ZAXIS 200

Engine Rated Power : 110 kW (150 PS)
Operating Weight
ZAXIS200/ZAXIS200LC : 19 400 kg/19 900 kg
ZAXIS210H/ZAXIS210LCH : 20 300 kg/20 800 kg
ZAXIS210K/ZAXIS210LCK : 21 300 kg/21 800 kg
Backhoe Bucket
PCSA Heaped : 0.51-1.20 m^3
CECE Heaped : 0.45-1.00 m^3

HITACHI

Focusing on the Future.

Zaxis blends the latest in information and heavy equipment technologies to provide the performance and operating efficiency for lower total costs. It is ready to meet the challenges and the changes facing the construction industry of today and tomorrow.

Zaxis: Z-axis means the third coordinate - the continuation of the Z, X and Y axes. This dimension is not limited to flat surfaces; it is the power of creativity that extends into space. Hitachi chose the name Zaxis because it encompasses the concepts for the machine of today that stands ready for the challenges of tomorrow.

Note: Caution plates affixed to the machine vary depending on countries.

ZAXIS

Smarter & Faster.

ZAXIS uses advanced technology to reduce costs while working faster.

110 kW(150 PS) High-Power Engine - The Largest in the 20 Ton Class

The large intercooler-equipped engine provides an excellent balance of power and fuel efficiency.

Direct-Feel Control From a Refined Hydraulic System

It almost seems as if the wishes of the operator become excavating operations. The refined hydraulic system gives the operator excellent control.

Power to Master Tough Excavating Jobs

The powerful engine and hydraulic system work together to focus maximum excavating force on the job. Zaxis dominates tough work sites.

Dependable Travel and Swing Torque

Plenty of dependable power for travel and swing operations makes the Zaxis ready for rough terrain. Compared to the current model, the Zaxis offers 8% more travel power and 11% more swing torque.

Auto Acceleration Control Cuts Fuel Consumption

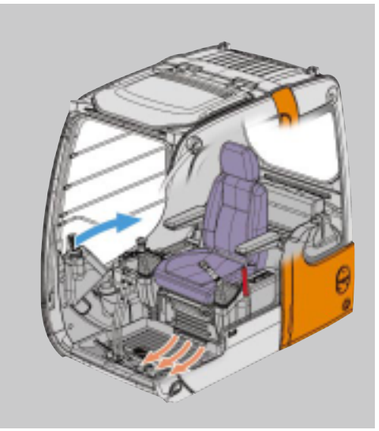
Automatic adjustment of engine speed to the amount of lever operation helps reduce unnecessary engine operation. Reducing engine operation for light loads contributes to lower fuel consumption.

All Excavating Operations in a Single Mode

Simply select the "Digging" mode for smooth and speedy front operations. No need to select from among multiple modes.

Auto Power Lift Increases Power on Demand

Loads are increased during scooping operations and the Auto Power Lift function automatically provides a 6% increase in power to meet the demand.



Easy-to-Monitor Instruments

Strategically positioned instruments allow the operator to monitor the status of key areas with just a glance.

Easy-to-Reach Switches

Switches and other essential controls are located near the operator. This helps keep operator movement to a minimum, enhancing control and helping to fight fatigue.

Auto Control Air Conditioner (Option)

Simply set the temperature and forget about it. Ducts are positioned to promote even air flow throughout the cab.

Z A X I S

Minimum Effort. Maximum Efficiency.

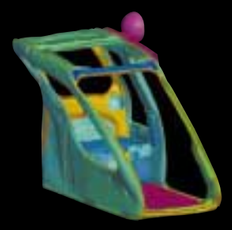
Operator's compartment is designed for both comfort and operating efficiency.

Enhanced visibility on the lower right side

Drink holder

Storage box
Easy-lock front window latch
Wide and comfortable arm rests

Simulated crash deformation test



Z A X I S

Protect & Serve.

A design that both guards the operator and contributes to efficient operation.

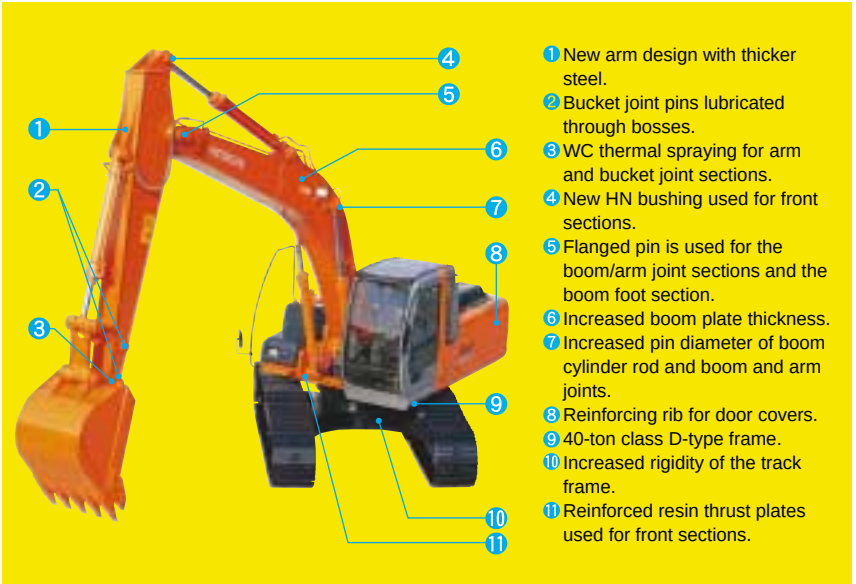
Reinforced sections shown in red

CRES (Center pillar Reinforced Structure)

The cab is designed to help with "just in case" protection for the operator. The rigid cab design can help prevent injury to the operator during an accident.

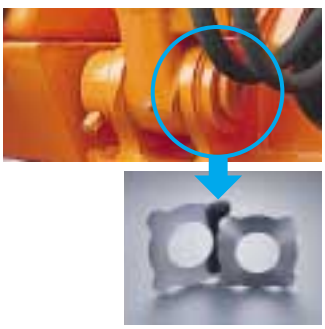
Functional & Durable.

Extensive steps have been taken to support basic performance and overall durability.



