

UTILITY-CLASS EXCAVATORS

ZAXIS

DASH-5

ZX210-5
ZX210LC-5



HITACHI

PROVEN PERFORMANCE. POWERFUL PRODUCTIVITY.

EXCAVATOR EXPERTS.

Unlike other manufacturers, we don't build every kind of earthmoving equipment. Instead, we specialize in excavators. The result? Highly efficient, reliable and durable equipment.

The ZX210-5 and ZX210LC-5 are designed to meet the needs of sewer and water contractors, basement diggers and for work in urban areas. These models are easy to transport and feature a number of productivity-boosting advantages. An efficient Isuzu engine provides powerful performance. Grouped service points simplify maintenance. A spacious cab keeps operators comfortable. When you choose the ZX210-5 or ZX210LC-5, you get...

BUILT-IN BENEFITS.





SPECIALISTS



ZX210-5/ZX210LC-5

ZAXIS | DASH-5 UTILITY-CLASS EXCAVATORS



PRODUCTIVITY



TACKLE TOUGH JOBS WITH CONFIDENCE.

PRODUCTIVITY ON A HIGHER LEVEL.

The ZX210-5 and ZX210LC-5 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 fuel-efficient performance with three work modes. Economy maximizes fuel efficiency while delivering an enhanced level of productivity. Power delivers a balance of power and speed, plus fuel economy for normal operation. High Productivity delivers more power and faster hydraulic response. Need extra stability or lift capacity? Choose from a wide variety of track widths, arm lengths, buckets, high-flow auxiliary hydraulic packages and other options. With the ZX210-5 and ZX210LC-5, you can...

WORK EVERYWHERE, EVERY DAY.

- Short-throw, low-effort controls, unmatched metering and smooth multifunction operation provide finesse and precision when they're needed.

- Generous flow, arm force and swing torque help speed cycles and keep you productive and on schedule.

- When the digging gets tough, just press the power-boost button on the right-hand control to muscle through.

- Changing auxiliary hydraulic flow is push-button easy, done right from the seat.

- You can choose from a wide variety of track widths, arm lengths, buckets, high-flow auxiliary hydraulic packages and other options.

MORE COMFORT, MORE PRODUCTIVITY.

COMFORTABLE, SAFE AND EFFICIENT.

Operators are set for success inside our spacious, well-appointed cabs. Silicone-filled cab mounts isolate the operator from noise and vibration. A refined, multifunction LCD monitor employs a rotary control that makes it quick and simple to tap into a wealth of performance and convenience functions and features. Operators will also appreciate the wide entryway, fabric-covered seat, lots of storage and generous legroom. As always, unsurpassed visibility, ergonomically placed low-effort joysticks, a highly efficient HVAC system, plus other features contribute to...

COMFORTABLE PRODUCTIVITY.



■ Multi-language LCD monitor and rotary dial provide access to a wealth of info and functions. Just turn and tap to select work modes, check diagnostic codes, monitor maintenance intervals, set cab temperature, and make simple attachment hydraulic-flow adjustments, plus more.



■ 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.



■ Ergonomically correct short-throw pilot levers provide smooth, precise fingertip control with less movement or effort.



■ Optional cab-mounted lights, an additional boom-mounted light, and rearview camera help show the way, regardless of when or where you work.



■ Low-effort joysticks, a highly efficient HVAC system, and plenty of storage space maximize comfort and convenience.



■ An Isuzu engine delivers fuel-efficient and reliable performance. Fuel pressure, timing, and volume are precisely regulated by electronic control for efficient combustion with Isuzu's common-rail fuel-injection system.

■ Auto-idle automatically reduces engine speed when hydraulics aren't in use. Auto-shutdown further preserves fuel.

■ Oil-impregnated bushings increase durability and extend grease intervals to 500 hours for most of the boom and arm linkage points.

ROCK-SOLID PERFORMANCE.

BUILT TO LAST.

When you've got deadlines to meet, you want reliable equipment like the ZX210-5 and ZX210LC-5. D-channel side frames house and protect the highly efficient coolers and Isuzu engine. Toughness is built into the heavy-duty undercarriage, digging structures, and hydraulic and electrical components. Welded bulkheads within the boom resist torsional stress, and tungsten-carbide-coated surfaces and oil-impregnated bushings further increase durability. Add it all up, and these models deliver...

