HITACHI

Reliable solutions

ZAXIS490LCH



HYDRAULIC EXCAVATOR

Model code : ZX490LCH-7 Engine rated power : 296 kW (ISO 14396) / 295 kW (ISO 9249) Operating weight : 50 400 – 52 200 kg Bucket ISO heaped : 2.1 – 2.5 m³



YOU'RE IN CONTROL

You're at the heart of Hitachi's design for its latest range of excavators. To continuously improve on previous generation machines we've focused on enhancing your experience in the cab as an operator.

We've considered the challenges you face as the owner of a successful business. And we've zoomed in on the ways in which we can support you over the life cycle of your machine.

By putting you at the heart of the Zaxis-7 range, we invite you to take control – over your workspace and your fleet. And by working in partnership, we will help you to create your vision.

INSIDE





4. Complete Control In control of your assets

Feel the difference

6. Increase your safety Be in control of your environment



12. Get More from your machine

In control of your performance







8. Boost your uptime Improve your profit



14. Specifications Know your machine



COMPLETE Control

The new Zaxis-7 range of large excavators puts you firmly in control, so you can feel assured of your machine's performance and supported by the technological expertise and services that Hitachi provides.



The expanded cab interior provides a more comfortable working environment.

Integrated console and seat suspension gives

a greater sense of control, and helps to reduce



fatigue.

Visibility of the job site is excellent thanks to the Aerial Angle® camera system and new LCD monitor.



Sensors monitor oil continuously and contribute to preventative maintenance, helping to reduce downtime.



ConSite Pocket app allows you to manage and monitor your fleet remotely.



Options such as Hitachi ground engaging tools enable you to enhance the performance of your excavator.



Improved access to components ensures maintenance is quick and easy.



The new HIOS-V hydraulic system reduces fuel consumption and increases front speed to enhance productivity.



The ECO gauge on the monitor indicates how to lower fuel consumption and reduce costs.

INCREASE YOUR SAFETY

Your ability to work safely is vital, not only for your own wellbeing, but also for the successful completion of any project. To protect yourself and your machine from potential hazards, the new Hitachi Zaxis-7 excavators give you a superior view of your surroundings, so you can see the job site from all angles.

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The visibility you enjoy from the cab includes an exceptional 270-degree bird's-eye view with the Aerial Angle® camera system. You can choose from six image options to view the machine's immediate environment, which enables you to control your own safety – as well as that of those around you.

To help you to work more confidently and efficiently, even in the most challenging of conditions, Zaxis-7 excavators are fitted with some impressive new features. From the LED work lights and the windscreen wiper with an increased sweeping area, to the large reflective strips on the counterweight and roller sunshades, you'll have the visibility you need when it matters most.

Attention to detail is also fundamental to a safe working environment – and the repositioning of the pilot shutoff lever is a perfect example. It is now within easy reach to prevent any unintentional actions.



10

The pilot shutoff lever offers enhanced safety in the cab.





Choose between different image layouts to suit your working environment.



LED work lights improve visibility in challenging conditions.

BOOST YOUR UPTIME

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 owners have profited from generations of ultra-reliable and durable machinery – and the Zaxis-7 range is no exception.

The latest Hitachi large excavators have been built to last, so that you can remain in complete control of your assets. They have been tested rigorously and continuously at dedicated facilities in Japan with the goal of significantly boosting your uptime.

As a result, a wide range of durable new components have been fitted to the latest Stage-V compliant machines – even down to the detail of the rigidity of the door hinges. Now standard on our Zaxis-7 range are hydraulic and engine oil monitoring sensors that help to reduce downtime and running costs.

Downtime is prevented by the durable after-treatment system, and also minimised by the priority given to easy maintenance and cleaning – saving you time and money. Peace of mind comes from such features as the two-way disconnect switch. This makes it possible to shut down power without resetting data on the monitor and prevents the battery from discharging during welding.



