

ZAXIS-7G series

HITACHI

Reliable Solutions

ZAXIS890



HYDRAULIC EXCAVATOR

Model code	: ZX890-7G / ZX890LC-7G	ZX890H-7G / ZX890LCH-7G	ZX890LCR-7G
Engine rated power	: 377 kW (506HP)	377 kW (506HP)	377 kW (506HP)
Operating weight	: 81 700 - 85 300 kg	81 900 - 84 300 kg	84 800 - 85 300 kg
Bucket capacity	: 2.9 - 4.5 m ³	3.5 - 4.3 m ³	3.5 - 4.3 m ³



GET MORE FROM YOUR MACHINE

You're at the heart of Hitachi Construction Machinery's design for its latest range of excavators. To continuously improve on previous generation machines, we've focused on enhancing your profit in business.

We have made cost reduction for our customers our top priority and, in doing so, have achieved reduced fuel consumption. The cab has been redesigned to improve the operator's working environment and controllability, with production also expected to improve. An engine that already has a proven track record of high reliability has been adopted, and we have placed further work in it to make it even more robust. Remote failure diagnosis, monitoring, and OTA (Over The Air - controller rewriting) are also supported to reduce downtime.

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LOWER FUEL CONSUMPTION



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QUARRY SITES R-series



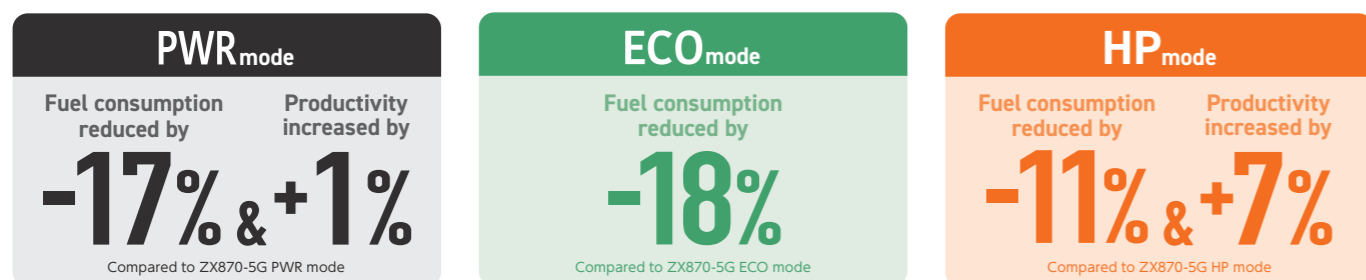
12-13 | SMOOTH
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MORE PRODUCTION LOWER FUEL CONSUMPTION

The HIOS-V new Hydraulic system has achieved both increased productivity and reduced fuel consumption in each mode. The ZAXIS performance contributes to increase the returns to the customer.



HIOS-V Hydraulic system

The hydraulic system developed was based on the concept of a hydraulic system that fits in-line with a sense of human operation.

- ✓ Efficient hydraulic control achieves smoother and more speedy movement of front attachments.
- ✓ Fine-tuned hydraulic pump control according to work load reduces fuel consumption and supports cost reductions.

Reduced oil pressure loss

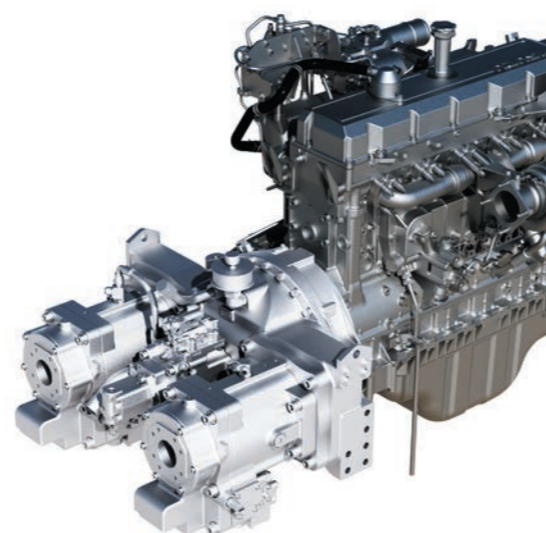
A new valve has been adopted to reduce hydraulic loss and further improve hydraulic efficiency.

- ✓ Contributing to low fuel consumption operation

High power engine

Rated power has been increased from the conventional ZX870-5G engine contributing to greater work volume.

- ✓ Increased workload



	ZX870-5G	ZX890-7G
Rated output (ISO 14396:2002)	360kW	377kW

High efficiency operation support system

ECO gauge

The current fuel consumption is indicated by segment display, prompting the operator to better fuel economy. The lower the fuel consumption, the higher the segment.

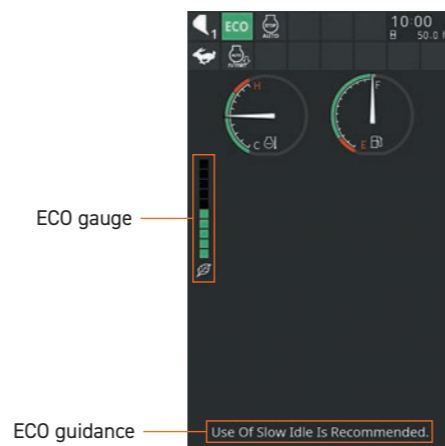
Easy to be removed and cleaned

ECO guidance

Prompts the operator to better fuel economy.

Messages are also shown while the ECO gauge is displayed.

- ✓ Prompts operator for better economy



BETTER OPERABILITY

In the cab of the Zaxis-7G, enhanced comfort and safety features are at your fingertips, offering the power to perform greater productivity with ease as well as reduced fatigue.



Operation is easy with ergonomically designed controls and switches.



Low-reflective color 8" monitor, 42% larger display compared to ZX-5G series. Easier to view and navigate. Optional USB power supply and Bluetooth® available.



New designed pilot shut-off lever
The newly designed pilot shut-off lever allows easier locking and unlocking with wrist operation.



AERIAL ANGLE (Optional)
270-degree bird's eye-view camera system is available as an option.

HIGH DURABILITY AND RELIABILITY

Completing a project on time and on budget depends on the ability of your construction equipment to perform all day, every day. That's why Hitachi construction machinery owners have profited from generations of reliable and durable machinery. Hitachi Construction Machinery is always conscious of improving long-term reliability in its machine development. High long-term reliability is good in not only performance all day, every day but also for resale value.

H Boom

Complete joint penetration has been applied to areas where the load is focused, and durability and reliability have been further improved.



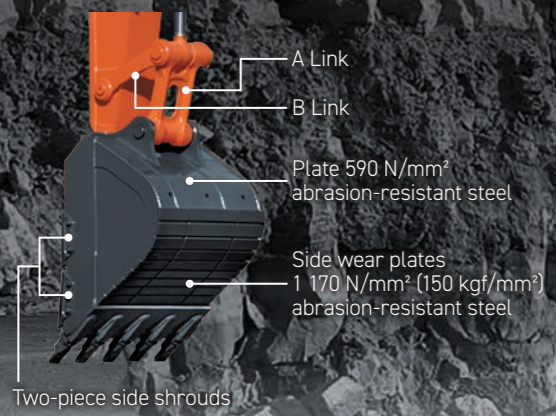
H Arm

A forged boss is used in the arm rod. Complete joint penetration has been applied to areas where the load is focused, and durability and reliability have been further improved.