DEPENDABLE DURABILITY.



■ Box-section track frames, thick-plate single-sheet mainframe, and double-seal swing bearing deliver long-lasting durability.



■ With large idlers, rollers, and strutted links, the sealed and lubricated undercarriage delivers long, reliable performance.



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

MINIMIZE MAINTENANCE. MAXIMIZE UPTIME.

MAINTENANCE MADE EASIER.

The ZX210-5 and ZX210LC-5 are as easy to maintain as they are to operate. From the self-cleaning steps and convenient grab bars to the centralized lube banks and grouped service points, these models are designed for simplified maintenance. The ZX210-5 and ZX210LC-5 also come standard with three years of ZXLink™, enabling 24/7 online access to machine location, health utilization, fuel consumption and other valuable information. By choosing these excavators, you boost productivity while you...

LOWER OPERATING COSTS.

■ Grouped service points make quick work of the daily routine. Easy-to-check sight gauges and fluid reservoirs, and extended engine and hydraulic oil-service intervals minimize downtime for periodic maintenance.



■ Hinged service doors provide wide-open access to cooler cores for simplified debris clean-out.



■ Easy-to-reach dipstick and nearby coolant reservoir make daily checks and/or additions quick and easy.

EFFICIENT



■ LCD monitor tracks scheduled maintenance and reminders. Should a problem arise, it provides diagnostic codes to assist in troubleshooting. ZXLink™ can also provide early warning and remote diagnostics.



■ Remote-mounted fuel- and engine-oil filters are positioned in the right rear compartment for simplified ground-level servicing.



■ Fresh-air cab filter is quickly serviced from outside the cab, so it's more likely to get done.

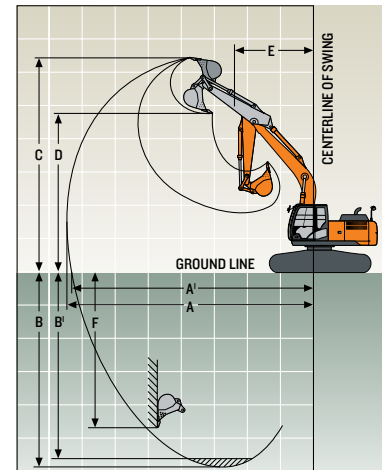


■ Centralized lube banks place difficult-to-reach zerks within easy reach to help make greasing less messy and time-consuming.

Engine		ZX210-5 / ZX210LC-5	
Manufacturer and Model		Isuzu CC-6BGI	
Non-Road Emission Standards		Equivalent to EPA Tier 2/EU Stage II	
Net Rated Power (ISO 9249)		125 kW (168 hp) @ 2,100 rpm	
Cylinders		6	
Displacement		6.5 L (396 cu. in.)	
Off-Level Capacity		70% (35 deg.)	
Aspiration		Turbocharged, air-to-air charge-air cooler	
Cooling			
Direct-driven, high-efficiency, low-noise, 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		One gear	
Maximum Rated Flow		30.0 L/m (7.9 gpm)	
Pressure Setting		3900 kPa (566 psi)	
System Operating Pressure			
Circuits:			
Implement		34 336 kPa (4,980 psi)	
Travel		34 336 kPa (4,980 psi)	
Swing		34 336 kPa (4,980 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 (4.72 in.)	85 mm (3.35 in.)	1260 mm (49.61 in.)
Arm (1)	135 mm (5.31 in.)	95 mm (3.74 in.)	1475 mm (58.07 in.)
Bucket (1)	115 mm (4.53 in.)	80 mm (3.15 in.)	1060 mm (41.73 in.)
Electrical			
Number of Batteries (12 volt)		2	
Battery Capacity (each)		1,000 CCA	
Alternator Rating		50 amp	
Work Lights		2 halogen (one mounted on boom, one on frame)	
Undercarriage		ZX210-5	ZX210LC-5
Rollers (each side)			
Carrier		2	2
Track		7	8
Shoes (each side)		46	49
Track			
Adjustment		Hydraulic	Hydraulic
Guides		Center	Center
Chain		Sealed and lubricated	Sealed and lubricated
Ground Pressure		ZX210-5	ZX210LC-5
600-mm (24 in.) Triple Semi-Grouser Shoes		45 kPa (6.53 psi)	47.9 kPa (6.95 psi)
700-mm (28 in.) Triple Semi-Grouser Shoes		39 kPa (5.66 psi)	41.7 kPa (6.05 psi)
800-mm (32 in.) Triple Semi-Grouser Shoes		34 kPa (4.93 psi)	36.9 kPa (5.35 psi)
Swing Mechanism			
Swing Speed		13.3 rpm	
Swing Torque		68 000 Nm (50,000 lb.-ft.)	