Uptime is improved thanks to robust new components



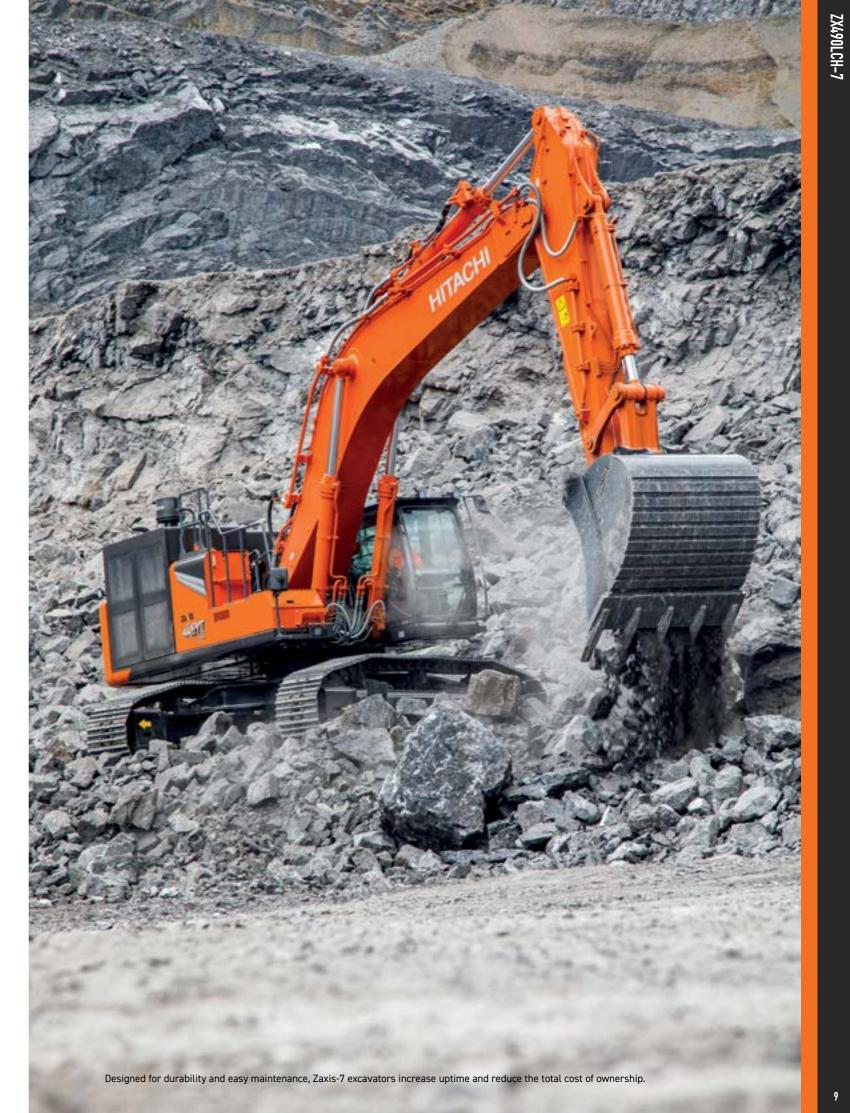
Upgraded engine parts enhance reliability.

