

ZAXIS210 / 225_{us} / 225_{usR}



HYDRAULIC EXCAVATOR

Model Code : ZX210LC-7 / ZX210LCN-7

Engine Rated Power : 128.4 kW

Operating Weight : 21 900 - 23 900 kg

Bucket Capacity : 0.51 – 1.2 m³

ZX225USLC-7

128.4 kW

25 600 – 29 100 kg

0.51 – 1.2 m³

ZX225USRLC-7

128.4 kW

24 800 - 25 800 kg

0.51 – 1.2 m³

SPECIFICATIONS

ENGINE

Model	Isuzu 4HK1
Type	4-cycle water-cooled, common rail direct injection
Aspiration	Variable geometry turbocharged, intercooled, cooled EGR
Aftertreatment	DOC+CSF+SCR system
No. of cylinders	4
Rated power	
ISO 14396 : 2002	128.4 kW at 2 000 min ⁻¹
ISO 9249 : 2007	122 kW at 2 000 min ⁻¹
Maximum torque	670 Nm at 1 600 min ⁻¹
Piston displacement	5.193 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	1 x 184 L/min 2 x 212 L/min
Pilot pump	1 gear pump
Maximum oil flow	33.7 L/min

Hydraulic Motors

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

Relief Valve Settings

Implement circuit	34.3 MPa
Swing circuit	32.4 MPa
Travel circuit	34.3 MPa
Pilot circuit	3.9 MPa
Power boost	38.0 MPa

Hydraulic Cylinders

ZX210LC-7 / ZX210LCN-7

ZX225USLC-7

Unit: mm

	Quantity	Bore	Rod diameter
Boom	2	120	85
Arm	1	135	95
Bucket	1	115	80
Positioning *1	1	150	100

*1 : For 2-piece boom

ZX225USRLC-7

Unit: mm

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

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	11.4 min ⁻¹
Swing torque	68 kNm

UNDERCARRIAGE

Tracks

Tractor-type undercarriage. Welded track frame using selected materials. Side frame welded to track frame. Lubricated track rollers, idlers, and sprockets with floating seals.

Track shoes with triple grousers made of induction-hardened rolled alloy.

Heat-treated connecting pins with dirt seals. Hydraulic (grease) track adjusters with shock-absorbing recoil springs.

Numbers of Rollers and Shoes on Each Side

	ZX210LC-7 / ZX210LCN-7	ZX225USLC-7	ZX225USRLC-7
Upper rollers	2	2	2
Lower rollers	8	8	8
Track shoes	49	49	49
Track guards	2	3	3

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

Gradeability 70% (35 degree) continuous

ENVIRONMENT

Engine Emissions

EU Stage V

Sounds Level

ZX210LC-7 / ZX210LCN-7

Sound level in cab according to ISO 6396 : 2008 LpA 70 dB(A)

External sound level according to ISO 6395 : 2008 and

EU Directive 2000/14/EC LwA 101 dB(A) / LwA 102 dB(A)

ZX225USLC-7

Sound level in cab according to ISO 6396 : 2008..... LpA 66 dB(A)

External sound level according to ISO 6395 : 2008 and

EU Directive 2000/14/EC LwA 101 dB(A)

ZX225USRLC-7

Sound level in cab according to ISO 6396 : 2008 LpA 68 dB(A)

External sound level according to ISO 6395 : 2008 and

EU Directive 2000/14/EC LwA 100 dB(A)

Air Conditioning System

The air conditioning system contains fluorinated greenhouse gases.

Refrigerant type: HFC-134a, GWP: 1 430, Amount: 0.85 kg, CO₂e: 1.22 ton.

SERVICE REFILL CAPACITIES

Unit: L

	ZX210LC-7 / ZX210LCN-7	ZX225USLC-7	ZX225USRLC-7
Fuel tank	400.0 / 300.0	380.0	380.0
Engine coolant	28.0	28.0	28.0
Engine oil	23.0	23.0	23.0
Swing device	6.9	6.9	6.9
Travel device (each side)	6.8	6.8	6.8
Hydraulic system	240.0 / 220.0	240.0	240.0
Hydraulic oil tank	135.0 / 120.0	130.0	130.0
DEF/AdBlue® tank	57.0 / 35.0	16.0	16.0

WEIGHTS AND GROUND PRESSURE

Operating Weight and Ground Pressure

			ZX210LC-7*1				ZX210LCN-7*2			
Boom type			Monoblock		2-Piece		Monoblock		2-Piece	
Shoe type	Shoe width (mm)	Arm length (m)	kg	kPa	kg	kPa	kg	kPa	kg	kPa
Triple grouser	500	2.42	–	–	–	–	21 900	55	22 400	56
		2.91	–	–	–	–	22 000	55	22 500	56
	600	2.42	22 500	47	23 000	48	22 200	46	22 700	47
		2.91	22 600	47	23 100	48	22 300	46	22 700	47
	700	2.42	22 800	41	23 300	41	–	–	–	–
		2.91	22 800	41	23 300	41	–	–	–	–
	800	2.42	23 100	36	23 600	37	–	–	–	–
		2.91	23 100	36	23 600	37	–	–	–	–
	900	2.42	23 400	32	23 900	33	–	–	–	–
		2.91	23 400	32	23 900	33	–	–	–	–
Pad	600	2.42	22 800	47	23 300	48	–	–	–	–
		2.91	22 800	47	23 300	48	–	–	–	–

*1 Including 0.80 m³ (ISO 7451 : 2007 heaped) bucket weight (660 kg) and counterweight (4 850 kg).

*2 Including 0.80 m³ (ISO 7451 : 2007 heaped) bucket weight (660 kg) and counterweight (4 700 kg).

			ZX225USLC-7				ZX225USLC-7 with blade (optional)			
Boom type			Monoblock		2-Piece		Monoblock		2-Piece	
Shoe type	Shoe width (mm)	Arm length (m)	kg	kPa	kg	kPa	kg	kPa	kg	kPa
Triple grouser	600	2.42	25 600	53	26 400	55	27 600	57	28 400	59
		2.91	25 700	53	26 500	55	27 600	57	28 400	59
	700	2.42	26 000	46	26 800	48	27 900	50	28 700	51
		2.91	26 000	46	26 800	48	28 000	50	28 800	51
	800	2.42	26 300	41	27 100	42	28 200	44	29 000	45
		2.91	26 400	41	27 200	42	28 300	44	29 100	45
	900	2.42	26 600	37	–	–	–	–	–	–
		2.91	26 600	37	–	–	–	–	–	–
Pad	600	2.42	25 700	53	–	–	–	–	–	–
		2.91	25 700	53	–	–	–	–	–	–

Including 0.80 m³ (ISO 7451 : 2007 heaped) bucket weight (660 kg) and counterweight (7 280 kg).

			ZX225USRLC-7	
Boom type			Monoblock	
Shoe type	Shoe width (mm)	Arm length (m)	kg	kPa
Triple grouser	600	2.42 m	24 800	51
		2.91 m	24 900	52
	700	2.42 m	25 100	45
		2.91 m	25 200	45
	800	2.42 m	25 500	40
		2.91 m	25 500	40
	900	2.42 m	25 700	36
		2.91 m	25 800	36
Pad	600	2.42 m	24 800	52
		2.91 m	24 900	52

Including 0.80 m³ (ISO 7451 : 2007 heaped) bucket weight (660 kg) and counterweight (6 320 kg).