1. New arm design with thicker steel.
2. Bucket joint pins lubricated through bosses.
3. WC thermal spraying for arm and bucket joint sections.
4. New HN bushing used for front sections.
5. Flanged pin is used for the boom/arm joint sections and the boom foot section.
6. Increased boom plate thickness.
7. Increased pin diameter of boom cylinder rod and boom and arm joints.
8. Reinforcing rib for door covers.
9. 40-ton class D-type frame.
10. Increased rigidity of the track frame.
11. Reinforced resin thrust plates used for front sections.

New HN Bushing



Reinforced Resin Thrust Plates

Designed to reduce noise and resist wear.

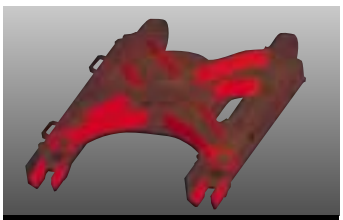
WC Thermal Spraying (Tungsten Carbide)

Components can be used for up to 1 000 hours before lubrication is needed.

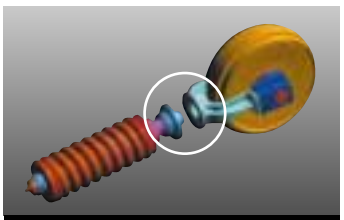
(Data based on Hitachi testing.)

Strengthened Swing Circle

Provides support for strong excavating force.



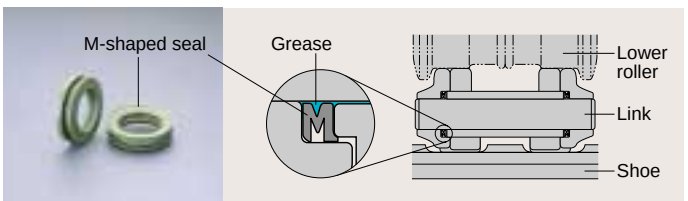
Reinforced track frame sections (shown in red)



Insertion type idler yoke

Rigid Undercarriage

Strong undercarriage section for increased durability. Designed for tough work sites.



M-Shaped Track Link Seals Provide High Grease Retention

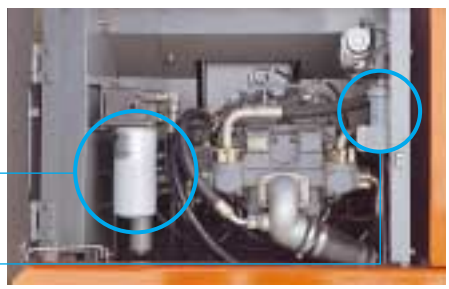
Smart Savings.

Advanced technology help reduce maintenance cost by 30%.

Comparative information based on current Japan domestic model.

Front and Bucket Components Only Need Lubrication Every 500 Hours

The improved HN grooved bushings and reinforced resin thrust plates help reduce maintenance time and expense.



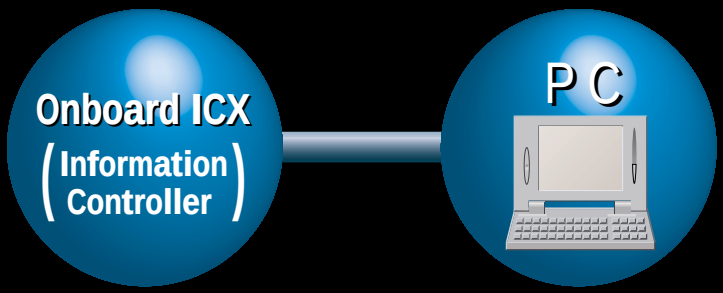
Engine Oil Filter and Water Separator Positioned for Easy Checking from Ground

Hydraulic Oil Filter Only Needs Replacement Every 1000 Hours

The hydraulic oil filter can be used nearly twice as long as the previous model dramatically reducing maintenance time and expense.

Undercarriage Designed for Easy Mud Removal

Equipment Operation Status Report

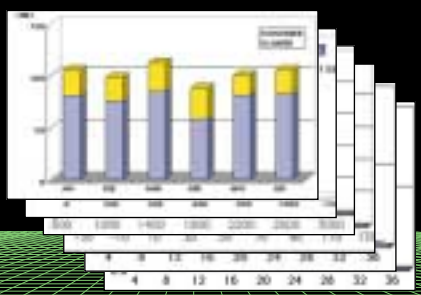


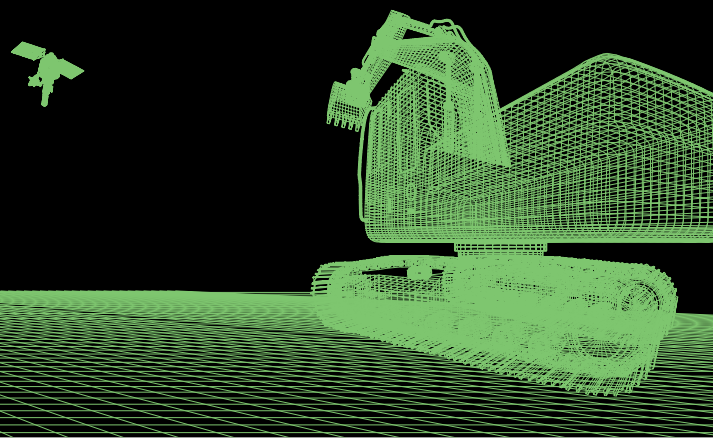
ZAXIS

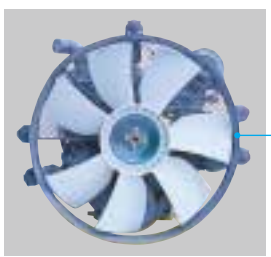
Information Technology Support.

Providing the data for making the right decisions.

Information Services for Equipment







Low Noise Operation

An low-noise muffler and other such steps have been taken to reduce the amount of noise released from the engine compartment.

Emissions Control Engine

Conforms to U.S. EPA Tier 2 and EC Tier 2 emission regulations.

Labeled Plastic Parts

The type of plastic used in various parts is imprinted on them to facilitate easy recycling.

Lead-Free Wiring and Aluminium Radiator and Oil Cooler

Helps keep harmful materials from the environment.