Rock bucket (ZX890H-7G, ZX890LCH-7G only)

A rock bucket has been adopted in consideration for sites requiring heavier excavator work. Equipped with horizontal wear plates and two-piece side shrouds for increased durability.



Undercarriage (ZX890H-7G, ZX890LCH-7G only)

Full track guard
Protects the lower roller and link from boulders and extending the unit's operating life.



Equipped with an Expansion tank

✓ Improving the reliability of the engine cooling performance



An engine with improved reliability

The engine is a highly reliable model that has already been adopted previously. In adopting it for the ZX-7G, we have put in our efforts to further increase durability and to BOOST your uptime. EGR (Exhaust Gas Recirculation) is removed from the engine, increasing its durability for using low-quality fuel.



H-front attachment (Same as the standard model)

H/R Cab (ZX890H-7G, ZX890LCH-7G only)



A reinforced cab for H&R specification machines with a reinforced windshield and a FOPS* guard that protects the cab from falling objects. The front has a laminated straight glass front window that shuts out dust. The cab front guard (optional), also complies with the ISO standard OPG**.

*FOPS: Falling-Object Protective Structure
**OPG: Operator Protective Guards

Reinforced undercover (ZX890H-7G, ZX890LCH-7G only)

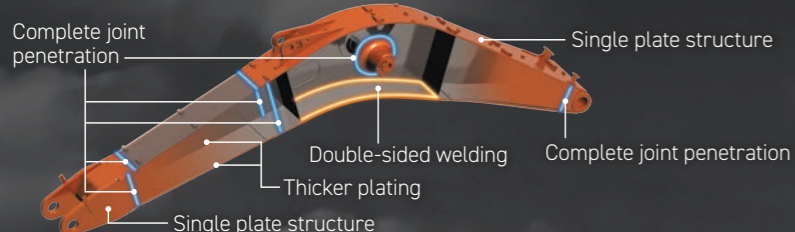
Laminated straight glass front window

GREATER DURABILITY IN QUARRY SITES R-series

Realizing higher quality and stronger durability
 "Abrasion-resistant steel has been adopted, and strength has been further increased by changing the structure."
 "Durable front structure and joints"
 "Reinforced undercarriage that can withstand severe ground conditions"
 Achieved stronger durability that meets customer needs.

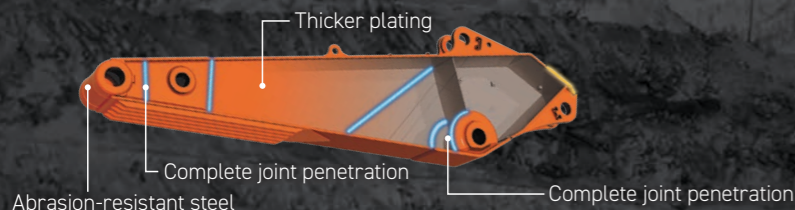
R Boom

Double-sided welding and complete joint penetration are applied to improve the rigidity and durability of the boom. Durability is also improved by the boom end side plate's single plate structure, thicker boom end bush and other various components.



R Arm

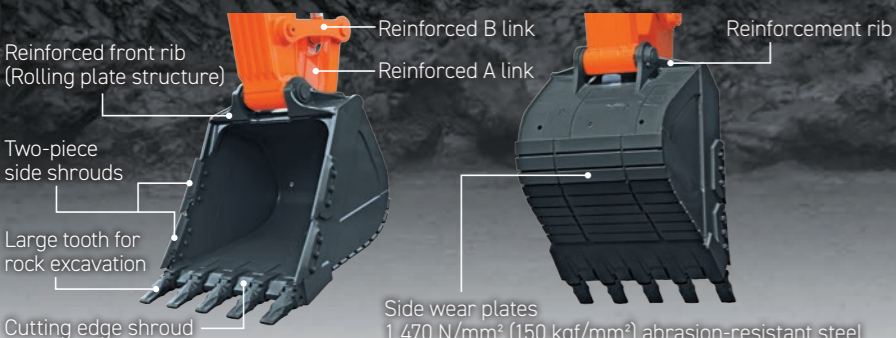
Thicker arm side frames are installed, improving durability. Arm dent prevention plates and five square bars prevent the deformation of the arm during digging and loading of limestone and crushed stone.



R Bucket

R bucket for crushed stones: High durability by adopting abrasion-resistant steel, two-piece side shrouds, cutting edge shrouds, and large bucket claws for rock excavation. The side wear plate is made of 1 470 N/mm² (150 kgf/mm²) class abrasion-resistant steel that has high wear resistance and is easy to repair by welding. Repair work such as replacements can also be done relatively easily.

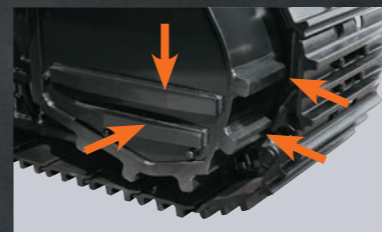
R Bucket for limestone: Limestone has slightly sticky properties and can be tough to work with, and places a large load on the front structure during excavation. For this reason, the R bucket designed for limestone has a structure that emphasizes crack prevention. The arm mounting bracket has been strengthened with added ribs. Impact resistance is improved by increasing the length of welded part. In addition, 1 470 N/mm² (150 kgf/mm²) grade abrasion-resistant steel is used to improve wear resistance.



*The photo shows the R bucket for crushed stone.

Undercarriage

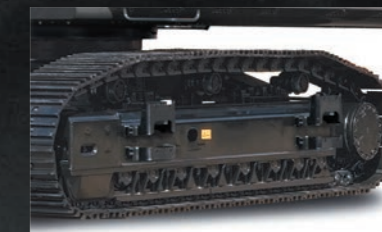
Reinforced travel motor guard
 Protects the travel motor from rocks and prevents the damage to travel motor.



Reinforced idler bracket
 The idler bracket is strengthened to cope with frequent impacts.



Full track guard
 Protects the lower roller link from rocks and extending the unit's operating life.



H/R Cab



A reinforced cab for H&R specification machines with a reinforced windshield and a FOPS* guard that protects the cab from falling objects. The front has a laminated straight glass front window that shuts out dust. The cab front guard (optional), also complies with the ISO standard OPG**.
 *FOPS: Falling-Object Protective Structure
 **OPG: Operator Protective Guards

Reinforced B Link

Reinforced A link

Laminated straight glass front window

Reinforced undercover

Photo:ZX890LCR-7G

SMOOTH MAINTENANCE

Regular maintenance is essential for the machine to achieve high performance. Hitachi's excavator is designed for ease of regular maintenance. Simple and easy maintenance keeps the machine in good condition and keeps its high performance.



