

ZAXIS-3G series

HITACHI

ZAXIS
200G



HYDRAULIC EXCAVATOR

- **Model Code** : ZX200-3G / ZX200LC-3G / ZX210H-3G / ZX210LCH-3G / ZX210K-3G / ZX210LCK-3G
- **Engine Rated Power** : 110 kW (147 HP)
- **Operating Weight** : ZX200-3G : 19 400 kg / ZX200LC-3G : 20 000 kg
ZX210H-3G : 20 600 kg / ZX210LCH-3G : 21 100 kg
ZX210K-3G : 21 400 kg / ZX210LCK-3G : 21 900 kg
- **Backhoe Bucket** : SAE, PCSA Heaped : 0.51 - 1.20 m³
CECE Heaped : 0.45 - 1.00 m³

The Robust ZAXIS-3G Series. The Dependable Partner on Tough Job Sites

The new ZAXIS-3G series comes with extra rugged and reliable features and uses the time-tested engine and hydraulic equipment. The result is more production with less downtime.

■ Boosted Production

- High (110 kW) output and fuel-efficient engine
- Powerful (151 kN) bucket digging force
- Strong (203 kN) traction force

■ Enhanced Reliability and Durability

- Time-tested Isuzu engine AA-6BG1T
- Strengthened X-beam (with 35% more strength (vs. conventional ZAXIS-1))
- Strengthened upper rollers and idler brackets on a track

■ Comfortable Operator Environment

- CRES cab with higher safety and less vibration
- Full-auto air conditioner

■ Reduced Maintenance Costs

- Conveniently located servicing points
- Using long-life components helps extend servicing intervals

■ Emissions Control Engine

- Conforms to U.S. EPA Tier 2 and EU Stage II emission regulations



Notes : Machines pictured on this brochure are positioned for the sake of demonstration.
Please take proper safety measures, i.e., resting the bucket on the ground when leaving the machine.

In Pursuit of Awesome Power and Production

By the best matching of powerful digging force and quick loading speed, the ZAXIS 200G yields high production.



High-Powered, Fuel-Efficient Engine

110 kW (147 HP)

With four suction/exhaust valves, central combustion chamber and large turbocharger with intercooler, the engine delivers big power. What's more, the HIOS hydraulic system, designed for optimal hydraulic energy control responding to engine speed, saves fuel consumption.



Maximum Bucket Digging Force

151 kN (15 400 kgf)*

*At power boost

Maximum Arm Crowd Force

109 kN (11 100 kgf)*

Big digging power is available for powerful excavation through the high-powered engine and HIOS hydraulic system. In short, the effective use of big engine output and optimal hydraulic pressure is made for high production.

*At power boost

Quick Swing Speed

13.3 min⁻¹ (rpm)

Quick swing speed allows for efficient loading onto a dump truck.

Maximum Traction Force

203 kN (20 700 kgf)

Strong traction force allows for easy steering on rough terrains and powerful slope climbing.



*Attachment in photo is optional.

Hydraulic Pressure Control

The **auto power lift** automatically boosts hydraulic pressure as needed – when the load exceeds the specified level during boom raising – to achieve efficient loading.

What's more, the **arm regenerative system** works when the arm is retracted during swinging for next excavation, thus increasing arm retracting speed. These mechanisms enable efficient dumping on dump trucks.

Power Mode Selector

The three power modes are selectable according to job needs for optimum control of engine speed and hydraulic pressure.



H/P (High Power) Mode

Select the H/P mode to increase engine speed and engine output, especially when more power is needed during arm retracting in deep excavation.

P (Power) Mode

Select the P mode for general excavation.

E (Economy) Mode

Select the E mode to save fuel by decreasing engine speed, while maintaining digging force in the P mode.

Engine Speed Control

The **auto acceleration (A/A)** mode can automatically control engine speed according to control lever stroke to reduce fuel consumption greatly in light-duty operations, such as grading and finishing.

Furthermore, in the auto acceleration mode, the **auto idle (A/I)** decreases engine speed to save fuel consumption, when waiting a dump truck to arrive, with the control lever in neutral.



Robust Construction with High Reliability

The front attachment and undercarriage are strengthened for heavy-duty excavation. The time-tested engine helps get the job done on tough job sites.

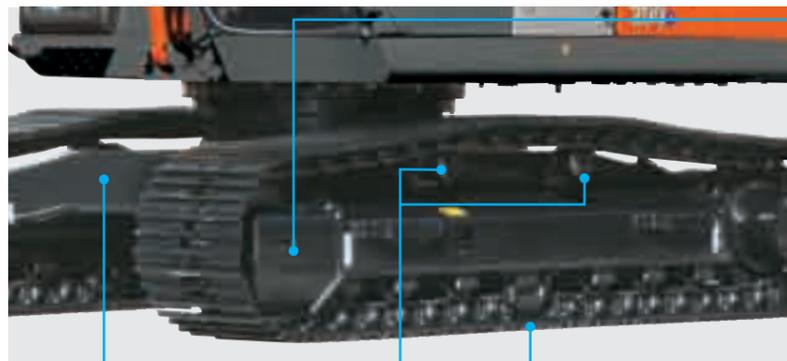
Isuzu AA-6BG1T Engine

This engine, already mounted on numerous construction equipment, has proven ruggedness and reliability in tough operations. The mechanical governor reduces downtime caused by contaminants in dusty environments.



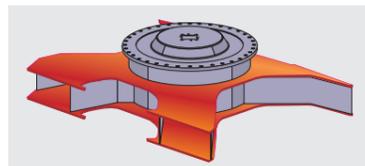
Strengthened Undercarriage

The undercarriage is strengthened for smooth travel on rugged sites, enhancing long-term reliability and durability.



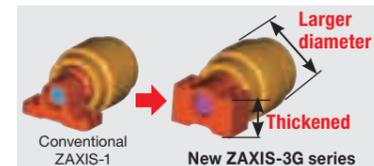
Strengthened X-Beam

The X-beam is strengthened by reshaping and enlarging the box-section structure up to 35% (vs. conventional ZAXIS-1). Top and bottom monolithic plates are curved for higher strength, reducing the number of welding points.



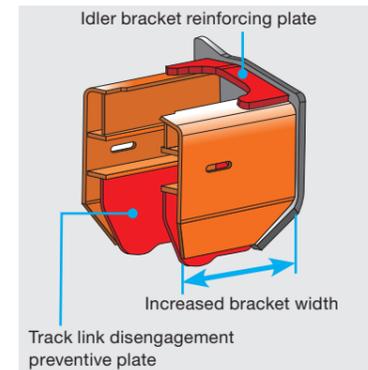
Strengthened Upper Rollers

Upper rollers are enlarged in outside diameter, and upper roller bracket is thickened for higher durability.