ZAXIS

Environmentally Friendly Design.

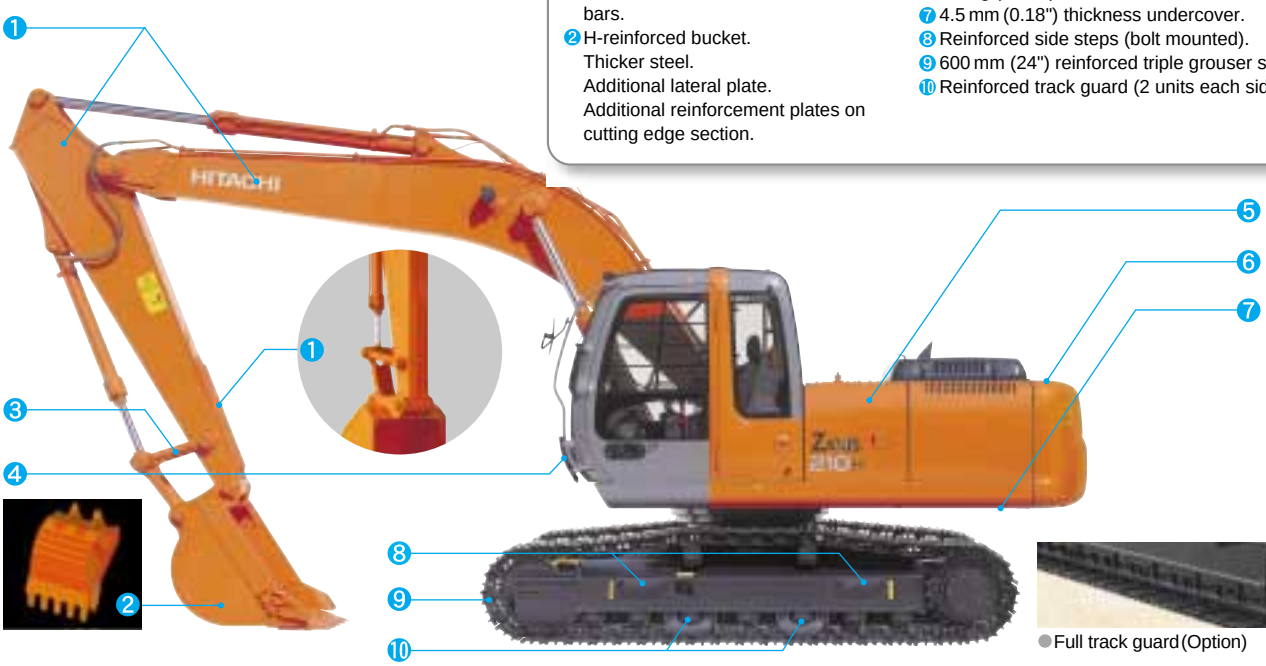
Helping ensure a cleaner tomorrow.

ZAXIS210H

Heavy-Duty Version H-Series (ZAXIS210H / ZAXIS210LCH)

A reinforced track frame and enhanced durability make the H-Series ready for tough tasks.

❶ Reinforced thick steel front section (H-boom / H-arm).
Thicker steel arm end.
Damage prevention plate and square bars.
❷ H-reinforced bucket.
Thicker steel.
Additional lateral plate.
Additional reinforcement plates on cutting edge section.
❸ Reinforced link B.
❹ Front glass lower guard.
❺ Air cleaner double filters.
❻ 400 kg (880 lb) added heavier counterweight.
❼ 4.5 mm (0.18") thickness undercover.
❽ Reinforced side steps (bolt mounted).
❾ 600 mm (24") reinforced triple grouser shoe.
❿ Reinforced track guard (2 units each side).



● Full track guard (Option)

ZAXIS210K

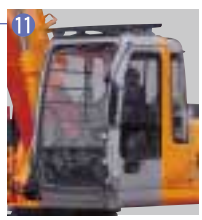
Demolition Version K-Series (ZAXIS210K / ZAXIS210LCK)

Designed exclusively for use with various demolition attachments.

❶ Reinforced bucket cylinder.
❷ Attachment basic piping.
❸ Damage prevention plate.
❹ Reinforced link B for demolition.
❺ K-reinforced bucket.
❻ Front glass lower guard.
❼ 6.0 mm (0.24") thickness undercover.
❽ Track undercover.
❾ Reinforced side steps (bolt mounted).
❿ 600 mm (24") reinforced triple grouser shoe.
⓫ K-cab (CRES cab with overhead window & guard).
⓬ 1 000 kg (2 210 lb) added heavier counterweight.
⓭ High-performance full-flow filter (with restriction indicator).
⓮ Air cleaner double filters.

OPTION

- Accessories for breaker.
- Accessories for breaker & crusher.
- Accessories for 2 speed selector.
- Front glass upper guard.
- Small radius swing bracket.



Notes: Photo shown model equipped with optional accessories for breaker and crusher.
Total weight of attachments to be mounted is from a standpoint of machine stability. For more details, contact your distributor.

ENGINE

Model ..... Isuzu AA-6BG1T
Type ..... 4-cycle water-cooled, direct injection
Aspiration ..... Turbocharged, intercooled
No. of cylinders 6
Rated power
DIN 6271, net ..... H/P mode : 110 kW (150 PS) at 2 100 min^{-1} (rpm)
P mode : 103 kW (140 PS) at 1 900 min^{-1} (rpm)
SAE J1349, net ..... H/P mode : 108 kW (147 hp) at 2 100 min^{-1} (rpm)
P mode : 101 kW (137 hp) at 1 900 min^{-1} (rpm)
Maximum torque ..... 550 N·m (56 kgf·m, 405 lbf·ft) at 1 600 min^{-1} (rpm)
Piston Displacement ..... 6.494 L (396 in^3)
Bore and stroke ..... 105 mm x 125 mm (4.13" x 4.92")
Batteries ..... 2 x 12 V / 97 AH
Governor ..... Mechanical speed control with stepping motor

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 (51.3 US gpm, 42.7 lmp gpm)
Pilot pump ..... 1 gear pump
Max. oil flow ..... 32 L/min. (8.5 US gpm, 7.0 lmp gpm)

