
<td>2 890</td>
<td>2 890</td>
<td>2 890</td>
</tr>
<tr>
<td>D’</td>
<td>2 890</td>
<td>2 890</td>
<td>2 890</td>
<td>2 890</td>
<td>2 890</td>
<td>2 890</td>
</tr>
<tr>
<td>E</td>
<td>2 710</td>
<td>2 710</td>
<td>2 710</td>
<td>2 710</td>
<td>2 710</td>
<td>2 710</td>
</tr>
<tr>
<td>F</td>
<td>2 950</td>
<td>2 950</td>
<td>2 950</td>
<td>2 950</td>
<td>2 950</td>
<td>2 950</td>
</tr>
<tr>
<td>F’</td>
<td>3 010</td>
<td>3 010</td>
<td>3 010</td>
<td>3 010</td>
<td>3 010</td>
<td>3 010</td>
</tr>
<tr>
<td>G</td>
<td>450</td>
<td>450</td>
<td>450</td>
<td>450</td>
<td>450</td>
<td>450</td>
</tr>
<tr>
<td>H</td>
<td>2 200</td>
<td>2 390</td>
<td>2 200</td>
<td>2 390</td>
<td>2 200</td>
<td>2 390</td>
</tr>
<tr>
<td>I</td>
<td>G 600</td>
<td>G 600</td>
<td>G 600</td>
<td>G 600</td>
<td>G 600</td>
<td>G 600</td>
</tr>
<tr>
<td>J</td>
<td>2 800</td>
<td>2 990</td>
<td>2 800</td>
<td>2 990</td>
<td>2 800</td>
<td>2 990</td>
</tr>
<tr>
<td>K</td>
<td>2 890</td>
<td>2 890</td>
<td>2 890</td>
<td>2 890</td>
<td>2 890</td>
<td>2 890</td>
</tr>
<tr>
<td>L</td>
<td>920</td>
<td>920</td>
<td>920</td>
<td>920</td>
<td>920</td>
<td>920</td>
</tr>
<tr>
<td>M</td>
<td>9 750</td>
<td>9 750</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>N</td>
<td>9 680</td>
<td>9 680</td>
<td>9 680</td>
<td>9 680</td>
<td>9 680</td>
<td>9 680</td>
</tr>
<tr>
<td>O</td>
<td>5 180</td>
<td>5 180</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>P</td>
<td>2 940</td>
<td>2 940</td>
<td>2 940</td>
<td>2 940</td>
<td>2 940</td>
<td>2 940</td>
</tr>
</tbody>
</table>

- Excluding track shoe lug
- G: Triple grouser shoe

**Arm length:**
- A: Max. digging reach
- A’: Max. digging reach (on ground)
- B: Max. digging depth
- B’: Max. digging depth for 2.5 m level
- C: Max. cutting height
- D: Max. dumping height
- D’: Min. dumping height
- D”: Min. swing radius
- E: Max. vertical wall digging depth

<table>
<thead>
<tr>
<th>Arm length</th>
<th>2.42 m</th>
<th>2.81 m</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>9 430</td>
<td>9 920</td>
</tr>
<tr>
<td>A’</td>
<td>9 250</td>
<td>9 750</td>
</tr>
<tr>
<td>B</td>
<td>6 180</td>
<td>6 670</td>
</tr>
<tr>
<td>B’</td>
<td>5 950</td>
<td>6 460</td>
</tr>
<tr>
<td>C</td>
<td>9 670</td>
<td>10 040</td>
</tr>
<tr>
<td>D</td>
<td>6 830</td>
<td>7 180</td>
</tr>
<tr>
<td>D’</td>
<td>3 200</td>
<td>2 850</td>
</tr>
<tr>
<td>D”</td>
<td>3 280</td>
<td>3 180</td>
</tr>
<tr>
<td>E</td>
<td>5 300</td>
<td>5 950</td>
</tr>
</tbody>
</table>

*Excluding track shoe lug*
### LIFTING CAPACITIES (Without Bucket)