Improved Idler Brackets

Both the idler bracket reinforcing plate and track link disengagement preventive plate are thickened to prevent the opening of the idler bracket and increase the durability of track links and rollers.



Strengthened Shoes

The shoes are thickened to increase strength by 10% (vs. conventional ZAXIS-1).

Enhanced Front Attachment Durability

The durability of the front attachment is enhanced, using reliable boom, arm, flat bottom bucket and HN bushings.

WC Thermal Spraying

At the arm-bucket joint, its bore contact surfaces are hardened with WC (Tungsten Carbide) thermal spraying for higher wear resistance.



HN Bushings

The HN bushings, made of high-tensile sintered metal (treated by carburized quenching), can retain more grease for better lubrication and higher durability.



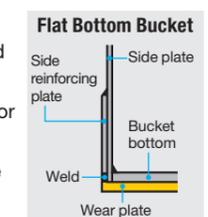
Reinforced Resin Thrust Plates

Provided at front joints to help reduce jerking and noise.



0.80 m³ Flat Bottom Bucket

The flat bottom bucket is designed to protect welds with a wear plate for smoother grading and longer service life.



Relentless about Operator Comfort

Functionality and amenities are there in the ZAXIS 200G cab, reducing operator's burden and fatigue. Work comfortable.



The comfort-designed cloth-covered seat is fitted with a headrest and armrests. The seat can be finely reclined and slid to suit each operator build for comfortable positioning. This allows long-hour operation with less fatigue.

The monitor panel is positioned for easy reading by the operator. The coolant temperature gauge and fuel gauge each have orange-colored needles and dials to let the operator monitor at a glance.

The LCD display, centered at the panel, indicates an hour meter and trip meter. With the work mode switch, the Excavation and Attachment modes can be selected. When the mode is switched, hydraulic pressure control is also switched for smooth operation.

The switch panel is also laid out for easy control with high reliability.

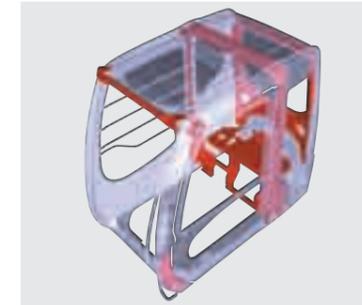
The cab, resting on the silicone-filled rubber cushions, absorbs shocks and vibration, and reduces in-cab noise.



CRES Cab

The CRES cab (with OPG* top guard level I) is reinforced with a central rigid close-section pillar, and reinforcing members. The rear frame is thickened to increase strength and rigidity.

The OPG* cab (with OPG* top guard level II) is optionally available for quarry sites to protect the operator from falling objects.



OPG* Top Guard, Level II (optional)

*Operator Protective Guards

Full-Auto Air Conditioner

A full-auto large-capacity air conditioner of fresh air introduction type is designed for automatic control of air flow and outlets to keep cab temperature at the preset level.

Bi-level air conditioning for both overhead and footspace can be selected.



Numerous Accessories for the Comfort

Improved right downward visibility



Drink holder with hot & cool function



Hot & cool box



One-touch front window lock



Large overhead window



Emergency evacuation hammer



AM/FM radio



Seat belt



Simplified Maintenance

Maintenance costs are slashed, using long-life filters and parts. Maintenance is also simplified, keeping costs down.

Using Long-Life Parts

HN bushings and WC thermal spraying help extend lubricating intervals.

Bucket and front joints
500 h



High-performance filters help extend oil change intervals.

Engine oil and engine oil filters

500 h

Hydraulic oil filter

1000 h

Hydraulic oil

5000 h



Air Cleaner Double Filters

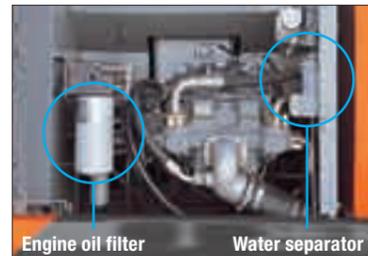


Spacious Utility Space



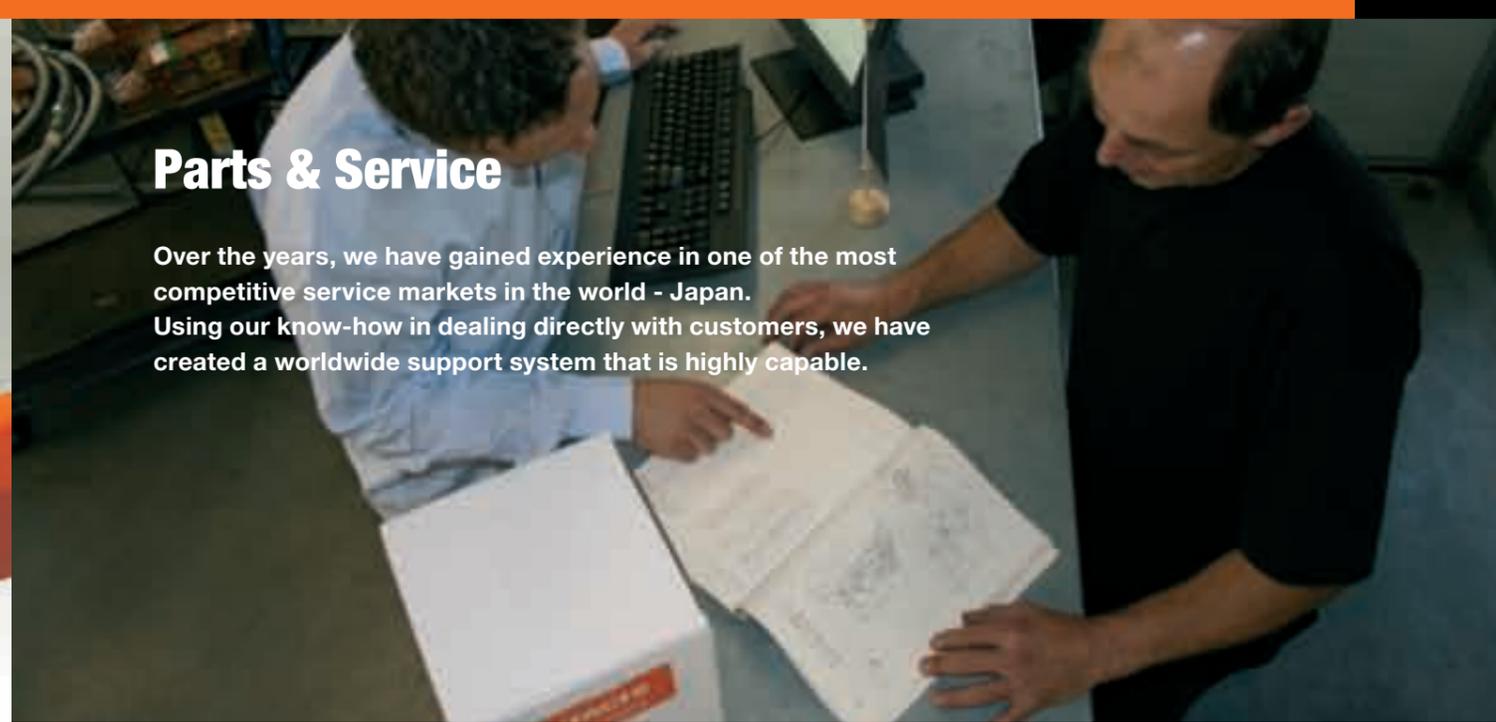
Conveniently located servicing points

Engine oil filter and water separator are easily serviced from ground level.