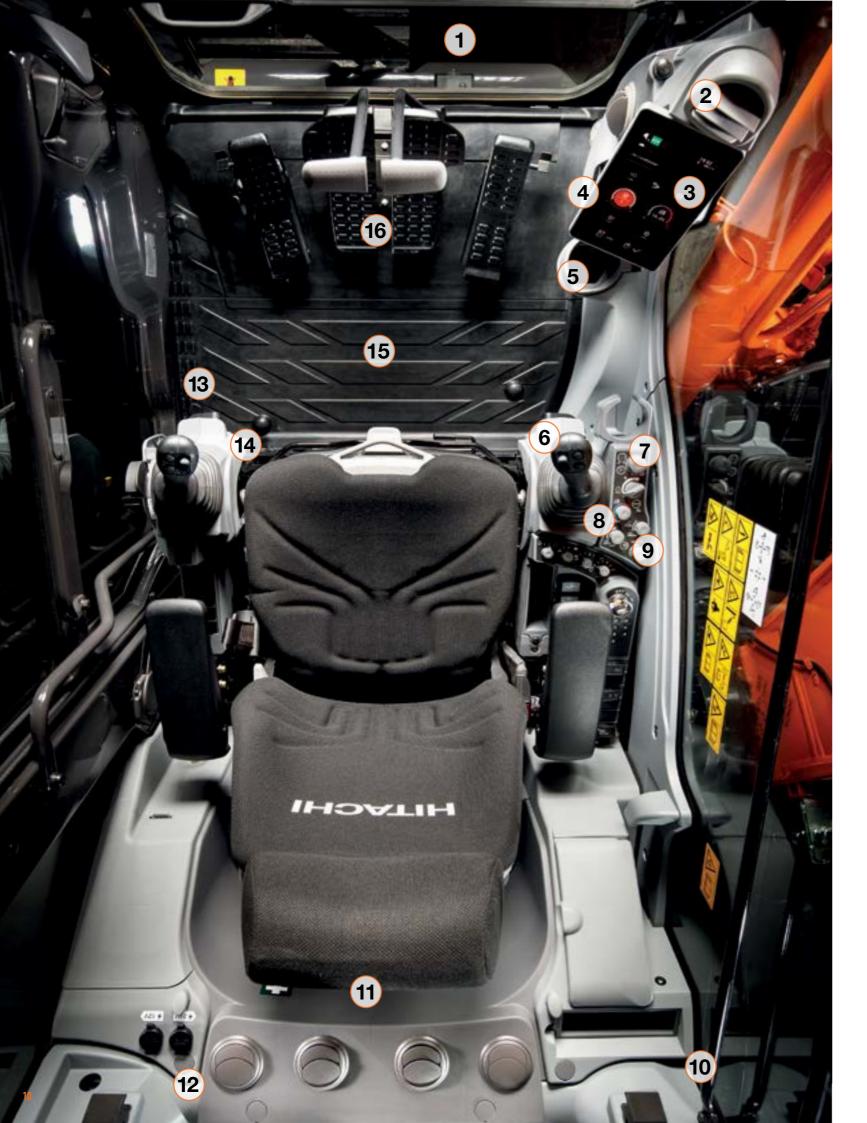


Maintenance is easy at ground level.



The robust undercarriage of the ZX490LCH-7.





CONTROL ZONE

Enhanced comfort and safety features are at your fingertips in the refined cab of Zaxis-7 excavators, giving you the power to perform productively, with ease and reduced fatigue.

1	Increased sweeping area of wide view wiper enhances visibility in difficult working conditions.	(
2	Air conditioning and audio are easily controlled via the monitor.	(
3	Low-reflective colour 8" LCD monitor is easy to view and navigate.	(
4	USB power supply and smartphone holder helps you stay connected.	(
5	Drinks holder is easy to detach for cleaning.	(
6	Additional joystick controls for effortless operation.	(
7	Ergonomic design gives you convenient access to controls.	(
8	Bluetooth® for hands-free calls and DAB+ radio for music while you work.	(
F Y	1996689/ (@	

Operation is easy with ergonomically designed controls and switches.

- (9) Multifunctional control panel makes operation easier.
- (10) Improved sound isolation makes this one of the quietest cabs in the market.
- (1) User-friendly storage space keeps your workspace tidy and clutter-free.
- (12) 12v and 24v outlets for your electrical devices.
- (13) One-touch adjustment lever for console so you can work comfortably in the optimum position.
- (14) Integrated console and seat suspension gives a greater sense of control and helps to reduce fatigue.
- (15) Increased legroom creates a more spacious cab.
- (16) Optimal pedal layout helps to reduce fatigue.



Bluetooth® connection for hands-free calls while you work.

GET MORE FROM YOUR MACHINE

Designed to work in perfect harmony with your machine, Hitachi preferred durable hydraulic breakers, hydraulic hitches, buckets and Ground Engaging Tools (GET) will increase your profit by maximising productivity and uptime. Manufactured to the same high standards as all Hitachi construction equipment, they offer unrivalled reliability and exceptional performance.

Buckets

You can increase the versatility of your excavator by choosing the right bucket for the job. For loading light materials or heavy-duty work, Hitachi supplied buckets can be customised to meet your needs. You have a wide range of options to choose from Hitachi supplied buckets with different capacities and widths.

Ground engaging tools

You can enhance the digging power and productivity of your excavator or wheel loader with Hitachi GET. Quick and safe to install and replace, they fit precisely to your attachments and can be tailored to suit the task. Using Hitachi GET can reduce your maintenance costs and downtime, lower fuel consumption and enhance the overall performance of your machine.

Breakers

High-performance hydraulic breakers - approved by Hitachi - are perfectly suited to large excavators. They are easy to maintain and user-friendly, and their high-quality materials ensure a long lifetime. This means reduced maintenance costs, fewer replacement parts and minimal downtime.





nents can be customised to suit the application. Breakers are lightweight with high impact energy



Hitachi GET include teeth and reliable adapters to ensure a precise fit.