SPECIFICATIONS

BASIC MACHINE WEIGHT AND COMPONENTS WEIGHT

Basic Machine Weight and Overall Width

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

Shoe type	Shoe width (mm)	ZX210LC-7		ZX210LCN-7	
		Weight (kg)	Overall width (mm)	Weight (kg)	Overall width (mm)
Triple grouser	500	–	–	17 500	2 500
	600	17 900	2 990	17 700	2 600
	700	18 100	3 090	–	–
	800	18 400	3 190	–	–
	900	18 700	3 290	–	–
Pad shoe	600	18 100	2 990	–	–

Shoe type	Shoe width (mm)	ZX225USLC-7		ZX225USLC-7 with blade (optional)	
		Weight (kg)	Overall width (mm)	Weight (kg)	Overall width (mm)
Triple grouser	600	21 100	2 990	23 000	2 990
	700	21 400	3 090	23 300	3 090
	800	21 700	3 190	23 700	3 190
	900	22 000	3 290	–	–
Pad shoe	600	21 100	2 990	–	–

Shoe type	Shoe width (mm)	ZX225USRLC-7	
		Weight (kg)	Overall width (mm)
Triple grouser	600	20 300	2 990
	700	20 600	3 090
	800	20 900	3 190
	900	21 200	3 290
Pad shoe	600	20 300	2 990

Components Weight

Unit: kg

	ZX210LC-7	ZX210LCN-7	ZX225USLC-7	ZX225USRLC-7
Counterweight	4 850	4 700	7 280	6 320
Monoblock boom (with arm cylinder and boom cylinder)	2 310	2 310	2 230	2 230
2-Piece boom (with arm cylinder and boom cylinder)	2 990	2 990	2 990	–
Arm 2.42 m (with bucket cylinder)	1 030	1 030	1 030	1 030
Arm 2.91 m (with bucket cylinder)	1 080	1 080	1 080	1 080
Bucket ISO 7451 : 2007 0.80 m³	660	660	660	660

BUCKET AND ARM DIGGING FORCE

Unit: kN

Arm length	ZX210LC-7 / ZX210LCN-7		ZX225USLC-7		ZX225USRLC-7	
	2.42 m	2.91 m	2.42 m	2.91 m	2.42 m	2.91 m
Bucket digging force* ISO 6015 : 2006	158	158	158	158	158	158
Arm crowd force* ISO 6015 : 2006	140	114	140	114	140	114

* At power boost

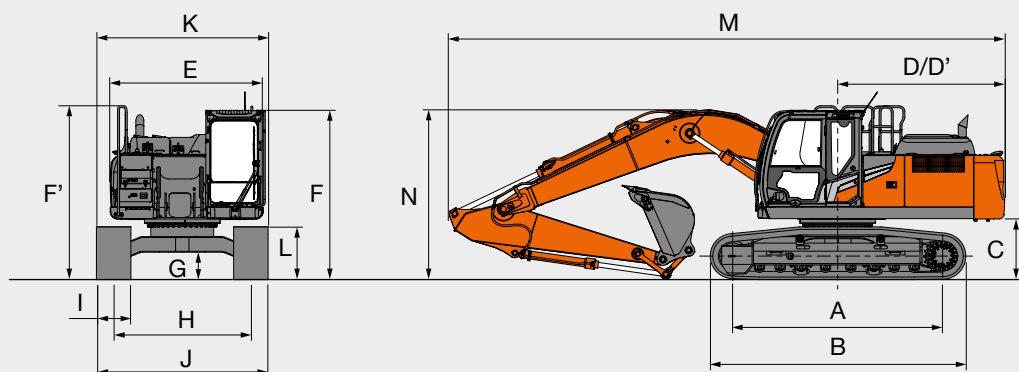
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SPECIFICATIONS

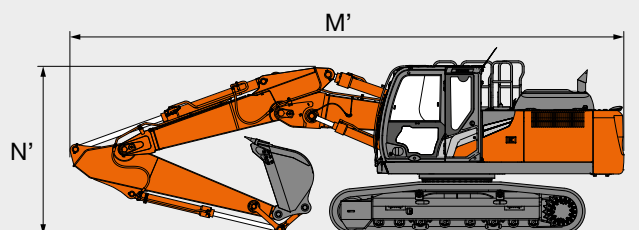
ZX210LC-7 / ZX210LCN-7

DIMENSIONS

MONOBLOCK BOOM



2-PIECE BOOM



Unit: mm

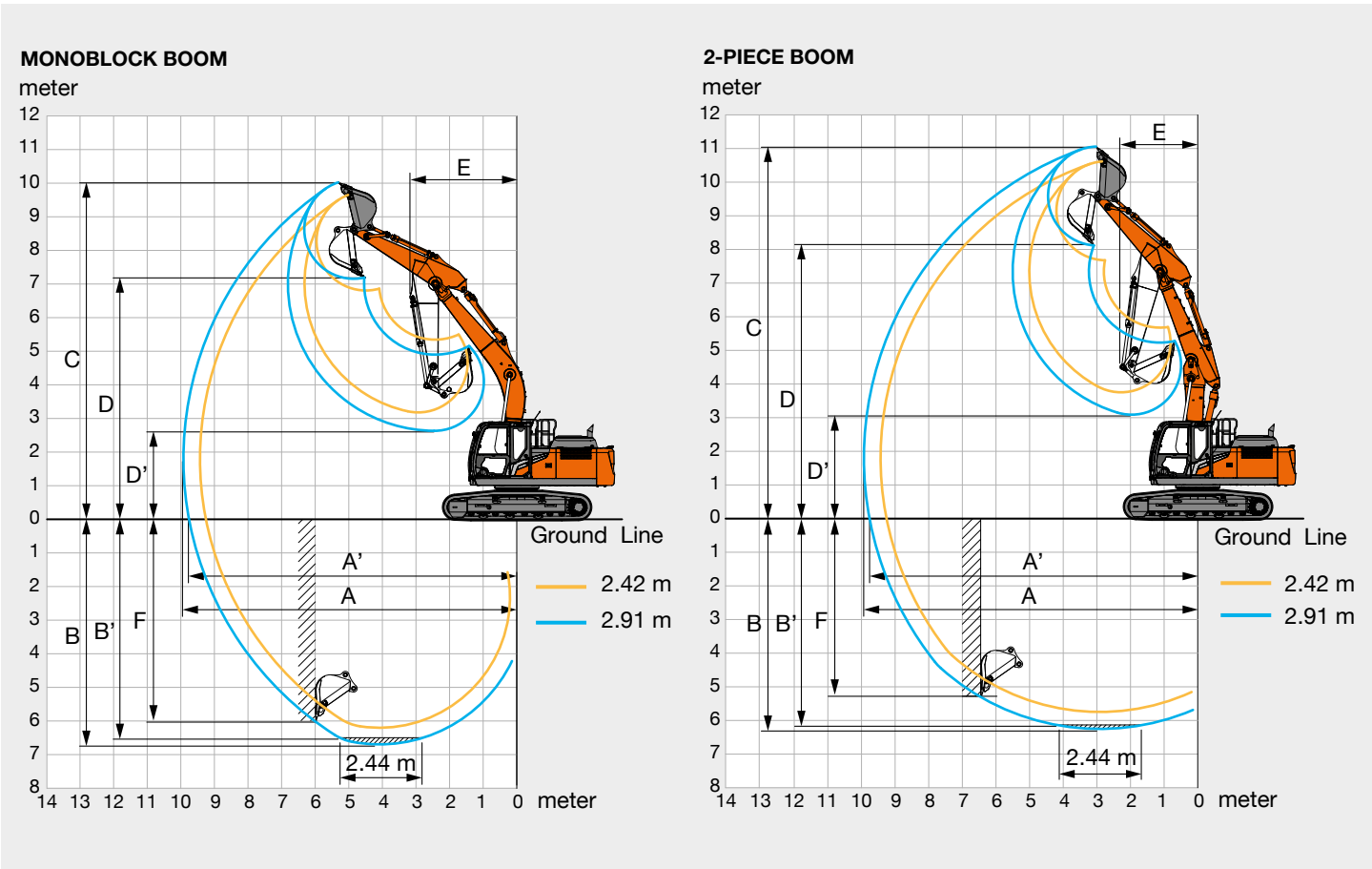
	ZX210LC-7	ZX210LCN-7
A Distance between tumblers	3 660	3 660
B Undercarriage length	4 450	4 450
* C Counterweight clearance	990	980
D Rear-end swing radius	2 910	2 890
D' Rear-end length	2 910	2 890
E Overall width of upperstructure	2 700	2 480
F Overall height of cab	2 950	2 950
F' Overall height of handrail	3 030	3 030
* G Min. ground clearance	450	450
H Track gauge	2 390	1 980
I Track shoe width	G 600	G 500
J Undercarriage width	2 990	2 480
K Overall width	2 990	2 500
* L Track height with triple grouser shoes	900	900
MONOBLOCK BOOM		
M Overall length		
With arm 2.42 m	9 770	9 740
With arm 2.91 m	9 670	9 650
N Overall height of boom		
With arm 2.42 m	3 200	3 200
With arm 2.91 m	3 000	3 000
2-PIECE BOOM		
M' Overall length		
With arm 2.42 m	9 700	9 680
With arm 2.91 m	9 650	9 630
N' Overall height of boom		
With arm 2.42 m	3 060	3 060
With arm 2.91 m	2 910	2 910

