HYDRAULIC EXCAVATOR

Model Code: ZX160LC-5G
Engine Rated Power: 90.2 kW (121 HP)
Operating Weight: 16,600 - 17,700 kg
Backhoe Bucket: ISO Heaped: 0.60 - 0.82 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
- 4% reduction in fuel consumption
- More fuel reduction in the ECO mode
- Swift front movements with HIOS III hydraulics
- Powerful lifting operation
- Enhanced power boost

More Production with Less Fuel
- Prestige R&D and quality control
- Durable, reliable engine
- Rock-solid, durable front attachment
- Strengthened undercarriage
- Proven upperstructure

No Compromise on Operator Comfort
- Comfortable operating environment
- Comfort-designed operator seat
- Robust cab
- New, easy-to-use multifunctional monitor

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

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

Pursuits of Performance and Durability
- 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

4% Reduction in Fuel Consumption

New ZAXIS is a fuel-thrifty excavator that can reduce fuel consumption by 4%, compared to the conventional ZX160-3 family, thanks to the HIOS III hydraulic system and engine control system, thereby reducing CO2 emissions.

*32%, compared to the ZX200 / ZX200-3G.

More Fuel Reduction in the ECO mode

The ECO mode, a new economical mode, gives high productivity with less fuel and can cut fuel consumption by 16% compared to the PWR mode.

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.

Enhanced Power Boost

The Power Boost mode allows the operator to surge 10% more digging force for powerful excavation by pressing its button on the control lever.
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 hm²) 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 cooling fan is improved to cool the engine more efficiently.
The ample-capacity intercooler and turbocharger help yield a whopping 90.2 kW (121 HP) output for higher production in shorter job schedule.

Rock-Solid, Durable Front Attachment
The boom top and boom foot brackets frame side are reinforced with thickened high-tensile steel, 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, provided at front attachment joints, helps reduce wearing noise.

Strengthened Undercarriage
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.

Proven Upperstructure
The upperstructure frame is reinforced with the proven D-section skirt to increase rigidity against damage by obstacles.
The door catch is improved to shut the door tightly, reducing door rattling.

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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: coolant 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. The air suspension seat 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.

No Compromise on Operator Comfort

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Simplified Maintenance

Dust-Proof Net

A dust-proof net, provided at the front of radiator, can be easily removed and cleaned with compressed air.

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.

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.

Low Life Cycle Costs

Service intervals are long enough to slash maintenance costs.

<table>
<thead>
<tr>
<th>Lubricant</th>
<th>Consumables</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine Oil: 500 h</td>
<td>Engine Oil Filter: 500 h</td>
</tr>
<tr>
<td>Hydraulic Oil: 5000 h</td>
<td>Hydraulic Oil Filter: 1000 h</td>
</tr>
<tr>
<td>Fuel Filter: 500 h</td>
<td></td>
</tr>
</tbody>
</table>

Note: Periodic inspection is required to check oil contamination and such.
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 are available and are recommended for using breaker frequently.

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.

Recommended Options
- Attachment basic piping
- Rear view camera
- Electric fuel refilling pump
- Additional cab roof headlights
- Lower cab front guard
- Pre-Cleaner
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 a 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 trailers 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.

Note: In Some Regions, Global e-Service Is Not Available by Local Regulations.
**SPECIFICATIONS**

**ENGINE**
- Model: Isuzu AA-4BG1T
- Type: 4-cycle water-cooled, direct injection
- Aspiration: Turbocharged, intercooled
- No. of cylinders: 4
- Rated power:
  - ISO 9249, net: 90.2 kW (121 HP) at 2,200 min⁻¹ (rpm)
  - SAE J1349, net: 90.2 kW (121 HP) at 2,200 min⁻¹ (rpm)
- Maximum torque:
  - 458 Nm (46.7 kgfm) at 1,800 min⁻¹ (rpm)
- Piston displacement: 4.329 L
- Bore and stroke: 105 mm x 125 mm

**HYDRAULIC SYSTEM**
- **Hydraulic Pumps**
  - Main pumps: 2 variable displacement axial piston pumps
  - Maximum oil flow: 2 x 191 L/min
  - Pilot pump: 1 gear pump
  - Maximum oil flow: 33.6 L/min
- **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: 29.3 MPa (299 kgf/cm²)
  - Travel circuit: 34.3 MPa (350 kgf/cm²)
  - Pilot circuit: 3.9 MPa (40 kgf/cm²)
  - Power boost: 38.0 MPa (388 kgf/cm²)
- **Hydraulic Cylinders**
  - Boom: 2 x 110 mm x 80 mm
  - Arm: 1 x 120 mm x 90 mm
  - Bucket: 1 x 105 mm x 75 mm