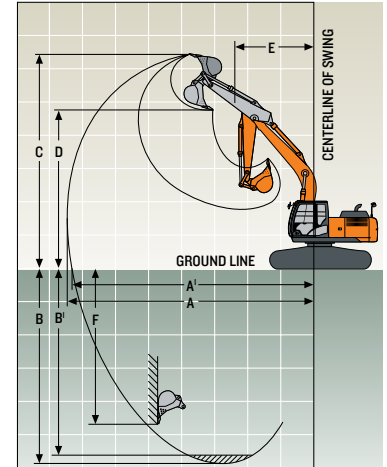
ZX210-5/ZX210LC-5

Serviceability		ZX210-5 / ZX210LC-5	
Refill Capacities			
Fuel Tank	403 L (106.5 gal.)		
Cooling System	25 L (26.4 qt.)		
Engine Oil with Filter	23 L (24 qt.)		
Hydraulic Tank	135 L (35.7 gal.)		
Hydraulic System	240 L (63.4 gal.)		
Swing Gearbox	6.2 L (6.6 qt.)		
Propel Gearbox (each)	7.8 L (8.2 qt.)		
Pump Drive Gearbox	1.0 L (1.1 qt.)		
Operating Weights		ZX210-5	ZX210LC-5
With full fuel tank; 79-kg (175 lb.) operator; 1220-mm (48 in.), 1.20-m ³ (1.57 cu. yd.), 1,031-kg (2,274 lb.) heavy-duty bucket; 2.91-m (9 ft. 7 in.) arm; 4250-kg (9,370 lb.) counterweight; and 600-mm (24 in.) triple semi-grouser shoes.			
Operating Weight	20 115 kg (44,346 lb.)	20 715 kg (45,669 lb.)	
Optional Components			
Undercarriage with Triple Semi-Grouser Shoes			
600-mm (24 in.)	6752 kg (14,873 lb.)	7353 kg (16,196 lb.)	
700-mm (28 in.)	7143 kg (15,733 lb.)	7743 kg (17,055 lb.)	
800-mm (32 in.)	7437 kg (16,381 lb.)	8038 kg (17,705 lb.)	
One-Piece Boom (with arm cylinder)	1732 kg (3,815 lb.)	1732 kg (3,815 lb.)	
Arm with Bucket Cylinder and Linkage			
2.22 m (7 ft. 3 in.)	928 kg (2,044 lb.)	928 kg (2,044 lb.)	
2.91 m (9 ft. 7 in.)	990 kg (2,181 lb.)	990 kg (2,181 lb.)	
Boom Lift Cylinders (2) Total Weight	341 kg (751 lb.)	341 kg (751 lb.)	
Operating Dimensions - ZX210-5			
Arm Length	2.42 m (7 ft. 11 in.)	2.91 m (9 ft. 7 in.)	
Arm Digging Force			
SAE	133 kN (29,901 lb.)	110 kN (24,730 lb.)	
ISO	140 kN (31,475 lb.)	114 kN (25,629 lb.)	
Bucket Digging Force			
SAE	141 kN (31,700 lb.)	141 kN (31,700 lb.)	
ISO	158 kN (35,552 lb.)	158 kN (35,522 lb.)	
A ¹ Maximum Reach	9.43 m (30 ft. 11 in.)	9.92 m (32 ft. 7 in.)	
A ¹ Maximum Reach at Ground Level	9.25 m (30 ft. 4 in.)	9.75 m (31 ft. 12 in.)	
B Maximum Digging Depth	6.18 m (20 ft. 3 in.)	6.68 m (21 ft. 11 in.)	
B ¹ 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	3.28 m (10 ft. 9 in.)	3.18 m (10 ft. 5 in.)	
F Maximum Vertical Wall	5.3 m (17 ft. 5 in.)	5.99 m (19 ft. 8 in.)	