Parts & Service

Over the years, we have gained experience in one of the most competitive service markets in the world - Japan. Using our know-how in dealing directly with customers, we have created a worldwide support system that is highly capable.



Parts

HITACHI only offers genuine high quality parts. We guarantee that these parts have high performance and long life. We manage around 1 000 000 types of parts all around the world. They are designed and built to be the best match for your HITACHI equipment. HITACHI has a global parts distribution network that makes sure you get what you need as quickly as possible. We have more than 150 dealers worldwide who provide the closest support for your needs.

In most cases, your dealer will have the replacement part that you require. If a dealer does not have a certain part, he can order it from four fully stocked parts depots located across the world. These distribution centres are all connected by an on-line system that gives them access to shared information on stocks, such as the number and type of available parts.

The depots, which in turn are stocked by a parts center in Japan, minimize delivery time and enable you to get your parts as efficiently and quickly as possible.

Service

Our goal is to "keep customer equipment at a maximum performance level". To fulfil this goal, we have set more than 150 dealers all over the world. They have highly trained technicians, and provide a number of support programs. HITACHI provides a unique extended warranty program called HITACHI Extended Life Program, or HELP.

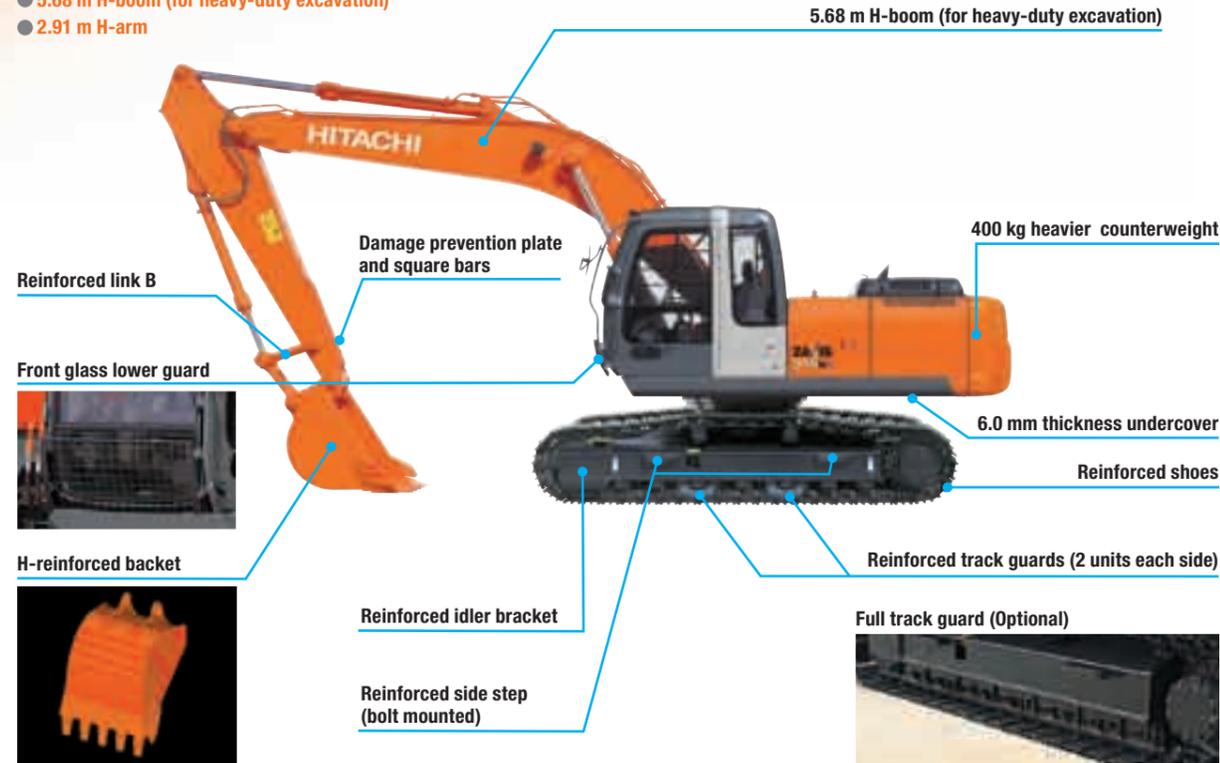
To minimize downtime during troubleshooting, we developed a PDA based diagnostic system called "Dr.ZX". To keep our customers' equipment in top running shape, good service is indispensable. We believe personnel training is the key to providing the best service.

If you would like more information regarding parts and/or service, please ask your nearest HITACHI dealer. Not all programs and/or services are available in every market or region.

