

ZAXIS-5 series

HITACHI

Reliable Solutions

ZAXIS 490

Hitachi Construction Machinery Group

LANDCROS

Japanese Excellence—Reliable Solutions



HYDRAULIC EXCAVATOR

Model Code : ZX490LCH-5A

Engine Rated Power : 257 kW (345 HP)

Operating Weight : 47 600 - 47 800 kg

Backhoe Bucket : ISO Heaped : 1.3 - 3.0 m³

ZAXIS Empower your Vision.

ZAXIS provides reliable solutions: impressive fuel economy, swift front movements, and easy operation. You'll also find our technological prowess and expertise, such as the optimized hydraulic system and engine. ZAXIS features the key benefits of high quality, low fuel consumption, and high durability, all of which serve to ensure low running costs. ZAXIS, which is empowered by comprehensive evolution, will realize customers' visions and dreams, and pioneer your colorful future.



Note: Photos in this brochure may contain optional equipment. Photos may contain attachments and optional equipment that are not available in your area. Standard and optional equipment may vary by country. Please consult authorized dealer for details.



More Production with Excellent Performance

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- In Pursuit of Yielding More Production
- Reduction in Fuel Consumption
- More Fuel Reduction in the ECO mode
- Easy-to-Use Attachments



No Compromise on Operator Comfort

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- Comfort-designed operator seat
- Robust cab
- New, easy-to-use multifunction monitor



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High Quality and Durability

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- Tough Undercarriage on Rough Quarry Sites
- Robust Upperstructure



Simplified Maintenance

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- Fast Lubrication
- Easy-Access to the Upperstructure
- Large Capacity Fuel Tank
- Service intervals



More Production with Excellent Performance



Swift Front Movements with HIOS* IIIB Hydraulics

The HIOS IIIB hydraulic system is designed for efficient use of hydraulic oil pressure in the circuit, by eliminating loss of power and fuel. Swift movements of the front attachment can be achieved by a total control of the boom, arm and bucket regeneration system. This our technological prowess brings about high performance and fuel economy.

*Human & Intelligent Operating System

In Pursuit of Yielding More Production

New ZAXIS 490 delivers extra power in excavation and swinging. More specifically, a great swing torque. This boosts productivity in mining operation. The machine powerfully moves the bucket, full of crushed stones, around on mines, and swiftly loads them onto a dump truck. What's more, the power boost mechanism is added to ensure powerful mining.

Reduction in Fuel Consumption

New ZAXIS is a fuel-thrifty excavator that can reduce fuel consumption compared to the conventional model, thanks to the HIOS IIIB hydraulic system and engine control system, thereby reducing CO₂ emissions.

*10% decreased compared to the ZX470-5G at PWR mode
17% decreased compared to the ZX450-3 at P mode

More Fuel Reduction in the ECO mode

The ECO mode, a new economical mode, can further cut fuel consumption by 8% compared to the PWR mode, without sacrificing digging force by optimal matching of operations.

Easy-to-Use Attachments

The operator can change over valves, adjust extra circuit flow, and check settings from the multifunction monitor next to the operator seat. What's more, 11 types, including flow rate setting, can easily be selected by their identified names.



High Quality and Durability



Prestige R&D and Quality Control



Large-sized excavator assembly line



Main frame welding line



Computer-Aided Engineering



Main pump testing area



Simulation testing from operator seat

We have earned praise for technological prowess and product performance around the world.

R&D Division has a track record – including excellent design, stress analysis expertise using CAE system, and abundant production data base. What's more, a large-scale durability test field allows for a series of stringent testing of new machines. Production Division strives to automatize production processes, including robotic welding, machining, painting, assembling and transferring.

All-New Engine with Enhanced Durability and Reliability

To boost durability and reliability in harsh mining operations, the engine is newly devised, while redesigning its associated systems, such as fuel and coolant lines. This gives an edge in durability. The auto idle stop mechanism is combined to effectively cut fuel consumption and CO₂ emissions.

Rock-Solid, Durable Front Attachment

A very robust and durable boom and arm are adopted for the Front Attachment, allowing it to function optimally at tough job sites such as mines / quarries, where an endless stream of operations is required. The new ZAXIS adopts H-boom and H-arm, using thick plates for high durability. The arm also includes a damage prevention plate and square bars; improving its durability. The arm cylinder, boom cylinders and bucket cylinder for the retract side cushion shocks at the stroke ends to reduce noise and extend the service life.

Tough Undercarriage on Rough Quarry Sites

Tracks are rugged enough to move around on uneven quarry site, with power and stability. Idler brackets are of box-section structure, and strengthened with reinforcing plates to withstand high stresses and resist deformation. The two-step ladders on the side allow easy access to the cab and riding on the machine.

Robust Upperstructure

The upperstructure is reinforced with proven D-section skirt for protection against obstacles, reducing deformation. A large door catch is provided to reduce shocks and jolts from the cab and upperstructure.