Easy-access air conditioner condenser

- ✓ The cover can be opened without the need for any tools
- ✓ Easy to clean Radiator/Oil Cooler/Inter cooler core with simple air blowing



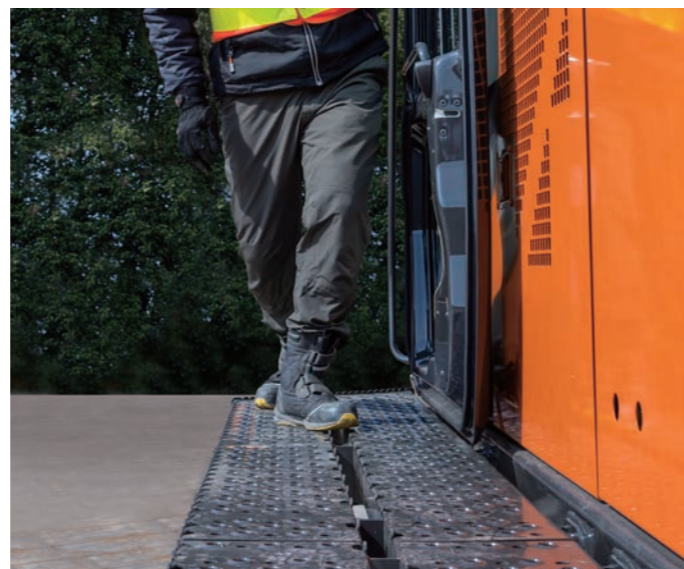
Dust-proof net on right side cover

- ✓ Provided on the cover, in front of radiator core
- ✓ Easy cleaning with compressed air



Simplified engine oil drainage

- ✓ Drain work can be done more easily by attaching a dedicated nozzle hose.



Side walk

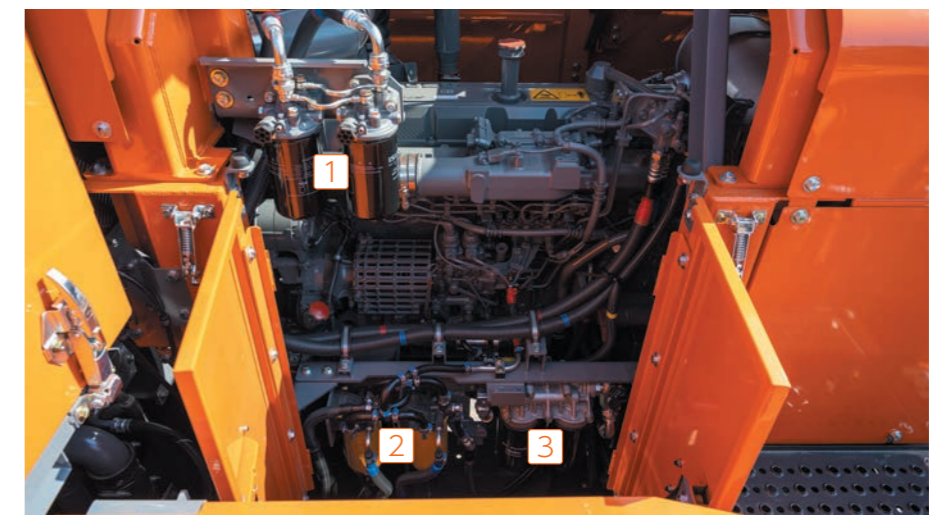
- ✓ Easy to move from cab to pump room or platform



Easy access to filters

Filter locations are concentrated in the pump room

- 1 Fuel main filter
- 2 Fuel pre-filter with water separator
- 3 Engine oil filter



MACHINE MANAGEMENT

Hitachi Construction Machinery offers a wide range of after-sales services to help you feel in total control of your fleet and workload. These initiatives give you access to vital data and tools to manage your machine.



A wide range of data on Global e-Service enhances efficiency.

Data report

Regular reports inform you of the machine's operation status. Emergency reports inform you of alarm information. The stable operation of the machine is further supported with two types of reports visualizing the machine's daily operation status.

Monthly report

Regular reports on the operating status of each machine.

Alarm report

If an emergency alarm is generated from a sensor mounted on the machine, its alarm content is reported by e-mail in a timely manner. You can receive it on your computer, mobile phone, or smartphone (communication format is via e-mail).

movie for further info.



ConSite Air

This is a service solution to diagnose machine status and update software from a remote location using OTA (Over The Air).

- Machine status, including error code display and sensor data, can be checked quickly, reducing downtime due to machine trouble.
- Software updates can be performed remotely, reducing the amount of machine downtime required.



Remote Diagnosis



Remote Software update

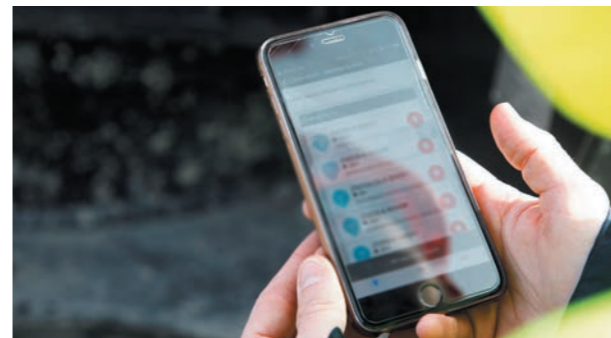
movie for further info.



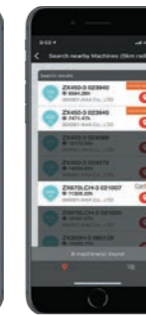
ConSite Pocket

ConSite Pocket sends you real-time alerts for issues arising with your machine. You'll receive recommendations on what to do and step-by-step help guides. The app also enables you to see the location of your fleet.

- Use your smartphone to check monthly reports, alarm reports, as well as machine operating positions.
- If an alarm report is generated, the system will notify you immediately using a push notification.



Monthly report

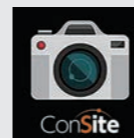


Machine finder



Location information

movie for further info.



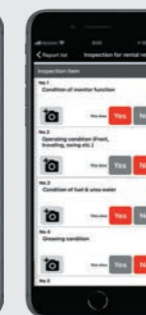
ConSite Shot

This is a smartphone application that allows you to easily perform daily inspections of your machines and rental warehousing / delivery management.

- You can easily create high-quality inspection reports and share information within your company or with agents etc.
- Customers who have rental machines can also use it during rental warehousing / delivery inspections.



Load condition



Acceptance or delivery inspection of rental machines



Inspection report with condition photo

movie for further info.



ConSite OIL

This system detects if the oil quality has deteriorated, due to contamination or low viscosity. If this happens, you and your authorized dealer will receive an alert.

movie for further info.



SPECIFICATIONS

ENGINE	
Model	Isuzu 6WG1
Type	4-cycle water-cooled, common rail direct injection
Aspiration	Variable geometry turbocharged, intercooled
No. of cylinders	6
Rated power	
ISO 14396 : 2002 gross	377 kW (506 HP) at 1 800 min ⁻¹ (rpm)
ISO 9249 : 2007 net	375 kW (503 HP) at 1 800 min ⁻¹ (rpm)
Maximum torque	2 138 Nm (218 kgfm) at 1 500 min ⁻¹ (rpm)
Piston displacement	15.681 L
Bore and stroke	147 mm x 154 mm
Batteries	2 x 12 V

HYDRAULIC SYSTEM			
Hydraulic Pumps			
Main pumps	2 variable displacement axial piston pumps		
Maximum oil flow	2 x 512 L/min		
Pilot pump	1 gear pump		
Maximum oil flow	50 L/min		
Hydraulic Motors			
Travel	2 axial piston motors with parking brake		
Swing	2 axial piston motor		
Relief Valve Settings			
Implement circuit	31.9 MPa (325 kgf/cm ²)		
Swing circuit	28.4 MPa (290 kgf/cm ²)		
Travel circuit	34.3 MPa (350 kgf/cm ²)		
Pilot circuit	3.9 MPa (40 kgf/cm ²)		
Power boost	34.3 MPa (350 kgf/cm ²)		
Hydraulic Cylinders			
	Quantity	Bore	Rod diameter
Boom	2	215 mm	150 mm
Arm	1	225 mm	160 mm
Bucket	1	200 mm	140 mm
Bucket (BE)	1	215 mm	150 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/hydraulicreleased disc type.	
Swing speed	7.4 min ⁻¹ (rpm)
Swing torque	194 kNm (19 800 kgfm)

