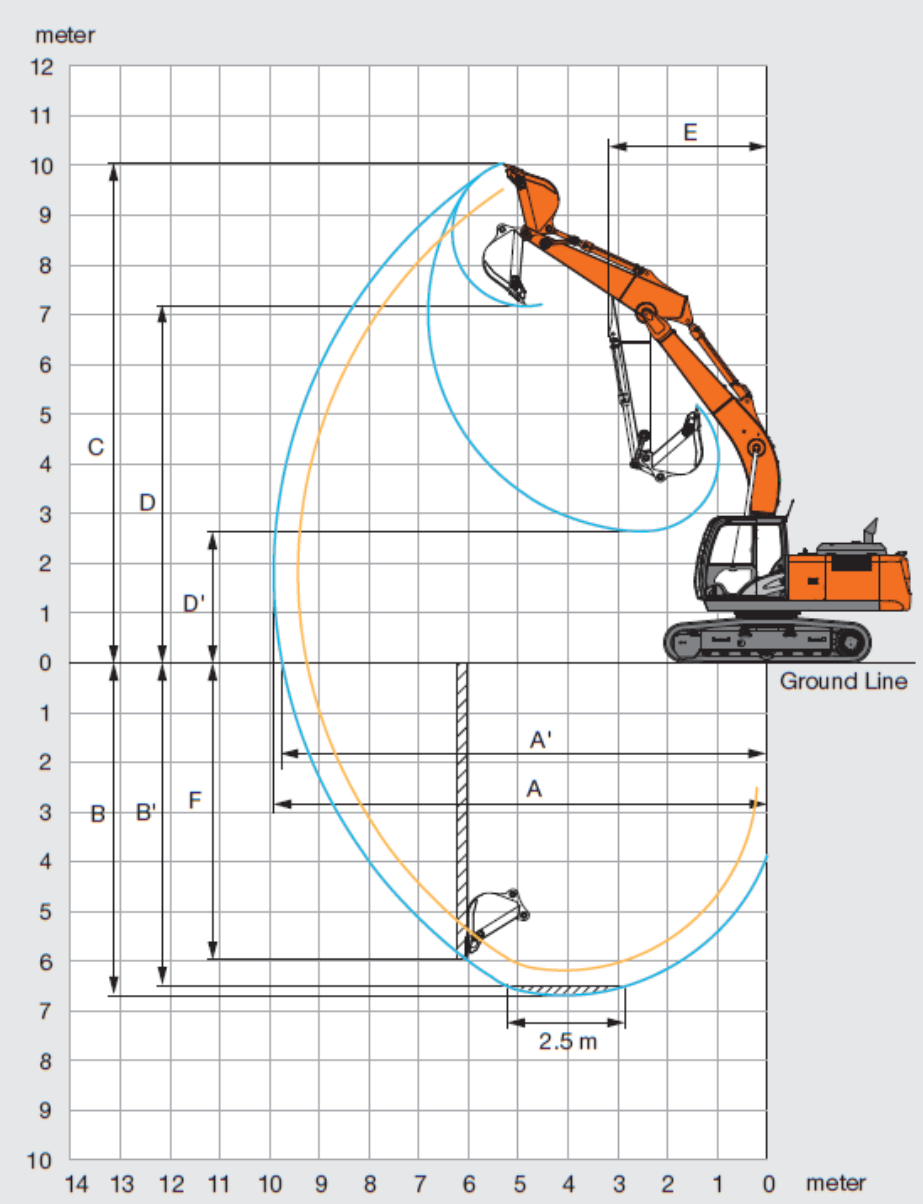
Working Ranges

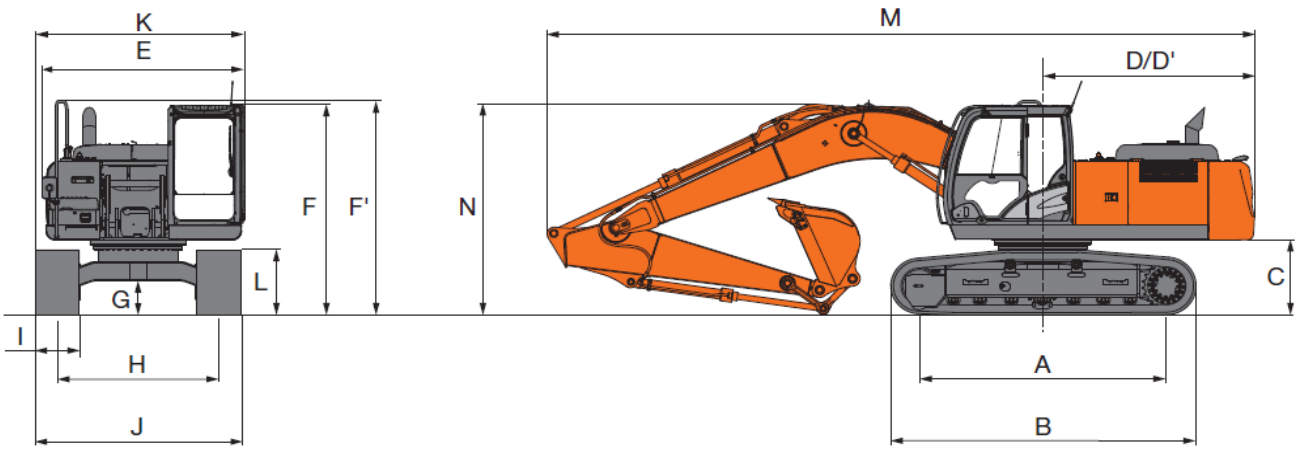


Unit: mm

	ZAXIS 200 / ZAXIS 210LC	
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

Excluding track shoe lug

Dimensions



Unit: mm

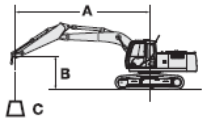
	ZAXIS 200	ZAXIS 210LC
A Distance between tumblers	3 370	3 660
B Undercarriage length	4 170	4 460
* C Counterweight clearance	1 030	1 030
D Rear-end swing radius	2 890	2 890
D' Rear-end length	2 890	2 890
E Overall width of upperstructure	2 710	2 710
F Overall height of cab	2 950	2 950
F' Over height of upperstructure	3 010	3 010
* G Min. ground clearance	450	450
H Track gauge	2 200	2 390
I Track shoe width	G 600	G 600
J Undercarriage width	2 800	2 990
K Overall width	2 860	2 990
* L Track height with triple grouser shoes	920	920
M Overall length		
With arm 2.42 m	9 750	9 750
With arm 2.91 m	9 660	9 660
N Overall height of boom		
With arm 2.42 m	3 180	3 180
With arm 2.91 m	2 940	2 940

* Excluding track shoe lug G: Triple grouser shoe

LIFTING CAPABILITIES

HITACHI ZX200-5G

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.

ZAXIS 200

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