A variety of boom and arm types are available to suit tough environments and heavy-duty tasks.



SPECIFICATIONS

ENGINE			
Model	Isuzu 6WG1		
Туре	4-cycle water-cooled, common rail direct injection		
Aspiration	Variable geometry turbocharged, intercooled, cooled EGR		
Aftertreatment	DOC+CSF+SCR system		
No. of cylinders	6		
Rated power			
ISO 14396 : 2002 gross	296 kW at 1 800 min-1		
ISO 9249 : 2007 net	295 kW at 1 800 min ⁻¹		
Maximum torque	2 050 Nm at 1 300 min ⁻¹		
Piston displacement	15.681 L		
Bore and stroke	147 mm x 154 mm		
Batteries	2 x 12 V / 147 Ah		

HYDRAULIC SYSTEM					
Hydraulic Pumps					
Main pumps		2 varia	able displacement av	kial piston pumps	
Maximum oil flov	V	2 x 38	5 L/min		
Pilot pump		1 gear	pump		
Maximum oil flow	/	30 L/r	nin		
Hydraulic Mote	ors				
Travel	avel 2 variable displacement axial piston motors				
Swing		2 axia	piston motor		
Relief Valve Se	ettings				
Implement circui	Implement circuit 31.9 MPa				
Swing circuit		28.4 N	<i>I</i> Pa		
Travel circuit		35.3 N	<i>I</i> Pa		
Pilot circuit		3.9 M	3.9 MPa		
Power boost		35.3 MPa			
Hydraulic Cylinders					
Quantity		ntity	Bore	Rod diameter	
Boom	2		170 mm	115 mm	
Arm	1		190 mm	130 mm	
Bucket	cket 1		170 mm	120 mm	

UPPERSTRUCTURE				
Revolving Frame				
D-section frame for resistance to deformation.				
Swing Device				
Axial piston motor with planetary reduction gear is bathed in oil. Swing parking brake is spring-set/hydraulic-released disc type.				
Swing speed 9.6 min ⁻¹				
Swing torque	148 kNm			

UNDERCARRIAGE

Tracks

Track shoes with triple grousers made of induction-hardened rolled

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

Numbers of Rollers and Shoes on Each Side				
Upper rollers	3			
Lower rollers	9			
Track shoes	53			
Track guards 2				
Travel Device				

Each track driven by 2-speed axial piston motor. Parking brake is spring-set/hydraulic-released disc type. Automatic transmission system: High-Low.

Travel speeds	High : 0 to 5.5 km/h
Traver speeds	Low : 0 to 3.7 km/h
Maximum traction force	329 kN
Gradeability	70% (35 degree) continuous

SERVICE REFILL CAPACITIES			
Fuel tank	675.0 L		
Engine coolant	70.0 L		
Engine oil	62.0 L		
Swing device	6.5 L		
Travel device (each side)	11 L		
Hydraulic system	510.0 L		
Hydraulic oil tank	310.0 L		
DEF/AdBlue® tank	95.0 L		

ENVIRONMENT		
Engine Emissions	EU Stage V	
Sounds Level		
Sound level in cab according to ISO 6396 : 2008	70 LpA dB(A)	
External sound level according to ISO 6395 : 2008 and EU Directive 2000/14/EC	107 LwA dB(A)	
Air Conditioning System		

Air Conditioning System

The air conditioning system contains fluorinated greenhouse gases. Refrigerant type: HFC-134a, GWP: 1430, Amount: 1.10kg, CO2e: 1.57ton.