Hydraulic Motors

Travel ..... 2 variable displacement axial pistom motors
Swing ..... 1 axial piston motor

Relief Valve Settings

Implement circuit ..... 34.3 MPa (350 kgf/cm^2, 4 980 psi)
Swing circuit ..... 30.4 MPa (310 kgf/cm^2, 4 410 psi)
Travel circuit ..... 34.3 MPa (350 kgf/cm^2, 4 980 psi)
Pilot circuit ..... 3.9 MPa (40 kgf/cm^2, 570 psi)
Power boost ..... 36.3 MPa (370 kgf/cm^2, 5 260 psi)

Hydraulic Cylinders

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

Dimensions

	Qty.	Bore	Rod diameter
Boom	2	120 mm (4.72")	85 mm (3.35")
Arm	1	135 mm (5.31")	95 mm (3.74")
Bucket	1	115 mm (4.53")	80 mm (3.15")
K-bucket	1	125 mm (4.92")	85 mm (3.35")

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.
Demolition version ZAXIS210K and ZAXIS210LCK uses other type of high-performance full flow filters with clog indicator.

CONTROLS

Pilot controls. Hitachi's original shockless valve and quick warm-up system built in the pilot circuit. Hydraulic warm-up control system for engine and hydraulic oil.
Implement levers 2
Travel levers with pedals 2
Attachment pedals (Demolition Version ZAXIS210K / ZAXIS210LCK) 1

UPPERSTRUCTURE

Revolving Frame

Welded sturdy box construction, using heavy-gauge steel plates for ruggedness. D-section frame for resistance to deformation.

Swing Mechanism

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)

Operator's Cab

Independent roomy cab, 1 005 mm (40") wide by 1 675 mm (66") high, conforming to ISO* Standards. Reinforced glass windows on 4 sides for visibility. Front windows (upper and lower) are openable. Adjustable, reclining seat with armrests; movable 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: ZAXIS200 / 210H / 210K
8: ZAXIS200LC / 210LCH / 210LCK
Track shoes ..... 46: ZAXIS200 / 210H / 210K
49: ZAXIS200LC / 210LCH / 210LCK
Track guard ..... 1: ZAXIS200 / 210H / 210K
2: ZAXIS200LC / 210LCH / 210LCK

H-track guard on the ZAXIS210H and ZAXIS210LCH are reinforced.

Traction 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 (3.4 mph)
Low: 0 to 3.6 km/h (2.2 mph)
Maximum traction force ..... 184 kN (18 800 kgf, 41 500 lbf)
Gradeability ..... 35° (70%) continuous

WEIGHTS AND GROUND PRESSURE

Equipped with 5.68 m (18'8") boom, 2.91 m (9'7") arm and 0.80 m³ (1.05 yd³: PCSA heaped) bucket.

Shoe type	Shoe width	Operating wight	Ground pressure
Triple grouser	600 mm (24")	19 400 kg (42 800 lb)	43 kPa (0.44 kgf/cm², 6.26 psi)
		19 900 kg (43 900 lb)	41 kPa (0.42 kgf/cm², 5.97 psi)
	700 mm (28")	19 800 kg (43 700 lb)	38 kPa (0.39 kgf/cm², 5.55 psi)
		20 300 kg (44 800 lb)	36 kPa (0.37 kgf/cm², 5.26 psi)
	800 mm (31")	20 100 kg (44 300 lb)	33 kPa (0.34 kgf/cm², 4.83 psi)
		20 600 kg (45 400 lb)	32 kPa (0.33 kgf/cm², 4.69 psi)
Flat	600 mm (24")	20 300 kg (44 800 lb)	45 kPa (0.46 kgf/cm², 6.54 psi)
		20 800 kg (45 900 lb)	43 kPa (0.44 kgf/cm², 6.26 psi)
Triangular	760 mm (30")	20 600 kg (45 400 lb)	36 kPa (0.37 kgf/cm², 5.26 psi)
		21 200 kg (46 700 lb)	34 kPa (0.35 kgf/cm², 5.00 psi)
	900 mm (35")	21 100 kg (46 500 lb)	31 kPa (0.32 kgf/cm², 4.55 psi)
		21 700 kg (47 800 lb)	30 kPa (0.31 kgf/cm², 4.41 psi)

Figures in [ ] are data on the ZAXIS200LC.

Weights of the basic machines [including 4 250 kg (9 370 lb), 4 650 kg (10 300 lb) H-type, 5 250 kg (11 600 lb) K-type counterweight and triple grouser shoes, excluding front-end attachment, fuel, Hyd, oil, Eng. Oil and coolant etc.]are:

ZAXIS200.....15 100 kg (33 300 lb)with 600 mm (24") shoes
ZAXIS200LC .....15 600 kg (34 400 lb)with 600 mm (24") shoes
ZAXIS210H.....15 800 kg (34 800 lb)with 600 mm (24") Reinforced shoes
ZAXIS210LCH....16 300 kg (35 900 lb)with 600 mm (24") Reinforced shoes
ZAXIS210K.....16 600 kg (36 600 lb)with 600 mm (24") Reinforced shoes
ZAXIS210LCK....17 100 kg (37 700 lb)with 600 mm (24") Reinforced shoes

ZAXIS210H / ZAXIS210LCH (Heavy-duty version):

Equipped with 5.68 m (18'8") H-boom, 2.91 m (9'7") H-arm, and 0.80 m³ (1.05 yd³: PCSA heaped) H-bucket.

	Shoe width	Operating wight	Ground pressure
ZAXIS210H	Reinforced Triple grouser 600 mm (24")	20 300 kg (44 800 lb)	45 kPa (0.46 kgf/cm², 6.54 psi)
ZAXIS210LCH		20 800 kg (45 900 lb)	43 kPa (0.44 kgf/cm², 6.26 psi)

ZAXIS210K / ZAXIS210LCK (Demolition version):

Equipped with 5.68 m (18'8") K-boom, 2.91 m (9'7") K-arm, and 0.80 m³ (1.05 yd³: PCSA heaped) K-bucket.