**UNDERCARRIAGE**
- **Tracks**
- **Numbers of Rollers and Shoes on Each Side**
  - Upper rollers: 2
  - Lower rollers: 7
  - Track shoes: 43
  - Track guard: 1
- **Travel Device**
  - Each track driven by 2-speed axial piston motor.
  - Parking brake is spring-set/hydraulic-released disc type.
  - Maximum traction force: 169 kN (17,300 kgf)
- **Gradiability**: 70% (35 degrees) continuous

**SERVICE REFILL CAPACITIES**
- **Fuel Tank**: 320.0 L
- **Engine coolant**: 19.2 L
- **Engine oil**: 15.8 L
- **Swing device**: 6.8 L
- **Hydraulic system**: 210.0 L
- **Hydraulic oil tank**: 125.0 L

**WEIGHTS AND GROUND PRESSURE**
- **Operating weight and Ground pressure**
  - **ZX160LC-5G**
    - 500 mm: 16,800 kg (48.4 kPa)
    - 600 mm: 16,800 kg (40.4 kPa)
    - 700 mm: 16,700 kg (41.0 kPa)
- **Shoe type**
  - Triple grouser
    - 500 mm: 16,600 kg (48.0 kPa)
    - 600 mm: 16,500 kg (40.4 kPa)
    - 700 mm: 16,700 kg (41.0 kPa)
- **Flat**
  - 500 mm: 17,800 kg (42.4 kPa)
  - 600 mm: 17,600 kg (43.4 kPa)
  - 700 mm: 17,700 kg (42.4 kPa)

**WEIGHT: BASIC MACHINE and COMPONENTS**
- **ZX160LC-5G**
  - **Component weights**
    - **Counterweight**: 3,200 kg
    - **Boom (with boom and arm cylinder)**: 1,620 kg
    - **2.22 m arm (with bucket cylinder)**: 770 kg
    - **2.58 m arm (with bucket cylinder)**: 800 kg
    - **3.08 m arm (with bucket cylinder)**: 870 kg
    - **0.60 m³ bucket**: 500 kg

**UPPERSTRUCTURE**
- **Revolving Frame**
  - D-section frame skirt for resistance to deformation.
- **Swing Device**
  - Swash plate 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.
  - Automatic transmission system: High-Low.
  - Travel speeds:
    - High: 0 to 5.3 km/h
    - Low: 0 to 3.4 km/h
  - Maximum traction force: 169 kN (17,300 kgf)
  - Gradiability: 70% (35 degrees) continuous
- **Operator’s Cab**
  - Independent spacious cab, 1,005 mm wide by 1,675 mm high, conforming to ISO Standards.
  - * International Organization for Standardization
### BUCKET AND ARM DIGGING FORCES

<table>
<thead>
<tr>
<th>Arm length</th>
<th>2.22 m</th>
<th>2.58 m</th>
<th>3.08 m</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bucket digging force* ISO</td>
<td>112 kN (11 400 kgf)</td>
<td>112 kN (11 400 kgf)</td>
<td>112 kN (11 400 kgf)</td>
</tr>
<tr>
<td>Bucket digging force* SAE / PCSA</td>
<td>99 kN (10 100 kgf)</td>
<td>99 kN (10 100 kgf)</td>
<td>99 kN (10 100 kgf)</td>
</tr>
<tr>
<td>Arm crown force* ISO</td>
<td>115 kN (11 700 kgf)</td>
<td>91 kN (9 300 kgf)</td>
<td>81 kN (8 300 kgf)</td>
</tr>
<tr>
<td>Arm crown force* SAE / PCSA</td>
<td>110 kN (11 200 kgf)</td>
<td>88 kN (9 000 kgf)</td>
<td>78 kN (8 000 kgf)</td>
</tr>
</tbody>
</table>

* All power boost

### BACKHOE ATTACHMENTS

Boom and arms are of welded, box-section design. 5.10 m boom, and 2.22 m, 2.58 m and 3.08 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>Width</th>
<th>No. Of Teeth</th>
<th>Weight</th>
<th>Recommendation</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISO heaped</td>
<td></td>
<td></td>
<td></td>
<td>ZK165LC-CC</td>
</tr>
<tr>
<td>Without side cutters</td>
<td>With side cutters</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.60 m³</td>
<td>0.60 m³</td>
<td>0.60 m³</td>
<td>0.60 m³</td>
<td>0.60 m³</td>
</tr>
<tr>
<td>0.70 m³</td>
<td>0.70 m³</td>
<td>0.70 m³</td>
<td>0.70 m³</td>
<td>0.70 m³</td>
</tr>
<tr>
<td>0.82 m³</td>
<td>0.82 m³</td>
<td>0.82 m³</td>
<td>0.82 m³</td>
<td>0.82 m³</td>
</tr>
<tr>
<td>One-point ripper</td>
<td>One-point ripper</td>
<td>One-point ripper</td>
<td>One-point ripper</td>
<td>One-point ripper</td>
</tr>
<tr>
<td>Slope-finishing blade</td>
<td>Slope-finishing blade</td>
<td>Slope-finishing blade</td>
<td>Slope-finishing blade</td>
<td>Slope-finishing blade</td>
</tr>
<tr>
<td>V shape bucket</td>
<td>V shape bucket</td>
<td>V shape bucket</td>
<td>V shape bucket</td>
<td>V shape bucket</td>
</tr>
</tbody>
</table>