Specific Versions for Tough Operations

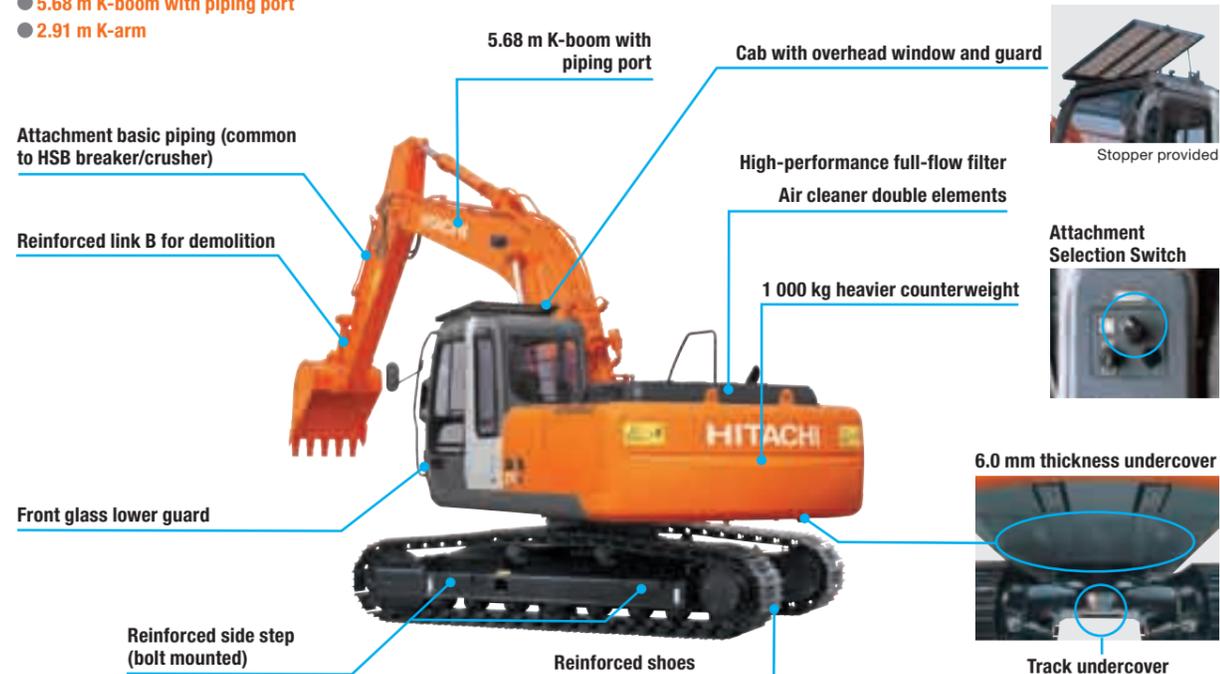
Heavy-Duty Excavation/Quarry Version (ZAXIS 210HG / ZAXIS 210LCHG)

- 0.80 m³ H-reinforced bucket
- 5.68 m H-boom (for heavy-duty excavation)
- 2.91 m H-arm



Demolition Version (ZAXIS 210KG / ZAXIS 210LCKG)

- 0.80 m³ reinforced bucket with lateral-type wear plates
- 5.68 m K-boom with piping port
- 2.91 m K-arm



SPECIFICATIONS

ENGINE

Model.....	Isuzu AA-6BG1T
Type.....	4-cycle water-cooled, direct injection
Aspiration.....	Turbocharged, intercooled
No. of cylinders.....	6
Rated power	
ISO 9249, net	110 kW (147 HP) at 2 100 min ⁻¹ (rpm)
SAE J1349, net	108 kW (145 HP) at 2 100 min ⁻¹ (rpm)
Maximum torque.....	550 Nm (56 kgf m) at 1 600 min ⁻¹ (rpm)
Piston displacement....	6.494 L
Bore and stroke	105 mm x 125 mm
Batteries.....	2 x 12 V / 96 Ah

HYDRAULIC SYSTEM

- Work mode selector
Digging mode / Attachment mode
 - Engine speed sensing system
- | | |
|---------------------|--|
| Main pumps | 2 variable displacement axial piston pumps |
| Maximum oil flow... | 2 x 194 L/min |
| Pilot pump..... | 1 gear pump |
| Maximum oil flow... | 32 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/cm ²)
Swing circuit.....	30.4 MPa (310 kgf/cm ²)
Travel circuit.....	34.3 MPa (350 kgf/cm ²)
Pilot circuit	3.9 MPa (40 kgf/cm ²)
Power boost	36.3 MPa (370 kgf/cm ²)

Hydraulic Cylinders

High-strength piston rods and tubes. Cylinder cushion mechanisms provided in boom and arm cylinders to absorb shock at stroke ends.

Dimensions

	Quantity	Bore	Rod diameter
Boom	2	120 mm	85 mm
Arm	1	135 mm	95 mm
Bucket	1	115 mm	80 mm
K-Bucket	1	125 mm	85 mm

Hydraulic Filters

Hydraulic circuits use high-quality hydraulic filters. A suction filter is incorporated in the suction line, and full-flow filters in the return line and swing / travel motor drain lines.

CONTROLS

Pilot controls. Hitachi's original shockless valve.

Implement levers	2
Travel levers with pedals.....	2
Attachment pedals (Demolition version ZX210K-3G).....	1

UPPERSTRUCTURE

Revolving Frame

Welded sturdy box construction, using heavy-gauge steel plates for ruggedness. 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, shear-type ball bearing with induction-hardened internal gear. Internal gear and pinion gear are immersed in lubricant. Swing parking brake is spring-set/hydraulic-released disc type.

Swing speed	13.3 min ⁻¹ (rpm)
Swing torque.....	61 kNm (6 220 kgf m)

Operator's Cab

Independent spacious cab, 1 005 mm wide by 1 675 mm high, conforming to ISO* Standards. Reinforced glass windows on 4 sides for visibility. Front windows (upper and lower) can be opened. Reclining seat with armrests; adjustable with or without control levers.

* International Standardization Organization

UNDERCARRIAGE

Tracks

Tractor-type undercarriage. Welded track frame using selected materials. Side frame welded to track frame. Lubricated track rollers, idlers, and sprockets with floating seals. Track shoes with triple grousers made of induction-hardened rolled alloy. Flat and triangular shoes are also available. 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 : ZX200-3G/ZX210H-3G/ZX210K-3G 8 : ZX200LC-3G/ZX210LCH-3G/ZX210LCK-3G
Track shoes	46 : ZX200-3G/ZX210H-3G/ZX210K-3G 49 : ZX200LC-3G/ZX210LCH-3G/ZX210LCK-3G
Track guard.....	1 : ZX200-3G/ZX200LC-3G/ZX210K-3G/ ZX210LCK-3G 2 : ZX210H-3G/ZX210LCH-3G

Travel Device

Each track driven by 2-speed axial piston motor through planetary reduction gear for counterrotation of the tracks. Sprockets are replaceable. Parking brake is spring-set/hydraulic-released disc type. Travel shockless relief valve built in travel motor absorbs shocks when stopping travel. Automatic transmission system: High-Low.

Travel speeds.....	High : 0 to 5.5 km/h Low : 0 to 3.6 km/h
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Maximum traction force.... 203 kN (20 700 kgf)

Gradeability

70 % (35 degree) continuous

SPECIFICATIONS

WEIGHTS AND GROUND PRESSURE

ZX200-3G:

Equipped with 5.68 m boom, 2.91 m arm and 0.80 m³ bucket (SAE, PCSA heaped).

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grouser	600 mm	19 400 kg	43 kPa (0.44 kgf/cm ²)
	700 mm	19 800 kg	38 kPa (0.39 kgf/cm ²)
	800 mm	20 100 kg	33 kPa (0.34 kgf/cm ²)
Triangular	900 mm	21 500 kg	31 kPa (0.32 kgf/cm ²)
Flat	600 mm	20 300 kg	45 kPa (0.46 kgf/cm ²)

ZX200LC-3G:

Equipped with 5.68 m boom, 2.91 m arm and 0.80 m³ bucket (SAE, PCSA heaped).

