

HYDRAULIC EXCAVATOR

■ Model Code: ZX500LC-3F / ZX520LCH-3F

■ Engine Rated Power: 260 kW (349 HP)

■ Operating Weight :ZX500LC-3F: 49 500 kg ZX520LCH-3F: 51 700 kg

■ Backhoe Bucket : SAE, PCSA Heaped : ZX500LC-3F: 1.15 - 2.65 m³ ZX520LCH-3F: 1.90 - 2.65 m³

CECE Heaped: ZX500LC-3F: 1.00 - 2.30 m³ ZX520LCH-3F: 1.70 - 2.30 m³

The New Generation Hydraulic Excavators

The HITACHI ZAXIS-3 series new-generation hydraulic excavators are packed with a host of technological features-new engine, HITACHI advanced hydraulic technologies, with strong undercarriage and front attachment, plus well matching of power and speed. ZAXIS 500LC / 520LCH's large 60-ton class undercarriage components provide greater travel performance and durability on tough ground conditions.

Durability and reliability

Increased loading capacity of swing

Enlarged upper and lower rollers, idlers and sprockets

Increased traction force

Pressed master pins

Full track guard provided standard (ZAXIS 520LCH)

5 % increase in strength with stronger pin material

Strengthened general-purpose bucket Strengthened H-bucket for heavy-duty

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Productivity

Increased digging force
Enhanced boom recirculation system
Boom mode selector
Larger-diameter front piping
Combined operation of boom and arm
New bucket regenerative system
High power yet low fuel consumption
Common rail type fuel injection system

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Operator comfort

High visibility inside cab
Short stroke levers
Wide foot space
Comfort designed seat
Improved controlability and operator
comfort

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Multi function monitor

Maintenance support
Attachment support system
Multi-language selection
Rear view camera (optional)
Theft deterrent system
Fuel consumption monitoring

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Maintenance

Parallel arrangement of the cooling pack
Conveniently located inspection points
Automatic lubrication (optional) /
repositioned bucket lubricating points
Enlarged fuel tank
Extended hydraulic oil filter change

Safety measures

CRES II cab
(ZAXIS 500LC is standard equipped)
H/R cab
(ZAXIS 520LCH is standard equipped)
Cab right guard

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Environment measures

Evacuation hammer

Pilot control shut-off lever

A quieter machine
A recyclable machine

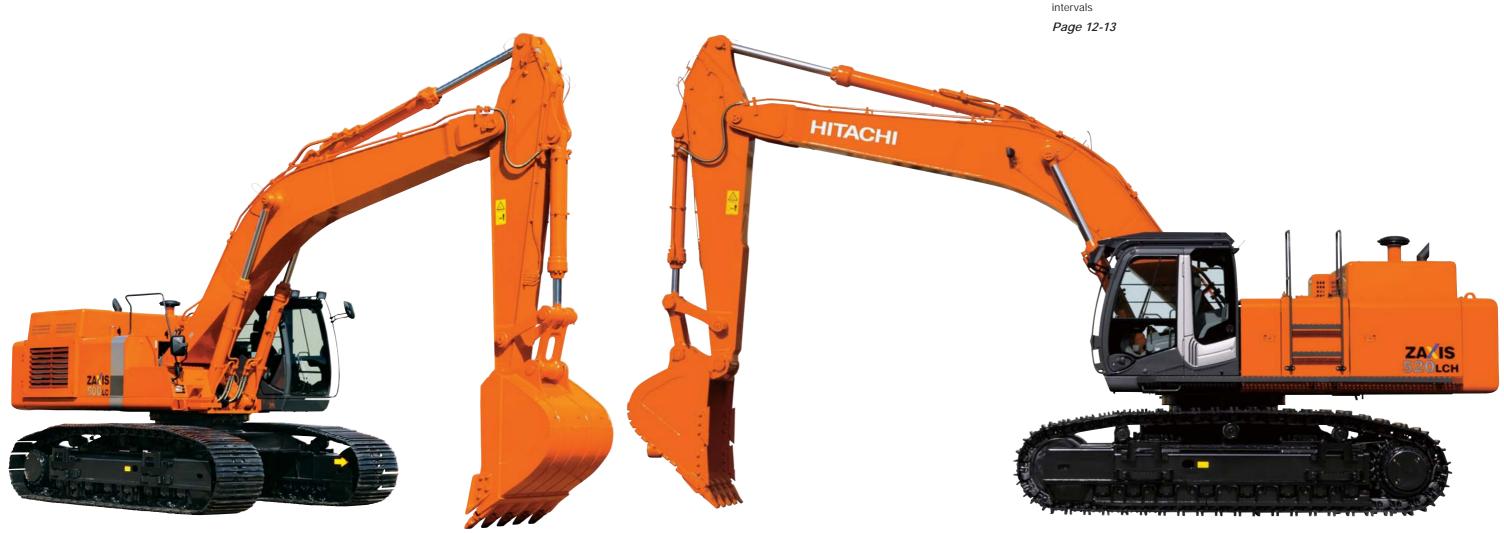
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Parts & service

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Specifications

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Notes: Some of the pictures in this catalog show an unmanned machine with attachments in an operating position. These were taken for demonstration purposes only and the actions shown are not recommended under normal operating conditions.



Strengthened Undercarriage



Increased Loading Capacity of Swing Circle

The number of ball bearings in the swing circle, which sustains the upperstructure, is increased to boost the loading capacity of the swing circle by approximately 6 %, allowing stable swing even in tough operation. (vs. Conventional ZAXIS 480MT / 480MTH)

Enlarged Upper and Lower Rollers, Idlers and Sprockets

Upper and lower rollers, idlers and sprockets, used on the ZAXIS 500LC / 520LCH, are larger in diameter than those on the new ZAXIS 450LC / 470LCH. Undercarriage components capable of bearing a 60-ton class excavator are utilized to give sufficient strength and durability. This feature is suitable for worksites when the machine travels frequently.

Increased Traction Force

On the ZAXIS 500LC / 520LCH, distance between tumblers is shortened, compared to that of the new ZAXIS 450LC / 470LCH, to increase traction force by 30 %.

The feature is suitable for frequent hill climbing and traveling on hard ground

Pressed Master Pins

surfaces.

The master pin of each track link is pressed, instead of master pin using a pin retention to avoid disengagement.



Full Track Guard Provided Standard (ZAXIS 520LCH)

On the H-specification machine, full track guards are provided standard. Full track guards protect track links and lower rollers from damage and deformation.

Moreover, they also keep out stones, preventing the overload to the undercarriage to reduce wear and damage.

Strengthened Front Components

5 % Increase in Strength with Stronger Pin Material

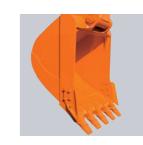
The strength of pins, used in the arm and boom, is increased by 5 %, using harder steel material.

(vs. Conventional ZAXIS 480MT /



Strengthened General-Purpose Bucket

Bucket teeth are reshaped as Super-V teeth for smooth penetration and higher production. Bushings are utilized at both ends of a bucket pin to eliminate clearances, preventing jerky operation.



Strengthened H-Bucket for Heavy-Duty

The heavy-duty bucket is reshaped, and bucket parts are strengthened to increase durability.