**1** Reinforced bucket

**2** Applicable 700 mm shoe only

- Suitable for materials with density of 2 000 kg/m³ or less
- Suitable for materials with density of 1 600 kg/m³ or less
- Suitable for materials with density of 1 100 kg/m³ or less
- Heavy-duty service
- Slope-finishing service

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### WORKING RANGES

**Ground Line**

<table>
<thead>
<tr>
<th>Unit: mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arm length</td>
</tr>
<tr>
<td>A: Max. digging reach</td>
</tr>
<tr>
<td>B: Max. digging depth</td>
</tr>
<tr>
<td>C: Max. cutting height</td>
</tr>
<tr>
<td>D: Max. dumping height</td>
</tr>
<tr>
<td>E: Min. swing radius</td>
</tr>
<tr>
<td>F: Max. vertical wall digging depth</td>
</tr>
</tbody>
</table>

Excluding track shoe lug
### DIMENSIONS

**ZX160LC-5G**

- **A** Distance between tumblers: 3,100 mm
- **B** Undercarriage length: 3,920 mm
- **C** Counterweight clearance: 1,030 mm
- **D** Rear-end swing radius: 2,550 mm
- **D’** Rear-end length: 2,530 mm
- **E** Overall width of upperstructure: 2,480 mm
- **F** Overall height of upperstructure: 3,010 mm
- **G** Min. ground clearance: 470 mm
- **H** Track gauge: 1,990 mm
- **I** Track shoe width: 500 mm
- **J** Undercarriage width: 2,490 mm
- **K** Overall width: 2,500 mm
- **L** Track height with triple grouser shoes: 920 mm
- **M** Overall length:
  - With 2.22 m arm: 8,720 mm
  - With 2.58 m arm: 8,620 mm
- **N** Overall height of boom:
  - With 2.22 m arm: 3,780 mm
  - With 2.58 m arm: 3,750 mm
- **O** With 3.08 m arm: 3,100 mm

* Excluding track shoe kg

### LIFTING CAPACITIES (Without Bucket)

**ZX160LC-5G**

<table>
<thead>
<tr>
<th>Conditions</th>
<th>Load point height m</th>
<th>Load radius meter</th>
<th>Rating over-front kg</th>
<th>Rating over-side or 360 degrees kg</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Boom 5.10 m</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arm 2.22 m counterweight</td>
<td>6.0</td>
<td>3.300</td>
<td>3.150</td>
<td>6.05</td>
</tr>
<tr>
<td>3.250 kg shoe 500 mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.5</td>
<td></td>
<td>4.980</td>
<td>4.650</td>
<td>6.61</td>
</tr>
<tr>
<td>1.5</td>
<td></td>
<td>7.160</td>
<td>6.950</td>
<td>7.08</td>
</tr>
<tr>
<td>0 (Ground)</td>
<td></td>
<td>6.950</td>
<td>2.010</td>
<td>8.47</td>
</tr>
<tr>
<td>-1.5</td>
<td></td>
<td>11.720</td>
<td>4.250</td>
<td>6.30</td>
</tr>
<tr>
<td>-3.0</td>
<td></td>
<td>12.480</td>
<td>4.340</td>
<td>6.25</td>
</tr>
<tr>
<td><strong>Boom 5.10 m</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arm 2.58 m counterweight</td>
<td>6.0</td>
<td>3.300</td>
<td>3.150</td>
<td>6.05</td>
</tr>
<tr>
<td>3.250 kg shoe 500 mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.5</td>
<td></td>
<td>4.960</td>
<td>4.290</td>
<td>6.89</td>
</tr>
<tr>
<td>1.5</td>
<td></td>
<td>7.140</td>
<td>4.830</td>
<td>7.83</td>
</tr>
<tr>
<td>0 (Ground)</td>
<td></td>
<td>6.270</td>
<td>2.900</td>
<td>6.92</td>
</tr>
<tr>
<td>-1.5</td>
<td></td>
<td>10.270</td>
<td>4.380</td>
<td>6.40</td>
</tr>
<tr>
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<td></td>
<td>10.310</td>
<td>3.140</td>
<td>6.62</td>
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<tr>
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<td></td>
<td>10.310</td>
<td>3.140</td>
<td>6.52</td>
</tr>
<tr>
<td><strong>Boom 5.10 m</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arm 3.08 m counterweight</td>
<td>6.0</td>
<td>3.280</td>
<td>3.020</td>
<td>6.72</td>
</tr>
<tr>
<td>3.250 kg shoe 500 mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.5</td>
<td></td>
<td>4.860</td>
<td>4.170</td>
<td>7.79</td>
</tr>
<tr>
<td>1.5</td>
<td></td>
<td>7.770</td>
<td>4.680</td>
<td>8.89</td>
</tr>
<tr>
<td>0 (Ground)</td>
<td></td>
<td>6.960</td>
<td>3.010</td>
<td>8.99</td>
</tr>
<tr>
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</table>

