

A large orange Hitachi excavator is shown in a field, dumping a load of soil from its bucket. The excavator's arm is extended, and the bucket is tilted, creating a large pile of earth. The background features a clear blue sky with light clouds and some sparse vegetation. The excavator's body is marked with "HITACHI" on the boom and "ZAVIS 210LC-6" on the side of the chassis. The tracks are visible at the bottom of the frame.

HITACHI

Reliable solutions

ZX210-6
ZX210LC-6

UTILITY EXCAVATORS



POWERFUL PERFORMANCE. PROVEN PRODU

The ZX210-6 and ZX210LC-6 feature a number of productivity-boosting advantages. A fuel-efficient EPA Final Tier 4 (FT4)/EU Stage IV Isuzu engine meets rigid emission standards – no diesel particulate filter (DPF) needed. You also get an upgraded, wider cab and premium seat options for maximum comfort. Programmable attachment modes and optional auxiliary hydraulic lines for versatility. Easy-to-operate controls for smooth operation. And efficient, accessible features like a battery disconnect switch, standard pattern-control switch and fuel shut off.

These workhorses put

■ **PRODUCTIVITY**
ON YOUR SIDE.

ZX210-6
ZX210LC-6

CTIVITY.





EFFICIENT FUEL SYSTEM

The pressurized fuel system improves fuel injector operation, and the fuel recirculation system helps prevent fuel gelling in cold climates – so you can maintain maximum productivity.

POWER BOOST

Muscle through tough digging by pressing the power-boost button.

HIOS III HYDRAULIC SYSTEM

The HIOS III hydraulic system balances engine performance with hydraulic flow – returning the arm to dig faster.

AUXILIARY LINES

Optional auxiliary hydraulic lines with combination piping increase machine versatility.

ZX210-6
ZX210LC-6

FULLY INTEGRATED. PROFITABLE PRECISION.

Imagine your best operators made even better with Hitachi's grade management solutions. Choose from Solution Linkage 2D or 3D Grade Control, or opt for Solution Linkage 2D or 3D Grade Guidance with easy paths for future upgrades. These excavator technology options offer efficiency for your crew and factory-integrated precision - backed by your Hitachi dealer, ready to work on day one.

With these excavators, jobs stay
■ **MOVING AHEAD,
NEVER BEHIND.**

MEASURABLE RESULTS

Our grade management solutions help reduce labor, enhance speed and reduce the potential for rework compared to excavators without grade-management technology.

SOLUTION LINKAGE GRADE CONTROL

Fully integrated Grade Control provides 3D control. The operator controls the arm as the machine automatically controls the boom and bucket. Additional features include overdig protection, virtual fence and in-cab real-time distance to target.

SOLUTION LINKAGE GRADE GUIDANCE

2D or 3D Grade Guidance options arm operators with elevation and position of bucket cutting-edge relative to target plane (2D) or design surface (3D). Indication of distance to grade is in real time. Upgradeable to automatic control.

FULL INTEGRATION

Solution Linkage is fully integrated from the monitor in the cab, to the components on the machine. Wire harnesses are thoughtfully routed and sensors are covered and protected from damage.



ZX210-6
ZX210LC-6

COMFORTABLE CAB. FOCUSED OPERATORS.

The ZX210-6 and ZX210LC-6 keep operators comfortable and focused on the job. A wider cab and premium seat options provide maximum comfort. A multifunction LCD monitor, enhanced visibility, low-effort joysticks and more contribute to daily productivity.

Take a seat in these excavators for
**COMFORTABLE
PRODUCTIVITY.**



SIMPLE MONITORING

Multi-language LCD monitor and rotary dial provide intuitive access to machine info and functions. Just turn and tap to select work modes, monitor maintenance intervals, check diagnostic codes and set cab temperature. A USB port keeps you digitally connected.



SMOOTH OPERATION

Ergonomically correct short-throw pilot levers provide smooth, precise control with less effort. Pushbuttons in the right lever allow control of auxiliary hydraulic flow for attachments. Optional sliding switch provides proportional speed control, giving you full command from your fingertips.



ALL-AROUND VISIBILITY

Get unobstructed all-around visibility thanks to a new hood design paired with a wide expanse of front, side and overhead glass and mirrors.



EXTRA LIGHTING

Optional cab and right-side boom lights provide extra illumination to extend your production.



SINGLE-PEDAL PROPEL

An optional, hydraulic, single-pedal propel system allows straight-line machine tracking without articulating both hand and foot pedals.

PROGRAMMABLE ATTACHMENT MODE

Toggle between attachments and adjust flow and pressure based on attachment requirements right in the monitor.

CLIMATE CONTROL

Automatic, high-velocity bi-level climate-control system with automotive-style adjustable louvers helps keep the glass clear, the cab comfortable and the operator productive.

PREMIUM SEATING

Operators get maximum support from a sculpted mechanical suspension high-back seat. For ultimate comfort, opt for the premium heated/cooled leather seat that adjusts three ways and includes a 3-inch high-visibility orange seat belt.



AUTO-IDLE & AUTO-SHUTDOWN

Auto-idle, which reduces engine speeds to 800 rpm, and auto-shutdown contribute to fuel efficiency.

ACCESSIBLE DESIGN

The standard pattern-control switch, battery disconnect switch and fuel shutoff are easily accessible in the rear door behind the cab. A composite battery cover does not require tools to remove and allows for improved access to battery service.

NO DPF NEEDED

The FT4 engine solution does not require a DPF, saving service time and lowering operating costs.