* Excluding track shoe lug G:Triple Grouser shoe

SPECIFICATIONS

ZX210LC-7 / ZX210LCN-7

WORKING RANGES



Unit: mm

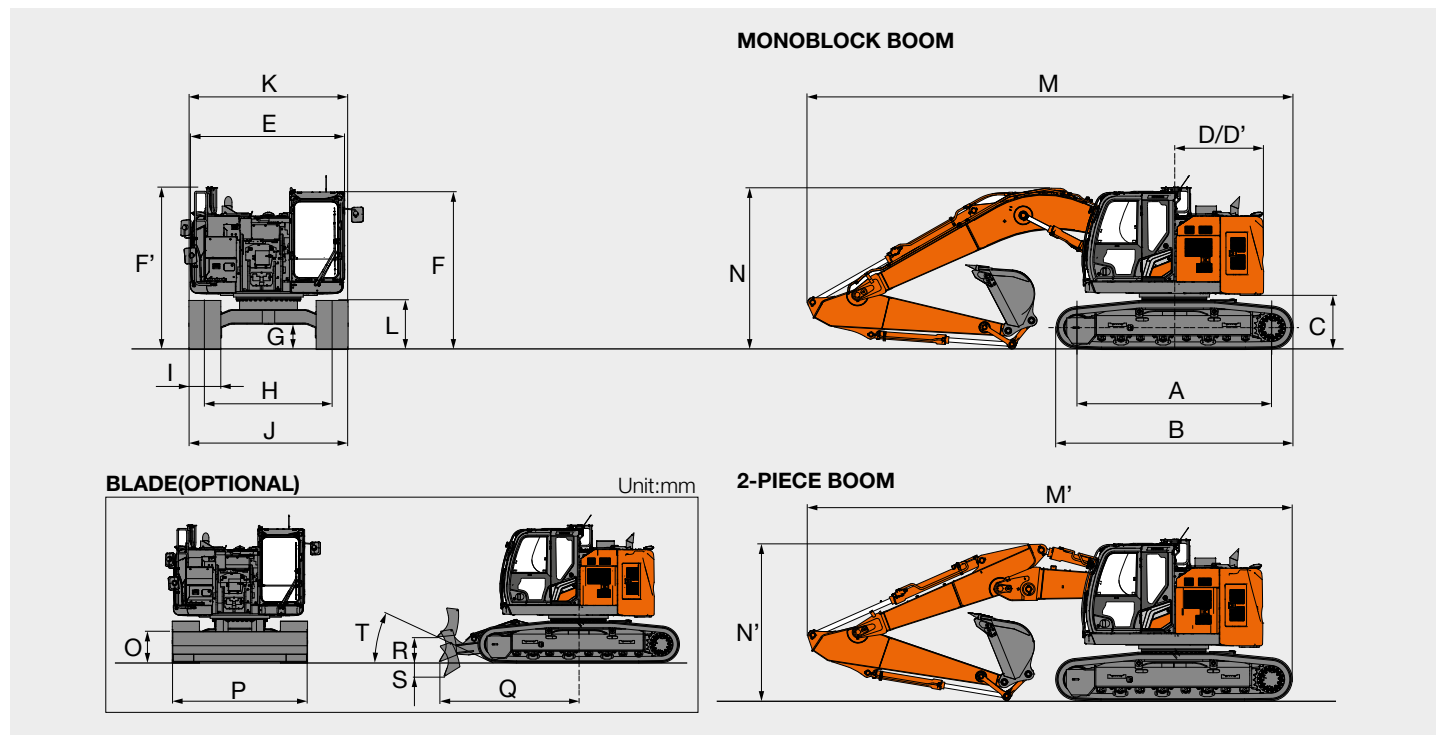
	ZX210LC-7 / ZX210LCN-7		ZX210LC-7 / ZX210LCN-7	
	Monoblock boom		2-Piece boom	
Arm length	2.42 m	2.91 m	2.42 m	2.91 m
A Max. digging reach	9 430	9 920	9 430	9 930
A' Max. digging reach (on ground)	9 250	9 750	9 250	9 750
B Max. digging depth	6 180	6 670	5 720	6 230
B' Max. digging depth for 2.44 m level	5 950	6 480	5 610	6 120
C Max. cutting height	9 670	10 040	10 640	11 080
D Max. dumping height	6 830	7 180	7 700	8 150
D' Min. dumping height	3 200	2 650	3 780	3 110
E Min. swing radius	3 280	3 180	2 630	2 320
F Max. vertical wall digging depth	5 300	5 990	4 720	5 280

