UTILITY-CLASS EXCAVATORS

ZAXIS

DASH-6

ZX210-6
ZX210LC-6

HITACHI

POWERFUL PERFORMANCE. PROVEN PRODUCTIVITY.

BUILT-IN BENEFITS.

Built with the same toughness as our large mining excavators, Hitachi utility-class excavators bring efficiency, reliability and durability to your job sites. The ZX210-6 and ZX210LC-6 are no exceptions.

These models feature a number of productivity-boosting advantages, like a fuel-efficient EPA Final Tier 4 (FT4)/EU Stage IV Isuzu engine that meets rigid emission standards. The best part? There's no diesel particulate filter (DPF) needed. You also get standard upperstructure handrails for added safety and accessibility. Easy-to-operate controls for smooth and responsive hydraulics. Programmable attachment modes. And simplified maintenance with features like a battery disconnect switch. When you're running a ZX210-6 or ZX210LC-6, you've got...

PRODUCTIVITY ON YOUR SIDE.

PERFORMANCE


HITACHI
PRODUCTIVITY

TACKLE TOUGH JOBS WITH CONFIDENCE.

PRODUCTIVITY ON A HIGHER LEVEL.

The ZX210-6 and ZX210LC-6 take productivity to a higher level with a HIOS III hydraulic system, which balances engine performance with hydraulic flow. The hydraulic boost system and enhanced boom recirculation generate aggressive boom and arm speed – returning the arm to dig faster, so you can move more dirt in a day.

These models provide efficient performance with three work modes. High Productivity (HP) delivers more power and faster hydraulic response. Power (P) delivers a balance of power and speed, plus fuel economy for normal operation. Economy (E) maximizes fuel efficiency while delivering an enhanced level of productivity.

Need extra stability or lift capacity? Choose from a wide variety of track widths, arm lengths, bucket sizes and teeth, high-flow auxiliary hydraulic packages and other options.

With the ZX210-6 and ZX210LC-6, jobs stay...

MOVING AHEAD, NEVER BEHIND.

- 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.
- It's not always about brute force. Unmatched metering and smooth multifunction operation provide finesse and precision.
- Stay on schedule with generous swing torque, digging force and lift capacity.
- Muscle through tough digging by pressing the power-boost button.
- Whatever your grade system, Topcon, Trimble or Leica, Hitachi offers a grade reference ready package that reduces installation time by half.

COMFORTABLE OPERATORS ARE MORE PRODUCTIVE OPERATORS.

COMFORTABLE AND SAFE CAB.

The ZX210-6 and ZX210LC-6 keep operators comfortable and focused on the job. Silicone-filled cab mounts provide isolation from noise and vibration. A refined, multifunction LCD monitor features a rotary control for easy access to performance and convenience functions and features. Operators will also appreciate the wide entryway, fully adjustable high-back sculpted seat, storage space and generous legroom. Unsurpassed visibility, ergonomically placed low-effort joysticks and a highly efficient HVAC system, plus other features contribute to...

COMFORTABLE PRODUCTIVITY.

■ Multi-language LCD monitor and rotary dial provide easy access to machine info and functions. Turn and tap to select work modes, monitor maintenance intervals, check diagnostic codes and set cab temperature. Control oil flow and toggle between dig and thumb modes with a programmable thumb attachment mode.

■ 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.

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

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

COMFORT

- 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.
- Operators get maximum support from a sculpted mechanical suspension high-back seat. For even more comfort, opt for the air-suspension heated seat.

EFFICIENT

- Auto-idle, which reduces engine speed when hydraulics aren't in use, and auto-shutdown contribute to fuel efficiency.
- A battery disconnect switch, located in the rear door behind the cab, is easily accessible and extends battery life.
- The FT4 engine solution does not require a DPF, saving service time and lowering operating costs.

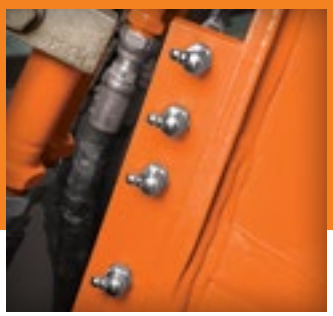
MINIMIZE MAINTENANCE.
MAXIMIZE UPTIME.