ENGINE AIR PRE-CLEANER

An optional, adjustable, rotary pre-cleaner pulls clean air into the engine when working in tough conditions.

MINIMIZE MAINTENANCE. MAXIMIZE UPTIME.

Maintenance is minimized with the ZX210-6 and ZX210LC-6 — from grouped service points to at-a-glance gauges. No diesel particulate filter (DPF) is needed with the FT4 engine solution. Convenient upperstructure handrails provide easy engine access. Extended service intervals help maximize uptime. Scheduled maintenance is easy to track using ZXLink™ and the in-cab diagnostic monitor.

Simple servicing leads to ■ LOWER OPERATING COSTS.



MONITOR LEVELS

Easy-to-navigate LCD monitor tracks various fluid levels and issues scheduled maintenance alerts and diagnostic information.



CENTRALIZED SERVICING

Centralized lube banks place zerks within easy reach, making greasing less messy and time-consuming.



GROUND-LEVEL CHECKS

Engine oil, fuel and hydraulic pilot oil filters are all located on the same side at ground level for easy servicing.



SAFE ACCESSIBILITY

Upperstructure handrails provide added safety when servicing the engine compartment, and a larger hood gives you better engine accessibility.

ZX210-6
ZX210LC-6

TOUGHNESS BUILT-IN, DOWNTIME TOSSED OUT.

Tough jobs are no match for the ZX210-6 and ZX210LC-6. They're protected by a heavy-duty undercarriage and durable D-channel side frames. Added strength comes from welded bulkheads within the boom that resist torsional stress, tungsten-carbide thermal-coated arm surfaces and oil-impregnated bushings. The boom, arm and mainframe are so tough, they're warranted for three years or 10,000 hours, whichever comes first.

These excavators give you
■ **DEPENDABLE DURABILITY.**



TOUGH SIDE FRAMES

Reinforced D-channel side frames provide maximum cab and component impact protection.



PROTECTED JOINTS

Tungsten-carbide coated wear surfaces protect the critical bucket-to-arm joint.



ROCK-SOLID DURABILITY

Thick-plate single-sheet mainframe, box-section track frames and double-seal swing bearing deliver rock-solid durability.





FT4 TECHNOLOGY

Our FT4 field-proven technology is simple and efficient, employing cooled exhaust gas recirculation (EGR), a diesel oxidation catalyst (DOC) and selective catalytic reduction (SCR). An improved piston design allows particulate matter to be burned in cylinder, so there's no need for a diesel particulate filter (DPF).

ADDED UNDERCOVERS

Standard main frame undercovers and an optional track frame undercover provide an extra layer of protection.

LONG-TERM UNDERCARRIAGE

With large idlers, rollers and strutted track links, the sealed and lubricated undercarriage is built for the long haul.

CLEAN OPERATION

Dust screen prevents plugging, providing increased reliability.

SPECIFICATIONS

ZX210-6 ZX210LC-6

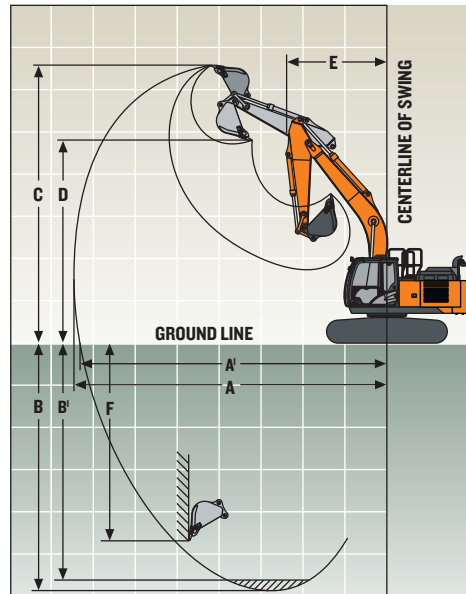
Engine		ZX210-6 / ZX210LC-6	
Manufacturer and Model	Isuzu 4HK1		
Non-Road Emission Standards	EPA Final Tier 4 / EU Stage IV		
Net Rated Power (ISO 9249)	119 kW (160 hp) @ 2,000 rpm		
Cylinders	4		
Displacement	5.19 L (317 cu in.)		
Off-Level Capacity	70% (35 deg.)		
Aspiration	Turbocharged, air-to-air charge-air cooler		
Cooling			
High-efficiency, direct-driven, suction-type fan			
Powertrain			
2-speed propel with automatic shift			
Maximum Travel Speed			
Low	3.5 km/h (2.2 mph)		
High	5.5 km/h (3.4 mph)		
Drawbar Pull	20 700 kg (45,636 lb.)		
Hydraulics			
Open center, pilot controlled			
Main Pumps	2 variable-displacement axial piston pumps		
Maximum Rated Flow	212 L/m (56 gpm) x 2		
Pilot Pump	1 gear		
Maximum Rated Flow	30.0 L/m (7.9 gpm)		
Pressure Setting	4000 kPa (580 psi)		
System Operating Pressure			
Circuits			
Implement	34 300 kPa (4,975 psi)		
Travel	35 500 kPa (5,149 psi)		
Swing	33 300 kPa (4,830 psi)		
Power Boost	38 000 kPa (5,511 psi)		
Controls	Pilot levers, short-stroke, low-effort hydraulic pilot controls with shutoff lever		
Cylinders			
	Bore	Rod Diameter	Stroke
Boom (2)	120 mm (4.7 in.)	85 mm (3.3 in.)	1260 mm (49.6 in.)
Arm (1)	135 mm (5.3 in.)	95 mm (3.7 in.)	1475 mm (58.1 in.)
Bucket (1)	115 mm (4.5 in.)	80 mm (3.1 in.)	1060 mm (41.7 in.)
Electrical			
Number of Batteries (12 volt)	2		
Battery Capacity	1,000 CCA		
Alternator Rating	50 amp		
Work Lights	2 halogen (1 mounted on boom, 1 on frame)		
Undercarriage	ZX210-6	ZX210LC-6	
Rollers (each side)			
Carrier	2	2	
Track	7	8	
Shoes, Triple Semi-Grouser (each side)	46	49	
Track			
Adjustment	Hydraulic	Hydraulic	
Guides	Center	Center	
Chain	Sealed and lubricated	Sealed and lubricated	