No Compromise on Operator Comfort



Comfortable Operating Environment

You'll feel comfortable and confident, with plenty of leg space and excellent visibility when operating in the cab. The new compact console gives more leg space. The new door pillar is shifted rearward by 70 mm to widen an entry space for easy access. A new LED room light, interlocked with the door, turns on when the door opens. The front window is easily removed and stored overhead using slide rails. The overhead window is openable for ventilation. Ample air conditioner vents are located strategically for uniform air circulation inside the cab. The control panel and control levers are arranged within easy reach of the operator. AM/FM radio and AUX port (optional) for a mobile music player are available for a long work day with less fatigue. All these designs focus on operator comfort.

Comfort-Designed Operator Seat

The luxury cloth seat is fitted with a headrest and arm rests for operator comfort. The seat can be adjusted in multiple ways, sliding and reclining, to suit operator's size and preferences. The seat can slide rearward by 40 mm more for added leg space. An air suspension seat with a heat pad is optional.

Robust Cab

The robust cab, meeting the OPG (Top Guard Level 1), protects the operator from falling objects. The Roll-over Protective structure (ROPS) is designed to unlikely event of machine tipping or rolling over (Optional). The pilot control shut-off lever is provided with a neutral engine start system that permits engine starting only when the pilot control shut-off lever is in Lock position.



New, Easy-to-Use Multifunction Monitor

The new multi-language, multifunction monitoring system comprises a 7-inch high-resolution color monitor and a multifunction controller. The monitor allows the operator to check varying operating variables: hydraulic oil temperature, fuel level, work mode, full-auto air conditioner, AM/FM radio, rear view monitor camera, maintenance support, and attachment flow adjustment. Menu items can be selected and adjusted by a multifunction controller on the control panel. A new rear view monitor camera always displays the view behind the machine.



Simplified Maintenance



Grouped Remote Inspection Points

Inspection points are concentrated inside left and right covers that are readily accessible from ground level for convenient servicing and inspection, including water draining from the fuel tank, replenishment of filters. A lid behind the cab door is available for easy replacement of the air conditioner filters for fresh air.

Fast Lubrication

The arm and boom have their own centralized greasing points for fast lubrication. An electric grease gun with hose-reel or an optional auto-grease lubricator is also available for faster greasing / lubrication.

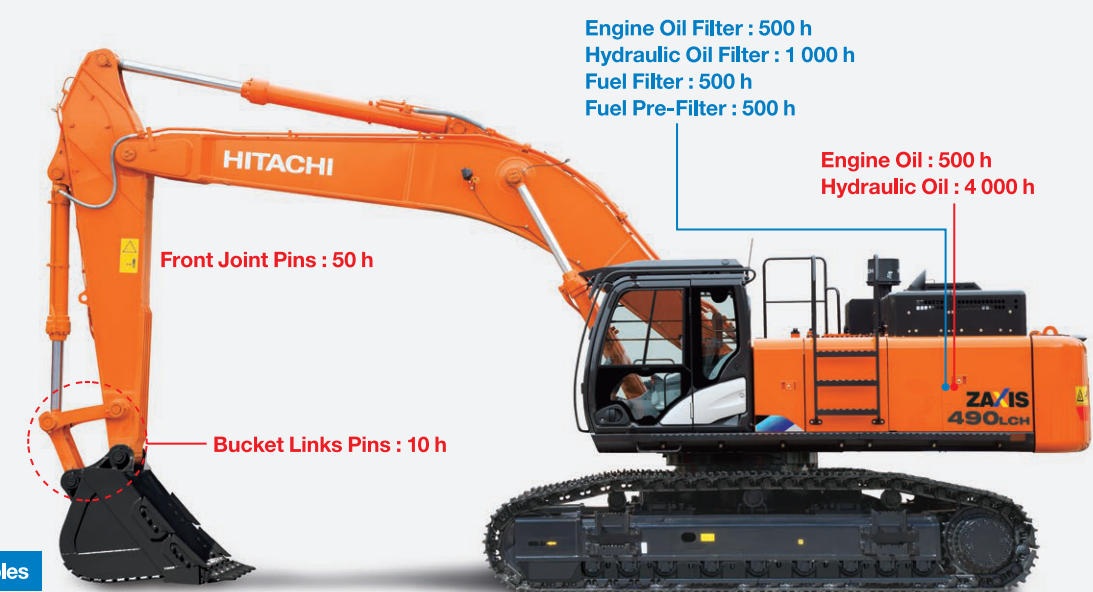
Easy-Access to the Upperstructure

A large sidewalk is provided on the left side of the cab, making it easy to access the engine from the ladder while handrails are provided and sufficient slip-resistant plates for safety.

Large Capacity Fuel Tank

Equipped with a large capacity fuel tank for longer operations.

Service intervals



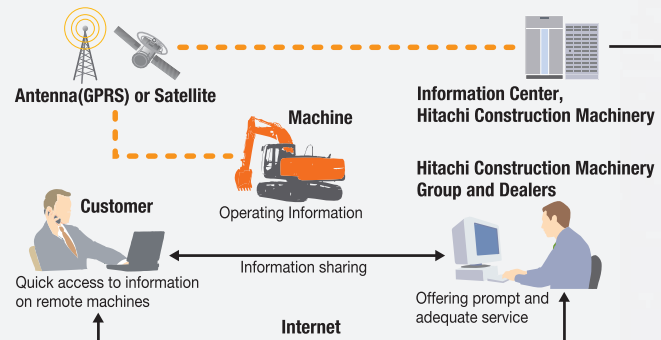
Support Chain

Support Chain is a full customer support system offered from Hitachi Construction Machinery.