Excluding track shoe lug

SPECIFICATIONS

ZX225USLC-7

DIMENSIONS



Unit: mm

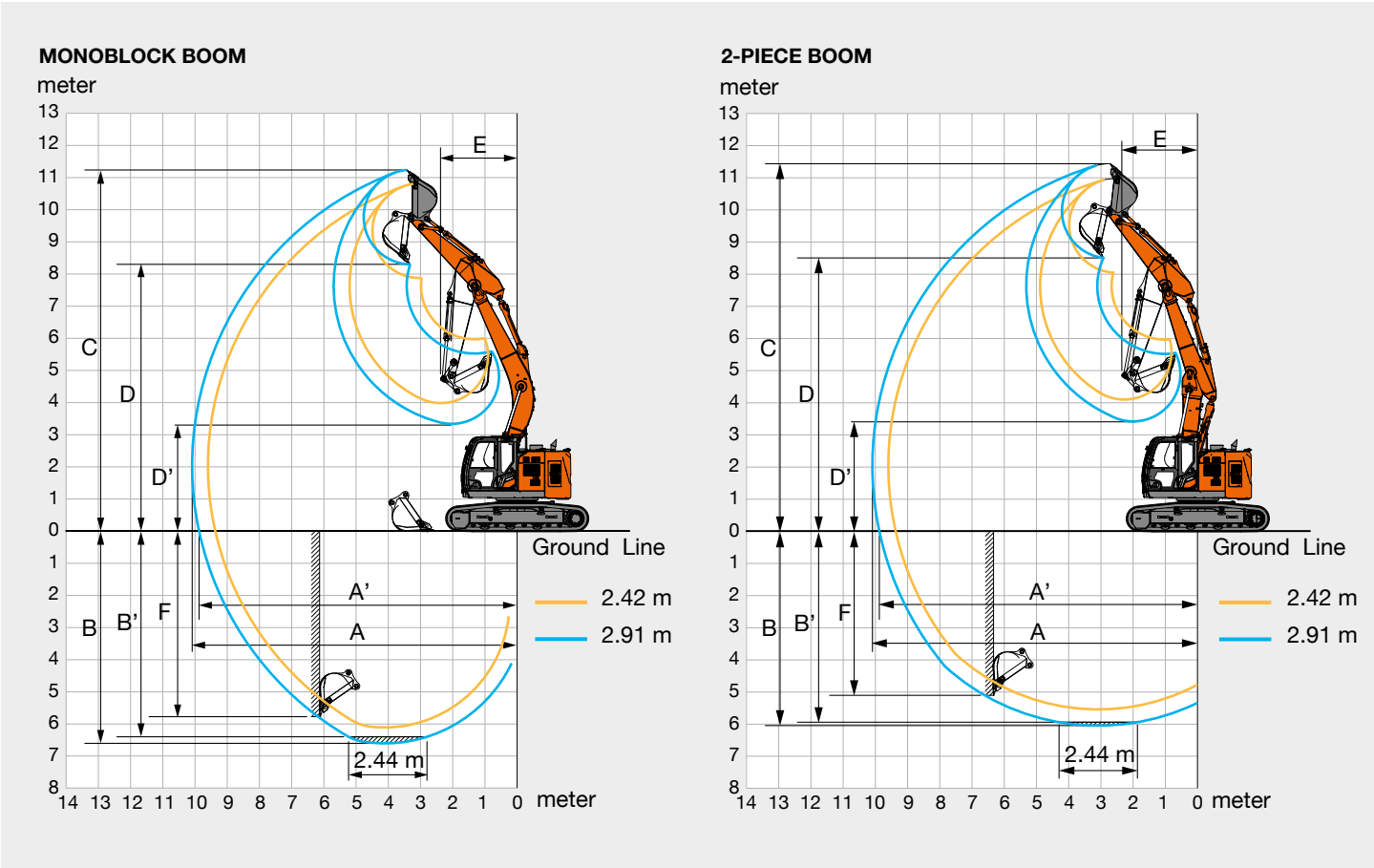
	ZX225USLC-7
A Distance between tumblers	3 660
B Undercarriage length	4 460
* C Counterweight clearance	990
D Rear-end swing radius	1 680
D' Rear-end length	1 680
E Overall width of upperstructure	2 900
F Overall height of cab	2 960
F' Overall height of guardrail	3 050
F'' Overall height of handhold (on cab)	3 040
* 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	900
MONOBLOCK BOOM	
M Overall length	
With arm 2.42 m	9 270
With arm 2.91 m	9 120
N Overall height of boom	
With arm 2.42 m	3 270
With arm 2.91 m	3 030
2-PIECE BOOM	
M' Overall length	
With arm 2.42 m	9 220
With arm 2.91 m	9 120
N' Overall height of boom	
With arm 2.42 m	3 140
With arm 2.91 m	2 950
O Blade height	715
P Blade width	2 990
Q Distance between the front end of blade and the axis of rotation	3 070
R Blade maximum lifting	540
S Blade maximum lowering	320
T Blade approach angle	25 °

* Excluding track shoe lug G: Triple grouser shoe

SPECIFICATIONS

ZX225USLC-7

WORKING RANGES



Unit: mm

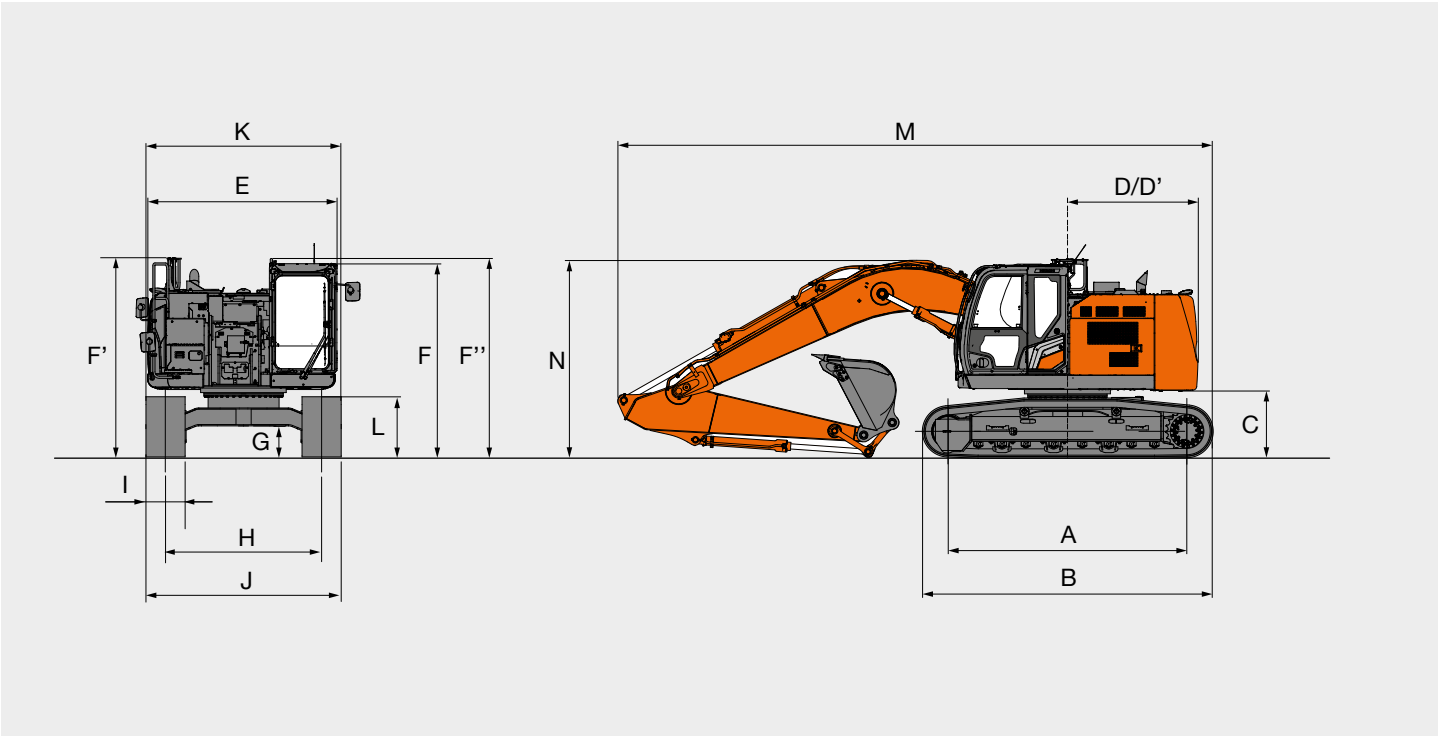
	ZX225USLC-7			
	Monoblock boom		2-Piece boom	
Arm length	2.42 m	2.91 m	2.42 m	2.91 m
A Max. digging reach	9 620 mm	10 110 mm	9 620 mm	10 120 mm
A' Max. digging reach (on ground)	9 390 mm	9 900 mm	9 400 mm	9 900 mm
B Max. digging depth	6 120 mm	6 610 mm	5 550 mm	6 050 mm
B' Max. digging depth for 2.44 m level	5 870 mm	6 410 mm	5 430 mm	5 950 mm
C Max. cutting height	10 800 mm	11 230 mm	10 980 mm	11 430 mm
D Max. dumping height	7 870 mm	8 290 mm	8 040 mm	8 500 mm
D' Min. dumping height	3 970 mm	3 330 mm	4 090 mm	3 410 mm
E Min. swing radius	2 730 mm	2 380 mm	2 640 mm	2 360 mm
F Max. vertical wall digging depth	5 090 mm	5 780 mm	4 540 mm	5 110 mm