Ground Pressure		
	ZX210-6	ZX210LC-6
600-mm (24 in.) Triple Semi-Grouser Shoes	37.3 kPa (5.41 psi)	34.0 kPa (4.93 psi)
700-mm (28 in.) Triple Semi-Grouser Shoes	42.0 kPa (6.09 psi)	38.9 kPa (5.64 psi)
800-mm (32 in.) Triple Semi-Grouser Shoes	48.2 kPa (6.99 psi)	43.9 kPa (6.37 psi)
Swing Mechanism		
Speed	13.3 rpm	
Torque	68 900 Nm (50,662 lb.-ft.)	
Serviceability		
Refill Capacities		
Fuel Tank	403 L (106 gal.)	
Diesel Exhaust Fluid (DEF) Tank	57 L (15 gal.)	
Cooling System	28 L (30 qt.)	
Engine Oil with Filter	23 L (24 qt.)	
Hydraulic Tank	135 L (36 gal.)	
Hydraulic System	240 L (63 gal.)	
Gearbox		
Swing	6.2 L (6.6 qt.)	
Propel (each)	7.8 L (8.2 qt.)	
Pump Drive	1.0 L (1.1 qt.)	
Operating Weights		
	ZX210-6	ZX210LC-6
With full fuel tank; 79-kg (175 lb.) operator; 1065-mm (42 in.), 0.91-m ³ (1.19 cu. yd.), 886-kg (1,951 lb.) general-purpose bucket; 2.91-m (9 ft. 7 in.) arm; 4250-kg (9,370 lb.) counterweight		
Operating Weight		
600-mm (24 in.) Triple Semi-Grouser Shoes	20 862 kg (45,993 lb.)	21 268 kg (46,888 lb.)
700-mm (28 in.) Triple Semi-Grouser Shoes	21 202 kg (46,742 lb.)	21 658 kg (47,748 lb.)
800-mm (32 in.) Triple Semi-Grouser Shoes	21 501 kg (47,402 lb.)	21 971 kg (48,438 lb.)
Optional Components		
Undercarriage with Triple Semi-Grouser Shoes		
600-mm (24 in.)	6929 kg (15,262 lb.)	7335 kg (16,156 lb.)
700-mm (28 in.)	7269 kg (16,011 lb.)	7725 kg (17,015 lb.)
800-mm (32 in.)	7568 kg (16,670 lb.)	8038 kg (17,705 lb.)
One-Piece Boom (with arm cylinder)		
	1731 kg (3,813 lb.)	1731 kg (3,813 lb.)
Arm with Bucket Cylinder and Linkage		
2.42 m (7 ft. 3 in.)	935 kg (2,059 lb.)	935 kg (2,059 lb.)
2.91 m (9 ft. 7 in.)	1001 kg (2,205 lb.)	1001 kg (2,205 lb.)
Boom Lift Cylinders (2) Total Weight		
	354 kg (780 lb.)	354 kg (780 lb.)