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	3
Lower rollers	8 : ZX890-7G / ZX890H-7G
	9 : ZX890LC-7G / ZX890LCH-7G / ZX890LCR-7G
Track shoes	47 : ZX890-7G / ZX890H-7G
	51 : ZX890LC-7G / ZX890LCH-7G / ZX890LCR-7G
Track guards	2 : ZX890-7G / ZX890LC-7G
	Full track guard : ZX890H-7G / ZX890LCH-7G / ZX890LCR-7G
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 4.6 km/h
	Low : 0 to 3.1 km/h
Maximum traction force	560 kN (57 100 kgf)
Gradeability	70 % (35 degree) continuous

SERVICE REFILL CAPACITIES	
Fuel tank	1 110.0 L
Engine coolant	133.0 L
Engine oil	54.0 L
Pump drive	6.2 L
Swing device (each)	15.7 L
Travel device (each side)	19.0 L
Hydraulic system	1 042.0 L
Hydraulic oil tank	500.0 L

WEIGHTS AND GROUND PRESSURE

Operating Weight and Ground Pressure

ZX890-7G

Shoe grouser type	Shoe width	Arm type	Boom type	Bucket Capacity (ISO7451 : 2007 heaped)	Operating weight	Ground pressure	
	mm				kg	kPa	kgf/cm ²
Double	650	2.95 m BE	7.1 m BE	4.5 m ³ Bucket	81 700	123	1.25
		3.7 m H	8.4 m H	3.5 m ³ Bucket	81 900	123	1.25
	750	2.95 m BE	7.1 m BE	4.5 m ³ Bucket	82 300	107	1.09
		3.7 m H	8.4 m H	3.5 m ³ Bucket	82 500	107	1.09

ZX890LC-7G

Shoe grouser type	Shoe width	Arm type	Boom type	Bucket Capacity (ISO7451 : 2007 heaped)	Operating weight	Ground pressure	
	mm				kg	kPa	kgf/cm ²
Double	650	2.95 m BE	7.1 m BE	4.5 m ³ Bucket	83 500	125	1.27
		3.7 m H	8.4 m H	3.5 m ³ Bucket	83 600	125	1.27
	750	2.95 m BE	7.1 m BE	4.5 m ³ Bucket	84 200	109	1.11
		3.7 m H	8.4 m H	3.5 m ³ Bucket	84 300	110	1.12
	900	2.95 m BE	7.1 m BE	4.5 m ³ Bucket	85 100	92	0.94
		3.7 m H	8.4 m H	3.5 m ³ Bucket	85 300	92	0.94

ZX890H-7G

Shoe grouser type	Shoe width	Arm type	Boom type	Bucket Capacity (ISO7451 : 2007 heaped)	Operating weight	Ground pressure	
	mm				kg	kPa	kgf/cm ²
Double	650	2.95 m BE	7.1 m BE	4.3 m ³ Rock Bucket	82 500	124	1.26
		3.7 m H	7.1 m BE	3.7 m ³ Rock Bucket	81 900	123	1.25
		3.7 m H	8.4 m H	3.5 m ³ Rock Bucket	82 400	124	1.26

ZX890LCH-7G

Shoe grouser type	Shoe width	Arm type	Boom type	Bucket Capacity (ISO7451 : 2007 heaped)	Operating weight	Ground pressure	
	mm				kg	kPa	kgf/cm ²
Double	650	2.95 m BE	7.1 m BE	4.3 m ³ Rock Bucket	84 300	126	1.28
		3.7 m H	7.1 m BE	3.7 m ³ Rock Bucket	83 800	126	1.28
		3.7 m H	8.4 m H	3.5 m ³ Rock Bucket	84 200	126	1.28

ZX890LCR-7G

Shoe grouser type	Shoe width	Arm type	Boom type	Bucket Capacity (ISO7451 : 2007 heaped)	Operating weight	Ground pressure	
	mm				kg	kPa	kgf/cm ²
Double	650	2.95 m BER	7.1 m BER	4.3 m ³ R Bucket	84 800	127	1.30
		3.7 m R	7.1 m BER	3.7 m ³ R Bucket	85 300	128	1.31
		3.7 m R	8.4 m R	3.5 m ³ R Bucket	84 700	127	1.30

SPECIFICATIONS

BUCKET AND ARM DIGGING FORCE

ZX890-7G / ZX890LC-7G

Boom length	7.1 m BE		8.4 m H	
	2.95 m BE		3.7 m H	
Arm length	kN	kgf	kN	kgf
	Bucket digging force* ISO 6015 : 2006	472	48 100	399
Arm crowd force* ISO 6015 : 2006	394	40 200	323	32 900

* At power boost

ZX890H-7G / ZX890LCH-7G

Boom length	7.1 m BE				8.4 m H	
	2.95 m BE		3.7 m H		3.7 m H	
Arm length	kN	kgf	kN	kgf	kN	kgf
	Bucket digging force* ISO 6015 : 2006	472	48 100	402	41 000	402
Arm crowd force* ISO 6015 : 2006	394	40 200	324	33 000	324	33 000

* At power boost

ZX890LCR-7G

Boom length	7.1 m BER				8.4 m R	
	2.95 m BER		3.7 m R		3.7 m R	
Arm length	kN	kgf	kN	kgf	kN	kgf
	Bucket digging force* ISO 6015 : 2006	472	48 100	402	41 000	402
Arm crowd force* ISO 6015 : 2006	394	40 200	324	33 000	324	33 000

* At power boost

BACKHOE ATTACHMENTS

ZX890-7G

Bucket	Capacity (m ³)	Width (mm)		No. of teeth	Weight (kg)	Boom 7.1 m BE	Boom 8.4 m H
	ISO7451: 2007 heaped	Without side cutters	With side cutters			Arm 2.95 m BE	Arm 3.7 m H
Backhoe bucket	2.9	1 590	1 780	5	2 700	×	○
	3.5	1 850	2 040	5	2 950	×	○
	4.5	2 120	2 190	5	3 970	○	×
Rock bucket	5.0	2 240	2 260	5	4 660	○	×
Applicable shoe type						650 mm double grouser 750 mm double grouser	

ZX890LC-7G

Bucket	Capacity (m ³)	Width (mm)		No. of teeth	Weight (kg)	Boom 7.1 m BE	Boom 8.4 m H
	ISO7451: 2007 heaped	Without side cutters	With side cutters			Arm 2.95 m BE	Arm 3.7 m H
Backhoe bucket	2.9	1 590	1 780	5	2 700	×	○
	3.5	1 850	2 040	5	2 950	×	○
	4.5	2 120	2 190	5	3 970	○	×
Rock bucket	5.0	2 240	2 260	5	4 660	○	×
Applicable shoe type						650 mm double grouser 750 mm double grouser 900 mm double grouser	