Remote Fleet Management with Global e-Service

Easy Access to On-Site Machines through the Internet

This on-line fleet management system allows you to access each on-site machine from a PC in your office. You can get its operating information and location to increase productivity of the fleet and reduce downtime. Operating data and log are sent to a Hitachi Construction Machinery server for processing, and then to customer and dealers around the world. This system is available 24 hours a day, all the year around.



Note: In Some Regions, Global e-Service Is Not Available by Local Regulations.

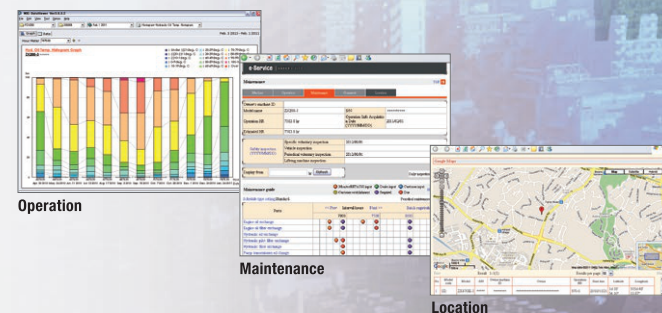
Main Features of Global e-Service

Functions

Global e-Service provides easy access to a machine on site, conveying operating information and log, including daily operating hours, fuel level, temperatures, pressures, and likes.

Maintenance

Maintenance data and log are displayed on a easy-to-read monitor screen, suggesting recommended maintenance for efficient fleet management.



Parts and Service

Hitachi Construction Machinery's full customer support is available every area on the globe for full customer satisfaction through authorized dealers.

Parts

Hitachi Construction Machinery's Global Online Network, a parts supply system, is linked with Japan Parts Center, overseas depots and over 150 dealers abroad to deliver on-line parts information, including in-stock parts, order receptions, shipments and delivery period of over one million parts and components.

Genuine Parts

Genuine parts, meeting stringent quality standards, are guaranteed according to Hitachi Construction Machinery's warranty standards. The use of genuine parts, including engine, fuel, hydraulic oil and filters, may slash running costs, and extend machine life.

Ground Engaging Tools (GETs)

Hitachi Construction Machinery provides an array of

Ground Engaging Tools developed and built for a variety of applications. Using high-quality, well-maintained GETs will help you get customers' trust.

Note: Some dealers do not handle GETs.

Remanufactured Components

Hitachi Construction Machinery's components are remanufactured according to the stringent remanufacturing standards at factories around the world. They have high quality equivalent to new ones, and backed up by Hitachi Construction Machinery's warranty system.

Note: Some dealers do not handle Remanufactured Components.

Service

Extended Warranty — HELP

Hitachi Construction Machinery's Standard Warranty System is available on all new ZAXIS excavators and ZW wheel

loaders. In addition, We offer Extended Life Programs (HELPS) to suit customer expectations – protecting machines under tough operating conditions, avoiding unexpected downtime, and reducing repair costs.

Note: Warranty conditions vary by equipment.

Diagnostic Tools — Maintenance Pro

Electronic control system needs quick on-site solutions, apart from mechanical repairs. The Maintenance Pro can diagnose machine failures in a short time by plugging a PC into a failed machine.

Technical Training

On-site servicing matters despite locations to keep the machine at peak performance and reduce downtime. Technical Training Center (TTC), located in Japan, educates and trains service technicians and service support personnel coming from authorized dealers and factories on the globe according to the international training programs.

SPECIFICATIONS

* some specs may not be available for all regions please contact your local Dealer for details

ENGINE	
Model	ISUZU 6UZ1XDHAG-02
Type	4-cycle water-cooled,common rail direct injection
Aspiration	Turbocharged, intercooled
No. of cylinders	6
Rated power	
ISO 9249, net	H/P mode:
(Without Fan)	257 kW (345 HP) at 2 000 min ⁻¹
SAE J1349, net	H/P mode:
(Without Fan)	257 kW (345 HP) at 2 000 min ⁻¹
Maximum torque	1 363 Nm (139 kgf m) at 1 500 min ⁻¹
Piston displacement ..	9.839 L
Bore and stroke	120 mm x 145 mm
Batteries	2 x 12 V

HYDRAULIC SYSTEM

Hydraulic Pumps

Main pumps	2 variable displacement axial piston pumps
Maximum oil flow ..	2 x 400 L/min
Pilot pump	1 gear pump
Maximum oil flow ..	30 L/min

Hydraulic Motors

Travel	2 axial piston motors with parking brake
Swing	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	35.3 MPa (360 kgf/cm ²)
Pilot circuit	3.9 MPa (40 kgf/cm ²)
Power boost	35.3 MPa (360 kgf/cm ²)

Hydraulic Cylinders

	Quantity
Boom	2
Arm	1
Bucket	1

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	9.5 min ⁻¹
Swing torque	148 kNm

Operator's Cab

Independent spacious cab, 1 025 mm wide by 1 817 mm high, The OPG top guard fitted Level II conforms to the related requirements of the International Organization for Standardization (ISO) 10262.