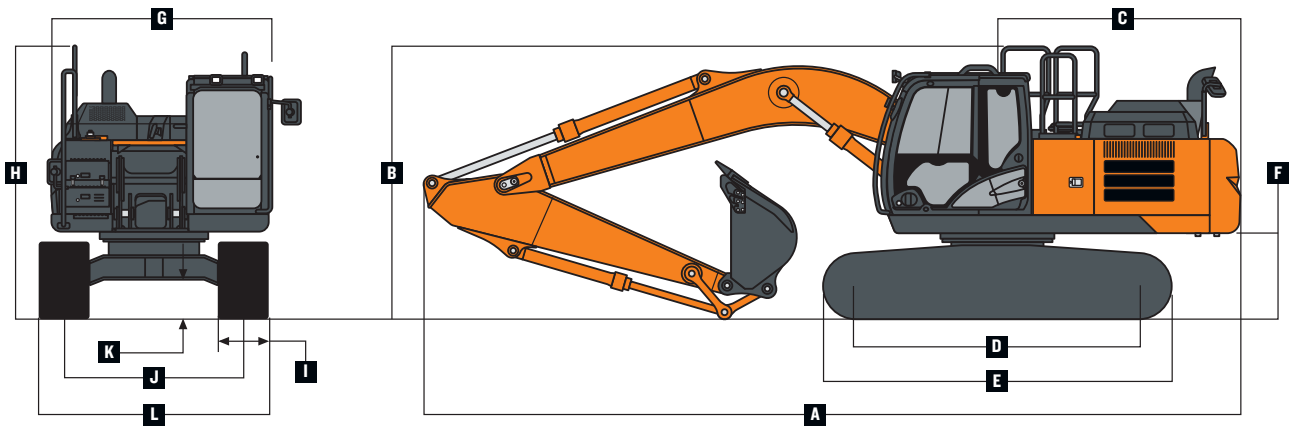
SPECIFICATIONS

ZX210-6 ZX210LC-6

Operating Dimensions	ZX210-6	ZX210LC-6
Arm Length	2.42 m (7 ft. 11 in.)	2.91 m (9 ft. 7 in.)
Arm Digging Force		
SAE	133 kN (29,900 lb.)	110 kN (24,729 lb.)
ISO	140 kN (31,743 lb.)	114 kN (25,628 lb.)
Bucket Digging Force		
SAE	141 kN (31,698 lb.)	141 kN (31,698 lb.)
ISO	158 kN (35,520 lb.)	158 kN (35,520 lb.)
A Maximum Reach	9.43 m (30 ft. 11 in.)	9.92 m (32 ft. 7 in.)
A1 Maximum Reach at Ground Level	9.25 m (30 ft. 4 in.)	9.75 m (32 ft.)
B Maximum Digging Depth	6.18 m (20 ft. 3 in.)	6.67 m (21 ft. 11 in.)
B1 Maximum Digging Depth at 2.44-m (8 ft.) Flat Bottom	5.95 m (19 ft. 6 in.)	6.50 m (21 ft. 4 in.)
C Maximum Cutting Height	9.67 m (31 ft. 9 in.)	10.04 m (32 ft. 11 in.)
D Maximum Dumping Height	6.83 m (22 ft. 5 in.)	7.18 m (23 ft. 7 in.)
E Minimum Swing Radius	3.18 m (10 ft. 5 in.)	3.18 m (10 ft. 5 in.)
F Maximum Vertical Wall	5.30 m (17 ft. 5 in.)	5.99 m (19 ft. 8 in.)



Machine Dimensions		ZX210-6	ZX210LC-6
A Overall Length	2.42-m (7 ft. 11 in.) arm	9.75 m (32 ft.)	9.75 m (32 ft.)
	2.91-m (9 ft. 7 in.) arm	9.53 m (31 ft. 3 in.)	9.66 m (31 ft. 8 in.)
B Overall Height	2.42-m (7 ft. 11 in.) arm	3.18 m (10 ft. 5 in.)	3.18 m (10 ft. 5 in.)
	2.91-m (9 ft. 7 in.) arm	3.01 m (9 ft. 11 in.)	3.01 m (9 ft. 11 in.)
C Rear-End Length/Swing Radius	2.89 m (9 ft. 6 in.)	2.89 m (9 ft. 6 in.)	
D Distance Between Idler/Sprocket Centerline	3.35 m (11 ft.)	3.66 m (12 ft.)	
E Undercarriage Length	4.17 m (13 ft. 8 in.)	4.47 m (14 ft. 8 in.)	
F Counterweight Clearance	1030 mm (3 ft. 5 in.)	1030 mm (3 ft. 5 in.)	
G Upperstructure Width	2.71 m (8 ft. 11 in.)	2.71 m (8 ft. 11 in.)	
H Cab Height	2.95 m (9 ft. 8 in.)	2.95 m (9 ft. 8 in.)	
I Track Width	600 mm (24 in.)	600 mm (24 in.)	
	w/ Triple Semi-Grouser Shoes	700 mm (28 in.)	700 mm (28 in.)
		800 mm (32 in.)	800 mm (32 in.)
J Gauge Width	2.22 m (7 ft. 3 in.)	2.39 m (7 ft. 10 in.)	
K Ground Clearance	450 mm (18 in.)	450 mm (18 in.)	
L Overall Width with Triple Semi-Grouser Shoes	600 mm (24 in.)	2.82 m (9 ft. 3 in.)	2.99 m (9 ft. 10 in.)
	700 mm (28 in.)	2.92 m (9 ft. 7 in.)	3.09 m (10 ft. 2 in.)
	800 mm (32 in.)	3.02 m (9 ft. 11 in.)	3.19 m (10 ft. 6 in.)



SPECIFICATIONS

ZX210-6 ZX210LC-6

Lift Charts

ZX210-6

Loadface type indicates hydraulically limited capacity; **lightface type** indicates stability-limited capacities, in kg (lb.). All lift capacities are based on ISO 10567 (with power boost). Ratings at bucket lift hook; machine equipped with standard counterweight and standard gauge; and situated on firm, uniform supporting surface. Total load includes weight of cables, hook, etc. Figures do not exceed 87 percent of hydraulic capacities or 75 percent of weight needed to tip machine.