ZX890H-7G

Bucket	Capacity (m ³)	Width (mm)		No. of teeth	Weight (kg)	Boom 7.1 m BE		Boom 8.4 m H
	ISO7451: 2007 heaped	Without side cutters	With side cutters			Arm 2.95 m BE	Arm 3.7 m H	Arm 3.7 m H
Rock bucket	3.5	1 870	1 890	5	3 790	×	●	●
	3.7	1 950	1 970	5	3 900	×	●	×
	4.3	2 090	2 110	5	4 270	●	×	×
	5.0	2 240	2 260	5	4 660	○	×	×
Ripper bucket	1.9	–	1 490	3	4 200	×	●	●
	2.2	–	1 580	3	4 400	●	×	×
One-point ripper				1	2 680	●	●	●
Applicable shoe type						650 mm double grouser		

ZX890LCH-7G

Bucket	Capacity (m ³)	Width (mm)		No. of teeth	Weight (kg)	Boom 7.1 m BE		Boom 8.4 m H
	ISO7451: 2007 heaped	Without side cutters	With side cutters			Arm 2.95 m BE	Arm 3.7 m H	Arm 3.7 m H
Rock bucket	3.5	1 870	1 890	5	3 790	×	●	●
	3.7	1 950	1 970	5	3 900	×	●	×
	4.3	2 090	2 110	5	4 270	●	×	×
	5.0	2 240	2 260	5	4 660	○	×	×
Ripper bucket	1.9	–	1 490	3	4 200	×	●	●
	2.2	–	1 580	3	4 400	●	×	×
One-point ripper				1	2 680	●	●	●
Applicable shoe type						650 mm double grouser		

ZX890LCR-7G

Bucket	Capacity (m ³)	Width (mm)		No. of teeth	Weight (kg)	Boom 7.1 m BER		Boom 8.4 m R
	ISO7451: 2007 heaped	Without side cutters	With side cutters			Arm 2.95 m BER	Arm 3.7 m R	Arm 3.7 m R
R bucket	3.5	1 870	1 890	5	4 870	×	●	●
	3.7	1 950	1 970	5	4 970	×	●	×
	4.3	2 090	2 110	5	5 690	●	×	×
Applicable shoe type						650 mm double grouser		

● Heavy-duty service

○ Suitable for material with density of 1 500 kg/m³ or less

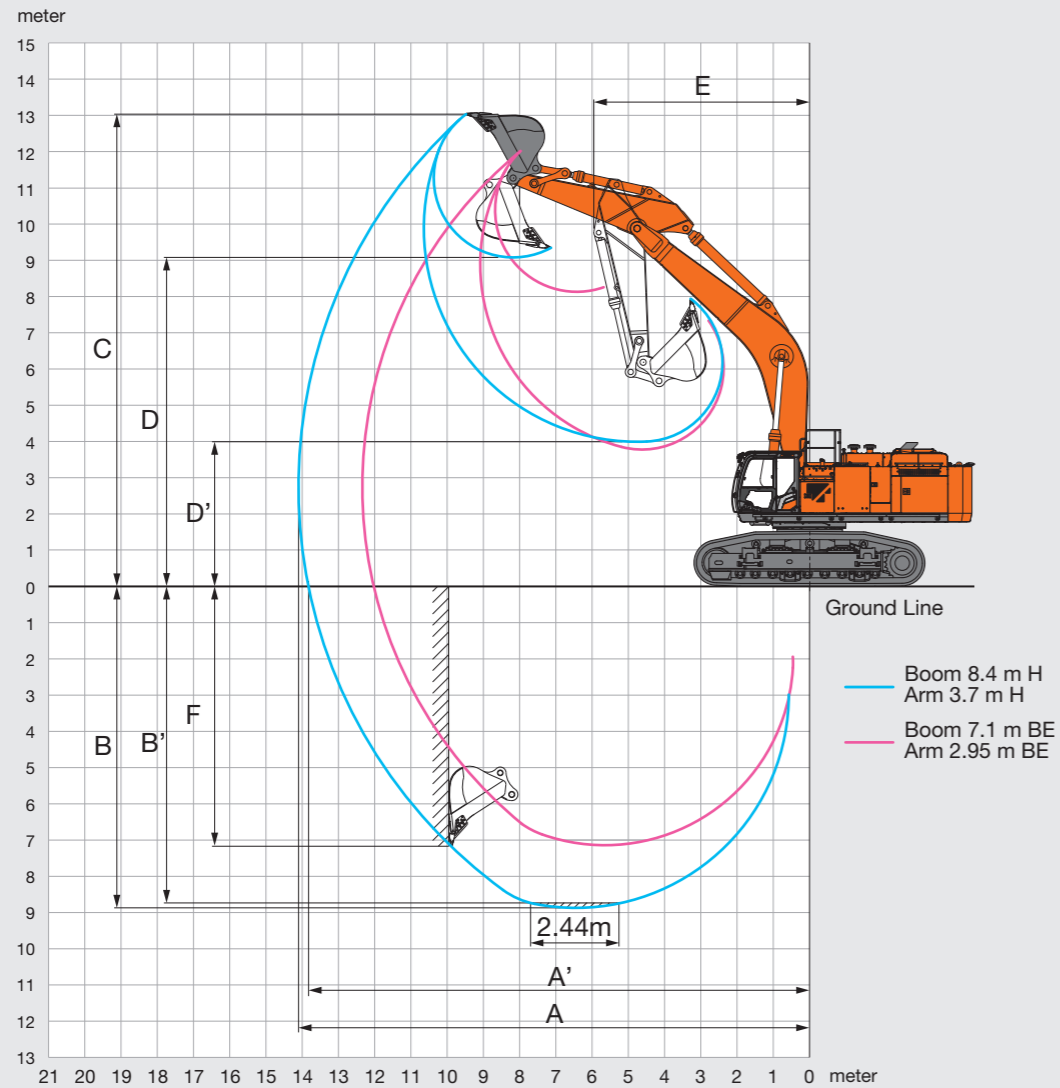
○ Suitable for material with density of 1 800 kg/m³ or less

