

ENGINE

Model	Isuzu GH-4HK1X
Type	4-cycle water-cooled, common rail direct injection
Aspiration	Turbocharged, intercooled
No. of cylinders	4
Rated power	
ISO 9249, net	113 kW (152 HP) at 2 000 min ⁻¹
SAE J1349, net	113 kW (152 HP) at 2 000 min ⁻¹
Maximum torque	638 Nm (65 kgfm) at 1 500 min ⁻¹
Piston displacement ..	5.193 L
Bore and stroke	115 mm x 125 mm
Batteries	2 x 12 V

HYDRAULIC SYSTEM

Hydraulic Pumps

Main pumps	2 variable displacement axial piston pumps
Maximum oil flow ..	2 x 212 L/min
Pilot pump	1 gear pump
Maximum oil flow ..	30.2 L/min

Hydraulic Motors

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

Relief Valve Settings

Implement circuit	34.3 MPa (350 kgf/cm ²)
Swing circuit	32.3 MPa (330 kgf/cm ²)
Travel circuit	34.3 MPa (350 kgf/cm ²)
Pilot circuit	3.9 MPa (40 kgf/cm ²)
Power boost	38.0 MPa (387 kgf/cm ²)

Hydraulic Cylinders

	Quantity
Boom	2
Arm	1
Bucket	1

UPPERSTRUCTURE

Revolving Frame

D-section frame skirt for resistance to deformation.

Swing Device

Axial piston motor with planetary reduction gear is bathed in oil. Swing circle is single-row. Swing parking brake is spring-set/hydraulic-released disc type.

Swing speed	13.5 min ⁻¹
Swing torque	68 kNm (6 900 kgfm)

Operator's Cab

Independent spacious cab, 1 005 mm wide by 1 675 mm high, conforming to ISO* 10262 OPG Top Guard Level 1.

* International Organization for Standardization

UNDERCARRIAGE

Tracks

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	8
Track shoes	49
Track guard	2

Travel Device

Each track driven by 2-speed axial piston motor. Parking brake is spring-set/hydraulic-released disc type. Automatic transmission system: High-Low.

Travel speeds	High : 0 to 5.5 km/h Low : 0 to 3.5 km/h
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Maximum traction force ..	203 kN (20 700 kgf)
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Gradeability	70% (35 degree) continuous
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SERVICE REFILL CAPACITIES

Fuel tank	400 L
Engine coolant	31.0 L
Engine oil	23.0 L
Swing device	6.0 L
Travel device (each side)	6.8 L
Hydraulic system	240 L
Hydraulic oil tank	135 L

SPECIFICATIONS

ZX210LC-5A

WEIGHTS AND GROUND PRESSURE

Operating weight and Ground pressure

			ZX210LC-5A	
Shoe type	Shoe width	Arm length	kg	kPa (kgf/cm ²)
Triple grouser	600 mm	2.42 m	20 700	43 (0.44)
		2.91 m	20 800	43 (0.44)
	700 mm	2.42 m	21 100	37 (0.38)
		2.91 m	21 200	37 (0.38)

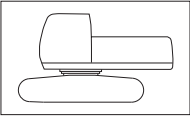
Including 1.1 m³ (ISO heaped) bucket weight (770 kg) and counterweight (4 250kg).

SPECIFICATIONS

ZX210LC-5A

WEIGHT: BASIC MACHINE and COMPONENTS

Basic Machine Weight and Overall width



Excluding front-end attachment, fuel, hydraulic oil, coolant, etc., and including counterweight.

ZX210LC-5A

Shoe width	Weight	Overall width
600 mm	16 800 kg	2 990 mm
700 mm	17 200 kg	3 090 mm

Component weights

	ZX210LC-5A
Counterweight	4 250 kg
Boom (with boom and arm cylinder)	2 100 kg
2.42 m arm (with bucket cylinder)	940 kg
2.91 m arm (with bucket cylinder)	900 kg
1.10 m³ bucket	770 kg