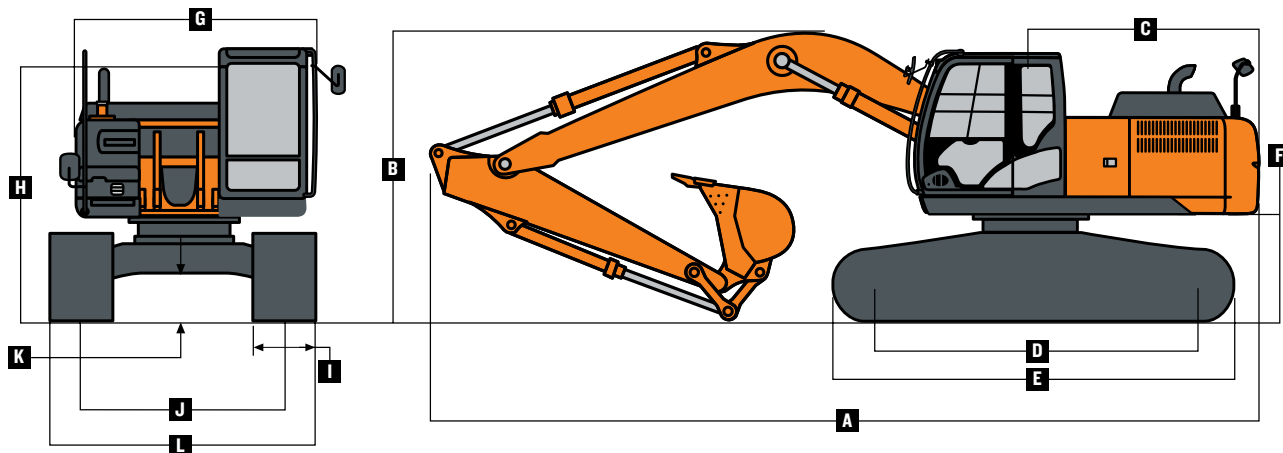
Operating Dimensions - ZX210LC-5

Arm Length	2.42 m (7 ft. 11 in.)	2.91 m (9 ft. 7 in.)
Arm Digging Force		
SAE	133 kN (29,901 lb.)	110 kN (24,730 lb.)
ISO	140 kN (31,475 lb.)	114 kN (25,629 lb.)
Bucket Digging Force		
SAE	141 kN (31,700 lb.)	141 kN (31,700 lb.)
ISO	158 kN (35,522 lb.)	158 kN (35,522 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 (31 ft. 12 in.)
B Maximum Digging Depth	6.18 m (20 ft. 3 in.)	6.68 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	3.28 m (10 ft. 9 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

	ZX210-5	ZX210LC-5
A Overall Length		
2.42-m (7 ft. 11 in.) arm	9.75 m (31 ft. 12 in.)	9.75 m (31 ft. 12 in.)
2.91-m (9 ft. 7 in.) arm	9.53 m (31 ft. 3 in.)	9.53 m (31 ft. 3 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 (10 ft. 12 in.)	3.67 m (12 ft.)
E Undercarriage Length	4.17 m (13 ft. 8 in.)	4.46 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.)
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 (9 ft. 3 in.)	2.99 m (9 ft. 10 in.)
700 mm (28 in.)	2.92 (9 ft. 7 in.)	3.09 m (10 ft. 2 in.)
800 mm (32 in.)	3.02 (9 ft. 11 in.)	3.19 m (10 ft. 6 in.)



ZX210-5/ZX210LC-5

Lift Charts - ZX210-5

Boldface type indicates hydraulically limited capacity; **lightface type** indicates stability-limited capacities, in kg (lb.). Ratings at bucket lift hook; machine equipped with 666-kg (1,468 lb.) bucket; 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.

All lift capacities are based on ISO 10567 (with power boost).