Load Point Height	1.5 m (5 ft.)		3.0 m (10 ft.)		4.5 m (15 ft.)		6.0 m (20 ft.)		7.5 m (25 ft.)	
	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
Horizontal Distance from Centerline of Rotation										
With 2.42-m (7 ft. 11 in.) arm, 666-kg (1,468 lb.) bucket and 800-mm (32 in.) shoes										
6.0 m (20 ft.)							5170 (11,380)	4570 (9,800)		
4.5 m (15 ft.)					6760 (14,560)	6760 (14,560)	5650 (12,290)	4420 (9,510)		
3.0 m (10 ft.)			20,290	20,290	8630 (18,560)	6520 (14,080)	6460 (13,990)	4200 (9,040)	4620 (9,920)	2910 (6,240)
1.5 m (5 ft.)					10,140 (21,880)	6100 (13,150)	6420 (13,810)	3990 (8,590)	4510 (9,710)	2810 (6,050)
Ground Line					9980 (21,410)	5910 (12,730)	6270 (13,480)	3850 (8,300)	4450 (9,570)	2750 (5,920)
-1.5 m (-5 ft.)			9330 (21,390)	9330 (21,390)	9950 (21,360)	5890 (12,680)	6230 (13,400)	3820 (8,220)		
-3.0 m (-10 ft.)			12,640 (27,400)	11,810	9150 (19,750)	6000 (12,910)	6320 (13,620)	3900 (8,420)		
-4.5 m (-15 ft.)					6300 (13,030)	6280 (13,030)				
With 2.91-m (9 ft. 7 in.) arm, 666-kg (1,468 lb.) bucket and 600-mm (24 in.) shoes										
6.0 m (20 ft.)							4650 (10,210)	4530 (9,720)		
4.5 m (15 ft.)					6030 (13,010)	6030 (13,010)	5200 (11,310)	4370 (9,400)	4610 (9,890)	2940 (6,300)
3.0 m (10 ft.)					7950 (17,100)	6510 (14,040)	6070 (13,150)	4140 (8,910)	4500 (9,670)	2840 (6,100)
1.5 m (5 ft.)					9680 (20,880)	6030 (12,990)	6270 (13,480)	3910 (8,410)	4380 (9,420)	2730 (5,860)
Ground Line			4270 (9,330)	4270 (9,330)	9720 (20,860)	5770 (12,420)	6090 (13,090)	3740 (8,060)	4290 (9,220)	2640 (5,680)
-1.5 m (-5 ft.)	4900 (11,010)	4900 (11,010)	8520 (19,440)	8520 (19,440)	9630 (20,670)	5700 (12,250)	6010 (12,920)	3670 (7,910)	4260 (9,170)	2620 (5,640)
-3.0 m (-10 ft.)	9390 (21,140)	9390 (21,140)	13,810 (29,920)	11,360 (24,350)	9650 (20,830)	5760 (12,390)	6050 (13,020)	3710 (7,990)		
-4.5 m (-15 ft.)			10,680 (22,820)	10,680 (22,820)	7540 (16,000)	5960 (12,860)				
With 2.91-m (9 ft. 7 in.) arm, 666-kg (1,468 lb.) bucket and 700-mm (28 in.) shoes										
6.0 m (20 ft.)							4650 (10,210)	4600 (9,890)		
4.5 m (15 ft.)					6030 (13,010)	6030 (13,010)	5200 (11,310)	4450 (9,560)	4710 (10,090)	3000 (6,420)
3.0 m (10 ft.)					7950 (17,100)	6620 (14,280)	6070 (13,150)	4210 (9,070)	4600 (9,870)	2900 (6,220)
1.5 m (5 ft.)					9680 (20,880)	6140 (13,230)	6390 (13,750)	3980 (8,570)	4470 (9,620)	2790 (5,980)
Ground Line			4270 (9,330)	4270 (9,330)	9910 (21,270)	5980 (12,650)	6210 (13,360)	3820 (8,220)	4380 (9,420)	2700 (5,810)
-1.5 m (-5 ft.)	4900 (11,010)	4900 (11,010)	8520 (19,440)	8520 (19,440)	9830 (21,080)	5810 (12,490)	6130 (13,190)	3750 (8,070)	4350 (9,380)	2680 (5,760)
-3.0 m (-10 ft.)	9390 (21,140)	9390 (21,140)	13,810 (29,920)	11,560 (24,780)	9650 (20,840)	5870 (12,620)	6170 (13,290)	3780 (8,150)		
-4.5 m (-15 ft.)			10,680 (22,820)	10,680 (22,820)	7540 (16,000)	6070 (13,100)				
With 2.91-m (9 ft. 7 in.) arm, 666-kg (1,468 lb.) bucket and 800-mm (32 in.) shoes										
6.0 m (20 ft.)							4650 (10,210)	4640 (9,960)		
4.5 m (15 ft.)					6030 (13,010)	6030 (13,010)	5200 (11,310)	4480 (9,640)	4750 (10,190)	3020 (6,480)
3.0 m (10 ft.)					7950 (17,100)	6670 (14,380)	6070 (13,150)	4250 (9,140)	4640 (9,970)	2920 (6,280)
1.5 m (5 ft.)					9680 (20,880)	6180 (13,330)	6450 (13,880)	4010 (8,640)	4520 (9,710)	2810 (6,040)
Ground Line			4270 (9,330)	4270 (9,330)	10,000 (21,460)	5920 (12,760)	6270 (13,480)	3850 (8,290)	4420 (9,520)	2730 (5,860)
-1.5 m (-5 ft.)	4900 (11,010)	4900 (11,010)	8520 (19,440)	8520 (19,440)	9910 (21,270)	5850 (12,590)	6190 (13,320)	3780 (8,140)	4400 (9,470)	2700 (5,820)
-3.0 m (-10 ft.)	9390 (21,140)	9390 (21,140)	13,810 (29,920)	11,650 (24,970)	9650 (20,840)	5910 (12,730)	6230 (13,410)	3820 (8,220)		
-4.5 m (-15 ft.)			10,680 (22,820)	10,680 (22,820)	7540 (16,000)	6120 (13,200)				

Lift Charts

ZX210LC-6

Boldface type indicates hydraulically limited capacity; **lightface type** indicates stability-limited capacities, in kg (lb.). All lift capacities are based on ISO 10567 (with power boost). Ratings at bucket lift hook; machine equipped with standard counterweight and standard gauge; and situated on firm, uniform supporting surface. Total load includes weight of cables, hook, etc. Figures do not exceed 87 percent of hydraulic capacities or 75 percent of weight needed to tip machine.