Excluding track shoe lug

SPECIFICATIONS

ZX225USRLC-7

DIMENSIONS



Unit: mm

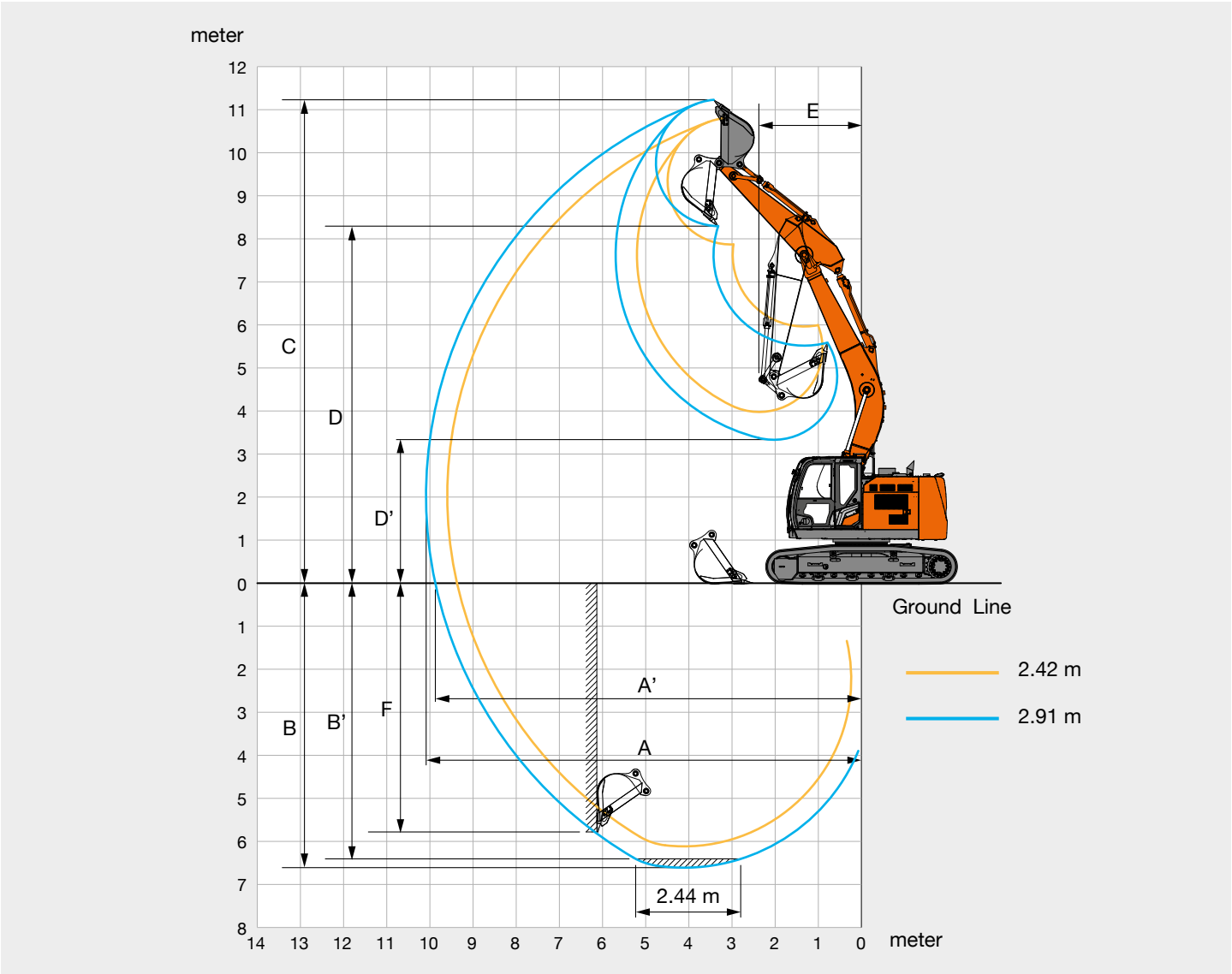
	ZX225USRLC-7
A Distance between tumblers	3 660
B Undercarriage length	4 460
* C Counterweight clearance	990
D Rear-end swing radius	2 000
D' Rear-end length	2 000
E Overall width of upperstructure	2 900
F Overall height of cab	2 960
F' Overall height of guardrail	3 050
F'' Overall height of handhold (on cab)	3 040
* 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	900
MONOBLOCK BOOM	
M Overall length	
With Arm 2.42 m	9 270
With Arm 2.91 m	9 120
N Overall height of boom	
With Arm 2.42 m	3 270
With Arm 2.91 m	3 030

* Excluding track shoe lug G: Triple grouser shoe

SPECIFICATIONS

ZX225USRLC-7

WORKING RANGES



Unit: mm

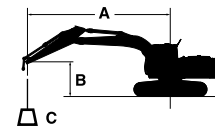
	ZX225USRLC-7	
	Monoblock boom	
Arm length	2.42 m	2.91 m
A Max. digging reach	9 620	10 110
A' Max. digging reach (on ground)	9 390	9 900
B Max. digging depth	6 120	6 610
B' Max. digging depth for 2.44 m level	5 870	6 410
C Max. cutting height	10 800	11 230
D Max. dumping height	7 870	8 290
D' Min. dumping height	3 970	3 330
E Min. swing radius	2 730	2 380
F Max. vertical wall digging depth	5 090	5 780

Excluding track shoe lug

MACHINE CAPACITIES

ZX210LC-7 / ZX210LCN-7

- Notes:
1. Ratings are based on ISO 10567 : 2007.
 2. Machine 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: Machine capacity

For machine capacities, subtract installed attachment and quick hitch weight from machine capacities.

To determine lifting capacities, apply "Rating over-side or 360 degrees" machine capacities from the table and deduct weight of installed attachment and quick hitch.

Optional feature may affect machine performance.

ZX210LC-7 MONOBLOCK BOOM

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

Conditions	Load point height m	Load radius										At max. reach		
		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
														meter
Boom 5.68 m Arm 2.42 m Counterweight 4 850 kg	6.0							*5 690	*5 690			*5 720	4 930	6.74
	4.5					*7 270	*7 270	*6 160	5 800			*5 740	4 130	7.48
	3.0					*9 120	8 380	*6 960	5 560	*5 980	4 030	5 650	3 750	7.87
	1.5					*10 610	7 910	*7 720	5 340	5 970	3 930	5 480	3 620	7.95
	0 (Ground)					*11 120	7 710	8 130	5 190	5 890	3 860	5 640	3 700	7.74
	-1.5			*9 880	*9 880	*10 780	7 690	*8 030	5 150			6 220	4 060	7.21
	-3.0			*13 060	*13 060	*9 610	7 800	*7 060	5 230			*6 580	4 940	6.28
	-4.5					*6 770	*6 770					*6 340	*6 340	4.71
Boom 5.68 m Arm 2.91 m Counterweight 4 850 kg	6.0							*5 170	*5 170			*4 000	*4 000	7.32
	4.5					*6 550	*6 550	*5 710	*5 710	*5 320	4 150	*3 950	3 730	8.01
	3.0					*8 440	*8 440	*6 570	5 610	*5 680	4 050	*4 060	3 420	8.37
	1.5					*10 150	8 010	*7 430	5 360	5 970	3 920	*4 330	3 310	8.45
	0 (Ground)			*4 810	*4 810	*11 000	7 730	*8 000	5 190	5 870	3 830	*4 840	3 370	8.25
	-1.5	*5 440	*5 440	*9 070	*9 070	*10 960	7 640	8 050	5 110	5 840	3 800	5 580	3 650	7.76
	-3.0	*9 930	*9 930	*14 220	*14 220	*10 100	7 710	*7 490	5 140			*6 150	4 300	6.90
	-4.5			*11 090	*11 090	*8 000	7 930					*6 150	5 980	5.52

