

ZX690LC-7H SPECIFICATIONS

HITACHI

Reliable Solutions

LANCROS

ENGINE	
Model	Isuzu 6WG1
Type	4-cycle water-cooled, common rail direct injection
Aspiration	Variable geometry turbocharged, intercooled, cooled EGR
Aftertreatment	DOC + SCR system
No. of cylinders	6
Rated power	
ISO 14396 : 2002 gross	467 HP (348 kW) at 1 800 min ⁻¹
ISO 9249 : 2007 net	465 HP (347 kW) at 1 800 min ⁻¹
Maximum torque	1 460 lbf (1 980 Nm) at 1 500 min ⁻¹
Piston displacement	956.917 cu.in. (15.681 L)
Bore and stroke	5.8" x 6.1" (147 mm x 154 mm)
Batteries	2 x 12 V / 147 Ah

HYDRAULIC SYSTEM			
Hydraulic Pumps			
Main pumps	2 variable displacement axial piston pumps		
Maximum oil flow	2 x 129 gal/min (489 L/min)		
Pilot pump	1 gear pump		
Maximum oil flow	13.2 gal/min (50.0 L/min)		
Hydraulic Motors			
Travel	2 axial piston motors with parking brake		
Swing	2 axial piston motors		
Relief Valve Settings			
Implement circuit	4 626.7 psi (31.9 MPa)		
Swing circuit	4 264.1 psi (29.4 MPa)		
Travel circuit	4 974.8 psi (34.3 MPa)		
Pilot circuit	565.6 psi (3.9 MPa)		
Power boost	4 974.8 psi (34.3 MPa)		
Hydraulic Cylinders			
	Quantity	Bore	Rod diameter
Boom	2	7.5" (190 mm)	5.1" (130 mm)
Arm	1	7.9" (200 mm)	5.5" (140 mm)
Bucket	1	7.1" (180 mm)	5.1" (130 mm)
Bucket (BE)	1	7.5" (190 mm)	5.1" (130 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 parking brake is spring-set/hydraulic-released disc type.	
Swing speed	9.0 min ⁻¹
Swing torque	143 086 lbf (194.0 kNm)

UNDERCARRIAGE	
Tracks	
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	
Upper rollers	3
Lower rollers	8
Track shoes	47
Track guards	2
Travel Device	
Each track driven by axial piston motor through reduction gear for counterrotation of the tracks. Parking brake is spring-set/hydraulic-released disc type. Automatic transmission system: High-Low.	
Travel speeds	High : 0 to 3.1 mph (0 to 5.0 km/h)
	Low : 0 to 2.1 mph (0 to 3.4 km/h)
Maximum traction force	109 257 lbf (486 kN)
Gradeability	70% (35 degree) continuous

SERVICE REFILL CAPACITIES	
Fuel tank	237.6 gal (900.0 L)
Engine coolant	23.8 gal (90.0 L)
Engine oil	16.4 gal (62.0 L)
Pump drive	1.6 gal (6.2 L)
Swing device	2.8 gal (10.5 L)
Travel device (each side)	3.6 gal (13.5 L)
Hydraulic system	198.0 gal (750.0 L)
Hydraulic oil tank	100.3 gal (380.0 L)
DEF/AdBlue® tank	25.1 gal (95.0 L)

ENVIRONMENT	
Engine Emissions	EPA Final Tier 4 / EU Stage IV
Sounds Level	
Sound level in cab according to ISO 6396 : 2008	LpA 74 dB(A)
External sound level according to ISO 6395 : 2008 and EU Directive 2000/14/EC	LwA 108 dB(A)

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WEIGHTS AND GROUND PRESSURE

Operating Weight and Ground Pressure

Bucket Capacity	Boom type	Arm type	Shoe grouser type	Shoe width	Operating weight	Ground pressure
ISO7451 : 2007 heaped(yd ³ (m ³))	(ft-in (m))	(ft-in (m))		inch (mm)	lb (kg)	psi (kPa)
3.8 (2.9) Rock bucket	25' 7" (7.8) H	11' 10" (3.6)	Double	35" (900)	152 339 (69 100)	11.02 (76)
		13' 9" (4.2)	Double	35" (900)	152 780 (69 300)	11.02 (76)

BUCKET AND ARM DIGGING FORCE

Unit: lbf (kN)