Advanced Hydraulic Technologies

Increased Digging Force

7 % more bucket digging force and 8 % more arm digging force.
(At power boost mode)
(vs. Conventional ZAXIS 480MT / 480MTH)

Enhanced Boom Recirculation System

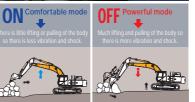
In combined operation of boom lower and arm, arm speed can be increased by approximately 15 % over the conventional. Pressurized oil from boom cylinder bottom side is delivered to boom cylinder rod side to lower the boom, assisted by boom weight. Conventionally, pressurized oil from pump is delivered to boom cylinder rod side to lower the boom. The new system also allows for an efficient combined operation of swing and lowering the boom.



Boom Mode Selector

The amount the body can be lifted or pulled by the front of machine can be ON or OFF selected. This helps to provide for more comfortable operation and contributes to longer component service life.





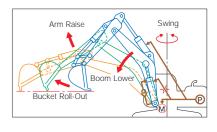
Larger-Diameter Front Piping

Arm piping is increased in diameter to reduce hydraulic loss (theoretically 7 %) for speedy front operation.

Combined Operation of Boom and Arm

In combined operation of swing + boom lower + arm roll-out, or in leveling (boom lower + arm roll-out), arm roll-out speed can be increased greatly.

Here's why. A variable throttle, provided in the arm circuit, adjusts the flow when needed to reduce hydraulic loss in combined operation with arm roll-out.



New Bucket Regenerative System

Swift bucket actions can be done in combined operation for excavation through the new bucket regenerative circuit. When the load to the bucket is light, pressurized oil from bucket cylinder rod side is delivered through a regenerative valve to bucket cylinder bottom side for the effective use of hydraulic energy.

Development Concept of New Engine

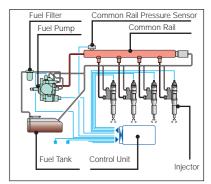
High Power Yet Low Fuel Consumption

4 % Increase in output (vs. Conventional ZAXIS 480MT / 480MTH)

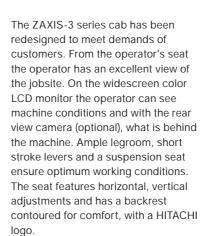
• 260 kW (349 HP) /1 800 min-1

Common Rail Type Fuel Injection

Electronic control common rail type fuel injection system drives an integrated fuel pump at an ultrahigh pressure to distribute fuel to each injector per cylinder through a common rail. This enables optimum combustion to generate big horsepower, and reduce PM* (diesel plume) and fuel consumption.











Wide adjustable armrests and a retractable seat belt are included. Short stroke levers allow for continuous operation with less fatigue. The cab is pressurized to keep out dust. Noise and vibrations are kept to a minimum due to the elastic mounts, filled with silicone oil, the cab rests on.

Visibility is improved especially for the right downward view. Sliding windows on the front (ZAXIS 500LC) and side enable direct communication between operator and other workers. Foot space has increased and travel pedals have been redesigned for easier operation.

A flat floor allows for easy cleaning. Ergonomic controls and switches, fully automatic air conditioner and a radio complete the package.

Embedded Information Technology

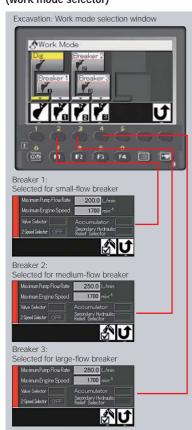
The ZAXIS-3 series is equipped with a widescreen color LCD monitor with adjustable contrast for day and night shifts. With the monitor the operator can check maintenance intervals, select work modes, monitor fuel consumption, and connect to the rear view camera (optional). A theft deterrent system and multi-language selection is also available.

Multi Function Monitor -

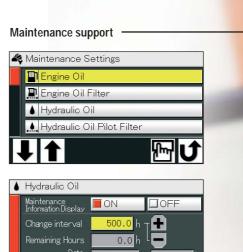


The color LCD monitor, located in the cab, indicates coolant temperature, fuel level, and maintenance data. It also allows one-touch adjustment of the attachment. The display can also be adjusted to day or night shift.

Attachment support system (work mode selector)



The work mode can be selected from the multi-function monitor inside the cab. Pump flow in the selected work mode can be monitored.





Replacement timing of hydraulic oil and fuel filters is alerted to the operator through the LCD monitor according to the schedule preset by the user each time when turning the key switch. The scheduled maintenance can prevent the failure of the machine.

Multi-language Selection



The menu allows selection from 12 languages.





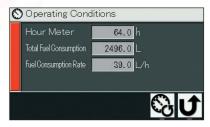
The electronic immobiliser requires the entry of an encryption code to the multifunctional monitor each time when starting the engine to prevent theft and vandalism.

Rear View Camera (Optional)



The widescreen color LCD, teamed up with the rear view camera on the counterweight, gives the operator unobstructed rearward viewing. The rear view camera automatically works when traveling, and can also be manually turned on with a select switch on the monitor.

Fuel Consumption Monitoring



Fuel consumption per operating hour is computed, and the result is displayed on the LCD monitor. This information suggests refuelling timing, and guides energy-saving operation and efficient job management.

10 11

9

8

F1 F2 F3 F4

Simplified Maintenance

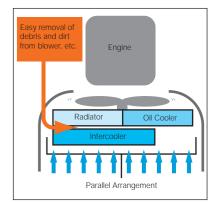


Parallel Arrangement of the Cooling Pack





The radiator and oil cooler are laid out in a parallel arrangement, instead of the conventional in-line arrangement. This parallel arrangement is significantly easier to clean around the engine. The air conditioner condenser can be opened for easy cleaning of the condenser and the radiator located behind.



Conveniently Located Inspection Points







In addition to a pre-filter, dual main fuel filters are provided standard to reduce clogging of the fuel line to the engine.

The engine oil pan is fitted with a drain coupler. When draining, an associated drain hose is connected to the drain coupler. The drain coupler is reliable, avoiding oil leakage and vandalism.

The sidewalk is widened from 340 mm (Conventional ZAXIS 480MT / 480MTH) to 510 mm for smooth walking from cab to rear. The sidewalk is the field-proven split type that permits the detaching of its rear when traveling or operating on rough terrain.

The fresh air filter for the air conditioner is relocated to cab door side from conventional location behind the operator seat. This allows easy cleaning and replacement of the fresh air filter, like the air circulation filter inside the

Extended Maintenance Intervals

Automatic Lubrication (Optional) / Repositioned Bucket Lubricating Points

The front attachment is automatically lubricated (When optional auto-grease lubricator is equipped), except for bucket lubricating points at the top of arm that are repositioned for side lubrication.

Enlarged Fuel Tank

The fuel tank is enlarged, increasing the capacity from 650 liters (Conventional ZAXIS 480MT / 480MTH) to 725 liters. Refueling intervals (when filled fully) extend from 17 to 18 hours.

Extended Hydraulic Oil Filter Change

Hydraulic oil filter change intervals are extended from 500 hours (Conventional ZAXIS 480MT / 480MTH) to 1000 hours to help reduce running costs.



Protecting the Operator From Tipping Accident

CRES II Cab (ZAXIS 500LC is standard equipped)

The CRES II cab is designed to help with "just in case" protection for the operator. Safety in case of tipping is improved. The cab top can withstand nine-fold loading.



(ZAXIS 520LCH is standard equipped)

The H/R cab utilizes the reinforced front window and FOPS* at the roof for protection against falling objects.