Load Point Height	1.5 m (5 ft.)		3.0 m (10 ft.)		4.5 m (15 ft.)		6.0 m (20 ft.)		7.5 m (25 ft.)	
Horizontal Distance from Centerline of Rotation	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
With 2.42-m (7 ft. 11 in.) arm, 666-kg (1,468 lb.) bucket and 800-mm (32 in.) shoes										
6.0 m (20 ft.)							5170	5100		
							(11,380)	(10,950)		
4.5 m (15 ft.)					6760	6760	5650	4950		
			(20,290)	(20,290)	(14,560)	(14,560)	(12,290)	(10,660)		
3.0 m (10 ft.)					8630	7370	6460	4730	5270	3290
					(18,560)	(15,890)	(13,990)	(10,180)	(11,330)	(7,060)
1.5 m (5 ft.)					10 140	6930	7230	4510	5170	3190
					(21,880)	(14,930)	(15,650)	(9,720)	(11,110)	(6,870)
Ground Line					10 660	6740	7220	4380	5100	3130
					(23,090)	(14,500)	(15,520)	(9,420)	(10,970)	(6,740)
-1.5 m (-5 ft.)			9330	9330	10 330	6720	7180	4340		
			(21,390)	(21,390)	(22,390)	(14,450)	(15,430)	(9,350)		
-3.0 m (-10 ft.)			12 640	12 640	9150	6820	6580	4420		
			(27,400)	(27,400)	(19,750)	(14,690)	(14,030)	(9,550)		
-4.5 m (-15 ft.)					6300	6300				
					(13,030)					
With 2.91-m (9 ft. 7 in.) arm, 666-kg (1,468 lb.) bucket and 600-mm (24 in.) shoes										
6.0 m (20 ft.)							4650	4650		
							(10,210)	(10,210)		
4.5 m (15 ft.)					6030	6030	5200	4870	4820	3300
					(13,010)	(13,010)	(11,310)	(10,480)	(10,560)	(7,070)
3.0 m (10 ft.)					7950	7310	6070	4630	5120	3200
					(17,100)	(15,750)	(13,150)	(9,980)	(11,000)	(6,870)
1.5 m (5 ft.)					9680	6810	6940	4400	4990	3080
					(20,880)	(14,670)	(15,030)	(9,470)	(10,730)	(6,630)
Ground Line			4270	4270	10 540	6540	6980	4230	4900	3000
			(9,930)	(9,930)	(22,810)	(14,080)	(15,000)	(9,110)	(10,540)	(6,450)
-1.5 m (-5 ft.)	4900	4900	8520	8520	10 510	6470	6900	4160	4870	2970
	(11,010)	(11,010)	(19,440)	(19,440)	(22,760)	(13,910)	(14,830)	(8,950)	(10,490)	(6,400)
-3.0 m (-10 ft.)	9390	9390	13 810	13 120	9650	6530	6940	4190		
	(21,140)	(21,140)	(29,920)	(28,090)	(20,840)	(14,050)	(14,930)	(9,040)		
-4.5 m (-15 ft.)			10 680	10 680	7540	6740				
			(22,820)	(22,820)	(16,000)	(14,540)				
With 2.91-m (9 ft. 7 in.) arm, 666-kg (1,468 lb.) bucket and 700-mm (28 in.) shoes										
6.0 m (20 ft.)							4650	4650		
							(10,210)	(10,210)		
4.5 m (15 ft.)					6030	6030	5200	4950	4820	3360
					(13,010)	(13,010)	(11,310)	(10,650)	(10,560)	(7,210)
3.0 m (10 ft.)					7950	7430	6070	4720	5180	3260
					(17,100)	(16,010)	(13,150)	(10,150)	(11,210)	(7,000)
1.5 m (5 ft.)					9680	6930	6940	4480	5090	3150
					(20,880)	(14,930)	(15,030)	(9,640)	(10,950)	(6,760)
Ground Line			4270	4270	10 540	6660	7120	4310	5000	3060
			(9,930)	(9,930)	(22,810)	(14,340)	(15,300)	(9,280)	(10,750)	(6,580)
-1.5 m (-5 ft.)	4900	4900	8520	8520	10 510	6590	7040	4240	4970	3030
	(11,010)	(11,010)	(19,440)	(19,440)	(22,760)	(14,170)	(15,130)	(9,130)	(10,700)	(6,530)
-3.0 m (-10 ft.)	9390	9390	13 810	13 340	9650	6650	7010	4280		
	(21,140)	(21,140)	(29,920)	(28,570)	(20,840)	(14,310)	(15,070)	(9,220)		
-4.5 m (-15 ft.)			10 680	10 680	7540	6860				
			(22,820)	(22,820)	(16,000)	(14,800)				
With 2.91-m (9 ft. 7 in.) arm, 666-kg (1,468 lb.) bucket and 800-mm (32 in.) shoes										
6.0 m (20 ft.)							4650	4650		
							(10,210)	(10,210)		
4.5 m (15 ft.)					6030	6030	5200	5010	4820	3410
					(13,010)	(13,010)	(11,310)	(10,790)	(10,560)	(7,310)
3.0 m (10 ft.)					1950	7520	6070	4780	5180	3310
					(17,100)	(16,200)	(13,150)	(10,290)	(11,290)	(7,100)
1.5 m (5 ft.)					9680	7020	6940	4540	5170	3190
					(20,880)	(15,120)	(15,030)	(9,780)	(11,110)	(6,860)
Ground Line			4270	4270	10 540	6750	7220	4370	5080	3110
			(9,930)	(9,930)	(22,810)	(14,530)	(15,520)	(9,410)	(10,920)	(6,680)
-1.5 m (-5 ft.)	4900	4900	8520	8520	15 100	6680	7140	4300	5050	3080
	(11,010)	(11,010)	(19,440)	(19,440)	(22,760)	(14,360)	(15,350)	(9,260)	(10,870)	(6,630)
-3.0 m (-10 ft.)	9390	9390	13 810	13 510	9650	6740	7010	4340		
	(21,140)	(21,140)	(29,920)	(28,930)	(20,840)	(14,500)	(15,070)	(9,350)		
-4.5 m (-15 ft.)			10 680	10 680	7540	6950				
			(22,820)	(22,820)	(1,600)	(14,990)				