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grouser	600 mm	20 000 kg	41 kPa (0.42 kgf/cm ²)
	700 mm	20 400 kg	36 kPa (0.37 kgf/cm ²)
	800 mm	20 700 kg	32 kPa (0.33 kgf/cm ²)
Triangular	900 mm	22 200 kg	30 kPa (0.31 kgf/cm ²)
Flat	600 mm	20 900 kg	43 kPa (0.44 kgf/cm ²)

ZX210H-3G:

Equipped with 5.68 m H-boom, 2.91 m H-arm and 0.80 m³ H-reinforced bucket (SAE, PCSA heaped).

Shoe type	Shoe width	Operating weight	Ground pressure
Reinforced Triple grouser	600 mm	20 600 kg	46 kPa (0.47 kgf/cm ²)
Triple grouser	700 mm	20 800 kg	40 kPa (0.41 kgf/cm ²)
	800 mm	21 100 kg	35 kPa (0.36 kgf/cm ²)
Triangular	900 mm	22 600 kg	33 kPa (0.34 kgf/cm ²)
Flat	600 mm	21 300 kg	47 kPa (0.48 kgf/cm ²)

ZX210LCH-3G:

Equipped with 5.68 m H-boom, 2.91 m H-arm and 0.80 m³ H-reinforced bucket (SAE, PCSA heaped).

Shoe type	Shoe width	Operating weight	Ground pressure
Reinforced Triple grouser	600 mm	21 100 kg	44 kPa (0.45 kgf/cm ²)
Triple grouser	700 mm	21 300 kg	38 kPa (0.39 kgf/cm ²)
	800 mm	21 700 kg	33 kPa (0.34 kgf/cm ²)
Triangular	900 mm	23 200 kg	31 kPa (0.32 kgf/cm ²)
Flat	600 mm	21 900 kg	45 kPa (0.46 kgf/cm ²)

ZX210K-3G:

Equipped with 5.68 m K-boom, 2.91 m K-arm and 0.80 m³ K-reinforced bucket (SAE, PCSA heaped).

Shoe type	Shoe width	Operating weight	Ground pressure
Reinforced Triple grouser	600 mm	21 400 kg	48 kPa (0.49 kgf/cm ²)
Triple grouser	700 mm	21 600 kg	41 kPa (0.42 kgf/cm ²)
	800 mm	21 900 kg	37 kPa (0.38 kgf/cm ²)
	900 mm	22 200 kg	33 kPa (0.34 kgf/cm ²)
Flat	600 mm	22 100 kg	49 kPa (0.50 kgf/cm ²)

ZX210LCK-3G:

Equipped with 5.68 m K-boom, 2.91 m K-arm and 0.80 m³ K-reinforced bucket (SAE, PCSA heaped).

Shoe type	Shoe width	Operating weight	Ground pressure
Reinforced Triple grouser	600 mm	21 900 kg	45 kPa (0.46 kgf/cm ²)
Triple grouser	700 mm	22 100 kg	39 kPa (0.40 kgf/cm ²)
	800 mm	22 500 kg	35 kPa (0.36 kgf/cm ²)
	900 mm	22 800 kg	31 kPa (0.32 kgf/cm ²)
Flat	600 mm	22 600 kg	47 kPa (0.48 kgf/cm ²)

Weight of the basic machines [including 4 250 kg, 4 650 kg H-type, 5 250 kg K-type counterweight and triple grouser shoes, excluding front attachment, fuel, hydraulic oil, engine oil and coolant etc.] are:

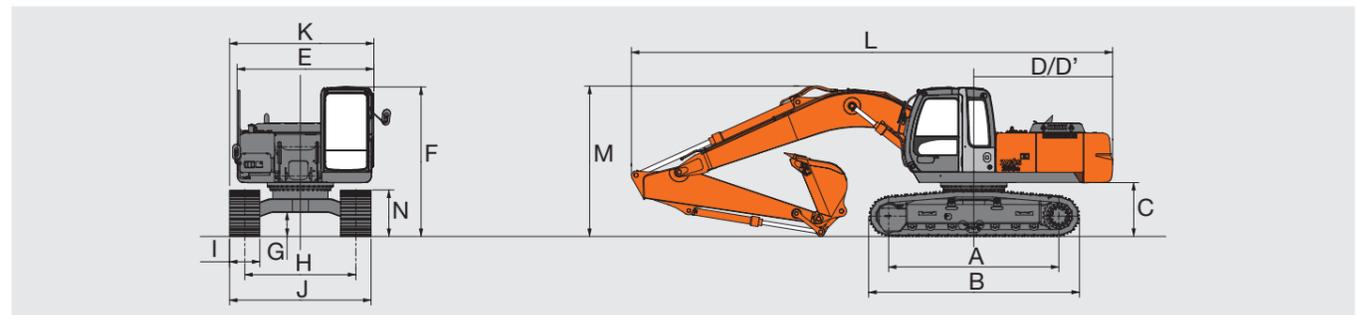
ZX200-3G.....	15 200 kg with 600 mm shoes
ZX200LC-3G.....	15 700 kg with 600 mm shoes
ZX210H-3G.....	16 100 kg with 600 mm reinforced shoes
ZX210LCH-3G.....	16 600 kg with 600 mm reinforced shoes
ZX210K-3G.....	16 800 kg with 600 mm reinforced shoes
ZX210LCK-3G.....	17 300 kg with 600 mm reinforced shoes

SERVICE REFILL CAPACITIES

Fuel tank.....	360.0 L
Engine coolant.....	23.0 L
Engine oil.....	25.0 L
Swing device.....	6.2 L
Travel device (each side).....	6.8 L
Hydraulic system.....	240.0 L
Hydraulic oil tank.....	135.0 L