BUCKET AND ARM DIGGING FORCES

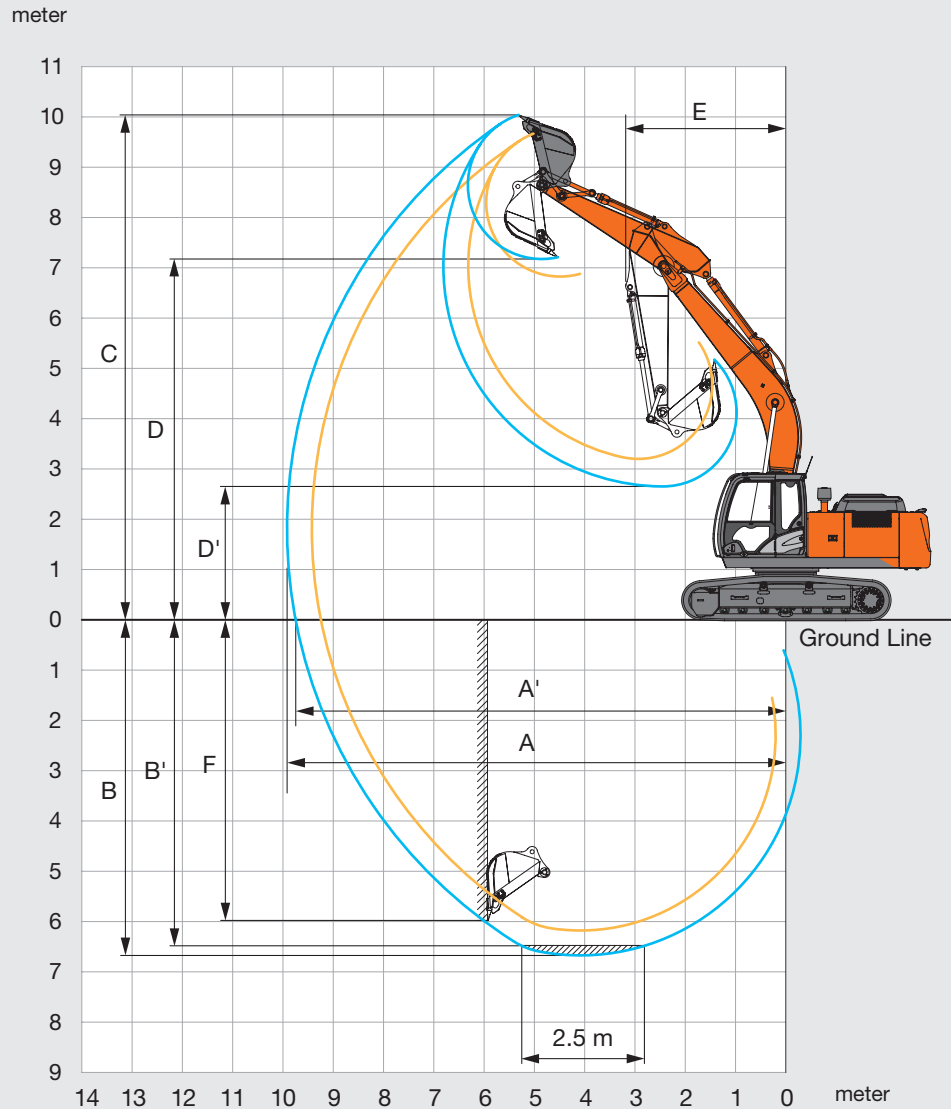
Arm length	2.42 m	2.91 m
Bucket digging force* ISO	158 kN (16 200 kgf)	158 kN (16 200 kgf)
Bucket digging force* SAE	141 kN (14 400 kgf)	141 kN (14 400 kgf)
Arm crowd force* ISO	140 kN (14 200 kgf)	114 kN (11 600 kgf)
Arm crowd force* SAE	133 kN (13 600 kgf)	110 kN (11 200 kgf)

* Calculated value at power boost

SPECIFICATIONS

ZX210LC-5A

WORKING RANGES



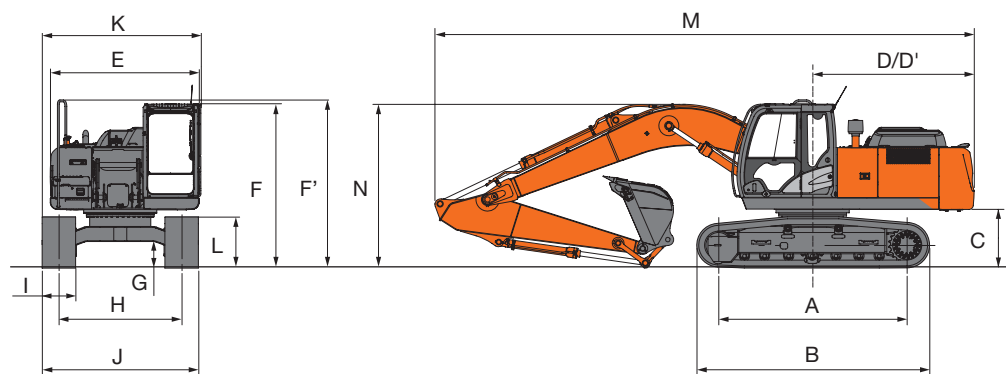
Unit: mm

Arm length	2.42 m	2.91 m
A Max. digging reach	9 430	9 920
A' Max. digging reach (on ground)	9 250	9 750
B Max. digging depth	6 180	6 670
B' Max. digging depth for 2.5 m level	5 950	6 490
C Max. cutting height	9 670	10 040
D Max. dumping height	6 830	7 180
D' Min. dumping height	3 200	2 650
E Min. swing radius	3 280	3 180
F Max. vertical wall digging depth	5 300	5 990