Conditions	Load point height m	Load radius m 1.5		3.0		4.5		6.0		7.5		9.0		At max. reach		
																meter
Boom 5.68 m Arm 2.42 m Counterweight 4 250 kg Shoe 600 mm	6.0							*5 740	4 820					*5 780	3 980	6.74
	4.5					*7 330	7 210	*6 220	4 680					4 920	3 310	7.48
	3.0					*9 190	6 670	6 750	4 450	4 820	3 220			4 470	2 990	7.87
	1.5					10 070	6 240	6 510	4 240	4 710	3 120			4 330	2 880	7.95
	0 (Ground)					9 850	6 050	6 360	4 100	4 640	3 060			4 450	2 940	7.74
	-1.5			*9 910	*9 910	9 830	6 030	6 320	4 070					4 900	3 220	7.21
	-3.0			*13 190	11 650	*9 710	6 130	6 410	4 150					6 020	3 920	6.28
	-4.5					*6 860	6 430							*6 430	6 030	4.71
Boom 5.68 m Arm 2.91 m Counterweight 4 250 kg Shoe 600 mm	6.0							*5 220	4 900					*4 040	3 510	7.32
	4.5					*6 610	*6 610	*5 770	4 740	4 950	3 340			*3 990	2 990	8.01
	3.0					*8 510	6 810	*6 640	4 500	4 840	3 230			4 080	2 720	8.37
	1.5					10 180	6 320	6 540	4 270	4 710	3 120			3 960	2 620	8.45
	0 (Ground)			*4 850	*4 850	9 870	6 060	6 360	4 100	4 620	3 040			4 040	2 670	8.25
	-1.5	*5 480	*5 480	*9 100	*9 100	9 790	5 990	6 280	4 030	4 590	3 010			4 390	2 890	7.76
	-3.0	*9 970	*9 970	*14 360	11 490	9 860	6 050	6 320	4 070					5 210	3 410	6.90
	-4.5			*11 230	*11 230	*8 100	6 260							*6 240	4 750	5.52