	Shoe width	Operating wight	Ground pressure
ZAXIS210K	Reinforced Triple grouser 600 mm (24")	21 300 kg (47 700 lb)	48 kPa (0.49 kgf/cm², 7.00 psi)
ZAXIS210LCK		21 800 kg (48 100 lb)	45 kPa (0.46 kgf/cm², 6.54 psi)

SERVICE REFILL CAPACITIES

	liters	US gal	Imp gal
Fuel tank	360.0	95.1	79.2
Engine coolant	23.0	6.1	5.1
Engine oil	25.0	6.6	5.5
Swing mechanism	6.2	1.6	1.4
Travel final device (each side)	6.8	1.8	1.5
Hydraulic system	200.0	52.8	44.0
Hydraulic tank	135.0	35.7	29.7

BACKHOE ATTACHMENTS

Boom and arms are of welded, box-section design. 5.68 m (18'8") boom, and 2.22 m (7'3"), 2.91 m (9'7") and 4.41 m (14'6")* arms are available. Bucket is of welded steel structure. Side clearance adjust mechanism provided on the bucket joint bracket.

* 2.91 m (9'7") arm + 1.50 m (4'11") extension arm

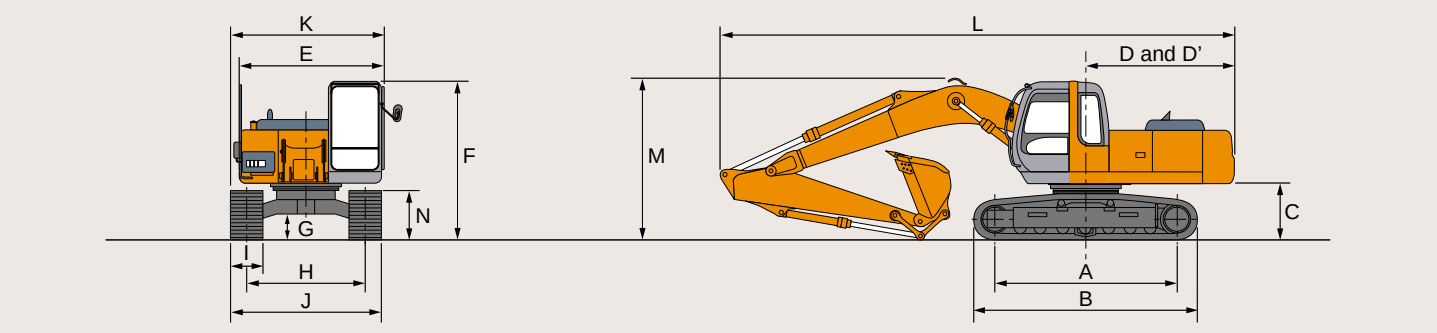
Buckets

Capacity		Width		No. of teeth	Weight	Recommendation							
						ZAXIS200			ZAXIS200LC			ZAXIS210H ZAXIS210LCH	ZAXIS210K ZAXIS210LCK
PCSA heaped	CECE heaped	Without side cutters	With side cutters			2.22 m (7'3") arm	2.91 m (9'7") arm	4.41 m*5 (14'6") arm	2.22 m (7'3") arm	2.91 m (9'7") arm	4.41 m*5 (14'6") arm	2.91 m (9'7") H-arm	2.91 m (9'7") K-arm
0.51 m³ (0.67 yd³)	0.45 m³	720 mm (28")	850 mm (33")	3	530 kg (1 170 lb)	◎	◎	○	◎	◎	○	◎ ◎	◎ ◎
0.80 m³ (1.05 yd³)	0.70 m³	1 030 mm (41")	1 140 mm (45")	5	670 kg (1 480 lb)	◎	◎	—	◎	◎	—	◎ ◎	◎ ◎
* 0.80 m³ (1.05 yd³)	0.70 m³	1 030 mm (41")	1 140 mm (45")	5	670 kg (1 480 lb)	◎	◎	—	◎	◎	—	◎ ◎	◎ ◎
0.91 m³ (1.19 yd³)	0.80 m³	1 150 mm (45")	1 280 mm (50")	5	720 kg (1 590 lb)	◎	○	—	◎	◎	—	○ ◎	○ ◎
1.10 m³ (1.44 yd³)	0.90 m³	1 330 mm (52")	1 460 mm (58")	6	780 kg (1 720 lb)	□	—	—	□	○	—	— ○	— ○
1.20 m³ (1.57 yd³)	1.00 m³	1 450 mm (57")	—	6	690 kg (1 520 lb)	□	—	—	□	—	—	— —	— —
*1 0.80 m³ (1.05 yd³)	0.70 m³	1 030 mm (41")	1 140 mm (45")	5	770 kg (1 700 lb)	◎	◎	—	◎	◎	—	◎ ◎	◎ ◎
*2 0.80 m³ (1.05 yd³)	0.70 m³	1 030 mm (41")	1 140 mm (45")	5	770 kg (1 700 lb)	◎	◎	—	◎	◎	—	◎ ◎	◎ ◎
*3 0.80 m³ (1.05 yd³)	0.70 m³	1 030 mm (41")	1 140 mm (45")	5	770 kg (1 700 lb)	◎	◎	—	◎	◎	—	◎ ◎	◎ ◎
*4 0.80 m³ (1.05 yd³)	0.70 m³	1 030 mm (41")	1 140 mm (45")	5	770 kg (1 700 lb)	◎	◎	—	◎	◎	—	◎ ◎	◎ ◎
*1 0.91 m³ (1.19 yd³)	0.80 m³	1 150 mm (45")	1 280 mm (50")	5	830 kg (1 830 lb)	◎	○	—	◎	◎	—	○ ◎	○ ◎
Ripper bucket: 0.60 m³ (0.78 yd³: CECE heaped), Width 800 mm (31")				3	950 kg (2 090 lb)	●	—	—	●	—	—	— —	— —
One-point ripper				1	540 kg (1 190 lb)	●	—	—	●	—	—	— —	— —
Clamshell bucket: 0.60 m³ (0.78 yd³: CECE heaped), Width 940 mm (37")				8	1 130 kg (2 490 lb)	◎	◎	—	◎	◎	—	◎ ◎	◎ ◎
Slope-finishing blade: Width 1 100 mm (43"), length 1 800 mm (71")					590 kg (1 300 lb)	◇	◇	—	◇	◇	—	◇ ◇	— —