DIMENSIONS / WORKING RANGES

DIMENSIONS

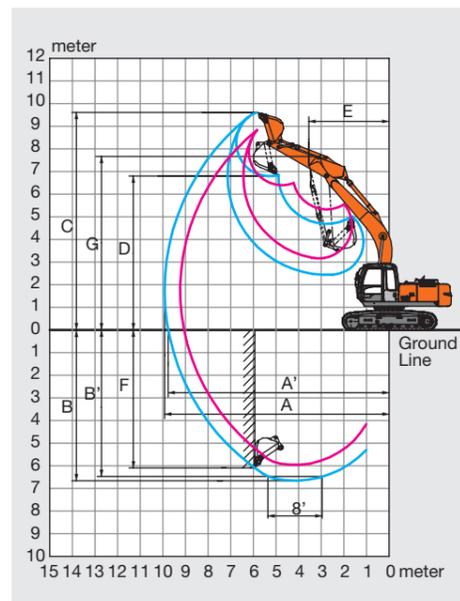


Unit: mm

	ZX200-3G	ZX200LC-3G	ZX210H-3G	ZX210LCH-3G	ZX210K-3G	ZX210LCK-3G
A Distance between tumblers	3 370	3 660	3 370	3 660	3 370	3 660
B Undercarriage length	4 170	4 470	4 170	4 470	4 170	4 470
* C Counterweight clearance	1 040	1 040	1 040	1 040	1 040	1 040
D Rear-end swing radius	2 750	2 750	2 750	2 750	2 750	2 750
D' Rear-end length	2 750	2 750	2 750	2 750	2 750	2 750
E Overall width of upperstructure	2 710	2 710	2 710	2 710	2 710	2 710
F Overall height of cab	2 960	2 960	2 960	2 960	3 090	3 090
* G Min. ground clearance	450	450	450	450	450	450
H Track gauge	2 200	2 390	2 200	2 390	2 200	2 390
I Track shoe width	G 600	G 600	G 600	G 600	G 600	G 600
J Undercarriage width	2 800	2 990	2 800	2 990	2 800	2 990
K Overall width	2 860	2 990	2 860	2 990	2 860	2 990
L Overall length						
With 2.22 m arm	9 620	9 620	—	—	—	—
With 2.91 m arm	9 500	9 500	9 500	9 500	9 500	9 500
M Overall height of boom						
With 2.22 m arm	3 130	3 130	—	—	—	—
With 2.91 m arm	2 970	2 970	2 970	2 970	2 970	2 970
N Track height with triple grouser shoes	920	920	920	920	920	920

* Excluding track shoe lug
G: Triple grouser shoe

WORKING RANGES



Unit: mm

	ZX200-3G/ZX200LC-3G	ZX210H-3G/ ZX210LCH-3G	ZX210K-3G/ ZX210LCK-3G
Arm length	2.22 m	2.91 m	2.91 m H-arm 2.91 m K-arm
A Max. digging reach	9 250	9 910	9 910
A' Max. digging reach (on ground)	9 080	9 750	9 750
B Max. digging depth	5 970	6 660	6 660
B' Max. digging depth (8' level)	5 730	6 480	6 480
C Max. cutting height	9 180	9 610	9 610
D Max. dumping height	6 400	6 790	6 790
E Min. swing radius	3 530	3 540	3 540
F Max. vertical wall	5 130	6 040	6 040
G Min. swing radius height	7 780	7 660	7 660
Bucket digging force* ISO	151 kN (15 400 kgf)		
Bucket digging force* SAE : PCSA	129 kN (13 200 kgf)	129 kN (13 200 kgf)	
Arm crowd force* ISO	136 kN (13 900 kgf)	109 kN (11 100 kgf)	109 kN (11 100 kgf)
Arm crowd force* SAE : PCSA	131 kN (13 400 kgf)	102 kN (10 400 kgf)	102 kN (10 400 kgf)

Excluding track shoe lug * At power boost

SPECIFICATIONS

BACKHOE ATTACHMENTS

Boom and arms are of welded, box-section design. 5.68 m boom, and 2.22 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

Capacity		Width		No. of teeth	Weight	Recommendation										
SAE, PCSA heaped	CECE heaped	Without side cutters	With side cutters			ZX200-3G		ZX200LC-3G		ZX210H-3G ZX210LCH-3G	ZX210K-3G ZX210LCK-3G					
						2.22 m arm	2.91 m arm	2.22 m arm	2.91 m arm	2.91 m H-arm	2.91 m K-arm					
0.51 m ³	0.45 m ³	720 mm	830 mm	3	530 kg	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙			
0.80 m ³	0.70 m ³	1 030 mm	1 140 mm	5	660 kg	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙			
0.91 m ³	0.80 m ³	1 150 mm	1 260 mm	5	700 kg	⊙	○	⊙	⊙	○	⊙	○	⊙			
1.10 m ³	0.90 m ³	1 330 mm	1 440 mm	6	770 kg	□	—	□	○	—	○	—	○			
1.20 m ³	1.00 m ³	1 450 mm	—	6	690 kg	□	—	□	—	—	—	—	—			
¹ 0.80 m ³	0.70 m ³	1 030 mm	1 140 mm	5	750 kg	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙			
¹ 0.91 m ³	0.80 m ³	1 150 mm	1 260 mm	5	800 kg	⊙	○	⊙	⊙	○	⊙	○	⊙			
² 0.80 m ³	0.70 m ³	1 040 mm	1 150 mm	5	760 kg	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙			
³ 0.80 m ³	0.70 m ³	1 030 mm	1 140 mm	5	660 kg	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙			
⁴ 0.80 m ³	0.70 m ³	1 040 mm	1 150 mm	5	760 kg	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙			
⁵ 0.60 m ³	0.50 m ³	800 mm	—	3	950 kg	●	—	●	—	—	—	—	—			
One-point ripper				1	540 kg	●	—	●	—	—	—	—	—			
Slope-finishing blade: Width 1 100 mm, length 1 800 mm				—	590 kg	◇	◇	◇	◇	◇	◇	—	—			
V shape Bucket:				3	520 kg	○	○	○	○	○	○	—	—			
Center-pull type clamshell bucket: 0.60 m ³ (CECE heaped), Width 940 mm				8	1 130 kg	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙			
Shell-push type clamshell bucket: 0.60 m ³ (CECE heaped), Width 870 mm				7		⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙			

- ¹ Reinforced bucket
- ² H-bucket
- ³ Level-pin-type reinforced bucket
- ⁴ Super V teeth type reinforced bucket
- ⁵ Ripper bucket
- ⊙ 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
- Not applicable

LIFTING CAPACITIES

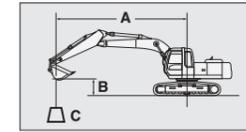
Notes: 1. Ratings are based on SAE J1097.

2. Lifting capacity of the ZAXIS Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% full hydraulic capacity.

3. The load point is a hook (not standard equipment) located on the back of the bucket.

4. *Indicates load limited by hydraulic capacity.

5. 0 m = Ground.