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	2
Lower rollers	9
Track shoes	53
Track guards	Full track guard

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 5.5 km/h
	Low : 0 to 3.9 km/h

Maximum traction force ..	329 kN (33 600 kgf)
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Gradeability	70% (35 degree) continuous
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SERVICE REFILL CAPACITIES

Fuel tank	725.0 L
Engine coolant	58.0 L
Engine oil	41.0 L
Swing device (each side)	6.5 L
Travel device (each side)	11.0 L
Hydraulic system	510.0 L
Hydraulic oil tank	310.0 L

WEIGHTS AND GROUND PRESSURE

Operating Weight and Ground Pressure

				ZX490LCH-5A	
Shoe type	Shoe width	Boom type	Arm type	kg	kPa (kgf/cm ²)
Triple or double grouser	600 mm	7.0 m H	3.4 m H	47 600	81 (0.82)
		Bucket capacity		2.1 m³ Rock bucket	
		6.3 m BE	2.9 m BE	47 800	81 (0.83)
		Bucket capacity		3.0 m³ Rock bucket	

BUCKET LIST

Capacity	Width		No. of teeth	Weight	Recommendation			
					ZX490LCH-5A			
ISO heaped	Without side cutters	With side cutters			6.3 m BE-boom		7.0 m H-boom	
					2.5 m BE-arm	2.9 m BE-arm	2.9 m BE-arm	3.4 m H-arm
*1 1.90 m³	1 480 mm	1 500 mm	5	2 070 kg	●	●	●	●
*1 2.10 m³	1 560 mm	1 580 mm	5	2 170 kg	●	●	●	●
*1 2.30 m³	1 680 mm	1 700 mm	5	2 260 kg	●	●	—	—
*1 2.50 m³	1 800 mm	1 820 mm	5	2 360 kg	●	●	—	—
*1 3.00 m³	1 760 mm	1 830 mm	5	2 420 kg	○	○	—	—
*2 1.30 m³	1 170 mm	—	3	2 330 kg	●	●	●	●
One-point ripper			1	1 260 kg	●	●	●	●
Applicable shoe type					600 mm Triple grouser or double grouser			

*1 Rock bucket

*2 Ripper bucket

● Heavy-duty service

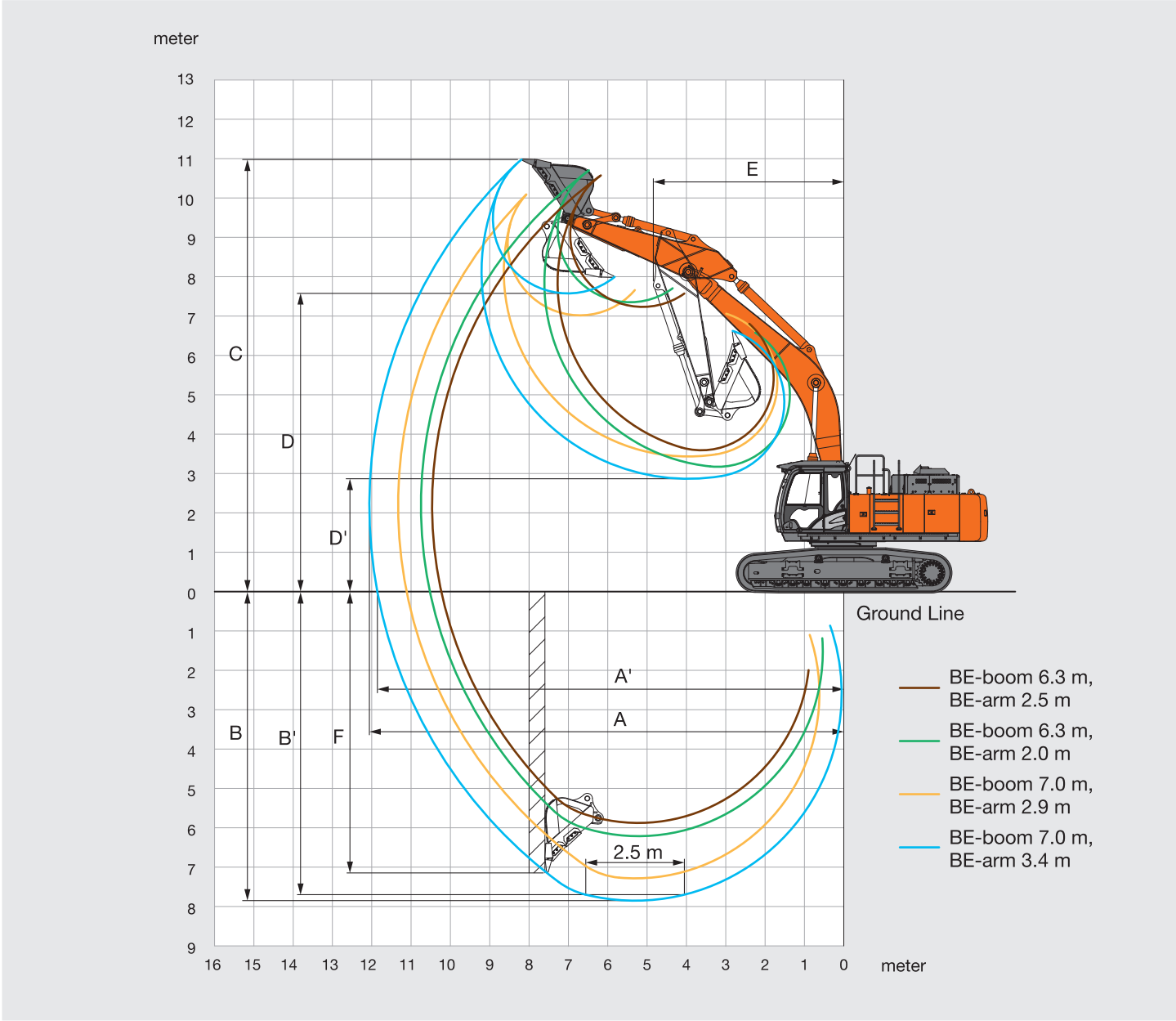
○ Suitable for material with density of 1 600 kg / m³ or less