WEIGHTS AND GROUND PRESSURE

Operating Weight and Ground Pressure

Bucket Capacity	Boom type	Arm type	Shoe grouser type	Shoe width (mm)	Operating weight (kg)	Ground pressure (kPa)
			Triple or double	600 mm	50 400	85
2.1 m ³ Rock bucket (ISO heaped)	7.0 m H	3.4 m H	Triple	750 mm	51 200	69
			Triple	900 mm	51 900	59
			Triple or double	600 mm	50 700	85
2.5 m ³ Rock bucket (ISO heaped)	6.3 m BE	2.9 m BE	Triple	750 mm	51 400	69
			Triple	900 mm	52 100	59

BUCKET AND ARM DIGGING FORCE

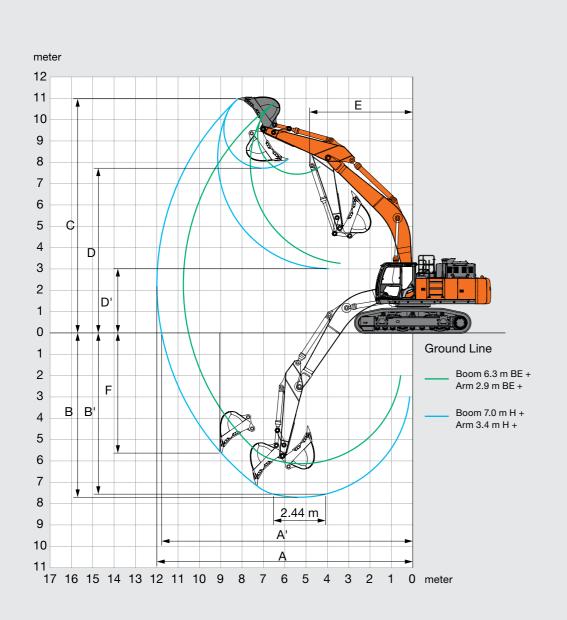
	ZAXIS 490LCH		
Boom length	Boom 6.3 m BE	Boom 7.0 m H	
Arm length	Arm 2.9 m BE	Arm 3.4 m H	
Bucket Digging Force at Power Boost ISO 6015	300	302	
Bucket Digging Force at Power Boost SAE : PCSA	265	267	
Arm Crowd Force at Power Boost ISO 6015	265	225	
Arm Crowd Force at Power Boost SAE : PCSA	257	219	

* At power boost

Unit: kN

SPECIFICATIONS

WORKING RANGES

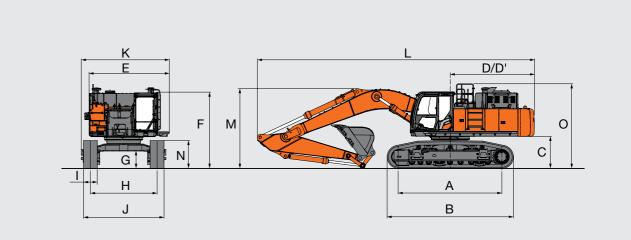


Unit:	mm

	ZX490LCH-7	
	Boom 6.3 m BE	Boom 7.0 m H
Arm length	Arm 2.9 m BE	Arm 3.4 m H
A Max. digging reach	10 750	11 990
A' Max. digging reach (on ground)	10 500	11 770
B Max. digging depth	6 130	7 700
B' Max. digging depth for 2.44 m level	5 970	7 560
C Max. cutting height	10 790	10 980
D Max. dumping height	7 440	7 720
D' Min. dumping height	3 250	3 020
E Min. swing radius	3 920	4 840
F Max. vertical wall digging depth	4 650	5 630

Excluding track shoe lug

DIMENSIONS



			ZX490LCH-7		
A	A Distance between tumblers 4 470				
В	Undercarriage length		5 470		
*C	Counterweight clearance		1 360		
D	Rear-end swing radius		3 680		
D'	Rear-end length	3 680			
E	Overall width of upperstructure	3 480			
F	Overall height of cab	3 360			
*G	Min. ground clearance	740			
H'	Track gauge : Extended / Retracted	2 890 / 2 390			
I	Track shoe width	G 600	G 750	G 900	
J	Undercarriage width : Extended / Retracted	3 490 / 2 990	3 640 / 3 140	3 790 / 3 290	
K	Overall width		3 810		
L	Overall length	12 030			
М	Overall height of boom	3 570			
N	Track height	1 220			
0	Overall height of base machine		3 680		

*1 Excluding track shoe lug G: Grouser shoe *2 Equipped with H-boom 7.8 m and H-arm 3.4 m