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



Unit: 1 000 kg

ZX200-3G

Conditions	Load point height	Load radius												At max. reach						
		2.0 m		3.0 m		4.0 m		5.0 m		6.0 m		7.0 m		8.0 m		meter				
		⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙						
Boom 5.68 m	7.0 m																3.08	*4.01	7.21	
Arm 2.22 m	6.0 m																	2.56	*3.91	7.90
Bucket 0.80 m ³	5.0 m																	2.25	3.55	8.38
Counterweight 4 250 kg	4.0 m							*6.73	*6.73	5.34	*5.61	3.97	*5.02	3.04	*4.70			2.05	3.28	8.70
Shoe 600 mm	3.0 m									5.05	*6.70	3.80	*5.63	2.95	4.66	2.32	3.71	1.93	3.12	8.87
	2.0 m									4.76	7.76	3.64	5.81	2.85	4.55	2.27	3.65	1.88	3.06	8.91
	1.0 m									4.56	7.53	3.50	5.66	2.76	4.45	2.22	3.60	1.88	3.08	8.82
	0 (Ground)									4.45	7.41	3.40	5.55	2.69	4.37	2.18	3.55	1.95	3.19	8.59
	-1.0 m									4.41	7.37	3.35	5.50	2.66	4.33			2.10	3.42	8.21
	-2.0 m							6.33	*10.2	4.42	7.38	3.35	5.49	2.66	4.33			2.37	3.84	7.65
	-3.0 m																	2.87	*4.52	6.87
	-4.0 m							*9.45	*9.45	6.41	*10.1	4.48	7.44	3.39	5.54					
	-5.0 m							*10.6	*10.6	6.54	*8.96	4.58	*7.44	3.49	5.65					

Conditions	Load point height	Load radius												At max. reach						
		2.0 m		3.0 m		4.0 m		5.0 m		6.0 m		7.0 m		8.0 m		meter				
		⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙						
Boom 5.68 m	7.0 m																			
Arm 2.91 m	6.0 m																			
Bucket 0.80 m ³	5.0 m																			
Counterweight 4 250 kg	4.0 m																			
Shoe 600 mm	3.0 m																			
	2.0 m																			
	1.0 m																			
	0 (Ground)																			
	-1.0 m																			
	-2.0 m	*4.86	*4.86	*7.97	*7.97	6.21	10.8	4.36	7.31	3.29	5.44	2.59	4.27	2.10	3.47	1.97	3.24	8.43		
	-3.0 m	*8.81	*8.81	*10.3	*10.3	6.26	*10.9	4.38	7.33	3.30	5.44	2.60	4.28				2.30	3.74	7.74	
	-4.0 m			10.5	*12.4	6.36	*9.98	4.44	7.41	3.35	5.50						2.90	*4.45	6.79	
	-5.0 m			*10.5	*10.5	6.53	*8.53	4.57	*6.94	3.48	*5.44									

ZX200LC-3G

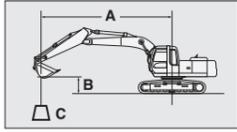
Conditions	Load point height	Load radius												At max. reach						
		2.0 m		3.0 m		4.0 m		5.0 m		6.0 m		7.0 m		8.0 m		meter				
		⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙						
Boom 5.68 m	7.0 m																			
Arm 2.22 m	6.0 m																			
Bucket 0.80 m ³	5.0 m																			
Counterweight 4 250 kg	4.0 m																			
Shoe 600 mm	3.0 m																			
	2.0 m																			
	1.0 m																			
	0 (Ground)																			
	-1.0 m																			
	-2.0 m																			
	-3.0 m																			
	-4.0 m																			
	-5.0 m																			

Conditions	Load point height	Load radius												At max. reach						
		2.0 m		3.0 m		4.0 m		5.0 m		6.0 m		7.0 m		8.0 m		meter				
		⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙						
Boom 5.68 m	7.0 m																			
Arm 2.91 m	6.0 m																			
Bucket 0.80 m ³	5.0 m																			
Counterweight 4 250 kg	4.0 m																			
Shoe 600 mm	3.0 m																			
	2.0 m																			
	1.0 m																			
	0 (Ground)																			
	-1.0 m																			
	-2.0 m	*4.86	*4.86	*7.97	*7.97	7.11	*11.4	4.97	8.54	3.75	6.30	2.96	4.93	2.41	4.01	2.25	*3.63	8.43		
	-3.0 m	*8.81	*8.81	*10.3	*10.3	7.16	*10.9	4.99	8.56	3.76	6.31	2.97	4.95				2.62	*4.26	7.74	
	-4.0 m			12.2	*12.4	7.27	*9.98	5.05	*8.12	3.81	6.37						3.29	*4.45	6.79	
	-5.0 m			*10.5	*10.5	7.43	*8.53	5.19	*6.94	3.94	*5.44									

LIFTING CAPACITIES

Notes: 1. Ratings are based on SAE J1097.

- Lifting capacity of the ZAXIS Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% full hydraulic capacity.
- The load point is a hook (not standard equipment) located on the back of the bucket.
- *Indicates load limited by hydraulic capacity.
- 0 m = Ground.



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

Rating over-side or 360 degrees Rating over-front Unit: 1 000 kg

ZX210H-3G

Conditions	Load point height	Load radius												At max. reach							
		2.0 m		3.0 m		4.0 m		5.0 m		6.0 m		7.0 m		8.0 m		meter					
H-Boom 5.68 m	7.0 m																	*2.33	*2.33	8.04	
H-Arm 2.91 m	6.0 m														3.36	*3.62			2.25	*2.27	8.65
H-Bucket 0.80m ³	5.0 m																				9.09
Counterweight 4 650 kg	4.0 m																				9.38
Shoe 600 mm	3.0 m																				9.54
	2.0 m																				9.58
	1.0 m																				9.49
	0 (Ground)																				9.28
	-1.0 m																				8.94
	-2.0 m	*4.68	*4.68	*7.78	*7.78	6.61	*11.1	4.62	7.75	3.47	5.74	2.72	4.49	2.19	3.64			2.05	3.40		8.43
	-3.0 m	*8.62	*8.62	*10.3	*10.3	6.67	*10.6	4.64	7.78	3.48	5.75	2.73	4.50					2.40	3.93		7.74
	-4.0 m																				6.79
	-5.0 m																				

ZX210LCH-3G

Conditions	Load point height	Load radius												At max. reach							
		2.0 m		3.0 m		4.0 m		5.0 m		6.0 m		7.0 m		8.0 m		meter					
H-Boom 5.68 m	7.0 m																				8.04
H-Arm 2.91 m	6.0 m																				8.65
H-Bucket 0.80m ³	5.0 m																				9.09
Counterweight 4 650 kg	4.0 m																				9.38
Shoe 600 mm	3.0 m																				9.54
	2.0 m																				9.58
	1.0 m																				9.49
	0 (Ground)																				9.28
	-1.0 m																				8.94
	-2.0 m	*4.68	*4.68	*7.78	*7.78	7.56	*11.1	5.26	*8.78	3.95	6.64	3.10	5.18	2.51	4.20			2.35	*3.51		8.43
	-3.0 m	*8.62	*8.62	*10.3	*10.3	7.62	*10.6	5.28	*8.51	3.96	6.65	3.11	5.19					2.74	*4.14		7.74
	-4.0 m																				6.79
	-5.0 m																				