**ZX200LC-5G**

<table>
<thead>
<tr>
<th>Conditions</th>
<th>Load point height</th>
<th>Load radius m</th>
<th>Rating over-front</th>
<th>Rating over-side or 360 degrees</th>
<th>Unit: kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boom 5.85 m</td>
<td>4.0 m</td>
<td>6.28</td>
<td>4.69</td>
<td>3.130</td>
<td>7.46</td>
</tr>
<tr>
<td>Arm 2.42 m</td>
<td>-4.5</td>
<td>7.58</td>
<td>4.45</td>
<td>6.72</td>
<td>2.83</td>
</tr>
<tr>
<td>Counterweight 4.320 kg</td>
<td>-5.0</td>
<td>8.97</td>
<td>4.30</td>
<td>5.030</td>
<td>3.32</td>
</tr>
<tr>
<td>Shoe 600 mm</td>
<td>-1.5</td>
<td>10.30</td>
<td>4.10</td>
<td>6.400</td>
<td>3.70</td>
</tr>
<tr>
<td>Shoe 600 mm</td>
<td>-3.0</td>
<td>11.90</td>
<td>4.10</td>
<td>6.400</td>
<td>5.30</td>
</tr>
<tr>
<td>Shoe 600 mm</td>
<td>-4.5</td>
<td>13.50</td>
<td>4.10</td>
<td>6.400</td>
<td>7.00</td>
</tr>
</tbody>
</table>

**ZX210LC-5G**

<table>
<thead>
<tr>
<th>Conditions</th>
<th>Load point height</th>
<th>Load radius m</th>
<th>Rating over-front</th>
<th>Rating over-side or 360 degrees</th>
<th>Unit: kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>H-Boom 5.85 m</td>
<td>4.0 m</td>
<td>6.28</td>
<td>4.69</td>
<td>3.130</td>
<td>7.46</td>
</tr>
<tr>
<td>H-Arm 2.91 m</td>
<td>-4.5</td>
<td>7.58</td>
<td>4.45</td>
<td>6.72</td>
<td>2.83</td>
</tr>
<tr>
<td>Counterweight 4.600 kg</td>
<td>-5.0</td>
<td>8.97</td>
<td>4.30</td>
<td>5.030</td>
<td>3.32</td>
</tr>
<tr>
<td>Shoe 600 mm</td>
<td>-1.5</td>
<td>10.30</td>
<td>4.10</td>
<td>6.400</td>
<td>3.70</td>
</tr>
<tr>
<td>Shoe 600 mm</td>
<td>-3.0</td>
<td>11.90</td>
<td>4.10</td>
<td>6.400</td>
<td>5.30</td>
</tr>
<tr>
<td>Shoe 600 mm</td>
<td>-4.5</td>
<td>13.50</td>
<td>4.10</td>
<td>6.400</td>
<td>7.00</td>
</tr>
</tbody>
</table>

### Notes:
1. Ratings are based on ISO 10567.
2. For lifting capacities, subtract bucket and quick hitch weight from lifting capacities without bucket.
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.
Optional equipment

- Reinforced bucket
- K-arm
- K-boom

Work mode selector
- One extra port for control valve

ECU/PM controller
- Engine warm-up device
- Pre-cleaner
- Dust-Proof indoor net

50 A alternator
- Radiator reserve tank
- Dust-Proof indoor net

- Dry type air filter with evacuation valve (with air filter restriction indicator)

- Dual wiper
- Short wrist control levers
- Slide armrest, height and angle
- Seat adjustment part : backrest, heater
- Seat : air suspension seat with
- Seat : mechanical suspension seat
- Seat : Fabric seat
- Seat - mechanical suspension seat
- Seat - air suspension seat with heater
- Seat adjustment part : backrest, armrest, height and angle, slide forward / back
- Short wrist control levers
- Twin wiper
- 4 flash/flip/elastic mounts
- Cigarette lighter

- 24V cigarette lighter
- 4 fluid-filled elastic mounts

- Auto control air conditioner
- Fuel level float
- Electric fuel refilling pump
- Fuel level float

- 32 languages selection

- Alarm buzzer: overload, engine oil pressure, overheat
- Display of meters: water temperature, hour, fuel rate, etc
- Other displays: work mode, auto-idle, glow, alarms: overload
- Alarm buzzers: overheat, engine oil pressure, minimum overheat, engine warning, engine shut-off lever, etc

- 4 pump combined flow for attachment basic piping

- Monitor system
- Alarm buzzer: overload, engine oil pressure, overheat
- Displays: water temperature, hour, fuel rate, etc
- Other displays: work mode, auto-idle, glow, alarms: overload
- Alarm buzzers: overheat, engine oil pressure, minimum overheat, engine warning, engine shut-off lever, etc

- Undercarrige
- Travel parking brake
- 3 beam guard
- 4 tie down hooks
- 400 mm triple grouser shoes

- Standards tool kit
- Travel direction mark on track frame
- Global e-Service
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.

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

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.