Backhoe Buckets

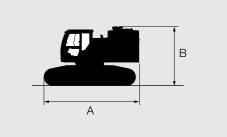
	Canaci	(m2)	\\/;d+b	(22.22)			Recommendation		
	Capacity (m3)		Width (mm)		No. of		ZX490LCH-7		
Bucket		CECE heaped	Without side cutters	With side cutters	teeth	Weight (kg)	Boom 6.3 m BE	Boom 7.0 m H	
	ISO heaped						Arm 2.9 m BE	Arm 3.4 m H	
	2.1	1.8	1 560	1 580	5	2 170	•	٠	
Rock bucket	2.3	2.0	1 680	1 700	5	2 260	•	-	
	2.5	2.2	1 800	1 820	5	2 360	•	-	
Ripper bucket	1.3	1.2	1 170	-	3	2 330	•	•	
One-point ripper	-	-	-	-	1	1 260	•	•	

Heavy-duty service - Not applicable

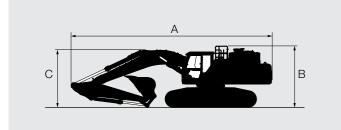
Unit: mm

TRANSPORTATION

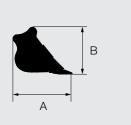
BASIC MACHINE (WITHOUT COUNTERWEIGHT)



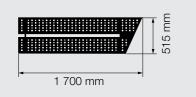
BASIC MACHINE FITTED WITH FRONT AND SIDEWALK



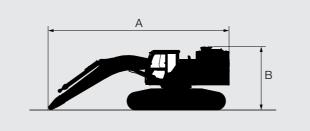
BUCKET



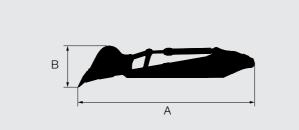
LEFT SIDEWALK (REAR) Overall height: 150 mm / Weight: 34 kg



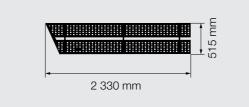
BASIC MACHINE FITTED WITH BOOM AND NO SIDEWALK



ARM



LEFT SIDEWALK (FRONT) Overall height: 195 mm / Weight: 48 kg



COUNTERWEIGHT

Overall height: 1 340 mm / Weight: 9 080 kg



BASIC MACHINE (WITHOUT COUNTERWEIGHT)

	Shoe width (mm)	A (mm)	B (mm)	Overall width*2 (mm)	Weight (kg)
	600	5 690	3 520	2 990	29 900
ZX490LCH-7	750	5 690	3 520	3 140	30 700
	900	5 690	3 520	3 290	31 400

¹ Without exhaust funnel

*2 Undercarriage retracted without truck sidestep

BASIC MACHINE FITTED WITH BOOM AND NO SIDEWALK

	Shoe width (mm)	A: Length (mm)	B: Height (mm)*1	Overall width (mm) ^{*2}	Weight (kg)
	600	9 150	3 520	2 990	35 700
6.3m BE	750	9 150	3 520	3 140	36 500
	900	9 150	3 520	3 290	37 200
	600	9 910	3 520	2 990	35 700
7.0 m H	750	9 150	3 520	3 140	36 500
	900	9 910	3 520	3 290	37 100

¹ Without pre-cleaner ^{*2} Undercarriage retracted

BASIC MACHINE FITTED WITH FRONT AND SIDEWALK

Boom	Arm type	A: Length (mm)	B: Height (mm) ⁻¹	C: Overall width (mm)
6.3 m BE	2.9 m BE	11 370	3 680	4 020
7.0 m H	3.4 m H	12 030	3 680	3 750
*1 With handrail				

ARM

Arm	Bucke	et (m ³)	A (mm)	B (mm)	Overall width	Woight (kg)	
AIIII	ISO heaped	CECE heaped	Α (ΠΠΠ)	D (ITIIT)	(mm)	Weight (kg)	
2.9 BE	2.5	2.2	6 030	1 340	1 700	5 100	
3.4 H	2.1	1.8	6 370	1 470	1 500	4 900	

BUCKET

Bucket	Capac	ity (m ³)	A (mm)	B (mm)	Overall width	Moight (kg)	
Duckel	ISO heaped	CECE heaped	Α (ΠΠΠ)	B (min)	(mm)	Weight (kg)	
	2.1	1.8	1 950	1 650	1 580	2 170	
Rock bucket	2.3	2.0	1 950	1 650	1 700	2 260	
	2.5	2.2	1 950	1 650	1 820	2 360	

MACHINE CAPACITIES

Notes:1. Ratings are based on ISO 10567 : 2007.2. Machine capacity does not exceed 75% of tipping load with the machine on firm, level ground or 87% full hydraulic capacity.