ZX210LCN-7 MONOBLOCK BOOM

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

Conditions	Load point height m	Load radius										At max. reach		
		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
														meter
Boom 5.68 m Arm 2.42 m Counterweight 4 700 kg	6.0							*5 690	4 920			*5 720	4 070	6.74
	4.5					*7 270	*7 270	*6 160	4 770			*5 740	3 390	7.48
	3.0					*9 120	6 750	*6 960	4 540	5 910	3 290	5 490	3 060	7.87
	1.5					*10 610	6 310	*7 720	4 330	5 800	3 200	5 320	2 940	7.95
	0 (Ground)					*11 120	6 120	7 900	4 190	5 720	3 130	5 470	3 010	7.74
	-1.5			*9 880	*9 880	*10 780	6 100	7 850	4 150			6 040	3 290	7.21
	-3.0			*13 060	11 510	*9 610	6 200	*7 060	4 230			*6 580	4 000	6.28
	-4.5					*6 770	6 490					*6 340	6 110	4.71
Boom 5.68 m Arm 2.91 m Counterweight 4 700 kg	6.0							*5 170	4 990			*4 000	3 590	7.32
	4.5					*6 550	*6 550	*5 710	4 830	*5 320	3 410	*3 950	3 060	8.01
	3.0					*8 440	6 890	*6 570	4 590	*5 680	3 310	*4 060	2 790	8.37
	1.5					*10 150	6 400	*7 430	4 350	5 800	3 190	*4 330	2 690	8.45
	0 (Ground)			*4 810	*4 810	*11 000	6 130	7 900	4 180	5 700	3 100	*4 840	2 730	8.25
	-1.5	*5 440	*5 440	*9 070	*9 070	*10 960	6 060	7 810	4 110	5 670	3 080	5 410	2 950	7.76
	-3.0	*9 930	*9 930	*14 220	11 340	*10 100	6 120	*7 490	4 140			*6 150	3 480	6.90
	-4.5			*11 090	*11 090	*8 000	6 320					*6 150	4 830	5.52

ZX210LC-7 2-PIECE BOOM
 Rating over-front  Rating over-side or 360 degrees Unit : kg

Conditions	Load point height m	Load radius										At max. reach		
		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
														meter
2-Piece Boom Arm 2.42 m Counterweight 4 850 kg	9.0			*9 060	*9 060							*8 670	*8 670	3.19
	7.5					*6 890	*6 890					*5 860	*5 860	5.50
	6.0					*6 960	*6 960	*5 760	*5 760			*4 930	4 920	6.74
	4.5			*12 120	*12 120	*7 880	*7 880	*6 020	5 950			*4 550	4 110	7.48
	3.0			*13 650	*13 650	*10 050	*8 770	*6 680	5 850	*5 280	4 060	*4 440	3 730	7.87
	1.5			*15 330	*15 330	*11 030	8 590	*7 620	*5 710	*5 650	3 960	*4 540	3 600	7.95
	0 (Ground)	*12 310	*12 310	*17 070	15 890	*11 050	8 450	*8 120	5 470	*5 820	3 860	*4 860	3 690	7.74
	-1.5	*18 380	*18 380	*17 440	15 480	*11 200	8 140	*8 110	5 260			*5 470	4 050	7.21
	-3.0	*24 580	*24 580	*16 690	15 410	*10 320	7 930	*5 900	5 240			*4 900	*4 900	6.25
2-Piece Boom Arm 2.91 m Counterweight 4 850 kg	9.0											*5 390	*5 390	4.30
	7.5					*6 050	*6 050	*5 030	*5 030			*4 390	*4 390	6.20
	6.0					*6 230	*6 230	*5 390	*5 390			*4 060	*4 060	7.32
	4.5			*8 200	*8 200	*7 270	*7 270	*5 670	*5 670	*4 740	4 210	*3 970	3 710	8.01
	3.0	*10 950	*10 950	*14 230	*14 230	*9 120	8 780	*6 290	*5 850	*4 990	4 150	*3 960	3 400	8.37
	1.5	*8 800	*8 800	*14 840	*14 840	*10 840	8 620	*7 210	5 710	*5 370	4 030	*4 040	3 290	8.45
	0 (Ground)	*11 140	*11 140	*16 520	15 770	*11 000	8 560	*8 070	5 570	*5 810	3 890	*4 290	3 350	8.25
	-1.5	*15 120	*15 120	*17 280	15 550	*11 070	8 190	*8 150	5 310	*5 840	3 810	*4 800	3 640	7.76
	-3.0	*19 180	*19 180	*17 350	15 400	*10 970	7 930	*7 270	5 190			*4 650	4 300	6.91
	-4.5	*20 940	*20 940	*12 790	*12 790	*7 150	*7 150					*6 960	*6 960	4.57

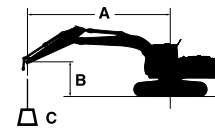
ZX210LCN-7 2-PIECE BOOM
 Rating over-front  Rating over-side or 360 degrees Unit : kg

Conditions	Load point height m	Load radius										At max. reach		
		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
														meter
2-Piece Boom Arm 2.42 m Counterweight 4 700 kg	9.0			*9 060	*9 060							*8 670	*8 670	3.19
	7.5					*6 890	*6 890					*5 860	5 630	5.50
	6.0					*6 960	*6 960	*5 760	5 030			*4 930	4 040	6.74
	4.5			*12 120	*12 120	*7 880	7 560	*6 020	5 050			*4 550	3 360	7.48
	3.0			*13 650	*12 980	*10 050	7 360	*6 680	4 910	*5 280	3 310	*4 440	3 030	7.87
	1.5			*15 330	12 900	*11 030	7 270	*7 620	4 690	*5 650	3 220	*4 540	2 910	7.95
	0 (Ground)	*12 310	*12 310	*17 070	12 190	*11 050	6 790	*8 090	4 430	5 770	3 120	*4 860	2 970	7.74
	-1.5	*18 380	*18 380	*17 440	11 800	*11 200	6 500	8 050	4 240			*5 470	3 270	7.21
	-3.0	*24 580	*24 580	*16 690	11 740	*10 320	6 300	*5 900	4 220			*4 900	4 010	6.25
2-Piece Boom Arm 2.91 m Counterweight 4 700 kg	9.0											*5 390	*5 390	4.30
	7.5					*6 050	*6 050	*5 030	4 990			*4 390	*4 390	6.20
	6.0					*6 230	*6 230	*5 390	5 160			*4 060	3 570	7.32
	4.5			*8 200	*8 200	*7 270	*7 270	*5 670	5 080	*4 740	3 450	*3 970	3 030	8.01
	3.0	*10 950	*10 950	*14 230	13 060	*9 120	7 400	*6 290	4 940	*4 990	3 400	*3 960	2 760	8.37
	1.5	*8 800	*8 800	*14 840	*12 880	*10 840	7 140	*7 210	4 780	*5 370	3 280	*4 040	2 650	8.45
	0 (Ground)	*11 140	*11 140	*16 520	12 440	*11 000	6 890	8 030	4 530	5 800	3 150	*4 290	2 700	8.25
	-1.5	*15 120	*15 120	*17 280	11 860	*11 070	6 540	*8 090	4 280	5 720	3 060	*4 800	2 930	7.76
	-3.0	*19 180	*19 180	*17 350	11 730	*10 970	6 300	*7 270	4 170			*4 650	3 460	6.91
-4.5	*20 940	*20 940	*12 790	11 760	*7 150	6 340					*6 960	6 200	4.57	

MACHINE CAPACITIES

ZX225USLC-7

- Notes:
1. Ratings are based on ISO 10567 : 2007.
 2. Machine 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: Machine capacity

For machine capacities, subtract installed attachment and quick hitch weight from machine capacities.

To determine lifting capacities, apply "Rating over-side or 360 degrees" machine capacities from the table and deduct weight of installed attachment and quick hitch.

Optional feature may affect machine performance.