ZAXIS 210LC

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

Conditions	Load point height m	Load radius m 1.5		3.0		4.5		6.0		7.5		9.0		At max. reach		
																meter
Boom 5.68 m Arm 2.42 m Counterweight 4 250 kg Shoe 600 mm	6.0							*5 740	5 330					*5 780	4 400	6.74
	4.5					*7 330	*7 330	*6 220	5 180					5 560	3 670	7.48
	3.0					*9 190	7 460	*7 020	4 950	5 460	3 570			5 070	3 320	7.87
	1.5					*10 700	7 010	7 440	4 730	5 350	3 480			4 910	3 200	7.95
	0 (Ground)					*11 220	6 820	7 280	4 590	5 280	3 410			5 050	3 280	7.74
	-1.5			*9 910	*9 910	*10 890	6 800	7 240	4 550					5 580	3 590	7.21
	-3.0			*13 190	*13 190	*9 710	6 910	*7 150	4 640					*6 660	4 380	6.28
	-4.5					*6 860	*6 860							*6 430	*6 430	4.71
Boom 5.68 m Arm 2.91 m Counterweight 4 250 kg Shoe 600 mm	6.0							*5 220	*5 220					*4 040	3 890	7.32
	4.5					*6 610	*6 610	*5 770	5 240	*5 390	3 700			*3 990	3 310	8.01
	3.0					*8 510	7 610	*6 640	5 000	5 480	3 590			*4 100	3 030	8.37
	1.5					*10 240	7 110	7 480	4 760	5 350	3 480			*4 380	2 930	8.45
	0 (Ground)			*4 850	*4 850	*11 100	6 840	7 290	4 590	5 260	3 390			4 590	2 980	8.25
	-1.5	*5 480	*5 480	*9 100	*9 100	*11 070	6 760	7 200	4 520	5 230	3 360			5 000	3 230	7.76
	-3.0	*9 970	*9 970	*14 360	13 230	*10 210	6 820	7 240	4 550					5 940	3 810	6.90
	-4.5			*11 230	*11 230	*8 100	7 040							*6 240	5 310	5.52

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LATTEY

ENGINE

Model	Isuzu AM-4HK1X
Type	4-cycle water-cooled, common rail direct injection
Aspiration	Variable geometry turbocharged, intercooled, cooled EGR
After treatment	Muffler filter
No. of cylinders	4
Rated power	
ISO 14396	128 kW at 2 000 min^{-1}
ISO 9249, net	122 kW at 2 000 min^{-1}
EEC 80/1269, net	122 kW at 2 000 min^{-1}
SAE J1349, net	122 kW at 2 000 min^{-1}
Maximum torque	652 Nm at 1 500 min^{-1}
Piston displacement	5.190 L
Bore and stroke	115 mm x 125 mm
Batteries	2 x 12 V / 126 Ah

HYDRAULIC SYSTEM

Hydraulic Pumps

Main pumps	3 variable displacement axial piston pumps
Maximum oil flow	2 x 212 L/min 1 x 189 L/min
Pilot pump	1 gear pump
Maximum oil flow	33.6 L/min

Hydraulic Motors

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

Relief Valve Settings

Implement circuit	34.3 MPa
Swing circuit	32.4 MPa
Travel circuit	35.5 MPa
Pilot circuit	3.90 MPa
Power boost	38.0 MPa