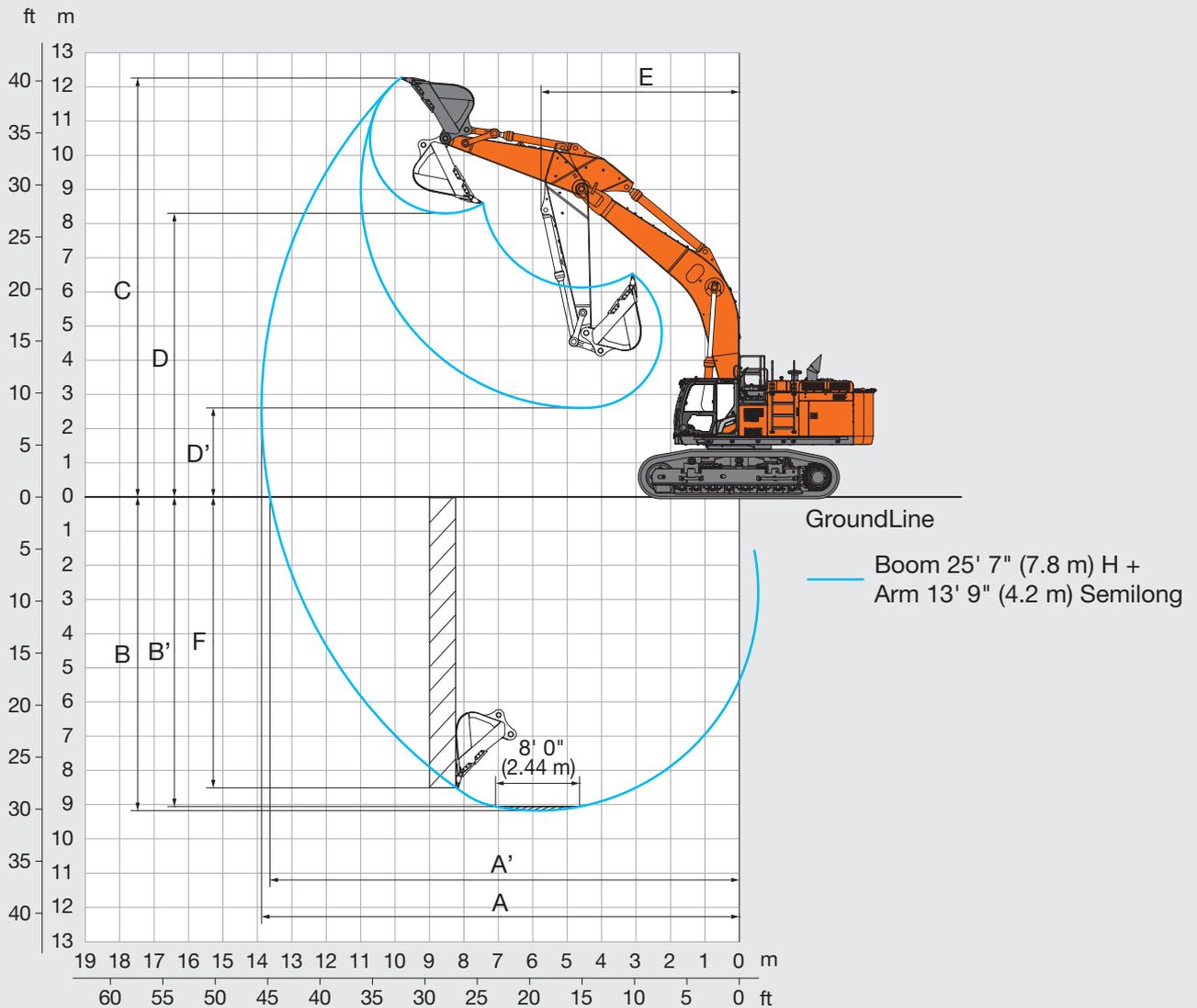
	ZX690LC-7H	
Boom length	Boom 25' 7" (7.8 m) H	Boom 25' 7" (7.8 m) H
Arm length	Arm 11' 10" (3.6 m) H	Arm 13' 9" (4.2 m) Semilong
Bucket digging force ISO 6015 : 2006	72 838 (324)	72 838 (324)
Arm crowd force ISO 6015 : 2006	57 326 (255)	51 931 (231)

Calculated value at power boost

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WORKING RANGES



Unit: ft-in (mm)