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 2.91-m (9 ft. 7 in.) arm and 700-mm (28 in.) triple semi-grouser shoes										
6.0 m (20 ft.)							4700 (10,300)	4450 (9,500)		
4.5 m (15 ft.)					6150 (13,250)	6150 (13,250)	5250 (11,450)	4300 (9,250)	4500 (9,600)	2850 (6,150)
3.0 m (10 ft.)					8050 (17,350)	6400 (13,800)	6150 (13,350)	4050 (8,750)	4400 (9,450)	2800 (5,950)
1.5 m (5 ft.)					9800 (21,100)	5950 (12,800)	6150 (13,200)	3850 (8,250)	4300 (9,200)	2700 (5,750)
Ground Line			4150 (9,650)	4150 (9,650)	9500 (20,400)	5650 (12,200)	5950 (12,800)	3700 (7,900)	4200 (9,000)	2600 (5,600)
-1.5 m (-5 ft.)	4800 (10,750)	4800 (10,750)	8400 (19,100)	8400 (19,100)	9400 (20,200)	5600 (12,050)	5850 (12,650)	3600 (7,750)	4150 (8,950)	2550 (5,550)
-3.0 m (-10 ft.)	9250 (20,850)	9250 (20,850)	13 950 (30,250)	11 150 (23,950)	9500 (20,350)	5650 (12,150)	5900 (12,750)	3650 (7,850)		
-4.5 m (-15 ft.)			10 850 (23,150)	10 850 (23,150)	7650 (16,250)	5850 (12,650)				
With 2.91-m (9 ft. 7 in.) arm and 800-mm (32 in.) triple semi-grouser shoes										
6.0 m (20 ft.)							4700 (10,300)	4500 (9,650)		
4.5 m (15 ft.)					6150 (13,250)	6150 (13,250)	5250 (11,450)	4350 (9,400)	4600 (9,800)	2950 (6,250)
3.0 m (10 ft.)					8050 (17,350)	6500 (14,050)	6150 (13,350)	4150 (8,950)	4500 (9,650)	2850 (6,100)
1.5 m (5 ft.)					9800 (21,100)	6050 (13,000)	6250 (13,450)	3900 (8,450)	4350 (9,400)	2750 (5,850)
Ground Line			4150 (9,650)	4150 (9,650)	9700 (20,800)	5750 (12,450)	6050 (13,050)	3750 (8,050)	4300 (9,200)	2650 (5,700)
-1.5 m (-5 ft.)	4800 (10,750)	4800 (10,750)	8400 (19,100)	8400 (19,100)	9600 (20,600)	5700 (12,250)	6000 (12,900)	3700 (7,900)	4250 (9,150)	2650 (5,650)
-3.0 m (-10 ft.)	9250 (20,850)	9250 (20,850)	13 950 (30,250)	11 350 (24,350)	9650 (20,750)	5750 (12,400)	6050 (13,000)	3700 (8,000)		
-4.5 m (-15 ft.)			10 850 (23,150)	10 850 (23,150)	7650 (16,250)	5950 (12,850)				

Lift Charts - ZX210LC-5

Boldface type indicates hydraulically limited capacity; **lightface** type indicates stability-limited capacities, in kg (lb.). Ratings at bucket lift hook; machine equipped with 666-kg (1,468 lb.) bucket; 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.

All lift capacities are based on ISO 10567 (with power boost).