The front glass window, made of straight-laminated, is fixed to shut out dirt and debris. The cab provided with a full guard satisfies the OPG**(Level II) cab requirements stipulated by ISO.

*Falling Object Protective Structure **Operator Protective Guards



Pilot Control Shut-Off Lever

Additional Features

Cab Right Guard



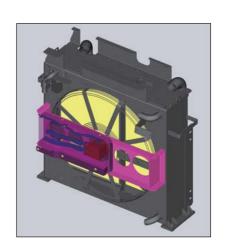
Evacuation Hammer



Other features include a retractable seatbelt, evacuation hammer and emergency movements.

A Quieter Machine

Engine noise is reduced by approximately 2 dB with the robust engine. The engine cooling fan is a large 1 120 mm diameter variable-speed electro-hydraulic fan. This fan automatically starts when temperature comes into the high temperature range, ensuring low noise operation. A proven large muffler is provided to reduce sound and exhaust emissions greatly.



A Recyclable Machine

Over 97 % of the ZAXIS-3 series can be recycled. All resin parts are marked to facilitate recycling. The machine is completely lead-free. The radiator and oil cooler are made from aluminium and all wires are lead-less. In addition, biodegradable hydraulic oil is available for jobsites where special environmental care is required.



engine shut-off switch. A shut-off lever for pilot control helps to prevent unintentional

Parts & Service

Over the years, we have gained experience in one of the most competitive service markets in the world - Japan.

Using our know-how in dealing directly with customers, we have created a worldwide support system that is highly capable.



Parts

HITACHI only offers genuine high quality parts. We guarantee that these parts have high performance and long life. We manage around 1 000 000 types of parts all around the world. They are designed and built to be the best match for your HITACHI equipment. HITACHI has a global parts distribution network that makes sure you get what you need as quickly as possible. We have more than 150 dealers worldwide who provide the closest support for your needs. In most cases, your dealer will have the replacement part that you require. If a dealer does not have a certain part, he can order it from four fully stocked parts depots located across the world. These distribution centers are all connected by a on-line system that gives them access to shared information on stocks, such as the number and type of available parts. The depots, which in turn are stocked by a parts center in Japan, minimize delivery time and enable you to get your parts as efficiently and quickly as possible.



Service

Our goal is to "keep customer equipment at a maximum performance level". To fulfil this goal, we have set more than 150 dealers all over the world. They have highly trained technicians, and provide a number of support programs.

HITACHI provides a unique extended warranty program called HITACHI Extended Life Program, or HELP. To minimize downtime during troubleshooting, we developed a PDA based diagnostic system called "Dr.ZX". To keep our customers' equipment in top running shape, good service is indispensable. We believe personnel training is the key to providing the best service.

If you would like more information regarding parts and/or service, please ask your nearest HITACHI dealer. Not all programs and/or services are available in every market or region.

ZX520LCH-3F

ENGINE	
Model	Isuzu AH-6WG1XYSA-01
Туре	4-cycle water-cooled, direct injection
Aspiration	Turbocharged
No. of cylinders	6
Rated power	
ISO 9249, net	H/P mode :
(Without Fan)	260 kW (349 HP) at 1 800 min-1(rpm)
EEC 80/1269, net	H/P mode :
(Without Fan)	260 kW (349 HP) at 1 800 min-1(rpm)
SAE J1349, net	H/P mode :
(Without Fan)	260 kW (349 HP) at 1 800 min-1(rpm)
Maximum torque	1 580 Nm (161 kgf m) at 1 500 min-1(rpm)
Piston displacement	15.681 L
Bore and stroke	147 mm x 154 mm
Batteries	2 x 12 V / 170 AH

HYDRAULIC SYSTEM

· Work mode selector

General purpose mode / Attachment mode

• Engine speed sensing system

Hydraulic Motors

Travel	2 axial piston	motors	with	parking	brake
Swina	2 avial niston	motors			

Relief Valve Settings

31.9 MPa (325 kgf/cm ²)
28.4 MPa (290 kgf/cm ²)
34.3 MPa (350 kgf/cm ²)
3.9 MPa (40 kgf/cm ²)
34.3 MPa (350 kgf/cm ²)

Hydraulic Cylinders

High-strength piston rods and tubes. Cylinder cushion mechanisms provided in boom and arm cylinders to absorb shock at stroke ends.

Dimensions

	Quantity	Bore	Rod diameter
Boom	2	170 mm	115 mm
Arm	1	190 mm	130 mm
Bucket	1	170 mm	120 mm

Hydraulic Filters

Hydraulic circuits use high-quality hydraulic filters. A suction filter is incorporated in the suction line, and full-flow filters in the return line and swing/travel motor drain lines.

CONTROLS

Pilot controls. Hitachi's original shockless valve.

Implement levers	2
Travel levers with	
pedals	2

UPPERSTRUCTURE

Revolving Frame

Welded sturdy box construction, using heavy-gauge steel plates for ruggedness. 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, shear-type ball bearing with inductionhardened internal gear. Internal gear and pinion gear are immersed in lubricant. Swing parking brake is spring-set/hydraulic-released disc type.

Swing speed 9.0 min⁻¹ (rpm)

Operator's Cab

Independent spacious cab, 1 005 mm wide by 1 795 mm high, conforming to ISO* Standards. (OPG top guard fitted Level II (ISO 10262) compliant cab) Reinforced glass windows on 4 sides for visibility. Reclining seat with armrests; adjustable with or without control levers. * International Standardization Organization

UNDERCARRIAGE

Tracks

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

Track shoes with double 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	4
Full track guard	1

Travel Device

Each track driven by axial piston motor through reduction gear for counterrotation of the tracks. Sprockets are replaceable. Parking brake is spring-set/hydraulic-released disc type.

Automatic transmission system: High-Low.

Travel speeds High: 0 to 4.0 km/h
Low: 0 to 2.9 km/h

Maximum traction force 415 kN (42 300 kgf)

WEIGHTS AND GROUND PRESSURE

ZX520LCH-3F:

Equipped with 7.0 m H-boom, 3.4 m H-arm, and 1.90 $\rm m^3$ rock bucket (SAE, PCSA heaped).

Shoe type	Shoe width	Operating weight	Ground pressure
Double grouser	600 mm	51 700 kg	91 kPa (0.93 kgf/cm²)

SERVICE REFILL CAPACITIES Fuel tank 725.0 L Engine coolant 55.0 L Engine oil 57.0 L Swing device (each side) 6.5 L Travel device (each side) 11.0 L Hydraulic system 560.0 L Hydraulic oil tank 330.0 L

BACKHOE ATTACHMENTS

Boom and arms are of all-welded, box-section design. A number of boom and arms are available. Bucket is of all-welded, high-strength steel structure. The ZX 520LCH-3F is a heavy duty type and euipped with a reinforced H-boom or BE-boom and H-arm or BE-arm.