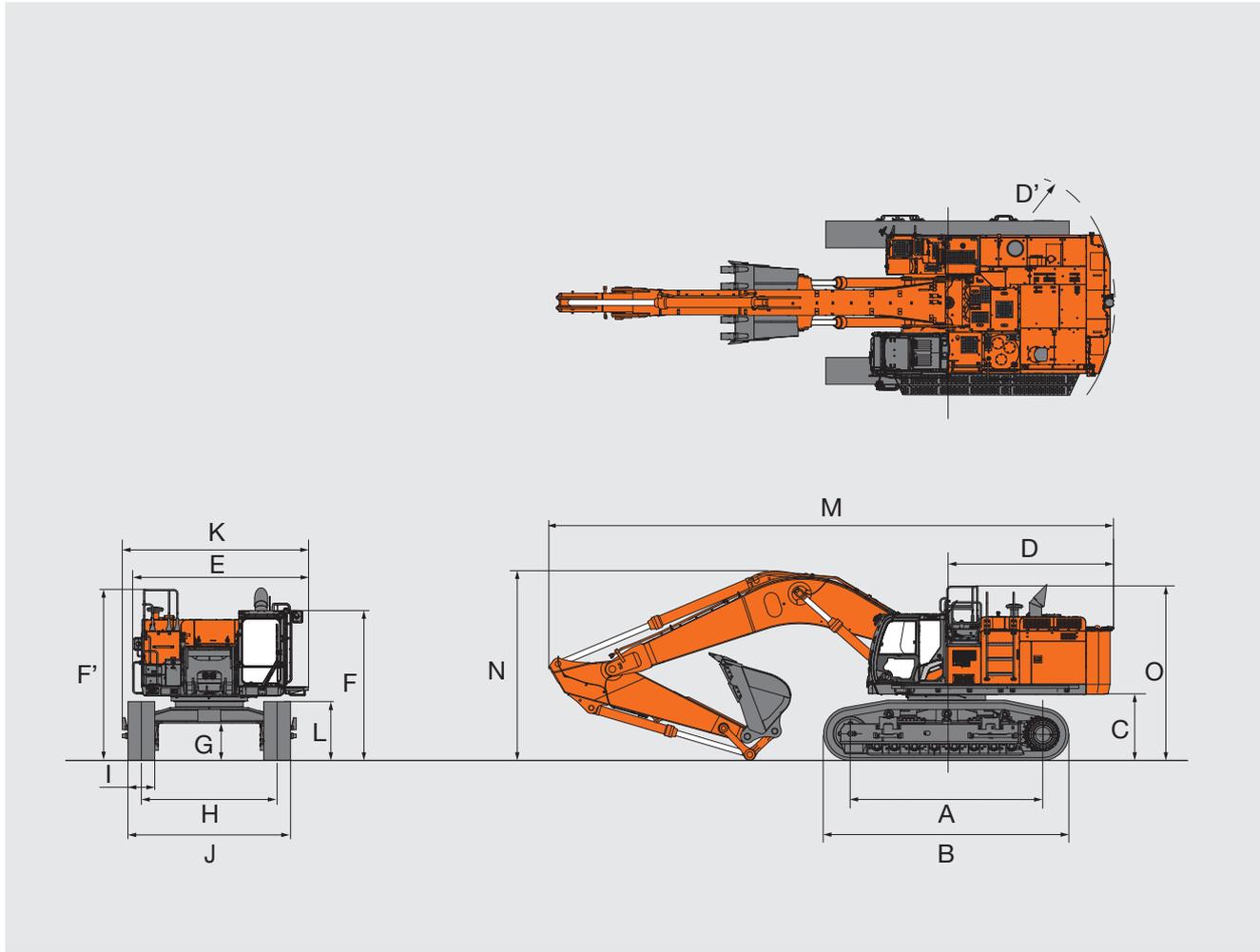
		ZX690LC-7H	
Boom length		Boom 25' 7" (7.8 m) H	Boom 25' 7" (7.8 m) H
Arm length		Arm 11' 10" (3.6 m) H	Arm 13' 9" (4.2 m) Semilong
A	Max. digging reach	43' 7" (13 280)	45' 6" (13 880)
A'	Max. digging reach (on ground)	42' 9" (13 030)	44' 9" (13 630)
B	Max. digging depth	28' 1" (8 560)	30' 1" (9 180)
B'	Max. digging depth for 8' 0" (2.44 m) level	27' 7" (8 420)	29' 9" (9 060)
C	Max. cutting height	39' 2" (11 940)	40' 3" (12 260)
D	Max. dumping height	26' 4" (8 020)	27' 3" (8 300)
D'	Min. dumping height	10' 7" (3 230)	8' 7" (2 610)
E	Min. swing radius	18' 12" (5 780)	18' 11" (5 760)
F	Max. vertical wall digging depth	25' 4" (7 720)	27' 11" (8 510)

Excluding track shoe lug

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DIMENSIONS



Unit: ft-in (mm)

	ZX690LC-7H ²
A Distance between tumblers	15' 1" (4 590)
B Undercarriage length	19' 2" (5 840)
*1 C Min. ground clearance of the upper structure: Standard Counterweight / Removal Counterweight	5' 1" (1 540) / 4' 3" (1 300)
D Rear-end swing radius	13' 2" (4 020)
D' Rear-end length	13' 1" (3 980)
E Overall width of upperstructure	13' 6" (4 110)
F Overall height of cab	12' 0" (3 660)
*1 G Min. ground clearance	2' 10" (860)
H Track gauge : Extended / Retracted	10' 10" (3 300) / 9' 3" (2 830)
I Track shoe width	G 2' 11" (900)
J Undercarriage width : Extended / Retracted	13' 9" (4 200) / 12' 3" (3 730)
K Overall width	14' 4" (4 360)
*1 L Track height with triple grouser shoes	4' 9" (1 440)
M Overall length	44' 2" (13 460)
N Overall height of boom	16' 4" (4 970)
O Overall height of base machine	13' 11" (4 230)

*1 Excluding track shoe lug

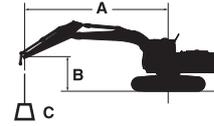
*2 Equipped with Boom 25' 7" (7.8 m) H and Arm 13' 9" (4.2 m) Semilong

G : Double grouser shoe

MACHINE CAPACITIES

ZX690LC-7H

- 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 ft (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.

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Rating over-front Rating over-side or 360 degrees Unit : lb (kg)