SPECIFICATIONS

ZX210-6 ZX210LC-6

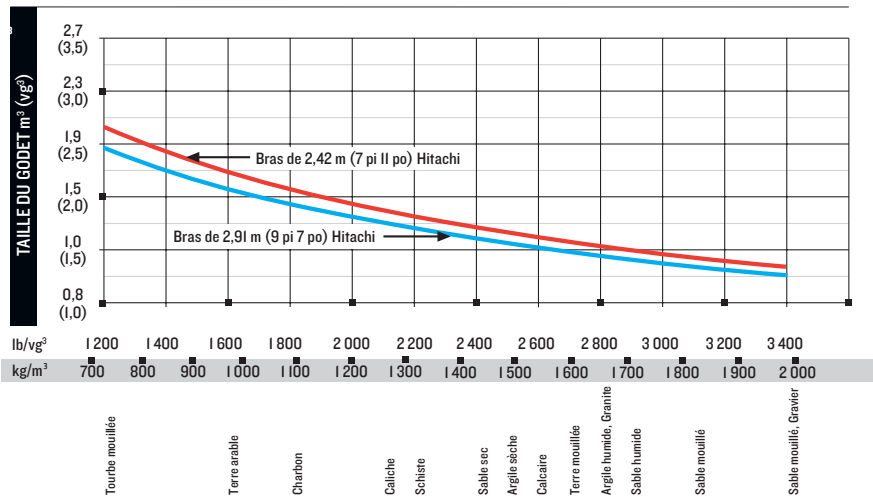
Buckets

ZX210-6 / ZX210LC-6

A full line of buckets is offered to meet a wide variety of applications. Digging forces are with power boost. Buckets are equipped with ESCO teeth standard. Replaceable cutting edges and a variety of teeth are available through Hitachi parts. Optional side cutters add 150 mm (6 in.) to bucket widths. Capacities are SAE heaped ratings.

Type Bucket	Bucket Width		Bucket Capacity		Bucket Weight		Bucket Dig Force		Arm Dig Force 2.42 m (7 ft. 11 in.)		Arm Dig Force 2.91 m (9 ft. 7 in.)		Bucket Tip Radius		Number of Teeth
	mm	in.	m ³	cu. yd.	kg	lb.	kN	lb.	kN	lb.	kN	lb.	mm	in.	
Heavy Duty	914	36	0.69	0.9	631	1,391	160.5	36,091	139.8	31,435	114.2	25,669	1456	57	5
	1067	42	0.83	1.09	695	1,532	161.2	36,230	140.0	31,482	114.3	25,702	1451	57	5
	1219	48	0.99	1.29	763	1,681	161.2	36,248	140.1	31,487	114.4	25,707	1450	57	6
Heavy Duty High Capacity	610	24	0.43	0.56	602	1,325	160.3	36,035	139.8	31,417	114.1	25,655	1458	57	4
	914	36	0.74	0.97	756	1,665	160.3	36,041	139.8	31,417	114.1	25,655	1458	57	5
	1067	42	0.91	1.19	853	1,878	160.3	36,041	139.8	31,417	114.1	25,655	1458	57	5

Bucket Selection Guide*



*Communiquez avec votre concessionnaire Hitachi pour une sélection optimale de godets et d'accessoires. Ces recommandations sont faites en fonction d'une utilisation moyenne dans des conditions générales. Ne comprend pas les équipements en option tels que les pousces et les coupleurs. Il est possible d'utiliser des godets plus larges avec des matériaux légers, des travaux à plat et à niveau, des matériaux moins compactés et des applications de chargement comme l'excavation intensive dans des conditions idéales. Il est recommandé d'utiliser les petits godets pour les conditions défavorables telles que les applications à ras, les terrains rocailleux et les surfaces accidentées. La capacité du

ZX210-6 ZX210LC-6

Key: ● Standard ▲ Optional or special kit

210 Engine

- Auto-idle system
- Batteries (2 - 12 volt)
- Coolant recovery tank
- Dual-element dry-type air filter
- Electronic engine control
- Enclosed fan guard (conforms to SAE J1308)
- Engine coolant to -37 deg. C (-34 deg. F)
- Fuel filter with water separator
- Fuel shut-off valve
- Full-flow oil filter
- Turbocharger with charge air cooler
- 500-hour engine-oil-change interval
- 70% (35 deg.) off-level capability
- Programmable auto shutdown
- Engine-oil-sampling valve
- ▲ Engine air pre-cleaner
- ▲ Chrome exhaust stack
- ▲ Engine coolant heater