Backhoe Buckets

ZX520LCH-3F

Capacity Width				Recommendation						
	VVI	atri				ZX5201	LCH-3F			
No. of teeth No.	Without	With	1 1	Weight) m oom		
		2.5 m BE-arm	2.9 m BE-arm	2.9 m BE-arm	3.4 m H-arm					
1.70 m ³	1 480 mm	1 500 mm	5	2 070 kg	•	•	•	•		
1.80 m ³	1 560 mm	1 580 mm	5	2 170 kg	•	•	•	•		
2.00 m ³	1 680 mm	1 700 mm	5	2 260 kg	•	•	•	_		
2.20 m ³	1 800 mm	1 820 mm	5	2 360 kg	•	•	_	_		
1.20 m ³	1 170 mm	_	3	2 330 kg	•	•	•	•		
			1	1 260 kg	•	•	•	•		
	1.70 m ³ 1.80 m ³ 2.00 m ³ 2.20 m ³	CECE heaped side cutters 1.70 m³ 1 480 mm 1.80 m³ 1 560 mm 2.00 m³ 1 680 mm 2.20 m³ 1 800 mm	CECE heaped Without side cutters With side cutters 1.70 m³ 1 480 mm 1 500 mm 1.80 m³ 1 560 mm 1 580 mm 2.00 m³ 1 680 mm 1 700 mm 2.20 m³ 1 800 mm 1 820 mm	CECE heaped Without side cutters With side cutters No. of teeth side cutters 1.70 m³ 1 480 mm 1 500 mm 5 1.80 m³ 1 560 mm 1 580 mm 5 2.00 m³ 1 680 mm 1 700 mm 5 2.20 m³ 1 800 mm 1 820 mm 5	CECE heaped Without side cutters With side cutters No. of teeth Weight 1.70 m³ 1 480 mm 1 500 mm 5 2 070 kg 1.80 m³ 1 560 mm 1 580 mm 5 2 170 kg 2.00 m³ 1 680 mm 1 700 mm 5 2 260 kg 2.20 m³ 1 800 mm 1 820 mm 5 2 360 kg 1.20 m³ 1 170 mm — 3 2 330 kg	CECE heaped Without side cutters With side cutters Weight 6.3 BE-b 1.70 m³ 1 480 mm 1 500 mm 5 2 070 kg • 1.80 m³ 1 560 mm 1 580 mm 5 2 170 kg • 2.00 m³ 1 680 mm 1 700 mm 5 2 260 kg • 2.20 m³ 1 800 mm 1 820 mm 5 2 360 kg • 1.20 m³ 1 170 mm — 3 2 330 kg •	Without Side cutters Without Side cutters Weight Weight Weight Side cutters Weight Side cutters Weight Side cutters Weight Side cutters Side	Width ZX520LCH-3F CECE heaped side cutters Without side cutters Weight E.3 m BE-boom T.0 m BE-boom 1.70 m BE-arm 2.9 m BE-arm 1.70 m³ 1 480 mm 1 500 mm 5 2 070 kg ■		

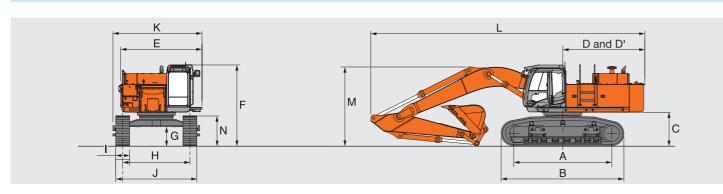
*1 Rock bucket

*2 Ripper bucket

Heavy-duty serviceNot applicable

ZX520LCH-3F

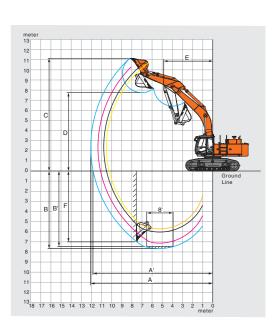
DIMENSIONS



	Unit:mm
	ZX520LCH-3F '2
A Distance between tumblers	4 250
B Undercarriage length	5 330
*1 C Counterweight clearance	1 435
D Rear-end swing radius	3 645
D' Rear-end length	3 560
E Overall width of upperstructure	3 530
F Overall height of cab	3 520
^{*1} G Min. ground clearance	810
H Track gauge: Extenced/Retracted	2 920 / 2 420
I Track shoe width	G 600
J Undercarriage width: Extended/Retracted	3 520 / 3 020
K Overall width	3 860
L Overall length	11 890
M Overall height of boom	3 500
N Track height	1 290

¹¹ Excluding track shoe lug. G: Double grouser shoe ¹² Equipped with 7.0 m H-boom and 3.4 m H-arm

WORKING RANGES



		ZX520	LCH-3F	
Arm length	6.3 m B	E-boom	7.0 m l	H-boom
	2.5 m BE-arm	2.9 m BE-arm	2.9 m BE-arm	3.4 m H-arm
A Max. digging reach	10 460	10 750	11 330	12 060
A' Max. digging reach (on ground)	10 190	10 490	11 080	11 820
B Max. digging depth	5 720	6 050	7 130	7 690
B' Max. digging depth (8' level)	5 540	5 890	6 920	7 550
C Max. cutting height	10 730	10 870	10 240	11 130
D Max. dumping height	7 390	7 520	7 170	7 730
E Min. swing radius	4 090	3 930	5 020	4 840
F Max. vertical wall	4 180	4 570	4 200	7 030
Bucket digging force* ISO	287 kN (29 300 kgf)	287 kN (29 300 kgf)	287 kN (29 300 kgf)	288 kN (29 400 kgf)
Arm crowd force* ISO	293 kN (29 900 kgf)	256 kN (26 100 kgf)	256 kN (26 100 kgf)	218 kN (22 200 kgf)
Bucket digging force* SAE : PCSA	258 kN (26 300 kgf)	258 kN (26 300 kgf)	258 kN (26 300 kgf)	250 kN (25 500 kgf)
Arm crowd force * SAE : PCSA	286 kN (29 200 kgf)	249 kN (25 400 kgf)	249 kN (25 400 kgf)	209 kN (21 300 kgf)

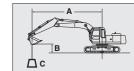
Excluding track shoe lug

LIFTING CAPACITIES

Notes: 1. Ratings are based on SAE J1097.







B: Load point height

	C: Lifting capacit
(Caturos source)	

ZX520LCH-3	F										a Rating	over-sid	de or 360) degree	es	Ratin	g over-f	ront	Unit:	1 000 kg
		Load radius																		
Conditions	Load point	3	m	4	m	5	m	6	m	7	m	8	m	9	m	10	m	At	max. rea	acn
	height		ů		ů		ů		ů		ů		ů	@	ů		ů		ů	meter
H-Boom 7.00 m	8 m											*7.9	*7.9					*3.7	*3.7	10.3
H-Arm 3.40 m Rock-bucket	6 m											*9.1	*9.1	7.9	*8.7			*3.7	*3.7	11.1
SAE,PCSA: 2.10 m ³ Shoe 600 mm	4 m					*16.5	*16.5	*13.5	*13.5	*11.6	*11.6	9.4	*10.3	7.6	*9.4	6.2	*8.5	*3.8	*3.8	11.6
3110e 000 111111	2 m					18.3	*18.9	13.9	*16.6	10.9	*13.7	8.8	*11.7	7.2	*10.3	6.0	9.2	*4.2	*4.2	11.6
	0 (Ground)					17.5	*17.7	13.2	*18.0	10.4	*14.9	8.4	*12.6	6.9	10.7	5.8	9.0	4.8	*4.8	11.2
	–2 m	*10.1	*10.1	*16.9	*16.9	17.5	*20.8	13.0	*17.5	10.1	*14.7	8.2	*12.5	6.8	10.6			5.5	*5.9	10.3
	-4 m	*21.7	*21.7	*20.3	*20.3	*17.7	*17.7	13.1	*15.2	10.2	*12.9	8.3	*10.8							
	-6 m					*11.7	*11.7	*9.9	*9.9											
H-Boom 7.00 m	7 m											*9.3	*9.3					*5.6	*5.6	10.0
BE-Arm 2.90 m Rock-bucket	6 m									*10.2	*10.2	*9.5	*9.5	7.7	*8.3			*5.7	*5.7	10.4
SAE,PCSA: 2.30 m ³ Shoe 600 mm	4 m					*17.8	*17.8	*14.2	*14.2	11.5	*12.1	9.1	*10.7	7.4	*9.7			5.2	*6.0	10.9
3110e 000 111111	2 m							13.4	*17.0	10.6	*13.9	8.6	*11.9	7.0	*10.5	5.8	9.1	5.0	*6.7	10.9
	0 (Ground)					17.3	*18.1	12.9	*17.8	10.1	*14.8	8.2	*12.6	6.8	10.6			5.3	*7.9	10.5
	–2 m			*20.2	*20.2	17.4	*19.5	12.8	*16.8	10.0	*14.3	8.1	*12.2	6.7	*10.3			6.2	*6.5	9.5
	-4 m			*17.7	*17.7	*16.0	*16.0	13.1	*14.0	10.2	*11.9	8.3	*9.8							
	–5 m			*14.4	*14.4	*13.2	*13.2	*11.5	*11.5	*9.5	*9.5									