Conditions	Load point height (ft (m))	Load radius												At max. reach		
		10 ft (3.0 m)		15 ft (4.5 m)		20 ft (6.0 m)		25 ft (7.5 m)		30 ft (9.0 m)		35 ft (10.5 m)		ft-in (meter)		
Boom 25' 7" (7.8 m) H Arm 11' 10" (3.6 m) H Counterweight 22 928 lb (10 400 kg)	25' (7.5)									*29 810 (*13 590)	*29 810 (*13 590)			*20 630 (*9 350)	*20 630 (*9 350)	32' 4" (9.92)
	20' (6.0)							*34 180 (*15 750)	*34 180 (*15 750)	*31 110 (*14 260)	29 900 (13 880)		(*9 820) (*9 820)	*20 670 (*9 380)	*20 670 (*9 380)	34' 6" (10.54)
	15' (4.5)					*46 600 (*21 640)	*46 600 (*21 640)	*38 010 (*17 550)	*38 010 (*17 550)	*33 180 (*15 260)	28 990 (13 450)	*26 720 (*13 650)	22 740 (10 570)	*21 230 (*9 640)	*21 230 (*9 640)	35' 9" (10.92)
	10' (3.0)					*53 460 (*24 790)	50 150 (23 230)	*41 920 (*19 370)	36 460 (16 890)	*35 450 (*16 320)	28 020 (12 990)	30 620 (14 220)	22 230 (10 320)	*22 340 (*10 150)	20 950 (9 490)	36' 4" (11.08)
	5' (1.5)					*58 070 (*26 860)	47 960 (22 230)	*45 050 (*20 800)	35 060 (16 240)	*37 360 (*17 220)	27 150 (12 580)	30 120 (13 980)	21 760 (10 090)	*24 110 (*10 950)	20 690 (9 380)	36' 3" (11.04)
	0 (Ground)			*35 570 (*15 350)	*35 570 (*15 350)	*59 820 (*27 600)	46 830 (21 730)	*46 770 (*21 580)	34 140 (15 820)	37 120 (17 220)	26 540 (12 300)	29 790 (13 810)	21 440 (9 940)	*26 850 (*12 180)	21 140 (9 580)	35' 4" (10.78)
	-5' (-1.5)			*53 650 (*23 450)	*53 650 (*23 450)	*59 050 (*27 220)	46 460 (21 570)	*46 770 (*21 580)	33 710 (15 630)	36 800 (17 070)	26 250 (12 160)			*31 190 (*14 100)	22 440 (10 160)	33' 9" (10.30)
	-10' (-3.0)	*51 230 (*22 720)	*51 230 (*22 720)	*71 260 (*32 800)	*71 260 (*32 800)	*55 870 (*25 780)	46 660 (21 670)	*44 670 (*20 650)	33 760 (15 650)	*35 940 (*16 710)	26 370 (12 200)			*33 760 (*15 300)	25 040 (11 300)	31' 3" (9.55)
	-15' (-4.5)	*75 100 (*33 160)	*75 100 (*33 160)	*62 320 (*28 810)	*62 320 (*28 810)	*49 610 (*23 000)	47 420 (22 010)	*39 340 (*18 350)	34 360 (15 910)					*34 040 (*15 440)	30 130 (13 510)	27' 7" (8.48)
	-20' (-6.0)			*47 810 (*22 430)	*47 810 (*22 430)	*37 690 (*17 860)	*37 690 (*17 860)								*32 620 (*14 880)	*32 620 (*14 880)
Boom 25' 7" (7.8 m) H Arm 13' 9" (4.2 m) Semilong Counterweight 22 928 lb (10 400 kg)	25' (7.5)									*27 580 (*12 580)	*27 580 (*12 580)	(*8 490) (*8 490)		*17 430 (*7 890)	*17 430 (*7 890)	34' 6" (10.59)
	20' (6.0)									*29 150 (*13 370)	*29 150 (*13 370)	*23 760 (*11 630)	23 410 (10 890)	*17 410 (*7 900)	*17 410 (*7 900)	36' 7" (11.17)
	15' (4.5)			*58 080	*58 080	*43 110 (*20 010)	*43 110 (*20 010)	*35 720 (*16 490)	*35 720 (*16 490)	*31 430 (*14 460)	29 240 (13 560)	*28 820 (*13 200)	22 900 (10 640)	*17 790 (*8 080)	*17 790 (*8 080)	37' 9" (11.53)
	10' (3.0)					*50 450 (*23 400)	*50 450 (*23 400)	*39 940 (*18 450)	36 820 (17 060)	*33 950 (*15 630)	28 170 (13 060)	*30 200 (*13 870)	22 290 (10 350)	*18 600 (*8 450)	*18 600 (*8 450)	38' 4" (11.68)
	5' (1.5)					*56 040 (*25 930)	48 400 (22 440)	*43 540 (*20 100)	35 240 (16 330)	*36 200 (*16 680)	27 190 (12 600)	30 090 (13 970)	21 710 (10 070)	*19 890 (*9 030)	19 040 (8 630)	38' 2" (11.64)
	0 (Ground)			*37 780 (*16 400)	*37 780 (*16 400)	*58 950 (*27 220)	46 860 (21 750)	*45 880 (*21 170)	34 110 (15 820)	37 030 (17 180)	26 440 (12 260)	29 620 (13 740)	21 270 (9 860)	*21 870 (*9 910)	19 370 (8 780)	37' 5" (11.40)
	-5' (-1.5)	*29 240 (*12 970)	*29 240 (*12 970)	*50 650 (*22 160)	*50 650 (*22 160)	*59 290 (*27 350)	46 180 (21 440)	*46 620 (*21 510)	33 490 (15 530)	36 560 (16 960)	26 000 (12 050)	29 400 (13 630)	21 060 (9 760)	*24 900 (*11 260)	20 390 (9 240)	35' 10" (10.94)
	-10' (-3.0)	*45 050 (*19 980)	*45 050 (*19 980)	*69 020 (*30 210)	*69 020 (*30 210)	*57 210 (*26 400)	46 140 (21 430)	*45 440 (*20 990)	33 340 (15 460)	36 480 (16 920)	25 930 (12 010)			*29 850 (*13 450)	22 420 (10 130)	33' 6" (10.24)
	-15' (-4.5)	*64 130 (*28 350)	*64 130 (*28 350)	*67 060 (*31 000)	*67 060 (*31 000)	*52 350 (*24 240)	46 660 (21 660)	*41 670 (*19 350)	33 700 (15 610)	*32 530 (*15 310)	26 390 (12 190)			*32 210 (*14 600)	26 220 (11 780)	30' 2" (9.25)
	-20' (-6.0)			*54 900 (*25 620)	*54 900 (*25 620)	*43 220 (*20 250)	*43 220 (*20 250)	*32 780 (*15 640)	*32 780 (*15 640)						*31 890 (*14 500)	*31 890 (*14 500)