* Level-pin-type bucket
*1 Reinforced bucket
*2 Level-pin-type reinforced bucket
*3 Super V teeth type reinforced bucket
*4 H-bucket
*5 2.91 m (9'7") arm + 1.50 m (4'11") extension arm

◎ Suitable for materials with density of 1 800 kg/m³ (3 030 lb/yd³) or less
○ Suitable for materials with density of 1 600 kg/m³ (2 700 lb/yd³) or less
□ Suitable for materials with density of 1 100 kg/m³ (1 850 lb/yd³) or less
● Heavy-duty service
◇ Slope-finishing service
— Not applicable

DIMENSIONS

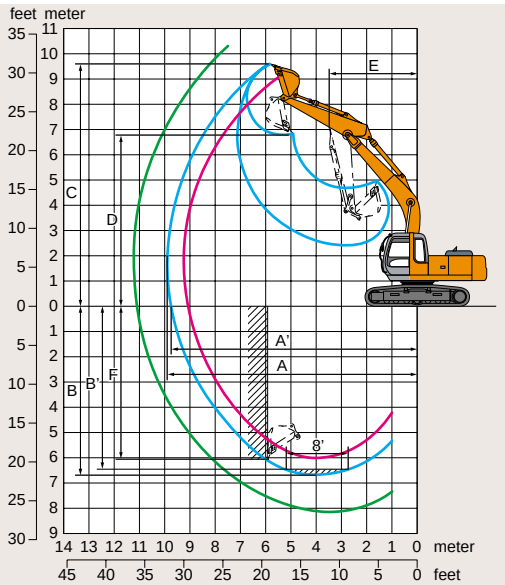


Unit: mm (ft in)

		ZAXIS200	ZAXIS200LC	ZAXIS210H	ZAXIS210LCH	ZAXIS210K	ZAXIS210LCK
A	Distance between tumbles			3 370 (11'1")	3 660 (12'0")		
B	Undercarriage length			4 170 (13'8")	4 460 (14'8")		
*C	Counterweight clearance			1 030 (3'5")	1 030 (3'5")		
D	Rear-end swing radius			2 750 (9'0")	2 750 (9'0")		
D'	Rear-end length			2 750 (9'0")	2 750 (9'0")		
E	Overall width of upperstructure			2 710 (8'11")	2 710 (8'11")		
F	Overall height of cab	2 950 (9'8")		2 950 (9'8")		3 080 (10'1")	3 080 (10'1")
*G	Min. ground clearance			450 (1'6")	450 (1'6")		
H	Track gauge			2 200 (7'3")	2 390 (7'10")		
I	Track shoe width			G 600 (24")	G 600 (24")		
J	Undercarriage width			2 800 (9'2")	2 990 (9'10")		
K	Overall width			2 860 (9'5")	2 990 (9'10")		
L	Overall length						
	With 2.22 m (7'3") arm	9 620 (31'7")	9 620 (31'7")		—		—
	With 2.91 m (9'7") arm	9 500 (31'2")	9 500 (31'2")		**9 500 (31'2")		**9 500 (31'2")
	With 4.41 m (14'6") arm	9 460 (31'10")	9 460 (31'10")		—		—
M	Overall height of boom						
	With 2.22 m (7'3") arm	3 130 (10'3")	3 130 (10'3")		—		—
	With 2.91 m (9'7") arm	2 970 (9'9")	2 970 (9'9")		**2 970 (9'9")		**2 970 (9'9")
	With 4.41 m (14'6") arm	3 550 (11'8")	3 550 (11'8")		—		—
N	Track height						
	With triple grouser shoes			900 (2'11")	900 (2'11")		

* Excluding track shoe lug. G: Triple grouser shoe
** Equipped with H-front

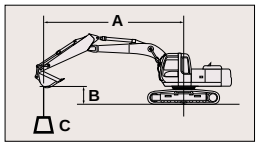
WORKING RANGES



Unit: mm (ft in)

		ZAXIS200 / ZAXIS200LC			ZAXIS210H / ZAXIS210LCH	ZAXIS210H / ZAXIS210LCH
Arm length		2.22 m (7'3")	2.91 m (7'3")	4.41 m (14'6")*	5.68 m (18'8") H-boom 2.91 m (9'7") H-arm	5.68 m (18'8") K-boom 2.91 m (9'7") K-arm
A	Max. digging reach	9 250 (30'4")	9 910 (32'6")	11 260 (36'11")	9 910 (32'6")	
A'	Max. digging reach (on ground)	9 080 (29'9")	9 750 (32'0")	11 100 (36'5")	9 750 (32'0")	
B	Max. digging depth	5 980 (19'7")	6 670 (21'11")	8 160 (26'9")	6 670 (21'11")	
B'	Max. digging depth (8' level)	5 740 (18'10")	6 490 (21'4")	8 030 (26'4")	6 490 (21'4")	
C	Max. cutting height	9 170 (30'1")	9 600 (31'6")	10 220 (33'6")	9 600 (31'6")	
D	Max. dumping height	6 390 (21'0")	6 780 (22'3")	7 410 (24'4")	6 780 (22'3")	
E	Min. swing radius	3 530 (11'7")	3 540 (11'7")	3 540 (11'7")	3 540 (11'7")	
F	Max. vertical wall	5 140 (16'10")	6 050 (19'10")	7 540 (24'9")	6 050 (19'10")	
Bucket digging force**	ISO	151 kN (15 400 kgf , 34 000 lbf)				
	SAE : PCSA	129 kN (13 200 kgf , 29 1000 lbf)				
Arm crowd force**	ISO	136 kN (13 900 kgf, 30 600 lbf)	109 kN (11 100 kgf, 24 500 lbf)	80 kN (8 200 kgf, 17 900 lbf)	109 kN (11 100 kgf, 24 500 lbf)	
	SAE : PCSA	131 kN (13 400 kgf, 29 500 lbf)	102 kN (10 400 kgf, 22 900 lbf)	78 kN (8 000 kgf, 17 500 lbf)	102 kN (10 400 kgf, 22 900 lbf)	