— Not applicable

SPECIFICATIONS

WORKING RANGES

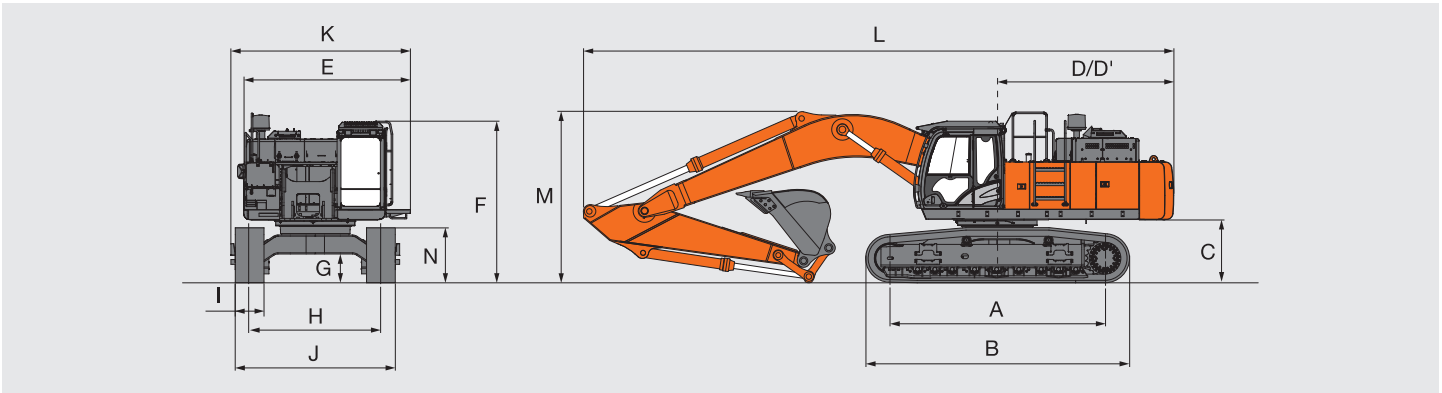
ZX490LCH-5A



Arm length	ZX490LCH-5A			
	BE-boom 6.3 m		H-boom 7.0 m	
	BE-arm 2.5 m	BE-arm 2.9 m	BE-arm 2.9 m	H-arm 3.4 m
A Max. digging reach	10 460	10 750	11 330	12 060
A' Max. digging reach (on ground)	10 230	10 520	11 110	11 860
B Max. digging depth	5 880	6 210	7 280	7 850
B' Max. digging depth (for 2.5 m level)	5 690	6 040	7 070	7 700
C Max. cutting height	10 560	10 700	10 090	10 980
D Max. dumping height	7 230	7 350	7 020	7 580
D' Min. dumping height	3 590	3 170	3 430	2 870
E Min. swing radius	4 090	3 930	5 020	4 840
F Max. vertical wall	4 350	4 740	4 360	7 170

Excluding track shoe lug

DIMENSIONS



Unit: mm

	ZX490LCH-5A
A Distance between tumblers	4 470
B Undercarriage length	5 470
* C Counterweight clearance	1 270
D Rear-end swing radius	3 670
D' Rear-end length	3 660
E Overall width upperstructure	3 480
F Overall height of cab	3 320
* G Min. ground clearance	535
H Track gauge	2 740
I Track shoe width	600
J Undercarriage width with 600 mm shoe	3 340
K Overall width	3 820
L Overall length	12 030
M Overall height of boom	3 450
N Track height	1 150

*1 Excluding track shoe lug

BUCKET AND ARM DIGGING FORCES

	ZX490LCH-5A			
	BE-boom 6.3 m		H-boom 7.0 m	
	BE-arm 2.5 m	BE-arm 2.9 m	BE-arm 2.9 m	H-arm 3.4 m
Bucket digging force* ISO	295 kN (30 150 kgf)	295 kN (30 150 kgf)	295 kN (30 150 kgf)	296 kN (30 260 kgf)
Bucket digging force* SAE : PCSA	266 kN (27 070 kgf)	266 kN (27 070 kgf)	266 kN (27 070 kgf)	257 kN (26 240 kgf)
Arm crowd force* ISO	302 kN (30 770 kgf)	263 kN (26 860 kgf)	263 kN (26 860 kgf)	224 kN (22 850 kgf)
Arm crowd force* SAE : PCSA	294 kN (30 050 kgf)	256 kN (26 140 kgf)	256 kN (26 140 kgf)	215 kN (21 920 kgf)

*Calculated value at power boost

LIFTING CAPACITIES (Without bucket)

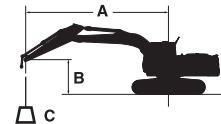
Notes: 1. Ratings are based on ISO 10567.