SPECIFICATIONS

ZX210LC-5A

DIMENSIONS



Unit: mm

	ZX210LC-5A
A Distance between tumblers	3 660
B Undercarriage length	4 470
C Counterweight clearance	1 030
D Rear-end swing radius	2 890
D' Rear-end length	2 890
E Overall width of upperstructure	2 710
F Overall height of cab	2 950
F' Overall height of upperstructure	3 010
G Min. ground clearance	450
H Track gauge	2 390
I Track shoe width	G 600
J Undercarriage width	2 990
K Overall width	2 990
L Track height with triple grouser shoes	920
M Overall length	
With 2.42 m arm	9 750
With 2.91 m arm	9 660
N Overall height of boom	
With 2.42 m arm	3 180
With 2.91 m arm	2 940

G: Triple grouser shoes

LIFTING CAPACITIES (Without Bucket)

ZX210LC-5A

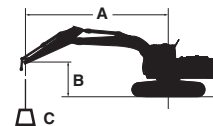
Notes: 1. Ratings are based on ISO 10567.

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

3. The load point is the center-line of the bucket pivot mounting pin on the arm.

4. *Indicates load limited by hydraulic capacity.

5. 0 m = Ground.



A: Load radius

B: Load point height

C: Lifting capacity

For lifting capacities, subtract bucket and quick hitch weight from lifting capacities without bucket.

ZX210LC-5A



Rating over-front



Rating over-side or 360 degrees

Unit : kg

Conditions	Load point height m	Load radius m										At max. reach		
		1.5		3.0		4.5		6.0		7.5		Rating over-front	Rating over-side or 360 degrees	meter
		Rating over-front	Rating over-side or 360 degrees	Rating over-front	Rating over-side or 360 degrees	Rating over-front	Rating over-side or 360 degrees	Rating over-front	Rating over-side or 360 degrees	Rating over-front	Rating over-side or 360 degrees			
Boom 5.68 m	6.0							*5 720	4 880			*5 750	4 020	6.74
Arm 2.42 m	4.5					*7 300	7 300	*6 200	4 730			4 960	3 350	7.48
Counterweight 4 250 kg	3.0					*9 170	6 760	6 800	4 510	4 850	3 260	4 510	3 030	7.87
Shoe 600 mm	1.5					10 170	6 330	6 570	4 300	4 750	3 160	4 360	2 910	7.95
	0 (Ground)					9 950	6 150	6 420	4 160	4 680	3 100	4 480	2 970	7.74
	-1.5			*9 880	*9 880	9 930	6 130	6 380	4 130			4 940	3 260	7.21
	-3.0			*13 180	11 840	*9 690	6 230	6 470	4 210			6 070	3 980	6.28
	-4.5					*6 840	6 520					*6 410	6 120	4.71
	-6.0													
Boom 5.68 m	6.0							*5 190	4 950			*4 010	3 550	7.32
Arm 2.91 m	4.5					*6 580	*6 580	*5 740	4 790	4 980	3 370	*3 950	3 020	8.01
Counterweight 4 250 kg	3.0					*8 490	6 900	*6 610	4 560	4 870	3 270	*4 060	2 760	8.37
Shoe 600 mm	1.5					*10 220	6 420	6 600	4 320	4 750	3 160	3 990	2 660	8.45
	0 (Ground)			*4 820	*4 820	9 980	6 160	6 420	4 160	4 660	3 080	4 080	2 700	8.25
	-1.5	*5 450	*5 450	*9 070	*9 070	9 890	6 090	6 340	4 090	4 630	3 050	4 430	2 930	7.76
	-3.0	*9 940	*9 940	*14 350	11 680	9 960	6 150	6 380	4 130			5 260	3 460	6.90
	-4.5			*11 210	*11 210	*8 080	6 350					*6 220	4 820	5.52
	-6.0													

EQUIPMENT

ZX210LC-5A

Standard and optional equipment may vary by country, so please consult authorized dealer for details.