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

4. *Indicates load limited by hydraulic capacity.

5. 0 m = Ground.

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

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

ПС

ZX490LCH-	ZX490LCH-7 Di Rating over-front 🛱 Rating over-front						over-side or	360 degrees	Unit : kg					
	Load					Load	radius						At max. reach	
Conditions	point) m		5 m	6.0 m		7.5 m		9.0 m		At max. reach		
	height m	Ů	₽	Ů		Ů		Ů		Ů	₽	Ů	c⊫∘	meter
Boom 6.3 m BE	7.5					*13 810	*13 810					*7 900	*7 900	7.2
Arm 2.9 m BE Counterweight	6.0					*14 660	*14 660	*13 360	11 120			*7 670	*7 670	8.1
9 080 kg	4.5			*20 880	*20 880	*16 350	15 280	*14 040	10 800			*7 760	*7 760	8.6
	3.0			*25 010	22 020	*18 280	14 420	*14 950	10 390			*8 140	8 010	8.9
	1.5			*27 250	20 770	*19 720	13 720	*15 690	10 010			*8 860	7 850	8.9
	0 (Ground)			*27 160	20 330	*20 180	13 310	*15 880	9 760			*10 080	8 080	8.6
	-1.5	*24 140	*24 140	*25 440	20 330	*19 400	13 190	*15 080	9 700			*12 250	8 840	8.1
	-3.0	*28 040	*28 040	*22 020	20 630	*16 980	13 360					*13 310	10 550	7.2
	-4.5													
Boom 7.0 m H	7.5							*11 360	*11 360			*7 590	*7 590	8.7
Arm 3.4 m H Counterweight	6.0							*11 960	11 180	*10 790	8 250	*7 470	*7 470	9.4
9 080 kg	4.5			*20 390	*20 390	*15 470	15 080	*12 980	10 730	*11 540	8 040	*7 570	6 830	9.9
	3.0			*23 470	21 350	*17 600	14 120	*14 120	10 220	*12 100	7 780	*7 890	6 440	10.1
	1.5			*15 200	*15 200	*19 160	13 370	*15 060	9 780	12 270	7 530	*8 450	6 310	10.1
	0 (Ground)			*18 240	*18 240	*19 790	12 920	*15 530	9 470	12 070	7 350	*9 360	6 440	9.9
	-1.5	*13 320	*13 320	*25 260	19 750	*19 420	12 760	*15 330	9 330	12 000	7 290	*10 840	6 870	9.4
	-3.0	*21 770	*21 770	*23 030	19 960	*18 000	12 830	*14 200	9 370			*11 500	7 780	8.7
	-4.5	*23 890	*23 890	*19 140	*19 140	*15 100	13 120	*11 160	9 680			*11 100	9 650	7.5