2. Lifting capacity does not exceed 75% of tipping load with the machine on firm, level ground or 87% full hydraulic capacity.

3. The load point is the center-line of the bucket pivot mounting pin on the arm.

4. *Indicates load limited by hydraulic capacity.

5. 0 m = Ground.



A: Load radius

B: Load point height

C: Lifting capacity

For lifting capacities, subtract bucket and quick hitch weight from lifting capacities without bucket.

ZX490LCH-5A

 Rating over-front

 Rating over-side or 360 degrees

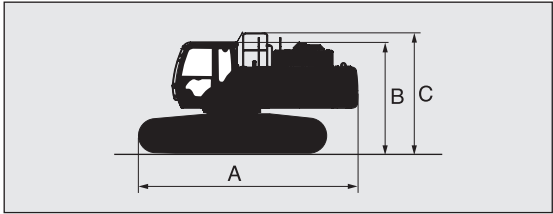
Unit : kg

Conditions	Load point height m	Load radius m										At max. reach		
		3.0		4.5		6.0		7.5		9.0				
														
Boom 7.0 m H Arm 3.4 m H Counterweight 9 080 kg Shoe 600 mm	7.5							*11 560	10 690			*8 640	8 360	8.64
	6.0							*12 150	10 440	*11 360	7 730	*8 490	7 140	9.41
	4.5			*20 460	*20 460	*15 630	14 040	*13 180	10 030	*11 770	7 550	*8 600	6 450	9.89
	3.0			*25 010	19 760	*17 830	13 170	*14 360	9 570	12 340	7 310	*8 940	6 070	10.12
	1.5			*17 050	*17 050	*19 500	12 470	*15 350	9 170	12 080	7 080	*9 550	5 940	10.13
	0 (Ground)			*20 090	18 250	*20 200	12 050	15 580	8 880	11 890	6 910	10 350	6 050	9.91
	-1.5	*14 480	*14 480	*26 070	18 230	*19 900	11 900	15 420	8 740	11 820	6 850	11 050	6 430	9.45
	-3.0	*23 770	*23 770	*23 730	18 420	*18 540	11 950	*14 650	8 770			*11 830	7 240	8.71
-4.5	*24 960	*24 960	*19 920	18 810	*15 730	12 200	*11 770	9 030			*11 480	8 900	7.59	
Boom 7.0 m H Arm 2.9 m BE Counterweight 9 080 kg Shoe 600 mm	6.0					*14 460	*14 460	*12 780	10 280			*12 070	8 080	8.68
	4.5			*22 080	20 990	*16 440	13 750	*13 720	9 880	*12 220	7 450	12 050	7 180	9.20
	3.0					*18 470	12 900	*14 780	9 440	12 250	7 230	11 350	6 700	9.46
	1.5					*19 830	12 260	*15 600	9 060	12 030	7 030	11 160	6 540	9.47
	0 (Ground)			*21 460	18 140	*20 180	11 940	15 510	8 820	11 880	6 900	11 460	6 670	9.23
	-1.5	*17 230	*17 230	*24 940	18 220	*19 510	11 860	15 410	8 740			12 380	7 160	8.73
	-3.0	*26 650	*26 650	*22 250	18 490	*17 750	11 980	*13 970	8 840			*12 920	8 250	7.92
	-4.5			*17 910	*17 910	*14 270	12 340					*12 470	10 690	6.67
Boom 6.3 m BE Arm 2.9 m BE Counterweight 9 080 kg Shoe 600 mm	7.5					*13 980	*13 980					*8 970	*8 970	7.13
	6.0					*14 790	*14 790	*13 560	10 360			*8 690	*8 690	8.05
	4.5			*20 920	*20 920	*16 490	14 190	*14 230	10 080			*8 780	8 070	8.61
	3.0			*25 200	20 320	*18 480	13 410	*15 170	9 700			*9 190	7 510	8.88
	1.5			*27 650	19 160	*20 010	12 760	*15 950	9 350			*9 970	7 340	8.89
	0 (Ground)			*27 690	18 730	*20 550	12 380	15 850	9 120			*11 290	7 540	8.64
	-1.5	*26 240	*26 240	*26 050	18 710	*19 860	12 260	*15 470	9 050			*13 630	8 200	8.10
	-3.0	*29 020	*29 020	*22 730	18 980	*17 540	12 400					*13 650	9 710	7.21
Boom 6.3 m BE Arm 2.5 m BE Counterweight 9 080 kg Shoe 600 mm	7.5					*14 650	*14 650					*13 740	12 180	6.77
	6.0					*15 320	14 620	*14 020	10 170			*13 270	9 650	7.73
	4.5			*21 800	21 590	*16 940	13 930	*14 540	9 910			*13 390	8 400	8.31
	3.0					*18 780	13 150	*15 350	9 540			13 210	7 780	8.59
	1.5					*20 100	12 540	15 970	9 210			12 990	7 600	8.60
	0 (Ground)			*27 160	18 510	*20 380	12 210	15 740	9 010			13 480	7 830	8.34
	-1.5			*25 130	18 590	*19 370	12 150	*14 960	9 000			*14 110	8 600	7.78
	-3.0			*21 380	18 920	*16 560	12 360					*13 670	10 380	6.85