20 21

Unit:mm

^{*} At power boost

ZX520LCH-3F

STANDARD EQUIPMENT

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

ENGINE

- H/P mode control
- P mode control
- E mode control
- 50 A alternator
- Dry-type air double filter with evacuator valve (with air filter restriction switch for monitor)
- Cartridge-type engine oil filter
- Cartridge-type fuel filter
- Fuel pre-filter
- Radiator, oil cooler and intercooler with dust protective net
- Radiator reserve tank
- Fan guard
- Isolation-mounted engine
- Auto-idle system

HYDRAULIC SYSTEM

- Work mode selector
- Engine speed sensing system
- E-P control system
- Power boost
- Auto power lift
- Boom mode selector system
- Shockless valve in pilot circuit
- Control valve with main relief valve
- Extra port for control valve
- Suction filter
- Full-flow filter
- Pilot filter
- Drain filter
- Quick warm-up system for pilot circuit

CAB

- H/R cab
- OPG top guard fitted Level II (ISO10262) compliant cab
- All-weather sound suppressed steel cab - Laminated straight and fixed glass
- front window
- Left side window can be opened - 6 fluid-filled elastic mounts
- Intermittent windshield wipers
- Front window washer
- Adjustable reclining suspension seat with adjustable armrests
- Footrest
- Electric double horn
- AM-FM radio with digital clock
- Auto-idle selector - Retractable Seat belt
- Drink holder - Cigarette lighter
- Ashtray
- Storage box
- Glove compartment
- Floor mat
- Short wrist control levers
- Pilot control shut-off lever
- Auto control air conditioner
- Pilot control shut-off lever
- Engine shut-off switch

MONITOR SYSTEM

- Display of meters: water temperature, hour, fuel rate, clock
- Other displays: work mode, autoidle, glow, rear view monitor (when - Idler track guard optional rear view camera is equipped), operating conditions,
- Alarms: overheat, engine warning, engine oil pressure, alternator, minimum fuel level, hydraulic filter restriction, air filter restriction, work mode, overload, etc
- Alarm buzzers: overheat, engine oil pressure, overload

LIGHTS

- 2 working lights
- 2 cab lights

UPPERSTRUCTURE

- 4.5 mm thickness Undercover
- 9 820 kg counterweight
- Fuel level float
- 170 Ah batteries
- Hydraulic oil level gauge
- Tool box
- Utility space
- Rear view mirror (right & left side)
- Swing parking brake - Ladder

UNDERCARRIAGE

- Travel parking brake
- Travel motor covers
- Hydraulic track adjuster
- Bolt-on sprocket
- Upper and lower rollers Reinforced track links with pin seals
- Full track guard
- 600 mm double grouser shoes

FRONT ATTACHMENTS

- Flanged pin
- Monolithically cast bucket link A - Centralized lubrication systen
- Dirt seal on all bucket pins
- 7.0 m H-boom and 3.4 m H-arm
- Damage prevention plate and square bars
- 1.90 m³ (SAE, PCSA heaped) rock bucket (with dual type side shrouds)

MISCELLANEOUS

- Standard tool kit
- Lockable machine covers
- Lockable fuel refilling cap Skid-resistant tapes, plates and
- handrails - Travel direction mark on track
- frame - Onboad information controller
- Theft deterrent system

OPTIONAL EQUIPMENT

- Hose rupture valves

- Extinguisher

- Cab front step

- Auto-grease lubricator

- Pre cleaner

- Electric fuel refilling pump with
- Rain guard for cab - Swing motion alarm device with - Attachment basic piping
- Accessories for breaker lamps
- Accessories for breaker & crusher - Travel motion alarm device - Biodegradable oil
 - Accessories for 2 speed selector

- Electric grease gun

- Right side walk

- Sun visor
- 12 V power source
 - Additional fuse box - Overload alarm

- Rear view camera
- Front glass lower guard

Optional equipment may vary by country, so please consult your Hitachi dealer for details.

- Front glass upper guard
- 6.3 m BE-boom
- 2.5 m BE-arm

- 2.9 m BE-arm

ZX500LC-3F

ENGINE	
Model	Isuzu AH-6WG1XYSA-01
Туре	4-cycle water-cooled, direct injection
Aspiration	Turbocharged
No. of cylinders	6
Rated power	
ISO 9249, net	H/P mode :
(Without Fan)	260 kW (349 HP) at 1 800 min-1(rpm)
EEC 80/1269, net	H/P mode :
(Without Fan)	260 kW (349 HP) at 1 800 min-1(rpm)
SAE J1349, net	H/P mode :
(Without Fan)	260 kW (349 HP) at 1 800 min-1(rpm)
Maximum torque	1 580 Nm (161 kgf m) at 1 500 min-1 (rpm)
Piston displacement	15.681 L
Bore and stroke	147 mm x 154 mm
Batteries	2 x 12 V / 170 AH

HYDRAULIC SYSTEM

· Work mode selector

General purpose mode / Attachment mode

• Engine speed sensing system

Hydraulic Motors

Travel	2 axial piston motors with	parking brake
Swina	2 axial piston motors	

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

High-strength piston rods and tubes. Cylinder cushion mechanisms provided in boom and arm cylinders to absorb shock at stroke ends.

Dimensions

	Quantity	Rod diameter	
Boom	2	170 mm	115 mm
Arm	1	190 mm	130 mm
Bucket	1	170 mm	120 mm

Hydraulic Filters

Hydraulic circuits use high-quality hydraulic filters. A suction filter is incorporated in the suction line, and full-flow filters in the return line and swing/travel motor drain lines.

CONTROLS

Pilot controls. Hitachi's original shockless valve.

Implement levers	2
Travel levers with	
pedals	2

UPPERSTRUCTURE

Revolving Frame

Welded sturdy box construction, using heavy-gauge steel plates for ruggedness. 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, shear-type ball bearing with inductionhardened internal gear. Internal gear and pinion gear are immersed in lubricant. Swing parking brake is spring-set/hydraulic-released disc type.