SPECIFICATIONS

ZX690LC-7H

ZX690LC-7H BUCKET SELECTION

The buckets recommended for installation on this machine are representative only. Actual weights and dimensions should be used to determine acceptability.

* Optional equipment such as Thumb and Coupler are not included.

	Bucket						Arm Length		
	Width		Capacity		Weight		13' 9"	11' 1"	
	in	mm	yd ³	m ³	kg	kg			
ZX690LC-7H	48	1,219	3.08	2.35	6,600	2,994	●	-	
	48	1,219	3.73	2.85	7,600	3,447	-	●	
	54	1,372	3.37	2.58	7,300	3,311	◎	-	
	54	1,372	4.12	3.15	8,300	3,765	-	◎	
	60	1,524	3.76	2.87	8,000	3,629	○	-	
	60	1,524	4.66	3.56	9,000	4,082	-	○	
	66	1,676	4.12	3.15	9,000	4,082	▲	-	
	66	1,676	5.33	4.08	10,000	4,536	-	▲	
	72	1,829	4.45	3.40	9,400	4,264	△	-	
	72	1,829	5.53	4.23	10,700	4,853	-	△	
	78	1,981	4.87	3.72	10,100	4,581	■	-	
	78	1,981	5.78	4.42	12,000	5,443	-	■	
	84	2,134	4.87	3.72	10,100	4,581	■	-	
	84	2,134	5.78	4.42	12,000	5,443	-	■	
	Maximum load with pin-on (Bucket + Payload)						lb	17,410	20,670
							kg	7,900	9,380

- : Suitable for materials with density of 3,500 lb/yd³ (2,100 kg/m³) or less.
- ◎ : Suitable for materials with density of 3,000 lb/yd³ (1,800 kg/m³) or less.
- : Suitable for materials with density of 2,500 lb/yd³ (1,500 kg/m³) or less.
- ▲ : Suitable for materials with density of 2,000 lb/yd³ (1,200 kg/m³) or less.
- △ : Suitable for materials with density of 1,800 lb/yd³ (1,100 kg/m³) or less.
- : Suitable for materials with density of 1,500 lb/yd³ (900 kg/m³) or less.
- : Not applicable

Maximum load with pin-on (Bucket + Payload) complies with ISO 10567: 2007.

Using a bucket heavier or wider than recommended specifications may result in less than optimal performance, including reduced productivity, stability, reliability and component durability.

Improper use of the bucket to sweep, pry, twist or snag heavy loads will shorten the life of the boom and arm.

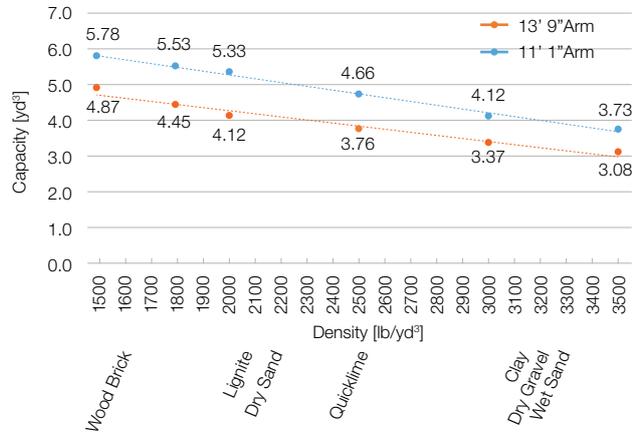
[Reference]

Example calculation for Maximum Load of 7,450 lb.

$$\begin{aligned} \text{Load with pin-on (Bucket + Payload)} &= \text{Bucket weight} + \text{Payload (Bucket capacity} \times \text{Material density)} \\ &= 1,708 \text{ lb} + (1.36 \text{ yd}^3 \times 3,500 \text{ lb/yd}^3) \\ &= 6,468 \text{ lb} < \text{Maximum Load } 7,450 \text{ lb} \text{ ---> OK} \end{aligned}$$

Example calculation for Maximum Load of 7,450 lb and Attachment (Thumb and coupler etc) weight of 1,800 lb.