ZX225USLC-7 MONOBLOCK BOOM

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

Conditions	Load point height m	Load radius										At max. reach		
		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
														meter
Boom 5.68 m Arm 2.42 m Counterweight 7 280 kg	7.5					*5 930	*5 930					*5 970	5 560	5.90
	6.0					*6 430	*6 430	*5 870	5 400			*5 760	4 140	7.06
	4.5					*7 930	*7 930	*6 450	5 210	*5 780	3 690	5 620	3 500	7.75
	3.0					*9 880	7 430	*7 280	4 950	5 810	3 590	5 180	3 200	8.09
	1.5					*11 160	6 990	7 900	4 730	5 690	3 480	5 060	3 110	8.13
	0 (Ground)					*11 300	6 840	7 740	4 590	5 620	3 410	5 250	3 200	7.88
	-1.5			*9 940	*9 940	*10 610	6 850	7 720	4 570			5 840	3 540	7.30
	-3.0			*12 000	*12 000	*9 040	6 980	*6 630	4 670			*6 110	4 380	6.31
	-4.5					*5 580	*5 580					*5 390	*5 390	4.60
Boom 5.68 m Arm 2.91 m Counterweight 7 280 kg	7.5					*5 170	*5 170	*5 290	*5 290			*4 230	*4 230	6.57
	6.0					*5 700	*5 700	*5 370	*5 370	*4 500	3 790	*3 980	3 670	7.63
	4.5			*9 970	*9 970	*7 180	*7 180	*6 010	5 270	*5 430	3 730	*3 950	3 170	8.26
	3.0					*9 210	7 590	*6 910	5 010	*5 820	3 600	*4 080	2 920	8.58
	1.5					*10 800	7 080	*7 730	4 750	5 690	3 480	*4 390	2 840	8.62
	0 (Ground)			*4 500	*4 500	*11 320	6 840	7 740	4 590	5 590	3 380	4 770	2 910	8.39
	-1.5	*5 900	*5 900	*8 960	*8 960	*10 930	6 790	7 670	4 520	5 560	3 360	5 230	3 170	7.85
	-3.0	*10 320	*10 320	*13 460	13 400	*9 690	6 880	*7 180	4 570			*5 770	3 790	6.94
	-4.5			*9 650	*9 650	*7 090	*7 090					*5 450	5 450	5.45

ZX225USLC-7 2-PIECE BOOM

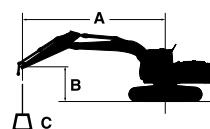
Rating over-front Rating over-side or 360 degrees Unit : kg

Conditions	Load point height m	Load radius										At max. reach		
		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
														meter
2-Piece Boom Arm 2.42 m Counterweight 7 280 kg	9.0			*9 240	*9 240							*8 140	*8 140	3.83
	7.5					*6 990	*6 990					*5 650	5 530	5.90
	6.0			*7 100	*7 100	*7 220	*7 220	*5 860	5 560			*4 830	4 070	7.06
	4.5			*12 250	*12 250	*8 450	8 260	*6 240	*5 470	*5 100	3 660	*4 500	3 430	7.75
	3.0			*14 090	*14 090	*10 650	*8 040	*7 040	5 310	*5 430	3 600	*4 410	3 120	8.09
	1.5			*15 990	14 660	*11 180	7 970	*7 960	5 110	5 740	3 480	*4 530	3 020	8.13
	0 (Ground)	*12 510	*12 510	*17 840	14 000	*11 190	7 450	7 990	4 810	5 620	3 360	*4 890	3 120	7.88
	-1.5	*18 360	*18 360	*18 190	13 650	*11 420	7 160	7 830	4 600			*5 070	3 460	7.30
	-3.0	*23 640	*23 640	*16 600	13 640	*9 950	6 970	*5 450	4 590			*4 590	4 390	6.22
2-Piece Boom Arm 2.91 m Counterweight 7 280 kg	9.0					*5 890	*5 890					*5 160	*5 160	4.83
	7.5					*6 020	*6 020	*5 360	*5 360			*4 320	*4 320	6.58
	6.0					*6 290	*6 290	*5 500	*5 550	*4 390	3 750	*4 030	3 610	7.63
	4.5			*10 640	*10 640	*7 730	*7 730	*5 870	5 490	*4 850	3 780	*3 970	3 100	8.27
	3.0	*10 130	*10 130	*14 250	*14 250	*10 080	8 060	*6 620	5 330	*5 130	3 700	*3 930	2 840	8.59
	1.5			*15 290	14 610	*11 100	7 820	*7 690	5 250	*5 560	3 550	*4 030	2 760	8.63
	0 (Ground)	*10 880	*10 880	*17 240	14 250	*11 130	7 550	*7 920	4 920	5 660	3 400	*4 310	2 830	8.39
	-1.5	*14 900	*14 900	*18 020	13 690	*11 250	7 200	7 880	4 640	5 550	3 300	*4 820	3 100	7.86
	-3.0	*18 500	*18 500	*17 710	13 630	*10 880	6 970	*6 990	4 530			*4 180	3 720	6.94
-4.5			*11 550	*11 550							*7 670	*7 670	4.03	

MACHINE CAPACITIES

ZX225USRLC-7

- Notes:
1. Ratings are based on ISO 10567 : 2007.
 2. Machine 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: Machine capacity

For machine capacities, subtract installed attachment and quick hitch weight from machine capacities.

To determine lifting capacities, apply "Rating over-side or 360 degrees" machine capacities from the table and deduct weight of installed attachment and quick hitch.

Optional feature may affect machine performance.

ZX225USRLC-7 MONOBLOCK BOOM

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

Conditions	Load point height m	Load radius										At max. reach		
		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
														meter
Boom 5.68 m Arm 2.42 m Counterweight 6 320 kg	7.5					*5 930	*5 930					*5 970	5 440	5.90
	6.0					*6 430	*6 430	*5 870	5 280			*5 760	4 040	7.06
	4.5					*7 930	7 870	*6 450	5 090	5 760	3 600	5 470	3 410	7.75
	3.0					*9 880	7 250	*7 280	4 830	5 650	3 490	5 030	3 120	8.09
	1.5					*11 160	6 810	7 680	4 600	5 530	3 390	4 920	3 020	8.13
	0 (Ground)					*11 300	6 660	7 530	4 470	5 460	3 320	5 100	3 110	7.88
	-1.5			*9 940	*9 940	*10 610	6 670	7 500	4 440			5 670	3 450	7.30
	-3.0			*12 000	*12 000	*9 040	6 800	*6 630	4 540			*6 110	4 270	6.31
	-4.5					*5 580	*5 580					*5 390	*5 390	4.60
Boom 5.68 m Arm 2.91 m Counterweight 6 320 kg	7.5					*5 170	*5 170	*5 290	*5 290			*4 230	*4 230	6.57
	6.0					*5 700	*5 700	*5 370	5 350	*4 500	3 690	*3 980	3 580	7.63
	4.5			*9 970	*9 970	*7 180	*7 180	*6 010	5 150	*5 430	3 630	*3 950	3 090	8.26
	3.0					*9 210	7 410	*6 910	4 880	5 670	3 510	*4 080	2 840	8.58
	1.5					*10 800	6 900	7 710	4 630	5 530	3 380	*4 390	2 760	8.62
	0 (Ground)			*4 500	*4 500	*11 320	6 660	7 520	4 460	5 430	3 290	4 630	2 830	8.39
	-1.5	*5 900	*5 900	*8 960	*8 960	*10 930	6 610	7 450	4 400	5 400	3 270	5 080	3 090	7.85
	-3.0	*10 320	*10 320	*13 460	13 070	*9 690	6 700	*7 180	4 450			*5 770	3 690	6.94
	-4.5			*9 650	*9 650	*7 090	6 940					*5 460	5 310	5.45