Swing speed 9.0 min⁻¹ (rpm)

Operator's Cab

Independent spacious cab, 1 005 mm wide by 1 675 mm high, conforming to ISO* Level I Standards. Reinforced glass windows on 4 sides for visibility. Openable front windows (upper and lower). Reclining seat with armrests; adjustable with or without control levers.

* International Standardization Organization

UNDERCARRIAGE

Tracks

Tractor-type undercarriage. Welded track frame using selected materials. Side frame bolted 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

Upper rollers	3
Lower rollers	8
Track shoes	4
Track guard	2

Travel Device

Each track driven by axial piston motor through reduction gear for counterrotation of the tracks. Sprockets are replaceable. Parking brake is spring-set/hydraulic-released disc type.

Automatic transmission system: High-Low.

Travel speeds High: 0 to 4.0 km/h
Low: 0 to 2.9 km/h

Maximum traction force 415 kN (42 300 kgf)

WEIGHTS AND GROUND PRESSURE

ZX500LC-3F:

Equipped with 7.0 m boom, 3.4 m arm, and 2.10 m^3 bucket (SAE, PCSA heaped).

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grouser	600 mm	49 500 kg	88 kPa (0.89 kgf/cm²)
	750 mm	50 300 kg	71 kPa (0.72 kgf/cm²)
	900 mm	51 100 kg	60 kPa (0.61 kgf/cm²)

Note: Depending on the jobsites conditions, 750 mm grouser shoe and 900 mm grouser shoe may not be recommended for rock, hard surface or forestry application.

BACKHOE ATTACHMENTS

Boom and arms are of all-welded, box-section design. A number of booms and arms are available. Bucket is of all-welded, high-strength steel structure.

SERVICE REFILL CAPACITIES Fuel tank 725.0 L Engine coolant 55.0 L Engine oil 57.0 L Swing device (each side) 6.5 L Travel device (each side) 11.0 L Hydraulic system 560.0 L Hydraulic oil tank 330.0 L

900 mm Triple grouser

Backhoe Buckets

ZX500LC-3F

Capacity		14/	dth			Recommendation									
		VVI	am	No. of			ZX500LC-3F								
	OFOE	\A/241 4	\A/:+L-	No. of teeth	Weight	6.3 m B	E-boom		7.0 m	boom		8.2 m boom			
SAE, PCSA heaped	CECE heaped	Without side cutters	With side cutters			2.5 m BE-arm	2.9 m BE-arm	2.9 m arm	3.4 m arm	3.9 m arm	4.9 m arm	4.9 m arm			
1.15 m ³	1.00 m ³	1 100 mm	1 210 mm	5	1 070 kg	Х	Х	Х	Х	Х	0	0			
1.40 m ³	1.20 m ³	1 280 mm	1 410 mm	5	1 170 kg	Х	Х	Х	Х	Х	0	_			
1.60 m ³	1.40 m ³	1 220 mm	1 360 mm	5	1 480 kg	_	_	0	0	0	Х	Х			
1.90 m ³	1.70 m ³	1 400 mm	1 540 mm	5	1 590 kg	_	_	0	0	0	Х	Х			
2.10 m ³	1.80 m ³	1 490 mm	1 630 mm	5	1 650 kg	_	_	0	0	0	Х	Х			
2.30 m ³	2.00 m ³	1 520 mm	1 660 mm	5	1 800 kg	0	0	0	0	_	Х	Х			
2.50 m ³	2.20 m ³	1 630 mm	1 770 mm	5	1 870 kg	0	0	_	_	_	Х	Х			
2.65 m ³	2.30 m ³	1 720 mm	1 860 mm	5	1 930 kg	0	0	_	_	_	Х	Х			
	600 mm Triple grouser														
		Applicable	750 mm Triple grouser												

Suitable for materials with desity of 1 600 kg/m³ or less

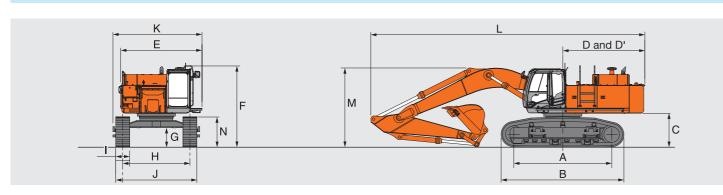
Suitable for materials with desity of 1 800 kg/m³ or less

Not applicab

X Can't installed

ZX500LC-3F

DIMENSIONS

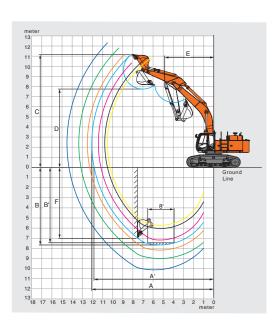


		Unit:mm
		ZX500LC-3F *2
A Distance between tumblers		4 250
B Undercarriage length		5 330
*1 C Counterweight clearance		1 435
D Rear-end swing radius		3 645
D' Rear-end length		3 560
E Overall width of upperstructure		3 530
F Overall height of cab		3 410
*1 G Min. ground clearance		810
H Track gauge: Extenced/Retracte	ed	2 920 / 2 420
I Track shoe width		G 600 / G 750 / G 900
J Undercarriage width		
	G 600	3 520 / 3 020
Extended/Retracted	G 750	3 670 / 3 170
	G 900	3 820 / 3 590
K Overall width		3 860
L Overall length		11 890
M Overall height of boom		3 500
N Track height		1 290

^{*1} Excluding track shoe lug. *2 Equipped with 7.0 m boom and 3.4 m arm

WORKING RANGES

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	ZX500LC-3F												
Arm length	6.3 m B	E-boom		7.0 m boom									
	2.5 m BE-arm	2.9 m BE-arm	2.9 m arm	3.4 m arm	3.9 m arm	4.9 m arm	4.9 m arn						
A Max. digging reach	10 570	10 860	11 400	12 060	12 490	13 340	14 510						
A' Max. digging reach (on ground)	10 300	10 600	11 150	11 820	12 270	13 130	14 320						
B Max. digging depth	5 820	6 160	7 200	7 690	8 200	9 030	10 150						
B' Max. digging depth (8' level)	5 650	6 000	7 000	7 550	8 070	8 920	10 040						
C Max. cutting height	10 820	10 960	10 330	11 130	11 240	11 810	12 310						
D Max. dumping height	7 290	7 410	7 100	7 730	7 840	8 750	9 290						
E Min. swing radius	4 070	3 930	5 020	4 840	4 810	4 850	5 870						
F Max. vertical wall	4 550	4 950	5 190	6 510	6 900	8 340	9 330						
Bucket digging force ISO*	277 kN (28 300 kgf)	277 kN (28 300 kgf)	277 kN (28 300 kgf)	278 kN (28 400 kgf)	278 kN (28 400 kgf)	231 kN (23 600 kgf)	231 kN (23 600 kg						
Arm crowd force ISO*	286 kN (29 200 kgf)	249 kN (25 400 kgf)	252 kN (25 700 kgf)	216 kN (22 000 kgf)	195 kN (19 900 kgf)	172 kN (17 600 kgf)	172 kN (17 600 kg						
Bucket digging force* SAE : PCSA	250 kN (25 500 kgf)	250 kN (25 500 kgf)	247 kN (25 200 kgf)	249 kN (25 400 kgf)	249 kN (25 400 kgf)	207 kN (21 100 kgf)	207 kN (21 100 kg						
Arm crowd force* SAE : PCSA	277 kN (28 300 kgf)	242 kN (24 700 kgf)	245 kN (25 000 kgf)	209 kN (21 300 kgf)	190 kN (19 400 kgf)	170 kN (17 300 kgf)	170 kN (17 300 kg						

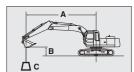
Unit:mm

LIFTING CAPACITIES

Notes: 1. Ratings are based on SAE J1097.