ZX210K-3G

Conditions	Load point height	Load radius												At max. reach							
		2.0 m		3.0 m		4.0 m		5.0 m		6.0 m		7.0 m		8.0 m		meter					
K-Boom 5.68 m	7.0 m																				8.04
K-Arm 2.91 m	6.0 m																				8.65
K-Bucket 0.80m ³	5.0 m																				9.09
Counterweight 5 250 kg	4.0 m																				9.38
Shoe 600 mm	3.0 m																				9.54
	2.0 m																				9.58
	1.0 m																				9.49
	0 (Ground)																				9.28
	-1.0 m																				8.94
	-2.0 m	*4.68	*4.68	*7.75	*7.75	7.23	*11.2	5.08	8.35	3.83	6.21	3.02	4.87	2.44	3.96			2.29	*3.03		8.43
	-3.0 m	*8.62	*8.62	*10.3	*10.3	7.29	*10.6	5.10	8.38	3.84	6.21	3.03	4.88					2.67	*3.61		7.74
	-4.0 m																				6.79
	-5.0 m																				

ZX210LCK-3G

Conditions	Load point height	Load radius												At max. reach							
		2.0 m		3.0 m		4.0 m		5.0 m		6.0 m		7.0 m		8.0 m		meter					
K-Boom 5.68 m	7.0 m																				8.04
K-Arm 2.91 m	6.0 m																				8.65
K-Bucket 0.80m ³	5.0 m																				9.09
Counterweight 5 250 kg	4.0 m																				9.38
Shoe 600 mm	3.0 m																				9.54
	2.0 m																				9.58
	1.0 m																				9.49
	0 (Ground)																				9.28
	-1.0 m																				8.94
	-2.0 m	*4.68	*4.68	*7.75	*7.75	8.22	*11.2	5.74	*8.79	4.33	7.12	3.41	5.59	2.77	4.54			2.60	*3.03		8.43
	-3.0 m	*8.62	*8.62	*10.3	*10.3	8.27	*10.6	5.76	*8.52	4.34	*6.96	3.42	5.60					3.01	*3.61		7.74
	-4.0 m																				6.79
	-5.0 m																				

EQUIPMENT

STANDARD EQUIPMENT

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

ENGINE

- H/P mode control
- E mode control
- 50 A alternator
- Cartridge-type engine oil filter
- Cartridge-type fuel filter
- Air cleaner double filters
- Radiator and oil cooler with dust protective net
- Radiator reserve tank
- Fan guard
- Isolation-mounted engine
- Auto-idle system
- Auto acceleration system

HYDRAULIC SYSTEM

- Work mode selector
- Engine speed sensing system
- E-P control system
- Power boost
- Auto power lift
- Quick warm-up system for pilot circuit
- Shockless valve in pilot circuit
- Boom-arm anti-drift valve
- Control valve with main relief valve
- Extra port for control valve
- Suction filter
- Full-flow filter
- Pilot filter

CAB

CRES (Center pillar Reinforced Structure)

- OPG top guard fitted level 1 (ISO) compliant cab
- Auto control air conditioner
- All-weather sound-suppressed steel cab
- Reinforced, tinted (bronze color) glass windows
- 4 fluid-filled elastic mounts
- Openable front windows-upper, and lower and left side windows
- Intermittent windshield retractable wipers
- Front window washer
- Adjustable reclining seat with adjustable armrests
- Footrest
- Electric double horn
- AM - FM radio with digital clock
- Auto-idle / acceleration selector
- Seat belt
- Drink holder
- Cigar lighter
- Ashtray
- Storage box
- Glove compartment
- Floor mat
- Pilot control shut-off lever
- Engine stop knob

MONITOR SYSTEM

- Meters : Hourmeter and trip-meter, engine coolant temperature gauge and fuel gauge
- Warning lamps : Alternator charge, engine oil pressure, engine overheat, air filter restriction and minimum fuel level
- Pilot lamps : Engine preheat, work light, auto-idle, auto-acceleration, digging mode and attachment mode
- Alarm buzzers : Engine oil pressure and engine overheat

LIGHTS

- 2 working lights

UPPERSTRUCTURE

- Undercover
- 4 250 kg counterweight
- Fuel level float
- Hydraulic oil level gauge
- Tool box
- Utility space
- Rearview mirror (right & left side)
- Swing parking brake

UNDERCARRIAGE

- Travel parking brake
- Travel motor covers
- 1 track guards (each side) and hydraulic track adjuster
- Bolt-on sprocket
- Upper and lower rollers
- Reinforced track links with pin seals
- 4 tie down hooks
- 600 mm triple grouser shoes

FRONT ATTACHMENTS

- HN bushing
- WC thermal spraying
- Reinforced resin thrust plate
- Flanged pin
- Bucket clearance adjust mechanism
- Monolithically cast bucket link A
- Centralized lubrication system
- Dirt seal on all bucket pins
- 5.68 m boom
- 2.91 m arm
- 0.80 m³ (SAE, PCSA heaped) bucket

MISCELLANEOUS

- Standard tool kit
- Lockable machine covers
- Lockable fuel filling cap
- Skid-resistant tapes, plates and handrails.
- Travel direction mark on track frame

ZX210H-3G (Heavy-duty version)

- H-boom 5.68 m and H-arm 2.91 m
- Damage prevention plate and square bars
- 0.80 m³ (SAE, PCSA heaped) H-reinforced bucket
- Reinforced link B
- Front glass lower guard
- 6.0 mm thickness undercover

- 4 650 kg counterweight
- 600 mm reinforced triple grouser shoe
- Reinforced track guard (2 units each side)
- Reinforced lower flange
- Reinforced idler bracket
- Reinforced side step (bolt mounted)

ZX210K-3G (Demolition version)

- K-cab (CRES cab with overhead window and guard)
- K-boom 5.68 m and K-arm 2.91 m
- 0.80 m³ (PCSA heaped) K-reinforced bucket
- Reinforced link B for demolition
- Front glass lower guard
- Attachment basic piping
- Damage prevention plate
- 6.0 mm thickness undercover

- Track undercover
- 600 mm reinforced triple grouser shoe
- 5 250 kg counterweight
- High-performance full-flow filter (with restriction indicator)
- Reinforced lower flange
- Reinforced idler bracket
- Reinforced side step (bolt mounted)

OPTIONAL EQUIPMENT

Optional equipment may vary by country, so please consult your Hitachi dealer for details.

- Suspension seat
- Electric fuel refilling pump
- Additional pump
- 12 V power source
- Pre-cleaner
- Fuel double filters
- Tropical cover
- Front screen of air condenser
- Attachment basic piping
- Accessories for breaker
- Accessories for breaker & crusher
- Accessories for 2 speed selector
- Front glass lower guard
- Front glass upper guard

- Additional light (on the top of the cab)
- Rear light
- Track undercover
- Assist piping

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.