Excluding track shoe lug * 2.91 m (9'6") arm + 1.50 m (4'11") extension arm ** At power boost



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

METRIC MEASURE

ZAXIS200

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

Conditions	Load point height	Load radius 3 m		4 m		5 m		6 m		7 m		8 m		At max. reach		
																meter
Boom 5.68 m Arm 2.22 m Bucket PCSA : 0.80 m³ CECE : 0.70 m³ Shoe 600 mm	6 m							4.08	*4.34					2.50	*3.90	7.88
	4 m			*6.69	*6.69	5.24	*5.58	3.88	4.99	2.97	4.66			1.99	3.21	8.69
	2 m					4.65	7.63	3.55	5.70	2.77	4.45	2.20	3.57	1.82	2.99	8.90
	0 (Ground)					4.34	7.27	3.31	5.44	2.62	4.28	2.11	3.47	1.89	3.12	8.59
	−2 m			6.19	*10.1	4.31	7.24	3.26	5.38	2.58	4.24			2.30	3.75	7.65
	−4 m	10.6	*10.6	6.40	*8.96	4.47	7.41	3.40	5.54							

Conditions	Load point height	Load radius 3 m		4 m		5 m		6 m		7 m		8 m		At max. reach		
																meter
Boom 5.68 m Arm 2.91 m Bucket PCSA : 0.80 m³ CECE : 0.70 m³ Shoe 600 mm	6 m									3.12	*3.79			2.10	*2.38	8.64
	4 m					*4.69	*4.69	3.96	*4.34	3.02	*4.14	2.33	3.71	1.71	*2.39	9.37
	2 m			6.67	*9.43	4.79	*6.95	3.61	*5.71	2.80	4.48	2.21	3.58	1.56	*2.55	9.57
	0 (Ground)			6.10	7.80	4.37	7.30	3.32	5.45	2.60	4.27	2.08	3.44	1.61	2.71	9.28
	−2 m	*7.90	*7.90	6.07	10.6	4.25	7.17	3.20	5.32	2.51	4.17	2.03	3.39	1.90	3.16	8.43
	−4 m	10.3	*12.4	6.22	*9.97	4.33	7.27	3.26	5.39							

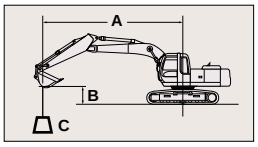
ZAXIS200LC

Unit: 1 000 kg

Conditions	Load point height	Load radius 3 m		4 m		5 m		6 m		7 m		8 m		At max. reach		
																meter
Boom 5.68 m Arm 2.22 m Bucket PCSA : 0.80 m³ CECE : 0.70 m³ Shoe 600 mm	6 m							*4.34	*4.34					2.81	*3.90	7.88
	4 m			*6.69	*6.69	*5.58	*5.58	4.34	*4.99	3.33	*4.68			2.26	3.68	8.69
	2 m					5.26	*7.77	4.00	*6.26	3.14	5.12	2.50	4.11	2.08	3.44	8.90
	0 (Ground)					4.94	8.48	3.76	6.30	2.98	4.94	2.41	4.01	2.16	3.59	8.59
	−2 m			7.07	*10.1	4.91	8.45	3.71	6.24	2.94	4.90			2.62	4.33	7.65
	−4 m	*10.6	*10.6	7.29	*8.96	5.07	*7.44	3.85	*5.98							

Conditions	Load point height	Load radius 3 m		4 m		5 m		6 m		7 m		8 m		At max. reach		
																meter
Boom 5.68 m Arm 2.91 m Bucket PCSA : 0.80 m³ CECE : 0.70 m³ Shoe 600 mm	6 m									3.49	*3.79			2.38	*2.38	8.64
	4 m					*4.69	*4.69	*4.34	*4.34	3.38	*4.14	2.64	*4.05	1.95	*2.39	9.37
	2 m			7.57	*9.43	5.40	*6.95	4.07	*5.71	3.16	*4.99	2.51	4.12	1.80	*2.55	9.57
	0 (Ground)			6.99	*7.80	4.97	8.52	3.77	6.31	2.96	4.93	2.38	3.98	1.86	*2.91	9.28
	−2 m	*7.90	*7.90	6.95	*11.4	4.85	8.38	3.65	6.18	2.88	4.83	2.33	3.92	2.18	*3.61	8.43
	−4 m	11.9	*12.4	7.11	*9.97	4.93	*8.11	3.71	6.25							

Notes: 1. Ratings are based on SAE J1097.
2. Lifting capacity of the ZAXIS Series does not exceed 75% of tipping load with hte 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.



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

METRIC MEASURE

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

ZAXIS210H

Conditions	Load point height	Load radius 3 m		4 m		5 m		6 m		7 m		8 m		At max. reach		
																meter
H-boom 5.68 m	6 m									3.23	*3.65			2.16	*2.28	8.64
H-arm 2.91 m	4 m					*4.56	*4.56	4.11	*4.21	3.12	*4.00	2.40	3.83	1.74	*2.29	9.37
H-bucket	2 m			6.98	*9.27	5.00	*6.80	3.75	*5.57	2.89	4.64	2.27	3.69	1.60	*2.45	9.57
PCSA : 0.80 m³	0 (Ground)			6.39	*7.64	4.55	7.60	3.45	5.66	2.69	4.42	2.14	3.55	1.64	2.78	9.28
CECE : 0.70 m³	−2 m	*7.75	*7.75	6.36	11.1	4.43	7.46	3.33	5.53	2.60	4.32	2.09	3.50	1.95	3.26	8.43
Shoe 600 mm	−4 m	10.8	*12.3	6.52	*9.80	4.52	7.57	3.39	5.60							

ZAXIS210LCH

Conditions	Load point height	Load radius 3 m		4 m		5 m		6 m		7 m		8 m		At max. reach		
																meter
H-boom 5.68 m	6 m									3.61	*3.65			*2.28	*2.28	8.64
H-arm 2.91 m	4 m					*4.56	*4.56	*4.21	*4.21	3.50	*4.00	2.71	*3.91	2.00	*2.29	9.37
H-bucket	2 m			7.91	*9.27	5.63	*6.80	4.22	*5.57	3.27	*4.84	2.58	4.24	1.84	*2.45	9.57
PCSA : 0.80 m³	0 (Ground)			7.31	*7.64	5.17	*8.48	3.91	6.55	3.06	5.10	2.45	4.10	1.90	*2.81	9.28
CECE : 0.70 m³	−2 m	*7.75	*7.75	7.27	*11.2	5.05	8.72	3.79	6.41	2.97	5.00	2.40	4.05	2.24	*3.52	8.43
Shoe 600 mm	−4 m	*12.3	*12.3	7.44	*9.80	5.14	*7.95	3.85	6.48							