I. Ratings are based off SAE 31097.
 Lifting capacity of the ZAXIS Series does not exceed 75 % of tipping load with the machine on firm, level ground or 87 % full hydraulic capacity.
 The load point is a hook (not standard equipment) located on the back of the bucket.
 Indicates load limited by hydraulic capacity.





A: Load radius

B: Load point neigr
C: Lifting capacity

ZX500LC-3F												Ratin	g over-s	side or	360 deg	grees	ŭ	Rating	over-fro	nt	Unit:	1 000 kg
										Load	radius											
Conditions	Load point	2 m		3	m	4	m	5	m	6	6 m		m	8	m	9	m	10 m		At max. reach		
	height		ů		ů		ů		ů		ů	-	ů		ů		ů		ů		ů	meter
Boom 7.00 m	8 m													*8.1	*8.1					*4.2	*4.2	10.1
Arm 3.40 m Bucket SAE,PCSA: 2.10 m³ Shoe 600 mm	6 m													*9.7	*9.7	8.3	*9.3			*4.2	*4.2	11.0
	4 m							*16.9	*16.9	*13.9	*13.9	12.1	*12.1	9.7	*10.9	8.0	*10.0	6.6	*8.7	*4.3	*4.3	11.5
	2 m							18.7	*21.8	14.3	*17.1	11.3	*14.2	9.2	*12.3	7.6	*10.9	6.4	9.6	*4.7	*4.7	11.5
	0 (Ground)							17.9	*18.8	13.5	*18.6	10.7	*15.5	8.8	*13.2	7.3	11.0	6.2	9.4	5.2	*5.3	11.1
	–2 m			*10.8	*10.8	*17.4	*17.4	17.8	*21.7	13.3	*18.2	10.5	*15.4	8.6	13.1	7.2	10.9			5.9	*6.5	10.3
	-4 m			*24.1	*24.1	*21.5	*21.5	18.1	*18 .6	13.5	*16.0	10.6	*13.7	8.7	*11.6					7.7	*8.1	8.8
	-6 m							*12.8	*12.8	*10.9	*10.9	*8.5	*8.5									
Boom 7.00 m	8 m															*4.7	*4.7			*3.5	*3.5	10.6
Arm 3.90 m Bucket	6 m													*8.9	*8.9	8.3	*8.6	*5.6	*5.6	*3.5	*3.5	11.5
SAE,PCSA: 1.90 m ³	4 m									*12.8	*12.8	*11.3	*11.3	9.8	*10.2	8.0	*9.4	6.6	*8.8	*3.6	*3.6	11.9
Shoe 600 mm	2 m							18.9	*20.5	14.3	*16.2	11.3	*13.5	9.2	*11.7	7.6	*10.5	6.3	9.5	*3.9	*3.9	11.9
	0 (Ground)					*8.4	*8.4	17.8	*22.2	13.4	*18.1	10.6	*15.1	8.7	*12.9	7.2	10.9	6.1	9.2	*4.5	*4.5	11.6
	–2 m	*8.2	*8.2	*11.3	*11.3	*17.1	*17.1	17.5	*22.0	13.1	*18.2	10.3	*15.3	8.4	12.9	7.0	10.7	5.9	9.1	5.4	*5.4	10.8
	-4 m			*22.1	*22.1	*23.1	*23.1	17.7	*19.5	13.2	*16.5	10.3	*14.1	8.4	*12.0	7.1	*10.0			6.8	*7.3	9.4
	-6 m					*16.7	*16.7	*14.5	*14.5	*12.4	*12.4	*10.3	*10.3									

Excluding track shoe lug

* At power boost

STANDARD EQUIPMENT

- H/P mode control
- P mode control

ENGINE

- E mode control
- 50 A alternator
- Dry-type air double filter with evacuator valve (with air filter restriction switch for monitor)
- Cartridge-type engine oil filter
- Cartridge-type fuel filter
- Fuel pre-filter
- Radiator, oil cooler and intercooler with dust protective net
- Radiator reserve tank
- Fan guard
- Isolation-mounted engine
- Auto-idle system

HYDRAULIC SYSTEM

- Work mode selector
- Engine speed sensing system
- E-P control system
- Power boost
- Auto power lift
- Boom mode selector system
- Shockless valve in pilot circuit
- Control valve with main relief valve
- Extra port for control valve
- Suction filter
- Full-flow filter
- Pilot filter
- Drain filter
- Quick warm-up system for pilot circuit

CAB

- CRES II cab - OPG top guard fitted Level I (ISO10262) compliant cab
- All-weather sound suppressed
- Tinted (green color) glass windows
- 6 fluid-filled elastic mounts
- Openable windows; upper and lower front, and left side
- Intermittent windshield wipers
- Front window washer
- Adjustable reclining suspension seat with adjustable armrests
- Footrest
- Electric double horn
- AM-FM radio with digital clock
- Auto-idle selector
- Retractable Seat belt
- Drink holder - Cigarette lighter
- Ashtray
- Storage box
- Glove compartment
- Floor mat
- Short wrist control levers
- Pilot control shut-off lever
- Auto control air conditioner
- Pilot control shut-off lever
- Engine shut-off switch

MONITOR SYSTEM

- Display of meters: water
- temperature, hour, fuel rate, clock - Other displays: work mode, autoidle, glow, rear view monitor (when optional rear view camera is equipped), operating conditions,

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

UNDERCARRIAGE

- Travel parking brake

- 2 track guard (each side) and

600 mm triple grouser shoes

- Monolithically cast bucket link A

- Centralized lubrication systen

- Dust seal on all bucket pins

- 7.0 m boom and 3.4 m arm

MISCELLANEOUS

- Lockable machine covers

- Lockable fuel refilling cap

- Skid-resistant tapes, plates and

- Travel direction mark on track

- Onboad information controller

- Theft deterrent system

- Standard tool kit

handrails

frame

- 2.10 m³ (SAE, PCSA heaped)

- Reinforced track links with pin seals

hydraulic track adjuster

- Upper and lower rollers

FRONT ATTACHMENTS

- Travel motor covers

- Idler track guard

- Bolt-on sprocket

Flanged pin

bucket

- Alarms: overheat, engine warning, engine oil pressure, alternator, minimum fuel level, hydraulic filter restriction, air filter restriction, work mode, overload, etc
- Alarm buzzers: overheat, engine oil pressure, overload

LIGHTS

- 2 working lights

UPPERSTRUCTURE

- Undercover
- 9 820 kg counterweight
- Fuel level float
- 170 Ah batteries
- Hydraulic oil level gauge
- Tool box
- Utility space
- Rear view mirror (right & left side)
- Swing parking brake
- Ladder

OPTIONAL EQUIPMENT

- H/R cab : OPG top guard fitted Level II (ISO10262) compliant cab (with 2 cab lights)
- Hose rupture valves
- Electric fuel refilling pump with autostop
- Swing motion alarm device with

- Travel motion alarm device
- Biodegradable oil
- Extinguisher

- Pre cleaner
- Cab front step
 - 2 cab lights (for CERS II cab)
- Auto-grease lubricator
- Electric grease gun
- Right side walk
- Rain guard for cab
- Attachment basic piping
- Accessories for 2 speed selector - 12 V power source
- Additional fuse box

- Overload alarm
- Rear view camera
- Front glass lower guard
- Front glass upper guard
- Full track guard
- 750 mm Triple grouser shoe
- 900 mm Triple grouser shoe
- 6.3 m BE-boom
- 2.5 m BE-arm
- 2.9 m BE-arm
- 2.9 m arm

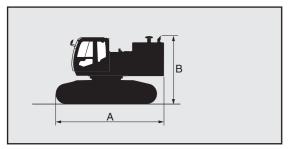
- 3.9 m arm

Optional equipment may vary by country, so please consult your Hitachi dealer for details.