### SPECIFICATIONS

**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.

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**ZX160LC-5G**

<table>
<thead>
<tr>
<th>Conditions</th>
<th>Load point height m</th>
<th>Load radius meter</th>
<th>Rating over-front kg</th>
<th>Rating over-side or 360 degrees kg</th>
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<tr>
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### EQUIPMENT

**ENGINE**
- Air cleaner double filters
- Auto idle system
- Cartridge-type engine oil filter
- Cartridge-type fuel pre-filter
- Cartridge-type fuel main filter
- Dry-type air filter with evacuator valve (with air filter restriction indicator)
- ECO/PWR mode control
- Engine warm-up device
- Fan guard
- Water separator
- Pre-cleaner
- Dust-proof indoor net
- Radiator reserve tank
- 50 A alternator

**MONITOR SYSTEM**
- Alarm buzzer: overheat, engine oil pressure
- Alarm: overheat, engine warning, engine oil pressure, alternator, minimum fuel level, hydraulic filter restriction, air filter restriction, etc
- Display of meters: coolant temperature, hour, clock
- Other displays: work mode, auto-idle, glow, rearview monitor, operating conditions, etc
- 32 languages selection

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

**CAB**
- All-weather sound suppressed steel cab
- AM/FM radio with 2 speaker
- Ashtray
- 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
- Exhaust hammer
- Fire extinguisher bracket
- Footrest
- Front window washer
- Front windows on upper, lower and left side can be opened
- Lower cab front guard
- Upper cab front guard
- Glove compartment
- Hot & cool box
- Intervalent windshield wipers
- Key cylinder lock
- Key cylinder light
- LED room light with door courtesy
- UPR top guard level 1 (ISO10262) compliant cab
- Pilot control shut-off lever
- Rear mirror
- Retractable seat belt
- ROPS (ISO21171 - 2008) compliant cab
- Rubber ride-on guard
- 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
- 4 flange-less moulds
- Hy cigarette lighter

**UNDERCARRIAGE**
- Bolt-on sprocket
- Reinforced track links with pin seals
- Travel motor covers
- Front parking brake
- 6.0 mm reinforced track undercover
- Upper and lower roller
- 3 track guard (each side) and hydraulic track adjuster
- 4 tie down hooks
- 0.00 mm triple grouser shoes

**LIGHTS**
- Additional cab roof front lights
- Additional boom light
- 2 working lights

**UPPER STRUCTURE**
- Electric fuel refilling pump
- Fuel level float
- Hydraulic oil level gauge
- Rear view camera
- Rear view mirror (right & left side)
- Swing parking brake
- Tool box
- Undercover
- 6.0 mm reinforced undercover
- 3.00 kg counterweight
- 2 x 55 AH batteries

**FRONT ATTACHMENTS**
- Centralized lubrication system
- Dirt seal on all bucket pins
- Flanged pin
- FN bushing
- WC (tungsten-carbide) thermal spraying
- 0.60 m³ bucket (ISO heaped)
- 2.50 m arm
- 5.10 m boom

**ATTACHMENTS**
- Attachment basic piping
- Breaker and crusher piping
- High mesh full flow filter with restriction indicator
- Parts for breaker and crusher
- 2 pump combined flow for attachment basic piping

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

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The information provided above outlines the standard and optional equipment available on the ZX160LC-5G model, with some equipment highlighted in grey indicating standard equipment and some in blue indicating optional equipment. Please consult your Hitachi dealer for details on specific equipment availability, as it may vary by country.
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.

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

Our Environmental Vision envisions a low-carbon society; a resource efficient society; a harmonized society with nature. To achieve such a sustainable society, we have established a set of long-term environmental targets called Hitachi Environmental Innovation 2050.

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.