ZAXIS210K

Conditions	Load point height	Load radius 3 m		4 m		5 m		6 m		7 m		8 m		At max. reach		
																meter
K-boom 5.68 m	6 m									*3.32	*3.32			*2.25	*2.25	8.64
K-arm 2.91 m	4 m							*3.85	*3.85	3.43	*3.65	2.66	*3.56	1.95	*2.26	9.37
K-bucket	2 m			7.64	*8.58	5.48	*6.27	4.12	*5.11	3.20	*4.43	2.52	4.01	1.80	*2.42	9.57
PCSA : 0.80 m³	0 (Ground)			7.05	*7.60	5.03	*7.83	3.82	6.17	2.99	4.82	2.39	3.89	1.85	*2.78	9.28
CECE : 0.70 m³	−2 m	*7.68	*7.68	7.01	*10.4	4.91	8.13	3.69	6.03	2.90	4.72	2.34	3.83	2.19	*3.49	8.43
Shoe 600 mm	−4 m	*11.3	*11.3	7.17	*9.05	5.00	*7.32	3.75	*5.96	2.98	*4.74			3.23	*4.21	6.79

ZAXIS210LCK

Conditions	Load point height	Load radius 3 m		4 m		5 m		6 m		7 m		8 m		At max. reach		
																meter
K-boom 5.68 m	6 m									*3.32	*3.32			*2.25	*2.25	8.64
K-arm 2.91 m	4 m							*3.85	*3.85	*3.65	*3.65	2.99	*3.56	2.22	*2.26	9.37
K-bucket	2 m			*8.58	*8.58	6.15	*6.27	4.62	*5.11	3.59	*4.43	2.85	*4.01	2.06	*2.42	9.57
PCSA : 0.80 m³	0 (Ground)			*7.60	*7.60	5.69	*7.83	4.31	*6.20	3.39	*5.18	2.72	4.47	2.12	*2.78	9.28
CECE : 0.70 m³	−2 m	*7.68	*7.68	7.98	*10.4	5.56	*8.16	4.18	*6.59	3.29	5.44	2.67	4.41	2.49	*3.49	8.43
Shoe 600 mm	−4 m	*11.3	*11.3	8.14	*9.05	5.65	*7.32	4.25	*5.96	3.37	*4.74			3.64	*4.21	6.79

Notes: 1. Ratings are based on SAE J1097.
2. Lifting capacity of the ZAXIS Series does not exceed 75% of tipping load with hte 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.

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
- Dry-type air filter with evacuator valve (with safety element)
- Cartrige-type engine oil filter
- Cartrige-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) cab

All-weather sound-suppressed steel cab equipped with reinforced, tinted (bronze color) grass windows, 4 fluid-filled elastic mounts, openable front windows-upper, and lower and left side windows with 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, heater, pilot control shut-off lever and 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, engine oil level, engine coolant level, hydraulic oil level, 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 (9 370 lb) counterweight
- Fuel level float
- Hydraulic oil level gauge
- Tool box
- Utility space
- Reaview mirror (right & left side)
- Swing parking brake

UNDERCARRIAGE
- Travel parking brake
- Travel motor covers
- Track guards and hydraulic track adjuster
- Bolt-on sprocket
- Upper rollers and lower rollers
- Reinforced track links with pin seals
- 600 mm (24") 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
- 2.91 m (9'7") arm
- 0.80 m^3 (1.05 yd^3 : 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

ZAXIS210H / ZAXIS210LCH (Heavy-duty version)
- H-boom 5.68 m (18'8") and H-arm 2.91 m (9'7")
- Damage prevention plate and square bars
- 0.80 m^3 (1.05 yd^3 : PCSA heaped) H-reinforced bucket
- Reinforced link B
- Front glass lower guard
- 4.5 mm (0.18") thickness undercover
- 4 650 kg (10 300 lb) heavier counterweight
- 600 mm (24") reinforced triple grouser shoe
- Reinforced track guard (2 units each side)
- Reinforced side steps (bolt mounted)
- Air cleaner double filters

ZAXIS210K / ZAXIS210LCK (Demolition version)
- K-cab (CRES cab with overhead window and guard)
- K-boom 5.68 m (18'8") and K-arm 2.91 m (9'7")
- 0.80 m^3 (1.05 yd^3 : PCSA heaped) K-reinforced bucket
- Reinforced link B for demolition
- Reinforced bucket cylinder
- Front glass lower guard
- Attachment basic piping
- Damage prevention plate
- 6.0 mm (0.24") thickness undercover
- Track undercover
- Reinforced side step (bolt mounted)
- 600 mm (24") reinforced triple grouser shoe
- 5 250 kg (11 600 lb) heavier counterweight
- High-performance full-flow filter (with restriction indicator)
- Air cleaner double filters

OPTIONAL EQUIPMENT

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

- Auto control air conditioner
- Suspension seat
- Hose rupture valves
- Electric fuel refilling pump
- Swing motion alarm device with lamps
- Travel motion alarm device
- Additional pump
- Auto-lubrication system
- Pre-cleaner
- Fuel double filters
- Air cleaner double filters
- Tropical cover
- Large-capacity battery
- Attachment basic piping
- Accessaries for breaker
- Accessaries for breaker & crusher
- Accessaries for 2 speed selector
- Small swing radius bracket (only ZAXIS210K & ZAXIS210LCK)
- 400 kg (880 lb) added heavier counterweight
- Front grass lower guard
- Front grass upper guard
- K-cab (CRES cab with overhead window and guard)
- 600 mm (24") reinforced triple grouser shoes
- Reinforced track guard (2 units each side)
- Full track guard

Comparative information based on current Japan domestic model.
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.

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