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SPECIFICATIONS

ZX890-7G / ZX890LC-7G

WORKING RANGES



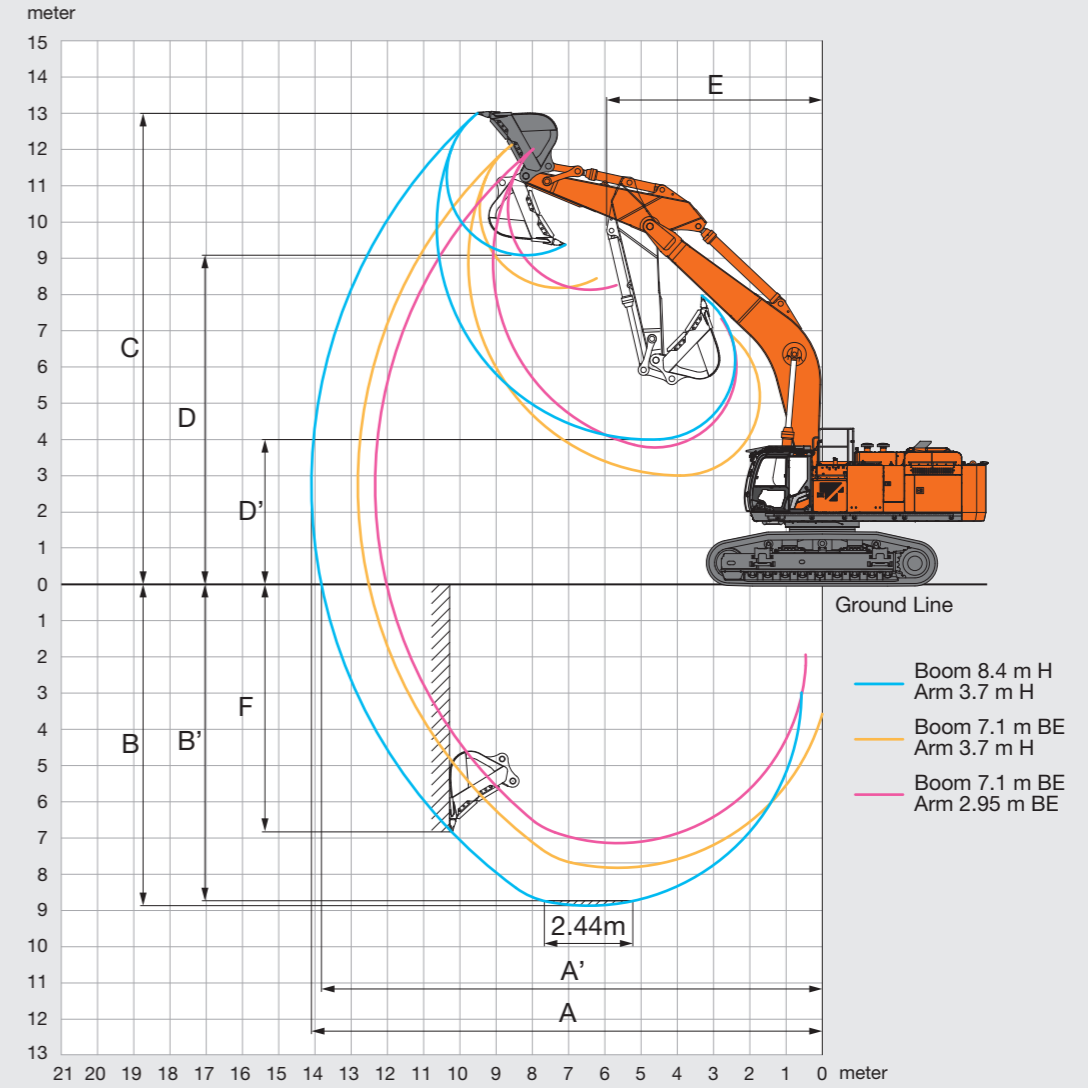
Unit: mm

	ZX890-7G / ZX890LC-7G	
	7.1 m BE	8.4 m H
Arm length	2.95 m BE	3.7 m H
A Max. digging reach	12 340	14 100
A' Max. digging reach (on ground)	12 020	13 820
B Max. digging depth	7 140	8 870
B' Max. digging depth for 2.44 m level	7 000	8 740
C Max. cutting height	12 010	13 030
D Max. dumping height	8 130	9 080
D' Min. dumping height	3 770	3 990
E Min. swing radius	5 210	5 950
F Max. vertical wall digging depth	4 100	7 170

Excluding track shoe lug

ZX890H-7G / ZX890LCH-7G

WORKING RANGES



Unit: mm

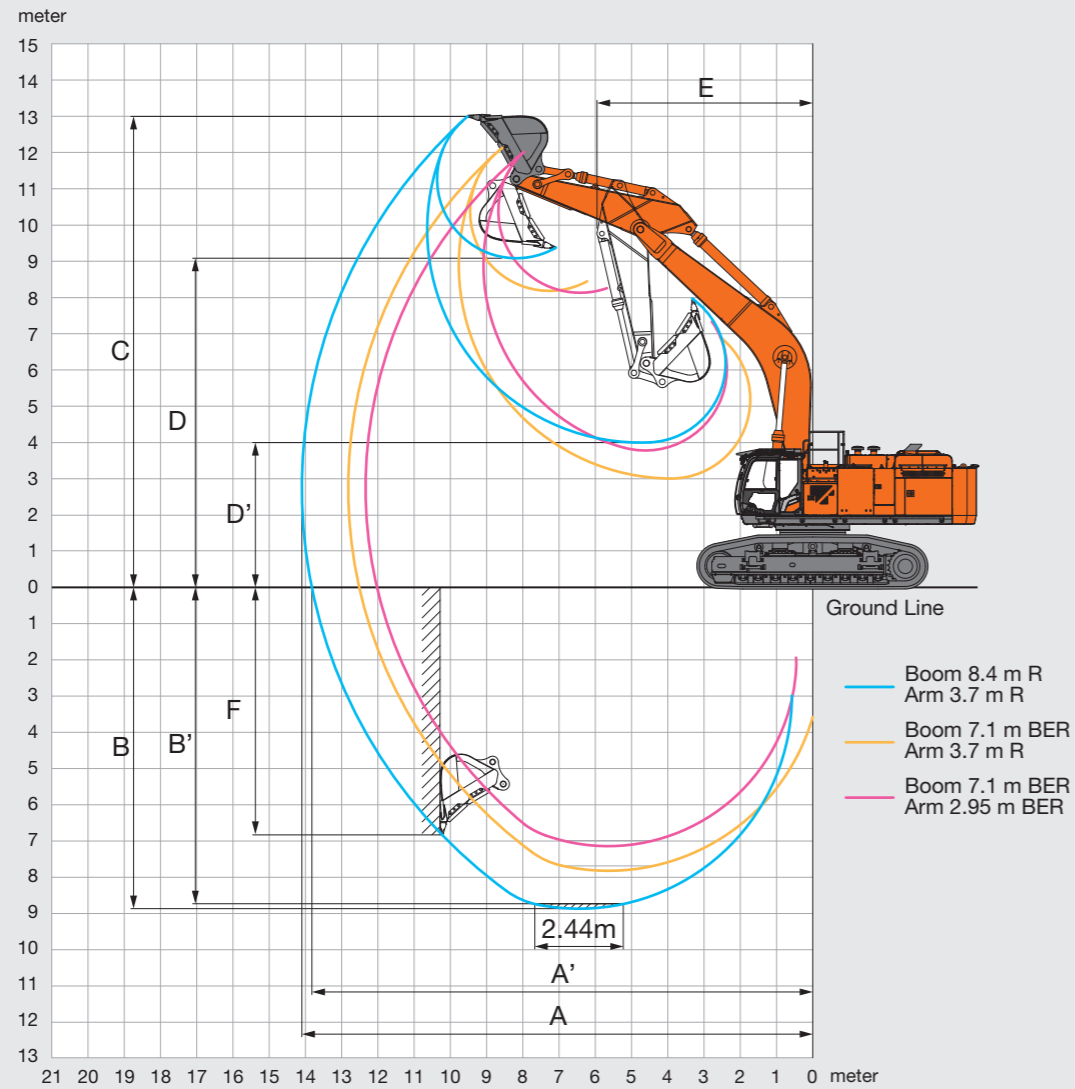
	ZX890H-7G / ZX890LCH-7G		
	7.1 m BE	3.7 m H	8.4 m H
Arm length	2.95 m BE	3.7 m H	3.7 m H
A Max. digging reach	12 340	12 810	14 100
A' Max. digging reach (on ground)	12 020	12 510	13 820
B Max. digging depth	7 140	7 820	8 870
B' Max. digging depth for 2.44 m level	7 000	7 690	8 740
C Max. cutting height	12 010	12 130	13 000
D Max. dumping height	8 130	8 180	9 080
D' Min. dumping height	3 770	3 000	3 990
E Min. swing radius	5 210	5 090	5 950
F Max. vertical wall digging depth	4 100	6 090	6 840