EQUIPMENT

ENGINE	ZX210LC-7/ ZX210LCN-7	ZX225USLC-7	ZX225USRLC-7
Aftertreatment device	●	●	●
Air cleaner double filters	●	●	●
Alternator 60 A	●	●	●
Auto idle system	●	●	●
Auto shut-down control	●	●	●
Cartridge-type engine oil filter	●	●	●
Cartridge-type fuel main filter	●	●	●
Cold fuel resistance valve	●	●	●
ConSite OIL (sensor)*	●	●	●
DEF/AdBlue® tank inlet strainer and extension filler	●	●	●
DEF/AdBlue® tank	●	●	●
Dry-type air filter with evacuator valve (with air filter restriction indicator)	●	●	●
Dust-proof indoor net	●	●	●
ECO/PWR mode control	●	●	●
Electrical fuel feed pump	●	●	●
Engine oil drain coupler	●	●	●
Expansion tank	●	●	●
Fan guard	●	●	●
Fuel cooler	●	●	●
Fuel pre-filter with water separator	●	●	●
Isolation-mounted engine	●	●	●
Maintenance free pre-cleaner	○	○	○
Radiator, oil cooler and intercooler	●	●	●

HYDRAULIC SYSTEM			
Auto power lift	●	●	●
ConSite OIL (sensor)*	●	●	●
Control valve with main relief valve	●	●	●
High mesh full flow filter	●	●	●
Hose rupture valve for arm	●	●	●
Hose rupture valve for boom	●	●	●
Pilot filter	●	●	●
Power boost	●	●	●
Restriction indicator for full flow filter	○	○	○
Suction filter	●	●	●
Swing dampener valve	●	●	●
Two extra ports for control valve	●	●	●
Variable reliefvalve for breaker and crusher	●	●	●
Work mode selector	●	●	●

CAB	ZX210LC-7/ ZX210LCN-7	ZX225USLC-7	ZX225USRLC-7
All-weather sound suppressed steel cab	●	●	●
Auto control air conditioner	●	●	●
AUX function lever (breaker assist)	○	○	○
Bluetooth® integrated DAB+radio	●	●	●
Console height adjustment	●	●	●
Control lever auto-lock	●	●	●
CRES VII (center pillar reinforced structure) cab	●	●	●
Cab with P5A glass and roof wiper	○	○	○
Drink holder with hot and cool function	●	●	●
Electric double horn	●	●	●
Engine shut-off switch	●	●	●
Equipped with reinforced, tinted (green color) glass windows	●	●	●
Evacuation hammer	●	●	●
Floor mat	●	●	●
Footrest	●	●	●
Front window washer (2 points)	●	●	●
Glove compartment	●	●	●
Hands-free calling device	●	●	●
Hot and cool box	●	●	●
Intermittent windshield wipers	●	●	●
Key cylinder light	●	●	●
Laminated round glass window	○	○	○
LED room light	●	●	●
Magazine rack	●	●	●
OPG front guard Level II (ISO 10262 : 1998) compliant	○	○	○
OPG top guard Level I (ISO 10262 : 1998) compliant	●	●	●
OPG top guard Level II (ISO 10262 : 1998) compliant	○	○	○
Pilot shut-off lever	●	●	●
Power outlet 12 V and 24 V	●	●	●
Push button low idle	●	●	●
Rain guard (without OPG front guard)	●	●	●
Rear tray	●	●	●
Retractable seat belt	●	●	●
ROPS (ISO 12117-2 : 2008) compliant cab	●	●	●
Rubber radio antenna	●	●	●
Seat : air suspension seat with heater	●	●	●
Seat adjustment part : backrest, armrest, height and angle, slide forward / back	●	●	●
Seat belt reminder	●	●	●
Short wrist control levers	●	●	●
Sunscreen roller type (multi-use front or side and rear window)	○	○	○
Smartphone holder	●	●	●
Transparent roof with slide curtain	●	●	●
USB power supply	●	●	●
Wide view wiper	●	●	●
Windows on front, upper, lower and left side can be opened	●	●	●
2 speakers	●	●	●
4 fluid-filled elastic mounts	●	●	●
8 inch monitor	●	●	●

MONITOR SYSTEM	ZX210LC-7/ ZX210LCN-7	ZX225USLC-7	ZX225USRLC-7
Alarms: overheat, engine warning, engine oil pressure, alternator, minimum fuel level, hydraulic filter restriction, air filter restriction, work mode, overload, SCR system trouble, etc	●	●	●
Alarm buzzers: overheat, engine oil pressure, overload, SCR system trouble, etc	●	●	●
Display of meters: water temperature, hour, fuel rate, clock, DEF/AdBlue® rate, etc	●	●	●
Other displays: work mode, auto-idle, glow, rearview monitor, operating conditions, etc	●	●	●
35 languages selection	●	●	●

LIGHTS			
Additional boom LED light with cover	○	○	○
Additional cab roof front LED lights	○	○	○
Additional cab roof rear LED light	○	○	○
LED lights for camera (side and rear view camera)	○	○	○
Rotating lamp	○	○	○
2 working LED lights	●	●	●

UPPER STRUCTURE			
Aerial Angle® (270-degree view camera system)	●	●	●
Batteries 2 x 126 Ah	●	●	●
Battery disconnect switch	●	●	●
Body top guardrail	—	●	●
Body top handrail	●	—	—
Counterweight 4 850 kg	● / —	—	—
Counterweight 4 700 kg	— / ●	—	—
Counterweight 7 280 kg	—	●	—
Counterweight 6 320 kg	—	—	●
Electric fuel refilling pump with auto stop and filter	●	●	●
Fuel level float	●	●	●
Hydraulic oil level gauge	●	●	●
Lockable fuel refilling cap	●	●	●
Lockable machine covers	●	●	●
Lockable tool box	●	—	—
Platform handrail	●	●	●
Side view mirror (right and left)	●	●	●
Skid-resistant plates	●	●	●
Swing parking brake	●	●	●
Undercover	●	●	●
Utility space	●	—	—

● : Standard equipment ○ : Optional equipment — : Not applicable

UNDERCARRIAGE	ZX210LC-7/ ZX210LCN-7	ZX225USLC-7	ZX225USRLC-7
Bolt-on sprocket	●	●	●
Blade	—	○	—
Greasing type track adjuster	●	●	●
Lockable tool box	— / ●	●	●
Reinforced track links with pin seals	●	●	●
Shoe: 600 mm triple grouser	● / —	●	●
Shoe: 500 mm triple grouser	— / ●	—	—
Towing hole for light weight object	●	●	●
Track undercover	●	●	●
Travel direction mark on track frame	●	●	●
Travel motor covers	●	●	●
Travel parking brake	●	●	●
Upper and lower rollers	●	●	●
2 track guards (each side)	●	—	—
3 track guards (each side)	○	●	●
4 tie down brackets	●	●	●

FRONT ATTACHMENTS			
Arm tip remote lubrication	●	●	●
Casted bucket link A	●	●	●
Centralized lubrication system	●	●	●
Dirt seal on all bucket pins	●	●	●
Flanged pin	●	●	●
HN bushing	●	●	●
Lower arm reinforcement	○	○	○
Reinforced bucket link B	●	●	●
Reinforced resin thrust plate	●	●	●
WC (tungsten-carbide) thermal spraying	●	●	●
Welded bucket link A	○	○	○
Welded bucket link A with welded hook	○	○	○

ATTACHMENTS			
Accessories for 2 speed selector	○	○	○
Additional pump	○	○	○
Assist piping	○	○	○
Breaker and crusher piping	●	●	●
Pilot accumulator	●	●	●

MISCELLANEOUS			
ConSite	○	○	○
Global e-Service	●	●	●
Onboard information controller	●	●	●
Standard tool kit	●	●	●

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

* Engine oil and hydraulic oil monitoring sensor.

Prior to operating this machine, including satellite communication system, in a country other than a country of its intended use, it may be necessary to make modifications to it so that it complies with the local regulatory standards (including safety standards) and legal requirements of that particular country. Please do not export or operate this machine outside the country of its intended use until such compliance has been confirmed. Please contact your Hitachi dealer in case of questions about compliance.

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 use, read and understand the Operator's Manual for proper operation.