● : Standard equipment

○ : Optional equipment

	ZX210LC-5A
ENGINE	
Air cleaner double filters	●
Alternator 50 A	●
Auto idle system	●
Auto shut-down control	●
Cartridge-type engine oil filter	●
Cartridge-type fuel main filter	●
Cartridge-type fuel pre-filter with water separator	●
Dry-type air filter with evacuator valve (with air filter restriction indicator)	●
Dust-proof indoor net	●
ECO/PWR mode control	●
Engine oil drain coupler	●
Engine warm-up device	●
Fan guard	●
Fuel cooler	●
Maintenance free pre-cleaner	○
Radiator expansion tank	●

HYDRAULIC SYSTEM	
Auto power lift	●
Control valve with main relief valve	●
Full-flow filter	●
High mesh full flow filter with restriction indicator	○
One extra port for control valve	●
Pilot filter	●
Power boost	●
Suction filter	●
Work mode selector	●

	ZX210LC-5A
CAB	
All-weather sound suppressed steel cab	●
AM-FM radio with 2 speaker	●
Ashtray	●
Auto control air conditioner	●
AUX. terminal and storage	○
Cab (Center pillar reinforced structure)	●
Cigarette lighter 24V	●
Drink holder	●
Drink holder with hot & cool	●
Electric double horn	●
Engine shut-off switch	●
Evacuation hammer	●
Floor mat	●
Footrest	●
Front window washer	●
Front windows on upper, lower and left side can be opened	●
Glove compartment	●
Hot & cool box	●
Intermittent windshield wipers	●
Key cylinder light	●
LED room light with door courtesy	●
OPG top guard Level I (ISO10262) compliant cab	●
Pilot control shut-off lever	●
Rain guard	○
Rear tray	●
Retractable seat belt	●
ROPS (ISO 12117-2) compliant cab	●
Rubber radio antenna	●
Seat : air suspension seat with heater	●
Seat : mechanical suspension seat	○
Seat adjustment part : backrest, armrest, height and angle, slide forward / back	●
Short wrist control levers (Bold type)	○
Short wrist control levers (Slim type)	●
Lower cab front guard	○
Upper cab front guard	○
4 fluid-filled elastic mounts	●
12V power source	●

	ZX210LC-5A
MONITOR SYSTEM	
Alarms: overheat, engine warning, engine oil pressure, alternator, minimum fuel level, hydraulic filter restriction, air filter restriction, work mode, overload, etc	●
Alarm buzzers: overheat, engine oil pressure, overload	●
Display of meters: water temperature, hour, fuel rate, clock	●
Other displays: work mode, auto-idle, glow, rearview monitor, operating conditions, etc	●
32 languages selection	●

LIGHTS	
Additional boom light with cover	○
Additional cab roof front lights	●
Rear light	○
2 working lights	●

UPPER STRUCTURE	
Batteries 2 x 12 V	●
Counterweight 3 850 kg	○
Counterweight 4 250 kg	●
Electric fuel refilling pump	○
Fuel level float	●
Hydraulic oil level gauge	●
Lockable fuel refilling cap	●
Lockable machine covers	●
Rear view camera	●
Rear view mirror (right & left side)	○
Swing parking brake	●
Tool box	●
Undercover	●
Undercover 6.0 mm reinforced	○
Utility space	●

	ZX210LC-5A
UNDERCARRIAGE	
Bolt-on sprocket	●
Reinforced lower flange	—
Reinforced idler bracket	—
Reinforced side step	—
Reinforced track links with pin seals	●
Shoe: 600 mm triple grouser	●
Shoe: 700 mm triple grouser	○
Track undercover 9.0 mm reinforced	—
Travel direction mark on track frame	●
Travel motor covers	●
Travel parking brake	●
Upper and lower rollers	●
2 track guards (each side)	●
4 tie down brackets	●

FRONT ATTACHMENTS	
Arm 2.42 m	○
Arm 2.91 m	●
Boom 5.68 m	●
Bucket 0.80 m³ (ISO heaped)	○
Bucket 1.10 m³ (ISO heaped)	●
Centralized lubrication system	●
Dirt seal on all bucket pins	●
Flanged pin	●
Reinforced link B	—
Reinforced resin thrust plate	●
WC (tungsten-carbide) thermal spraying	●

ATTACHMENTS	
Additional pump	○
Assist piping	○
Attachment basic piping	○
Breaker and crusher piping	○
Line filter	○
Parts for breaker and crusher	○
Pilot accumulator	○
2 pump combined flow for attachment basic piping	○

MISCELLANEOUS	
Global e-Service	●
Onboard information controller	●
Skid-resistant plates and handrails	●
Standard tool kit	●
Swing motion alarm device with lumps	○
Travel motion alarm device	○



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Before using a machine with a satellite or tele-communication system, please make sure that the satellite or tele-communication system complies with local regulations, safety standards and legal requirements. If not so, please make modifications accordingly.

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These specifications are subject to change without notice.

Illustrations and photos show the standard models, and may or may not include optional equipment, accessories, and all standard equipment with some differences in color and features.

Before using, please read and understand the Operator's Manual for proper operation.