Hydraulic Cylinders

	Quantity	Bore	Rod diameter
Boom	2	120 mm	85 mm
Arm	1	135 mm	95 mm
Bucket	1	115 mm	80 mm

UPPERSTRUCTURE

Revolving Frame

D-section frame 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	11.8 min^{-1}
Swing torque	68 kNm

Operator's Cab

Independent spacious cab, 1 005 mm wide by 1 675 mm high, conforming to ISO* Standards.
* 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	7 : ZAXIS 200 8 : ZAXIS 210LC
Track shoes	46 : ZAXIS 200 49 : ZAXIS 210LC
Track guard	1

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 3.4 km/h
Maximum traction force	203 kN
Gradeability	70% (35 degree) continuous

SOUND LEVEL

Sound level in cab according to ISO 6396	LpA 69 dB(A)
External sound level according to ISO 6395 and EU Directive 2000/14/EC	LwA 101 dB(A)

SERVICE REFILL CAPACITIES

Fuel tank	400 L
Engine coolant	25.0 L
Engine oil	23.0 L
Swing device	6.20 L
Travel device (each side)	6.80 L
Hydraulic system	240 L
Hydraulic oil tank	135 L

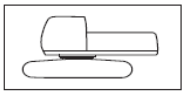
Weights and ground pressure

Operating Weight and Ground Pressure

			ZAXIS 200*		ZAXIS 210LC*	
Shoe type	Shoe width	Arm length	kg	kPa	kg	kPa
Triple grouser	600 mm	2.42 m	20 200	45	20 800	43
		2.91 m	20 300	45	20 800	43
	700 mm	2.42 m	20 600	39	21 200	37
		2.91 m	20 600	39	21 200	37
	800 mm	2.42 m	20 900	35	21 500	33
		2.91 m	20 900	35	21 500	33
	900 mm	2.42 m	-	-	21 800	30
		2.91 m	-	-	21 800	30

* Including 0.80 m³ (ISO heaped), bucket weight (660 kg) and counterweight (4 250 kg).

Basic Machine Weight and Overall Width



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

ZAXIS 200

Shoe width	Weight	Overall width
600 mm	15 800 kg	2 860 mm
700 mm	16 100 kg	2 910 mm
800 mm	16 400 kg	3 000 mm

ZAXIS 210LC

Shoe width	Weight	Overall width
600 mm	16 300 kg	2 990 mm
700 mm	16 700 kg	3 090 mm
800 mm	17 000 kg	3 190 mm
900 mm	17 300 kg	3 290 mm

Components Weight

	Weight
Counterweight	4 250 kg
Boom 5.68 m (with arm cylinder and boom cylinder)	2 280 kg
Arm 2.42 m (with bucket cylinder)	870 kg
Arm 2.91 m (with bucket cylinder)	940 kg
Bucket 0.80 m³	660 kg

Bucket and arm digging force

	ZAXIS 200 / ZAXIS 210LC	
Arm length	2.42 m	2.91 m
Bucket digging force* ISO	158 kN	
Bucket digging force* SAE	141 kN	
Arm crowd force* ISO	140 kN	114 kN
Arm crowd force* SAE	133 kN	110 kN

* At power boost

Bucket and arm digging force

Boom and arms are of welded, box-section design. 5.68 m boom, and 2.42 m and 2.91 m arms are available.
Bucket is of welded steel structure. Side clearance adjust mechanism provided on the bucket joint bracket.

Buckets

Capacity	Width		No. Of teeth	Weight	Recommendation			
					ZAXIS 200		ZAXIS 210LC	
ISO heaped	Without side cutters	With side cutters			Arm 2.42 m	Arm 2.91 m	Arm 2.42 m	Arm 2.91 m
0.80 m³	1 030 mm	1 140 mm	5	660 kg	◎	◎	◎	◎
0.91 m³	1 150 mm	1 260 mm	5	700 kg	◎	○	◎	◎
1.10 m³	1 330 mm	1 440 mm	6	770 kg	□	–	○	○

◎ Suitable for materials with density of 2 000 kg/m³ or less
○ Suitable for materials with density of 1 600 kg/m³ or less
□ Suitable for materials with density of 1 100 kg/m³ or less
– Not applicable