MEMO

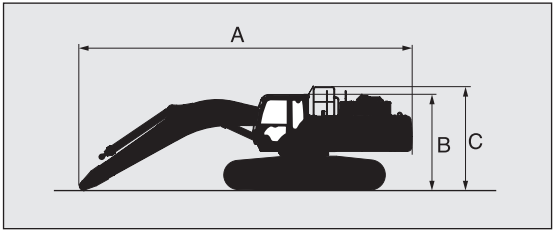
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BASIC MACHINE (WITHOUT COUNTERWEIGHT)



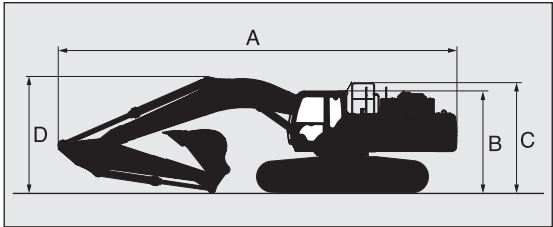
	Shoe width	Overall width	Weight	A	B	C
ZX490LCH-5A	600 mm	3 340 mm	28 800 kg	5 680 mm	3 360 mm	3 580 mm

BASIC MACHINE FITTED WITH BOOM AND NO SIDEWALK



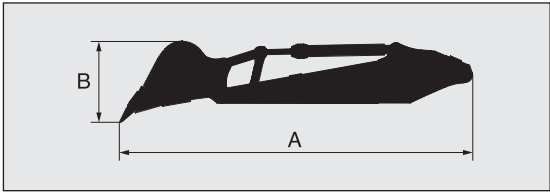
	Boom length	Shoe width	Overall width	Weight	A	B	C
ZX490LCH-5A	6.3 m BE	600 mm	3 340 mm	34 200 kg	9 160 mm	3 360 mm	3 580 mm
	7.0 H m	600 mm	3 340 mm	34 100 kg	9 940 mm		

BASIC MACHINE WITH FRONT AND SIDEWALK



	Boom length	6.3 m BE		7.0 m H	
	Arm length	2.5 m BE	2.9 m BE	2.9 m BE	3.4 m H
ZX490LCH-5A	A	11 490 mm	11 360 mm	12 100 mm	12 030 mm
	B	3 360 mm			
	C	3 580 mm			
	D	4 130 mm	3 880 mm	3 740 mm	3 450 mm

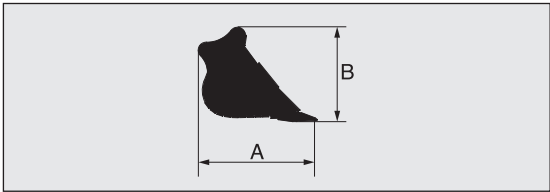
ARM AND BUCKET



ZX490LCH-5A

Arm	Bucket Capacity ISO heaped	A	B	Overall width	Weight
BE 2.5 m	2.50 m³	5 650 mm	1 470 mm	1 820 mm	5 010 kg
BE 2.9 m	2.30 m³	5 950 mm	1 460 mm	1 700 mm	4 800 kg
H 3.4 m	1.90 m³	6 440 mm	1 300 mm	1 500 mm	4 630 kg

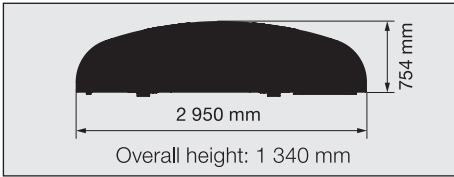
BUCKET



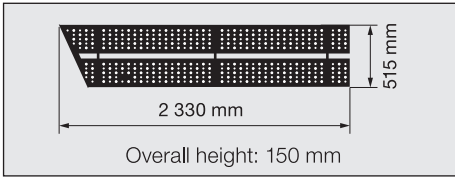
ZX490LCH-5A (Rock bucket)

Bucket capacity ISO heaped	A	B	Overall width	Weight
1.90 m³	2 030 mm	1 480 mm	1 500 mm	2 070 kg
2.10 m³	1 950 mm	1 650 mm	1 580 mm	2 170 kg
2.30 m³	1 950 mm	1 650 mm	1 700 mm	2 260 kg
2.50 m³	1 950 mm	1 650 mm	1 820 mm	2 360 kg
3.00 m³	2 175 mm	1 710 mm	1 830 mm	2 420 kg