SIMPLE SERVICING.

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. These models are easy to maintain so you have...

LOWER OPERATING COSTS.

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



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

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

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

TOUGHNESS BUILT-IN, DOWNTIME TOSSED OUT.

DEPENDABLE DURABILITY.

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. Add it all up, and these models give you...

RELIABLE STRENGTH.

■ 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).

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

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

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

DURABILITY

■ Dust screen prevents plugging, providing increased reliability.

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

■ Oil-impregnated bushings enhance durability and extend lube intervals.

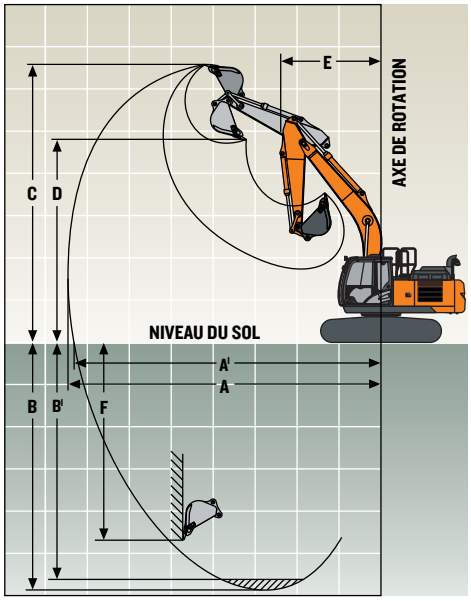
ZX210-6/ZX210LC-6

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, load sensing			
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	

SPECS

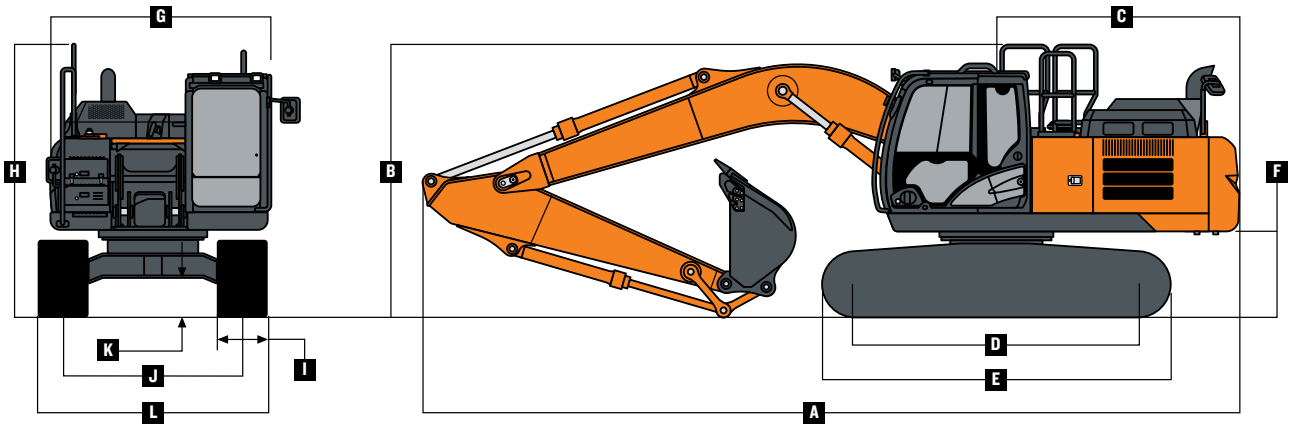
Ground Pressure	ZX210-6	ZX210LC-6
600-mm (24 in.) Triple Semi-Grouser Shoes	37.3 kPa (5.41 psi)	34.0 kPa (4.93 psi)
700-mm (28 in.) Triple Semi-Grouser Shoes	42.0 kPa (6.09 psi)	38.9 kPa (5.64 psi)
800-mm (32 in.) Triple Semi-Grouser Shoes	48.2 kPa (6.99 psi)	43.9 kPa (6.37 psi)
Swing Mechanism		
Speed	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	20 791 kg (45,836 lb.)	21 197 kg (46,689 lb.)
700-mm (28 in.) Triple Semi-Grouser Shoes	21 131 kg (46,586 lb.)	21 587 kg (47,548 lb.)
800-mm (32 in.) Triple Semi-Grouser Shoes	21 430 kg (47,245 lb.)	21 900 kg (48,238 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.)