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 and 800-mm (32 in.) triple semi-grouser shoes										
6.0 m (20 ft.)							5200 (11,450)	4950 (10,600)		
4.5 m (15 ft.)			(20,650)	(20,650)	6850 (14,800)	6850 (14,800)	5750 (12,450)	4850 (10,400)		
3.0 m (10 ft.)					8750 (18,800)	7200 (15,550)	6550 (14,150)	4600 (9,950)	5150 (11,000)	3200 (6,850)
1.5 m (5 ft.)					10 250 (22,100)	6750 (14,550)	7200 (15,450)	4400 (9,500)	5050 (10,800)	3100 (6,700)
Ground Line					10 750 (23,300)	6550 (14,150)	7050 (15,100)	4250 (9,200)	4950 (10,650)	3050 (6,550)
-1.5 m (-5 ft.)			9150 (21,050)	9150 (21,050)	10 450 (22,600)	6550 (14,100)	7000 (15,050)	4250 (9,100)		
-3.0 m (-10 ft.)			12 800 (27,750)	12 800 (27,750)	9250 (20,000)	6650 (14,300)	6650 (14,200)	4300 (9,300)		
-4.5 m (-15 ft.)					6400 (13,250)	6400 (13,250)				
With 2.91-m (9 ft. 7 in.) arm and 600-mm (24 in.) triple semi-grouser shoes										
6.0 m (20 ft.)							4700 (10,300)	4700 (10,300)		
4.5 m (15 ft.)					6150 (13,250)	6150 (13,250)	5250 (11,450)	4700 (10,150)	4850 (10,650)	3150 (6,750)
3.0 m (10 ft.)					8050 (17,350)	7100 (15,250)	6150 (13,350)	4500 (9,650)	4950 (10,600)	3100 (6,600)
1.5 m (5 ft.)					9800 (21,100)	6600 (14,200)	6900 (14,900)	4250 (9,150)	4800 (10,350)	2950 (6,400)
Ground Line			4150 (9,650)	4150 (9,650)	10 650 (23,050)	6300 (13,600)	6750 (14,500)	4100 (8,800)	4700 (10,150)	2900 (6,200)
-1.5 m (-5 ft.)	4800 (10,750)	4800 (10,750)	8400 (19,100)	8400 (19,100)	10 600 (23,000)	6250 (13,400)	6650 (14,300)	4000 (8,600)	4700 (10,100)	2850 (6,150)
-3.0 m (-10 ft.)	9250 (20,850)	9250 (20,850)	13 950 (30,250)	12 700 (27,150)	9750 (21,050)	6300 (13,550)	6700 (14,400)	4050 (8,700)		
-4.5 m (-15 ft.)			10 850 (23,150)	10 850 (23,150)	7650 (16,250)	6500 (14,050)				
With 2.91-m (9 ft. 7 in.) arm and 700-mm (28 in.) triple semi-grouser shoes										
6.0 m (20 ft.)							4700 (10,300)	4700 (10,300)		
4.5 m (15 ft.)					6150 (13,250)	6150 (13,250)	5250 (11,450)	4800 (10,350)	4850 (10,650)	3250 (6,950)
3.0 m (10 ft.)					8050 (17,350)	7250 (15,600)	6150 (13,350)	4600 (9,850)	5050 (10,850)	3150 (6,750)
1.5 m (5 ft.)					9800 (21,100)	6750 (9,350)	7050 (15,200)	4350 (9,350)	4950 (10,600)	3050 (6,550)
Ground Line			4150 (9,650)	4150 (9,650)	10 650 (23,050)	6450 (13,900)	6900 (14,850)	4200 (9,000)	4850 (10,400)	2950 (6,350)
-1.5 m (-5 ft.)	4800 (10,750)	4800 (10,750)	8400 (19,100)	8400 (19,100)	10 600 (23,000)	6400 (13,750)	6800 (14,650)	4100 (8,850)	4800 (10,350)	2950 (6,350)
-3.0 m (-10 ft.)	9250 (20,850)	9250 (20,850)	13 950 (30,250)	12 950 (27,750)	9750 (21,050)	6450 (13,900)	6850 (14,750)	4150 (8,950)		
-4.5 m (-15 ft.)			10 850 (23,150)	10 850 (23,150)	7650 (16,250)	6650 (14,350)				

ZX210-5/ZX210LC-5

Lift Charts - ZX210LC-5 (Continued)

Boldface type indicates hydraulically limited capacity; **lightface** type indicates stability-limited capacities, in kg (lb.). Ratings at bucket lift hook; machine equipped with 666-kg (1,468 lb.) bucket; 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.

All lift capacities are based on ISO 10567 (with power boost).