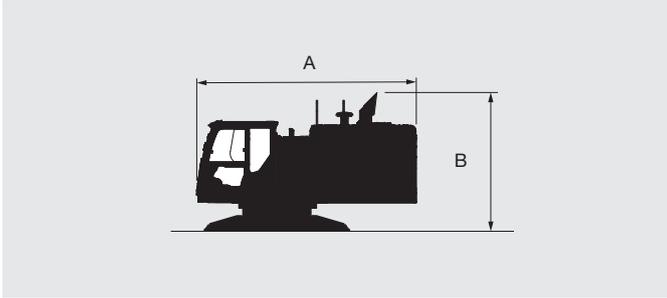
$$\begin{aligned} \text{Load with pin-on (Bucket + Payload)} &= \text{Bucket weight} + \text{Payload (Bucket capacity} \times \text{Material density)} + \text{Attachment weight} \\ &= 1,708 \text{ lb} + (1.36 \text{ yd}^3 \times 2,800 \text{ lb/yd}^3) + 1,800 \text{ lb} \\ &= 7,316 \text{ lb} < \text{Maximum Load } 7,450 \text{ lb} \text{ ---> OK (Up to } 2,800 \text{ material density can be used)} \end{aligned}$$



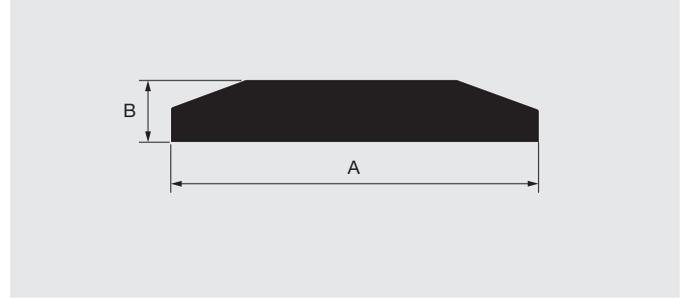
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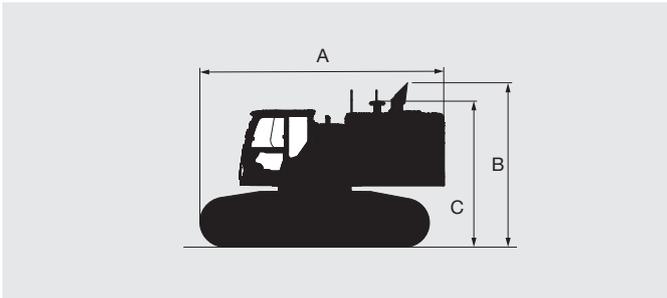
UPPERSTRUCTURE



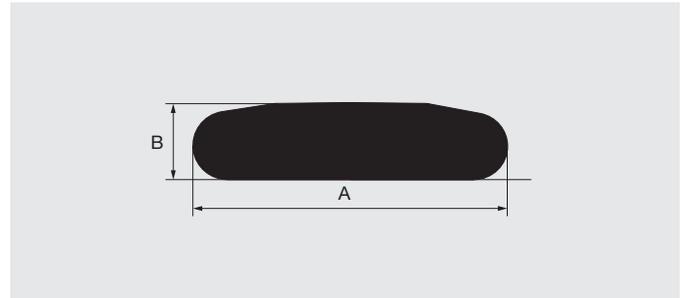
COUNTERWEIGHT



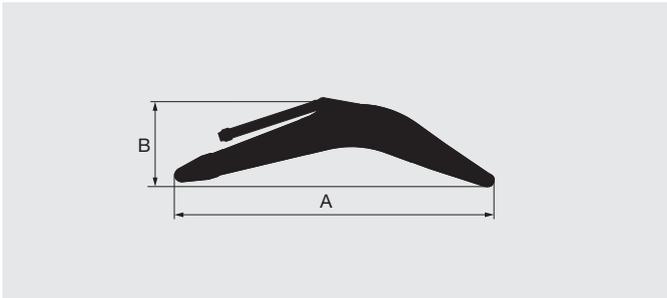
BASIC MACHINE (WITHOUT COUNTERWEIGHT)