Excluding track shoe lug

SPECIFICATIONS

ZX890LCR-7G

WORKING RANGES



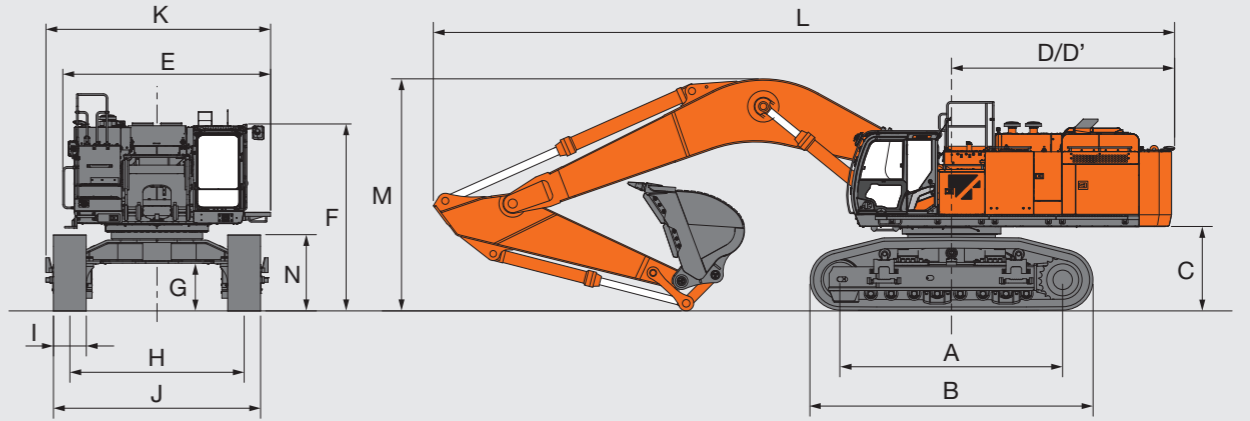
Unit: mm

	ZX890LCR-7G		
	7.1 m BER		8.4 m R
	2.95 m BER	3.7 m R	3.7 m R
A Max. digging reach	12 340	12 810	14 100
A' Max. digging reach (on ground)	12 020	12 510	13 820
B Max. digging depth	7 140	7 820	8 870
B' Max. digging depth for 2.44 m level	7 000	7 690	8 740
C Max. cutting height	12 010	12 130	13 000
D Max. dumping height	8 130	8 180	9 080
D' Min. dumping height	3 770	3 000	3 990
E Min. swing radius	5 210	5 090	5 950
F Max. vertical wall digging depth	4 100	6 090	6 840

Excluding track shoe lug

ZX890-7G / ZX890LC-7G / ZX890H-7G / ZX890LCH-7G / ZX890LCR-7G

DIMENSIONS



Unit: mm

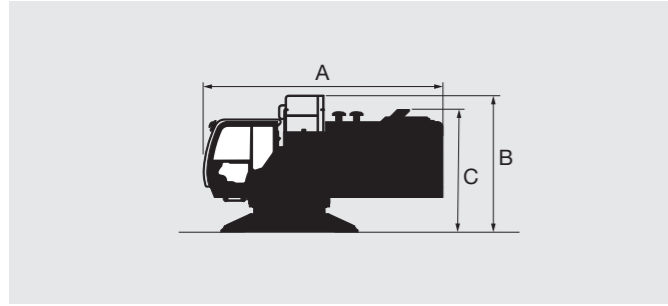
	ZX890-7G	ZX890LC-7G	ZX890H-7G	ZX890LCH-7G	ZX890LCR-7G
A Distance between tumblers	4 590	5 110	4 590	5 110	5 110
B Undercarriage length	5 840	6 360	5 840	6 360	6 360
*C Counterweight clearance	1 680	1 680	1 680	1 680	1 680
D Rear-end swing radius	4 600	4 600	4 600	4 600	4 600
D' Rear-end length	4 520	4 520	4 520	4 520	4 520
E Overall width of upperstructure	4 120	4 120	4 120	4 120	4 120
F Overall height of cab	3 690	3 690	3 800	3 800	3 800
*G Min. ground clearance	890	890	890	890	890
H Track gauge : Extended / Retracted	3 450 / 2 830	3 450 / 2 830	3 450 / 2 830	3 450 / 2 830	3 450 / 2 830
I Track shoe width	650 / 750	650 / 750 / 900	650	650	650
J Undercarriage width : Extended / Retracted					
	with 650 mm shoe	4 100 / 3 480	4 100 / 3 480	4 100 / 3 480	4 100 / 3 480
	with 750 mm shoe	4 200 / 3 580	4 200 / 3 580	-	-
	with 900 mm shoe	-	4 350 / 3 730	-	-
K Overall width	4 450	4 450	4 450	4 450	4 450
**L Overall length	14 800	14 800	14 800	14 800	14 800
**M Overall height of boom	4 770	4 770	4 770	4 770	4 770
**N Track height	1 500	1 500	1 500	1 500	1 500

* Excluding track shoe lug

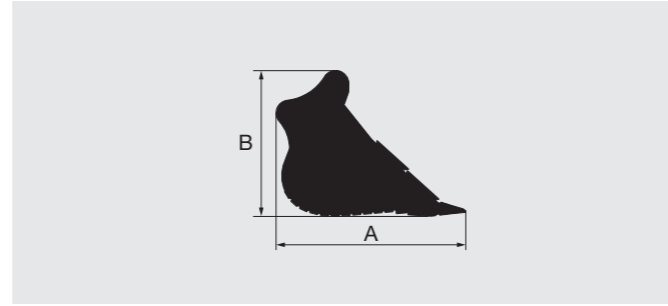
** with Boom 8.4 m and Arm 3.7 m

TRANSPORTATION

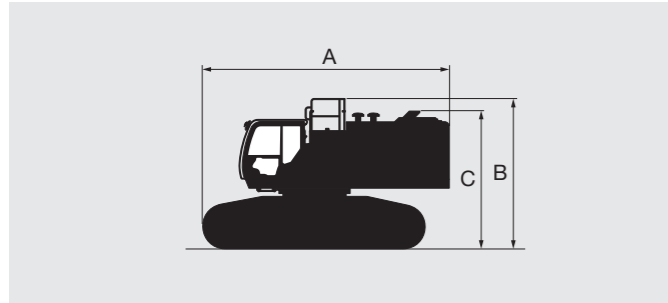
UPPERSTRUCTURE



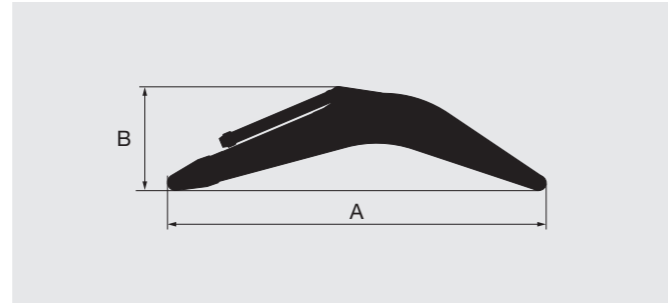
BUCKET



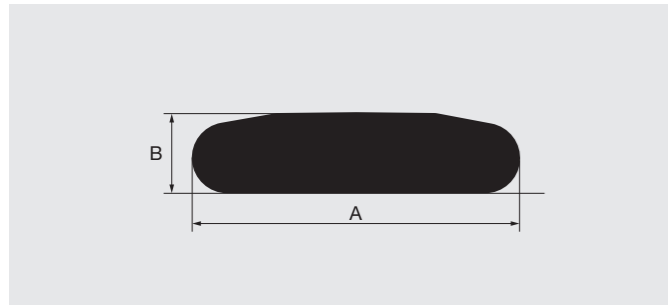
BASIC MACHINE (WITHOUT COUNTERWEIGHT)