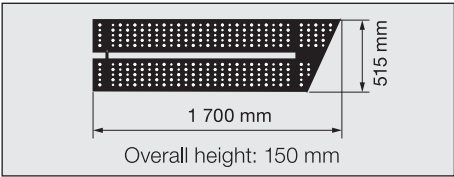
COUNTERWEIGHT 9 080 kg



LEFT FRONT SIDEWALK 48 kg



LEFT REAR SIDEWALK 34 kg



	ZX490LCH-5A
ENGINE	
Alternator 50 A	●
Auto idle system	●
Cartridge-type engine oil filter	●
Cartridge-type fuel filter	●
Dry-type air double filter with evacuator valve(with air filtr restriction switch for monitor)	●
Expansion tank	●
Fan guard	●
Fuel pre-filter	●
Isolation-mounted engine	●
Power mood control [H/ P (High Power) PWR(Power) ECO(Economy)]	●
Pre-cleaner	●
Radiator, oil cooler with dust protective net	●
Water separator	●

HYDRAULIC SYSTEM	
Accessories for breaker	○
Accessories for breaker & crusher	○
Accessories for 2 speed selector	○
Auto power lift	●
Boom mode selector system	●
Control valve with main relief valve	●
Drain filter	●
Engine speed sensing system	●
E-P control system	●
Extra port for control valve	●
Full-flow filter	●
Hose rupture valve	○
Pilot filter	●
Power boost	●
Quick warm-up system for pilot circuit	●
Shockless valve in pilot circuit	●
Suction filter	●
Work mode selector	●

CAB	
Additional fuse box	●
Adjustable armrests	●
All-weather sound suppressed steel cab	●
AM-FM radio	●
Ashtray	●
Auto control air conditioner	●
Auto-idle selector	●
AUX. terminal and storage	○

● : Standard equipment ○ : Optional equipment

	ZX490LCH-5A
Cab : H/R cab	●
OPG top guard fitted Level II (ISO10262)	●
OPG front guard fitted Level II (ISO10262)	○
Laminated straight glass front window	●
Left side window can be opened	●
Cigarette lighter 24 V	●
Drink holder	●
Engine shut-off switch	●
Electric double horn	●
Evacuation hammer	●
Fire extinguisher bracket	○
Floor mat	●
Footrest	●
Front window washer	●
Glove compartment	●
Hot & cool box	●
Intermittent windshield wiper	●
Key cylinder light	●
LED room light with door countesy	●
Pilot control shut-off lever	●
Power outlet 12 V	○
Rear tray	●
Retractable seat belt	●
Rubber radio antenna	●
Seat : Adjustable reclining mechanical suspension	○
Seat : Adjustable reclining mechanical suspension with heater	○
Seat : Adjustable reclining air suspension with heater	●
Short wrist control levers	●
Storage box	●
Sun visor (front)	○
Sun visor (side)	○
Transparent roof with slide curtain	●
2 speaker	●
6 fluid-filled elastic mounts	●

MONITOR SYSTEM	
Alarm buzzers: overheat, engine oil pressurre	●
Alarms: overheat, engine warning, engine oil pressure, alternator, minimum fuel level, air filter restriction, work mode, etc	●
Display of meters: water temperature, hour, fuel rate, clock	●
Other displays: work mode, auto-idle, glow, operating conditions etc	●

	ZX490LCH-5A
LIGHTS	
Additional working lights (boom right side)	○
2 working lights	●
2 cab lights	●
4 cab lights	○

UPPER STRUCTURE	
Auto-grease lubricator	○
Battery disconnect switch	●
Batteries 2 x 12 V	●
Counterweight 9 080 kg	●
Electric fuel refilling pump with auto stop	○
Electrical grease pump with hose-reel	●
Fuel level float	●
Hydraulic oil level gauge	●
Ladder	●
Rear view camera	●
Rear view mirror(right & left side)	●
Side walk (cab side)	●
Swing parking brake	●
Tool box	●
Utility space	●
4.5 mm thickness undercover	●

UNDERCARRIAGE	
Bolt-on sprocket	●
Fixed undercarriage	●
Full track guard	●
Hydraulic track adjuster	●
Reinforced track links with pin seals	●
Shoe : 600 mm double grouser	○
Shoe : 600 mm triple grouser	●
Travel motor covers	●
Travel parking brake	●
Track undercover	○
Upper and lower rollers	●

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

● : Standard equipment ○ : Optional equipment

	ZX490LCH-5A
FRONT ATTACHMENTS	
Arm 2.5 m BE	○
Arm 2.9 m BE	○
Boom 7.0 m H and arm 3.4 m H	●
Boom 6.3 m BE	○
Bucket 1.9 m³ rock (ISO heaped) with dual type side shrouds	●
Bucket 3.0 m³ rock (ISO heaped)	○
Centralized lubrication system	●
Damage prevention plate and square bars	●
Dirt seal on all bucket pins	●
Flanged pin	●
Monolithically cast bucket link A	●
Reinforced weld link A	○
Reinforced link B	○

MISCELLANEOUS	
Anti-slip steps and handrails	●
Lockable fuel refilling cap	●
Lockable machine covers	●
Onboard information controller	●
Standard tool kit	●
Theft deterrent system	●
Travel direction mark on track frame	●

OTHERS	
Global e-service	●



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Hitachi Construction Machinery is committed to providing leading-
edge solutions and services to contribute as a reliable partner to
the business of customers worldwide.**

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.