Hydraulic System

- Reduced-drift valve for boom down, arm in
- Auxiliary hydraulic valve section
- Spring-applied, hydraulically released automatic swing brake
- Auxiliary hydraulic-flow adjustments through monitor
- Auto power lift
- 5,000-hour hydraulic oil change interval
- Auxiliary hydraulic lines with proportional control on Rh pilot lever
- Hydraulic-oil-sampling valve
- Control pattern-change valve
- HIOS III hydraulic management system
- ▲ Auxiliary hydraulics with combination piping
- ▲ Auxiliary pilot and electric controls
- ▲ High-flow auxiliary hydraulic lines with dual stop valves
- ▲ Dual pump flow combiner
- ▲ Hydraulic filter-restriction indicator kit
- ▲ Load-lowering control device
- ▲ Single-pedal propel control

Undercarriage

- Planetary drive with axial piston motors
- Propel motor shields
- Spring-applied, hydraulically released automatic propel brake
- Track guides, front idler and center
- 2-speed propel with automatic shift
- Upper carrier rollers (2)
- Sealed and lubricated track chain
- Heavy-duty undercover
- ▲ Triple semi-grouser shoes, 600 mm (24 in.)
- ▲ Triple semi-grouser shoes, 700 mm (28 in.)
- ▲ Triple semi-grouser shoes, 800 mm (32 in.)

210 Upperstructure

- Right-hand, left-hand, and counterweight mirrors
- Vandal locks with ignition key: Cab door / Service doors / Toolbox
- Debris screen
- Remote-mounted engine oil and fuel filters
- Service handrails

Front Attachments

- Centralized lubrication system
- Dirt seals on all bucket pins
- Less boom and arm
- Oil-impregnated bushings
- Reinforced resin thrust plates
- Tungsten carbide thermal coating on arm-to-bucket joint
- ▲ Arm, 2.42 m (7 ft. 11 in.)
- ▲ Arm, 2.91 m (9 ft. 7 in.)
- ▲ Attachment quick-couplers
- ▲ Boom cylinder with plumbing to mainframe less boom and arm
- ▲ Buckets: Ditching / Heavy duty / Heavy-duty high capacity / Side cutters and teeth
- ▲ Material clamps
- ▲ Super-long fronts

Operator's Station

- Meets ISO 12117-2 for ROPS
- Adjustable independent-control positions (levers-to-seat, seat-to-pedals)
- AM/FM radio
- Auto climate control / air conditioner / heater / pressurizer
- Built-in Operator's Manual storage compartment and manual
- Cell-phone power outlet, 12 volt, 60 watt, 5 amp
- Coat hook
- Deluxe suspension cloth seat with 100-mm (4 in.) adjustable armrests
- Floor mat
- Front windshield wiper with intermittent speeds
- Gauges (illuminated): Diesel Exhaust Fluid (DEF) / Engine coolant / Fuel
- Horn, electric
- Hour meter, electric
- Hydraulic shutdown lever, all controls
- Hydraulic warm-up control
- Interior light
- Large cup holder
- Machine Information Center (MIC)
- Mode selectors (illuminated): Power modes (3) / Travel modes (2 with automatic shift) / Work mode (1)

210 Operator's Station (Continued)

- Multifunction, color LCD monitor with: Diagnostic capability / Multiple-language capabilities / Maintenance tracking / Clock / System monitoring with alarm features: Auto-idle indicator, engine-air-cleaner-restriction indicator light, engine check, engine-coolant-temperature indicator light with audible alarm, engine-oil-pressure indicator light with audible alarm, low-alternator-charge indicator light, low-fuel indicator light, low DEF indication with audible alarm, fault-code-alert indicator, fuel-rate display, wiper-mode indicator, work-lights-on indicator and work-mode indicator
- Motion alarm with cancel switch (conforms to SAE J994)
- Power-boost switch on right console lever
- Auxiliary hydraulic control switches in right console lever
- SAE 2-lever control pattern
- Seat belt, 76 mm (3 in.), non-retractable
- Tinted glass
- Transparent, tinted overhead hatch
- Hot/cold beverage compartment
- USB charging port
- ▲ Adjustable flow and pressure in monitor
- ▲ Air-suspension heated seat
- ▲ Premium heated/cooled leather seat
- ▲ Hydraulic-oil-filter-restriction indicator light
- ▲ Protection screens for cab front, rear and side
- ▲ Window vandal-protection covers
- ▲ In-monitor adjustable flow and pressure auxiliary hydraulics with AFL

Grade Management

- ▲ Solution Linkage 2D Grade Guidance
- ▲ Solution Linkage 3D Grade Guidance
- ▲ Solution Linkage 2D Grade Control
- ▲ Solution Linkage 3D Grade Control

Electrical

- 50-amp alternator
- Blade-type multi-fused circuits
- Positive-terminal battery covers
- Battery disconnect switch
- ZXLink™ wireless communication system (available in specific countries; see your dealer for details)
- Rearview camera
- ▲ Cab extension wiring harness

Lights

- Work lights: Halogen / 1 mounted on boom / 1 mounted on frame
- ▲ 2 lights mounted on cab / 1 mounted on right side of boom / 1 mounted under engine hood

Net engine power is with standard equipment including air cleaner, exhaust system, alternator and cooling fan, at test conditions specified per ISO 9249. No derating is required up to 2000-m (6,560 ft.) altitude.

Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with SAE standards. Except where otherwise noted, these specifications are based on units with 2.91-m (9 ft. 7 in.) arms; 1065-mm (42 in.), 0.91-m³ (1.19 cu. yd.), 853-kg. (1,878 lb.) heavy-duty buckets; 4250-kg (9,370 lb.) counterweights; full fuel tanks; 79-kg (175 lb.) operators; and a ZX210LC-6 unit with 800-mm (32 in.) triple semi-grouser shoes.



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