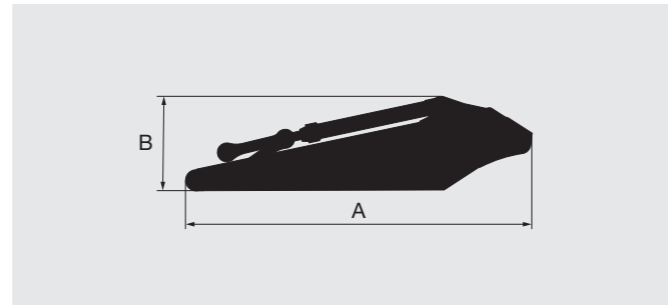
BOOM



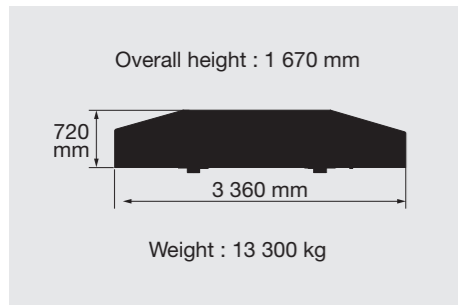
SIDE FRAME



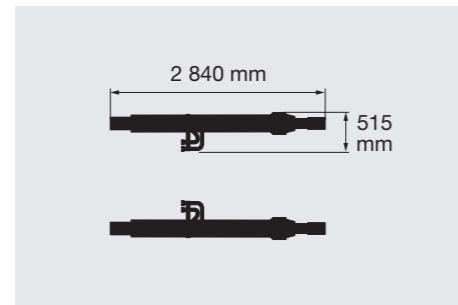
ARM



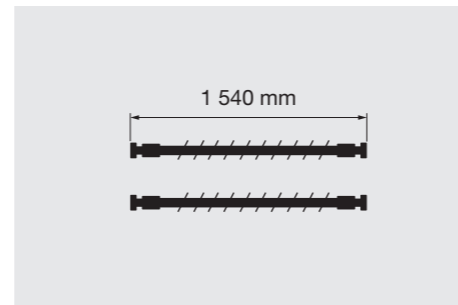
COUNTERWEIGHT



BOOM CYLINDERS 550 kg X 2 Overall height: 410 mm

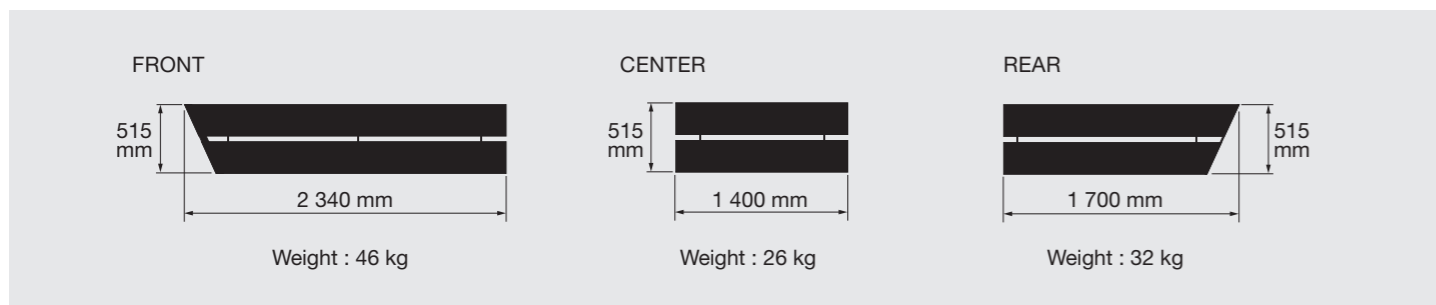


HOSE OF BOOM CYLINDERS 9 kg X 2 / 13 kg X 2



LEFT SIDEWALK

Overall height: 150 mm



UPPERSTRUCTURE

Fixed gauge	A (mm)	B (mm)	C (mm)	Overall width (mm)	Weight (kg)
ZX890-7G	6 040	3 370	2 955	3 420	27 500
ZX890LC-7G	6 040	3 370	2 955	3 420	27 500
ZX890H-7G	6 040	3 370	2 955	3 420	27 700
ZX890LCH-7G	6 040	3 370	2 955	3 420	27 700
ZX890LCR-7G	6 040	3 370	2 955	3 420	27 700

BASIC MACHINE (WITHOUT COUNTERWEIGHT)

Fixed gauge	Shoe width (mm)	A (mm)	B (mm)	C (mm)	Overall width (mm)	Weight (kg)
ZX890-7G	650	6 770	4 300	3 890	3 480	50 100
	750	6 770	4 300	3 890	3 580	50 800
ZX890LC-7G	650	7 080	4 300	3 890	3 480	51 900
	750	7 080	4 300	3 890	3 580	52 600
	900	7 080	4 300	3 890	3 730	53 500
ZX890H-7G	650	6 770	4 300	3 890	3 480	50 800
ZX890LCH-7G	650	7 080	4 300	3 890	3 480	52 700
ZX890LCR-7G	650	7 080	4 300	3 890	3 480	52 970

Notes : Undercarriage retracted.

SIDE FRAME

Fixed gauge	Shoe width (mm)	A (mm)	B (mm)	Overall width (mm)	Weight (kg)
ZX890-7G	650	5 840	1 500	1 330	11 200
	750	5 840	1 500	1 330	11 500
ZX890LC-7G	650	6 360	1 500	1 330	12 100
	750	6 360	1 500	1 330	12 400
	900	6 360	1 500	1 425	12 900
ZX890H-7G	650	5 840	1 500	1 330	11 400
ZX890LCH-7G	650	6 360	1 500	1 330	12 400
ZX890LCR-7G	650	6 360	1 500	1 330	12 700

BUCKET

Bucket	Bucket Capacity ISO heaped (m³)	A (mm)	B (mm)	Overall width (mm)	Weight (kg)
Backhoe bucket	2.9	2 210	1 910	1 780	2 700
	3.5	2 210	1 910	2 040	2 950
	4.5	2 320	2 000	2 190	3 970
Rock bucket	3.5	2 240	1 920	1 890	3 790
	3.7	2 240	1 920	1 970	3 900
	4.3	2 310	2 000	2 110	4 270
R bucket	5.0	2 510	2 020	2 260	4 660
	3.5	2 240	1 920	1 890	4 870
	3.7	2 240	1 920	1 970	4 970
	4.3	2 310	2 000	2 110	5 690

BOOM

Boom	A (mm)	B (mm)	Overall width (mm)	Weight (kg)
7.1 m BE	7 490	2 700	1 450	7 670
8.4 m H	8 780	2 500	1 450	8 200
7.1 m BER	7 490	2 700	1 450	7 680
8.4 m R	8 780	2 500	1 450	8 270

ARM

Arm	A (mm)	B (mm)	Overall width (mm)	Weight (kg)
2.95 m BE	4 460	1 660	850	4 650
3.7 m H	5 290	1 420	820	4 510
2.95 m BER	4 460	1 660	850	4 760
3.7 m R	5 290	1 420	820	4 610

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.

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.