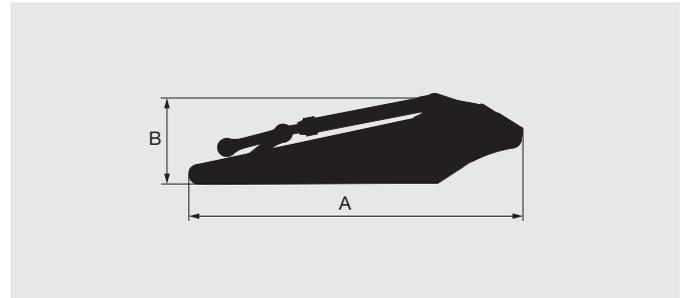
SIDE FRAME



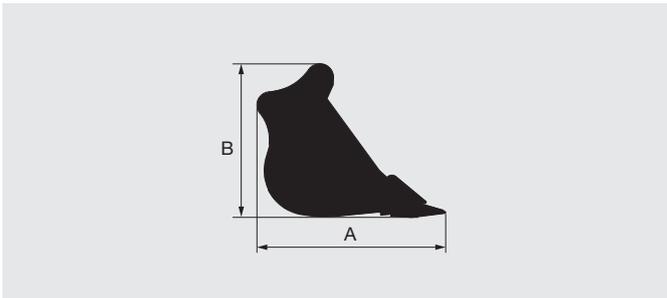
BOOM



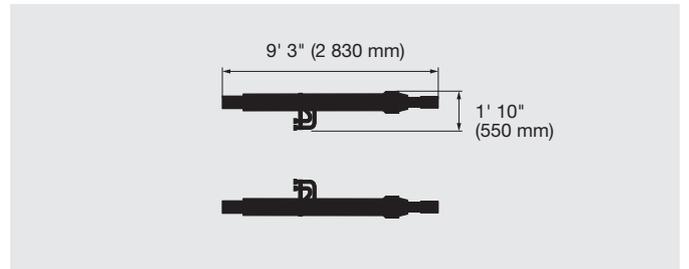
ARM



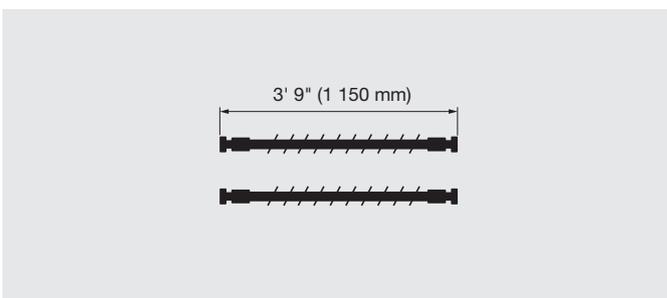
BUCKET



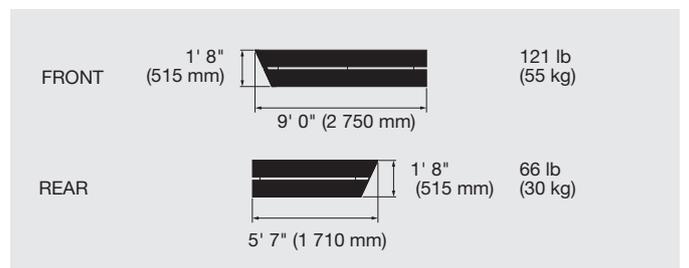
BOOM CYLINDERS 1 213 lbs (550 kg) X 2 Overall height: 1' 3" (380 mm)



HOSE OF BOOM CYLINDERS 15 lb (7 kg) X 2 / 22 lb (10 kg) X 2



LEFT SIDEWALK Overall height FRONT: 0' 8" (195 mm) / REAR: 0' 6" (150 mm)



TRANSPORTATION

ZX690LC-7H

UPPERSTRUCTURE

A (ft-in (mm))	B (ft-in (mm))	Overall width (ft-in (mm))	Weight (lb (kg))
17' 1" (5 210)	10' 11" (3 320)	11' 3" (3 420)	49 869 (22 620)

COUNTERWEIGHT

	A (ft-in (mm))	B (ft-in (mm))	Overall width (ft-in (mm))	Weight (lb (kg))
STD	11' 0" (3 360)	2' 0" (616)	5' 5" (1 660)	22 928 (10 400)
OPT*1	11' 0" (3 360)	2' 0" (616)	5' 8" (1 730)	21 700 (9 820)

*1 For the counterweight removal/installation

BASIC MACHINE (WITHOUT COUNTERWEIGHT)

Shoe width (inch (mm))	A (ft-in (mm))	B (ft-in (mm))	C ¹ (ft-in (mm))	Overall width ² (ft-in (mm))	Weight (lb (kg))
35" (900)	20' 6" (6 240)	13' 11" (4 239)	12' 4" (3 760)	12' 3" (3 730)	99 627 (45 190)

¹ Without exhaust funnel

² Undercarriage retracted

SIDE FRAME

Shoe width (inch (mm))	A (ft-in (mm))	B (ft-in (mm))	Overall width (ft-in (mm))	Weight (lb (kg))
35" (900)	19' 2" (5 850)	4' 9" (1 450)	4' 4" (1 320)	31 636 (14 350)

BOOM

Boom length (ft-in (m))	A (ft-in (mm))	B (ft-in (mm))	Overall width (ft-in (mm))	Weight (lb (kg))
25' 7" (7.8) H	26' 8" (8 130)	7' 8" (2 330)	4' 72 (1 390)	14 220 (6 450)

ARM

Arm length (ft-in (m))	A (ft-in (mm))	B (ft-in (mm))	Overall width (ft-in (mm))	Weight (lb (kg))
11' 10" (3.6) H	16' 9" (5 110)	4' 8" (1 430)	2' 7" (790)	8 025 (3 640)
13' 9" (4.2) Semilong	18' 9" (5 710)	4' 7" (1 390)	2' 7" (800)	8 508 (3 859)

BUCKET

Bucket	Capacity (yd ³ (m ³)) ISO 7451 : 2007 heaped	A (ft-in (mm))	B (ft-in (mm))	Overall width (ft-in (mm))	Weight (lb (kg))
Rock bucket	3.8 (2.9)	7' 6" (2 290)	5' 10" (1 770)	5' 7" (1 690)	6 283 (2 850)
	4.3 (3.3)	7' 4" (2 230)	6' 2" (1 890)	5' 10" (1 790)	6 856 (3 110)
	5.2 (4.0)	7' 9" (2 370)	6' 4" (1 930)	6' 6" (1 970)	8 201 (3 720)
R-bucket	3.8 (2.9)	7' 5" (2 270)	5' 11" (1 800)	5' 9" (1 740)	7 474 (3 390)
	4.3 (3.3)	7' 5" (2 270)	6' 4" (1 920)	6' 0" (1 840)	8 796 (3 990)