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.)
A' 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.)
B' 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.)



SPECS

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.)



Lift Charts — ZX210-6

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** **(11,380)**	4570 (9,800)		
4.5 m (15 ft.)			**(20,290)**	**(20,290)**	**6760** **(14,560)**	**6760** **(14,560)**	**5650** **(12,290)**	4420 (9,510)		
3.0 m (10 ft.)					**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** **(9,930)**	**4270** **(9,930)**	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** **(9,930)**	**4270** **(9,930)**	9910 (21,270)	5880 (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** **(9,930)**	**4270** **(9,930)**	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)				

SPECS

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.

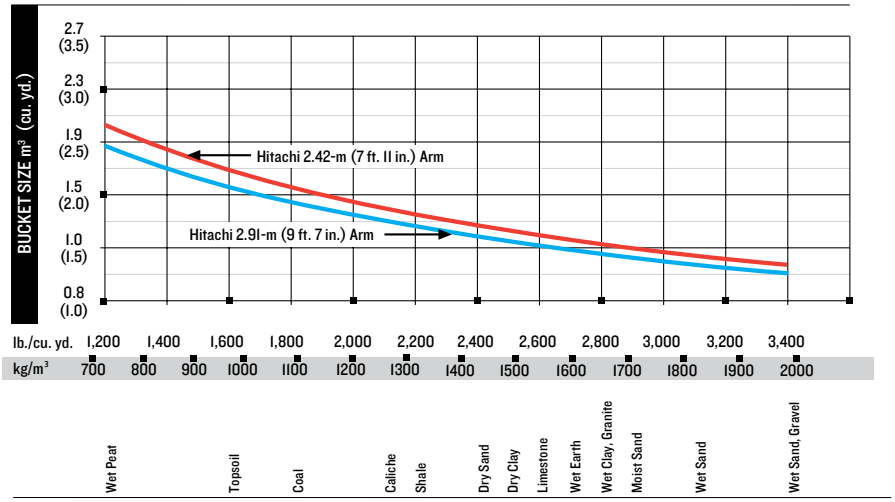
Load Point Height	1.5 m (5 ft.)		3.0 m (10 ft.)		4.5 m (15 ft.)		6.0 m (20 ft.)		7.5 m (25 ft.)	
Horizontal Distance from Centerline of Rotation	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
With 2.42-m (7 ft. 11 in.) arm, 666-kg (1,468 lb.)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

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*



*Contact your Hitachi dealer for optimum bucket and attachment selections. These recommendations are for general conditions and average use. Does not include optional equipment such as thumbs or couplers. Larger buckets may be possible when using light materials, for flat and level operations, less compacted materials, and volume loading applications such as mass-excavation applications in ideal conditions. Smaller buckets are recommended for adverse conditions such as off-level applications, rocks, and uneven surfaces. Bucket capacity indicated is SAE heaped.

SPECS

ADDITIONAL EQUIPMENT

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
●	Full-flow oil filter
●	Turbocharger with charge air cooler
●	500-hour engine-oil-change interval
●	70% (35 deg.) off-level capability
●	Programmable auto shutdown
	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
▲	Auxiliary pilot and electric controls
▲	Hydraulic filter-restriction indicator kit
▲	Load-lowering control device
▲	Single-pedal propel control
▲	Control pattern-change valve
	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
▲	Triple semi-grouser shoes, 600 mm (24 in.)
▲	Triple semi-grouser shoes, 700 mm (28 in.)
▲	Triple semi-grouser shoes, 800 mm (32 in.)
	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

210	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 shutoff 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, 51 mm (2 in.), retractable
●	Tinted glass
●	Transparent, tinted overhead hatch
●	Hot/cold beverage compartment
▲	Air-suspension heated seat
▲	Hydraulic-oil-filter-restriction indicator light
▲	Protection screens for cab front, rear and side
▲	Seat belt, 76 mm (3 in.), non-retractable
▲	Window vandal-protection covers
	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-m^3 (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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