- 4.9 m arm

TRANSPORTATION

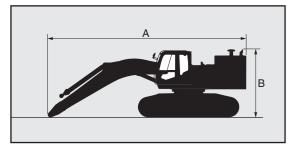
BASIC MACHINE (WITHOUT COUNTERWEIGHT)



	Shoe width	Overall width*	Weight	А	В	
ZX500LC-3F	600 mm	3 060 mm	30 800 kg			
	750 mm	3 170 mm	31 500 kg	5 400 mm	3 500 mm	
	900 mm	3 320 mm	32 300 kg			
ZX520LCH-3F	600 mm	3 060 mm	31 900 kg	5 620 mm	3 520 mm	

^{*} Undercarriage retracted

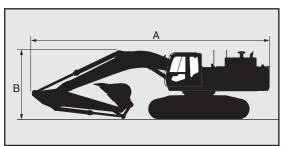
BASIC MACHINE FITTED WITH BOOM AND NO SIDEWALK



	Boom length	Shoe width	Overall width*	Weight	А	В	
		600 mm	3060 mm	36 000 kg			
	6.3 m BE	750 mm	3170 mm	36 800 kg	9 060 mm	3 500 mm	
ZX500LC-3F		900 mm	3320 mm	37 600 kg			
Z X 300 L C - 3F	7.0 m	600 mm	3060 mm	35 600 kg			
		750 mm	3170 mm	36 400 kg	9 850 mm		
		900 mm	3320 mm	37 100 kg			
ZX520LCH-3F	6.3 m BE	600 mm	3060 mm	37 200 kg	9 060 mm	2 520 mm	
ZAUZULUH-3F	7.0 m H	600 mm	3060 mm	37 000 kg	9 850 mm	3 520 mm	

^{*} Undercarriage retracted

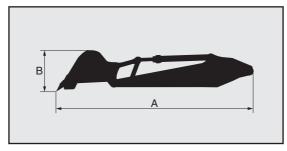
BASIC MACHINE WITH FRONT AND SIDEWALK



Boom length 6.3 m BE		7 m				7 m H		8.2 m		
Arm length		2.5 m BE	2.9 m BE	2.9 m	3.4 m	3.9 m	4.9 m	2.9 m BE	3.4 m H	4.9 m
ZX500LC-3F	Α	11 400 mm	11 220 mm	11 980 mm	11 890 mm	11 890 mm	11 800 mm	_	_	13 110 mm
ZX5UULC-3F	В	4 100 mm	3 980 mm	3 620 mm	3 500 mm	3 500 mm	4 680 mm	_	_	4 450 mm
7VE20LCII.ss	Α	11 400 mm	11 270 mm	_	_	_	_	11 980 mm	11 890 mm	_
ZX520LCH-3F	В	4 100 mm	3 980 mm	_	_	_	_	3 500 mm	3 500 mm	_

TRANSPORTATION

ARM WITH BUCKET



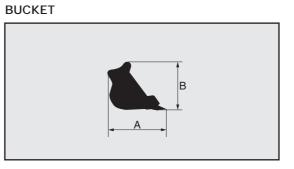
ZX500LC-3F

Arm	Bucket SAE, PCSA heaped	А	В	Overall width	Weight
2.5 m BE	2.50 m ³	5 650 mm	1 470 mm	1 770 mm	5 000 kg
2.9 m BE	2.30 m ³	6 030 mm	1 340 mm	1 660 mm	4 200 kg
	1.90 m ³	6 430 mm	1 270 mm	1 540 mm	3 920 kg
3.4 m	2.10 m ³	6 430 mm	1 270 mm	1 630 mm	3 980 kg
3.9 m	1.90 m ³	6 930 mm	1 270 mm	1 540 mm	4 230 kg
4.9 m	1.40 m ³	7 760 mm	1 170 mm	1 410 mm	3 720 kg

ZX520LCH-3F

Arm	Bucket SAE, PCSA heaped	А	В	Overall width	Weight
2.5 m BE	2.50 m ³	5 650 mm	1 470 mm	1 820 mm	5 490 kg
2.9 m BE	2.30 m ³	6 030 mm	1 340 mm	1 700 mm	4 660 kg
3.4 m H	1.90 m ³	6 370 mm	1 470 mm	1 500 mm	4 630 kg

ZX500LC-3F (Hoe bucket)



Buck	cet			Overall		
PCSA heaped	CECE heaped	А	В	width	Weight	
1.15 m ³	1.00 m ³	1 800 mm	1 350 mm	1 210 mm	1 070 kg	
1.40 m ³	1.20 m ³	1 800 mm	1 350 mm	1 410 mm	1 170 kg	
1.60 m ³	1.40 m ³	1 960 mm	1 570 mm	1 360 mm	1 480 kg	
1.90 m ³	1.70 m ³	1 960 mm	1 570 mm	1 540 mm	1 590 kg	
2.10 m ³	1.80 m ³	1 960 mm	1 570 mm	1 630 mm	1 650 kg	
2.30 m ³	2.00 m ³	1 950 mm	1 660 mm	1 660 mm	1 800 kg	
2.50 m ³	2.20 m ³	1 950 mm	1 660 mm	1 770 mm	1 870 kg	

1 950 mm

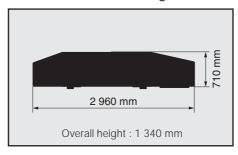
ZX520LCH-3F (Rock bucket)

2.30 m³

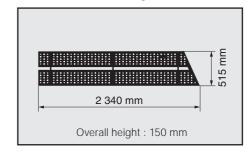
2.65 m³

Bucket		А	В	Overall	Majalet	
PCSA heaped	CECE heaped	A	Б	width	Weight	
1.90 m ³	1.70 m ³	2 030 mm	1 480 mm	1 500 mm	2 070 kg	
2.10 m ³	1.80 m ³	1 950 mm	1 650 mm	1 580 mm	2 170 kg	
2.30 m ³	2.00 m ³	1 950 mm	1 650 mm	1 700 mm	2 260 kg	
2.50 m ³	2.20 m ³	1 950 mm	1 650 mm	1 820 mm	2 360 kg	

COUNTERWEIGHT 9 820 kg



LEFT SIDEWALK 44 kg

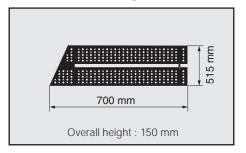


LEFT SIDEWALK 30 kg

1 660 mm

1 860 mm

1 930 kg





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 standard
(including safety standards) and legal requirements of that particular country.
Please do not export of operate this machine outside of the country of its
intended use until such compliance has been confirmed.

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.

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