EQUIPMENT

ZX690LC-7H

● : Standard equipment ○ : Optional equipment

ENGINE	ZX-7H 690LC
Aftertreatment device	●
Air cleaner double filters	●
Alternator 90 A	●
Auto idle system	●
Auto shut-down control	●
Cartridge-type engine oil filter	●
Cartridge-type fuel main filter	●
ConSite OIL (sensor)*	●
DEF / AdBlue® tank	●
DEF / AdBlue® tank inlet strainer and extension filler	●
Dry-type air filter with evacuator valve (with air filter restriction indicator)	●
Dust-proof net	●
ECO / PWR / HP 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	●
Reversible fan	●

HYDRAULIC SYSTEM	ZX-7H 690LC
Auto power lift	●
Attachment pedal	○
Boom mode selector system	●
ConSite OIL (sensor)*	●
Control pattern change valve	○
Control valve with main relief valve	●
Drain filter	●
Engine speed sensing system	●
Extra port for control valve	●
Hose rupture valve for arm	○
Hose rupture valve for boom	○
Pilot filter	●
Power boost	●
Shockless valve in pilot circuit	●
Single-pedal propel control	○
Suction filter	●
Swing auxiliary function lever (AFL)	○
Variable reliefvalve for breaker and crusher	○
Work mode selector	●

CAB	ZX-7H 690LC
Auto control air conditioner	●
Bluetooth® integrated radio	●
Cab : All-weather sound suppressed steel	●
Cab : CRES VII (center pillar reinforced structure)	●
Cab : OPG Level I (ISO10262 : 1998) compliant	●
Console height adjustment	●
Control lever auto-lock	●
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 guard : OPG Level II (ISO10262 : 1998) compliant	○
Front window washer (2 points)	●
Glove compartment	●
Hands-free calling device	●
Hot and cool box	●
Intermittent windshield wiper	●
Key cylinder light	●
Laminated round glass front window	●
LED room light	●
Magazine rack	●
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 3 in. (76 mm)	●
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	●
Smartphone holder	●
Sunscreen roller type (multi-use front or side and rear window)	●
Top guard : OPG top guard Level II (ISO10262 : 1998) compliant	○
Transparent roof with slide curtain	●
USB power supply	●
Wide view wiper	●
Windows on front, upper and lower side can be opened	●
Windows on leftside can be opened	●
2 speakers	●
6 fluid-filled elastic mounts	●
8 inch monitor	●

MONITOR SYSTEM	ZX-7H 690LC
Alarm buzzers: overheat, engine oil pressure, overload, SCR system trouble, etc	●
Alarms: overheat, engine warning, engine oil pressure, alternator, minimum fuel level, hydraulic filter restriction, air filter restriction, work mode, 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, rear view monitor, side view monitor, operating conditions, etc	●
35 languages selection	●

LIGHTS	ZX-7H 690LC
Additional boom LED light with cover	●
Additional cab roof front LED lights	●
LED lights for camera (side and rear view camera)	●
Rotating lamp	○
3 working LED lights	●

UPPER STRUCTURE	ZX-7H 690LC
AERIAL ANGLE (side and rear view camera)	●
Batteries 2 x 147 Ah	●
Body top handrail	●
Counterweight 22 928 lb (10 400 kg)	●
Counterweight 21 700 lb (9 820 kg) **	○
Counterweight removal system	○
Fuel level float	●
Hydraulic oil level gauge	●
Ladder	●
Lockable fuel refilling cap	●
Lockable machine covers	●
Lockable tool box	●
Platform handrail	●
Reinforced under cover	○
Side view mirror (right and left)	●
Sidewalk (cab side)	●
Skid-resistant plates and handrails	●
Swing parking brake	●
Undercover	●
2 way battery disconnect switch	●

EQUIPMENT

ZX690LC-7H

UNDERCARRIAGE	ZX-7H 690LC
Bolt-on sprocket	●
Reinforced track links with pin seals	●
Shoe: 35" (900 mm) double grouser	●
Track undercover	○
Travel direction mark on track frame	●
Travel motor covers	●
Travel parking brake	●
Upper and lower rollers	●
2 track guards (each side)	●
4 tie down hooks	●

ATTACHMENTS	ZX-7H 690LC
Accessories for 2 speed selector	○
Accessories for breaker and crusher	○
Pilot accumulator	●

QUICK LINKS	ZX690LC-7H
Website's Product Page	

● : Standard equipment ○ : Optional equipment

MISCELLANEOUS	ZX-7H 690LC
ConSite	○
Global e-Service	●
Onboard information controller	●
Satellite communication device	○
Standard tool kit	●
Travel alarm	●

FRONT ATTACHMENTS	ZX-7H 690LC
Arm 9' 6" (2.9 m) BE	○
Arm 11' 10" (3.6 m) H	○
Arm 13' 9" (4.2 m) Semilong	●
Boom 22' 4" (6.8 m) BE	○
Boom 25' 7" (7.8 m) H	●
Centralized lubrication system	●
Cylinder hose protectors arm	●
Cylinder hose protectors bucket	●
Damage prevention plate and square bars	●
Dirt seal on all bucket pins	●
Flanged pin	●

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

* Engine oil and hydraulic oil monitoring sensor.

** For the counterweight removal/installation.

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