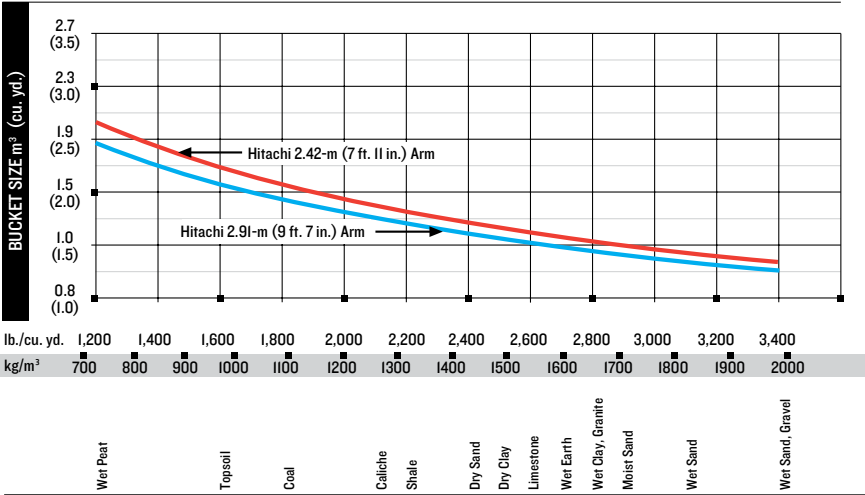
Load Point Height	1.5 m (5 ft.)		3.0 m (10 ft.)		4.5 m (15 ft.)		6.0 m (20 ft.)		7.5 m (25 ft.)	
Horizontal Distance from Centerline of Rotation	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
With 2.91-m (9 ft. 7 in.) arm and 800-mm (32 in.) triple semi-grouser shoes										
6.0 m (20 ft.)							4700 (10,300)	4700 (10,300)		
4.5 m (15 ft.)					6150 (13,250)	6150 (13,250)	5250 (11,450)	4900 (10,500)	4850 (10,650)	3300 (7,050)
3.0 m (10 ft.)					8050 (17,350)	7350 (15,850)	6150 (13,350)	4650 (10,050)	5150 (11,050)	3200 (6,900)
1.5 m (5 ft.)					9800 (21,100)	6850 (14,750)	7050 (15,200)	4450 (9,550)	5050 (10,800)	3100 (6,700)
Ground Line			4150 (9,650)	4150 (9,650)	10 650 (23,050)	6600 (14,150)	7050 (15,100)	4250 (9,150)	4950 (10,650)	3000 (6,500)
-1.5 m (-5 ft.)	4800 (10,750)	4800 (10,750)	8400 (19,100)	8400 (19,100)	10 600 (23,000)	6500 (14,000)	6950 (14,950)	4200 (9,000)	4900 (10,600)	3000 (6,450)
-3.0 m (-10 ft.)	9250 (20,850)	9250 (20,850)	13 950 (30,250)	13 200 (28,200)	9750 (21,050)	6550 (14,150)	7000 (15,050)	4200 (9,100)		
-4.5 m (-15 ft.)			10 850 (23,150)	10 850 (23,150)	7650 (16,250)	6800 (14,600)				

Bucket Selection Guide* ZX210-5 / ZX210LC-5

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	
	mm	in.	m³	cu. yd.	kg	lb.	kN	lb.
Heavy Duty High Capacity	1219	48	1.18	1.54	1112	2,450	1572	35,332
	1372	54	1.36	1.78	1201	2,645	1572	35,330

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
● Automatic belt-tension device
● Direct-driven, high-efficiency cooling fan
● Severe-duty fuel filter
● 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
● Engine-oil-sampling valve
● 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
● Hydraulic-oil-sampling valve
▲ Auxiliary hydraulic lines
▲ Auxiliary pilot controls
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.)

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
Front Attachments
● Centralized lubrication system
● Dirt seals on all bucket pins
● 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.)
Operator's Station
● Certified to ISO 12117-2 for ROPS (up to 25 300 kg [55,776 lb.])
● Certified to FOPS Level I
● Adjustable independent-control positions (levers-to-seat, seat-to-pedals)
● AM/FM radio
● Auto climate control/air conditioner/heater/pressurizer
● 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): 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)

210 Operator's Station (Continued)
● Mode selectors (illuminated): Power modes (3) / Travel modes (2 with automatic shift) / Work mode (1)
● 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, 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
▲ Certified to FOPS Level 2 (requires additional kit)
Electrical
● 50-amp alternator
● Blade-type multi-fused circuits
● Positive-terminal battery covers
● ZXLink™ wireless communication system (available in specific countries; see your dealer for details)
▲ Rearview camera
Lights
● Work lights: Halogen / 1 mounted on boom / 1 mounted on frame
▲ 2 lights mounted on cab / 1 mounted on right side of boom

See your Hitachi dealer for further information.

Actual machine configuration may differ from image. Not all models available in all countries.

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 3050-m (10,000 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 1220-mm (48 in.), 1.20-m³ (1.57 cu. yd.), 1,031-kg (2,274 lb.) heavy-duty buckets; 2.91-m (9 ft. 7 in.) arms; 4250-kg (9,370 lb.) counterweights; and 600-mm (24 in.) triple semi-grouser shoes; full fuel tanks; and 79 kg (175 lb.) operators.

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