EQUIPMENT

A: Load radius

B: Load point height

C: Machine capacity

Aftertreatment device•Air cleaner double filters•Alternator 90 A•Auto idle system•Auto shut-down control•Cartridge-type engine oil filter•Cartridge-type fuel main filter•ConSite OIL (sensor)*•DEF/AdBlue® tank inlet strainer and extension filler•Dry-type air filter with evacuator valve (with air filter restriction indicator)•Dust-proof indoor net•ECO/PWR mode control•Electrical fuel feed pump•Engine oil drain coupler•Fuel cooler•Fuel cooler•Fuel pre-filter with water separator•Solation-mounted engine•Maintenance free pre-cleaner•Reversible fan•ConSite OIL (sensor)*•Control valve with main relief valve•Drain filter•Engine speed sensing system•Engine speed sensing system•Fur port for control valve•Hose rupture valve for boom•Pilot filter•Power boost•Shockless valve in pilot circuit•Autiable reliefvalve for breaker and crusher•Pilot filter•Power boost•Pilot filter•Power boost•Pilot filter•Power boost•Pilot filter•Power koost•Pilot filter• <th>ENGINE</th> <th>ZX490LCH-7</th>	ENGINE	ZX490LCH-7
All column decision matriceAllAlternator 90 A•Auto idle system•Auto shut-down control•Cartridge-type engine oil filter•Cartridge-type fuel main filter•ConSite OIL (sensor)*•DEF/AdBlue® tank inlet strainer and extension filler•DEF/AdBlue® tank•Dry-type air filter with evacuator valve (with air filter restriction indicator)•Dust-proof indoor net•ECO/PWR mode control•Electrical fuel feed pump•Engine oil drain coupler•Expansion tank•Fan guard•Fuel cooler•Fuel cooler•Fuel pre-filter with water separator•Isolation-mounted engine•Maintenance free pre-cleaner•Radiator, oil cooler and intercooler•Reversible fan•ConSite OIL (sensor)*•ConSite OIL (sensor)*•ConSite OIL (sensor)*•Control valve with main relief valve•Drain filter•Extra port for control valve•Hose rupture valve for arm•Hose rupture valve for boom•Pilot filter•Power boost•Shockless valve in pilot circuit•Variable reliefvalve for breaker and crusher•Variable reliefvalve for breaker and crusher•	Aftertreatment device	•
Auto idle system•Auto shut-down control•Cartridge-type engine oil filter•Cartridge-type fuel main filter•ConSite OIL (sensor)*•DEF/AdBlue® tank inlet strainer and extension filler•DEF/AdBlue® tank•Dry-type air filter with evacuator valve (with air filter restriction indicator)•Dust-proof indoor net•ECO/PWR mode control•Electrical fuel feed pump•Engine oil drain coupler•Evapansion tank•Fan guard•Fuel pre-filter with water separator•Isolation-mounted engine•Maintenance free pre-cleaner•Radiator, oil cooler and intercooler•Auto power lift•Boom mode selector system•Consite OIL (sensor)*•Control valve with main relief valve•Drain filter•Hyber of control valve•Hose rupture valve for arm•Hose rupture valve for boom•Pilot filter•Power boost•Shockless valve in pilot circuit•Variable reliefvalve for breaker and crusher•Pilot filter•Power boost•Shockless valve in pilot circuit•Variable reliefvalve for breaker and crusher•Variable reliefvalve for breaker and crusher•	Air cleaner double filters	•
Auto shut-down controlImage: Cartridge-type engine oil filterImage: Cartridge-type fuel main filterCartridge-type fuel main filterImage: ConSite OIL (sensor)*Image: ConSite OIL (sensor)*DEF/AdBlue@ tank inlet strainer and extension fillerImage: ConSite OIL (sensor)*Image: ConSite OIL (sensor)*DEF/AdBlue@ tank inlet strainer and extension fillerImage: ConSite OIL (sensor)*Image: ConSite OIL (sensor)*DEF/AdBlue@ tankImage: ConSite OIL (sensor)Image: ConSite OIL (sensor)Image: ConSite OIL (sensor)Dust-proof indoor netImage: ConSite OIL (sensor)Image: ConSite OIL (sensor)Image: ConSite OIL (sensor)*Engine oil drain couplerImage: ConSite OIL (sensor)*Image: ConSite OIL (sensor)*Image: ConSite OIL (sensor)*FuyDRAULIC SYSTEMImage: ConSite OIL (sensor)*Image: ConSite OIL (sensor)*Image: ConSite OIL (sensor)*Control valve with main relief valveImage: ConSite OIL (sensor)*Image: ConSite OIL (sensor)*Image: ConSite OIL (sensor)*Control valve with main relief valveImage: ConSite OIL (sensor)*Image: ConSite OIL (sensor)*Image: ConSite OIL (sensor)*Fuse rupture valve for armImage: ConSite OIL (sensor)*Image: ConSite OIL (sensor)*Image: ConSite OIL (sensor)*Fuse rupture valve for armImage: ConSite OIL (sensor)*Image: ConSite OIL (sensor)*Image: ConSite OIL (sensor)*Fuse rupture valve for armImage: ConSite OIL (sensor)*Image: ConSite OIL (sensor)*Image: ConSite OIL (sensor)*Fuse rupture valve for armImage: ConSite OIL (sensor)*Image: ConSite OIL (sensor)*	Alternator 90 A	•
Cartridge-type engine oil filter•Cartridge-type fuel main filter•ConSite OIL (sensor)*•DEF/AdBlue® tank inlet strainer and extension filler•DEF/AdBlue® tank•Dry-type air filter with evacuator valve (with air filter restriction indicator)•Dust-proof indoor net•ECO/PWR mode control•Electrical fuel feed pump•Engine oil drain coupler•Fan guard•Fuel cooler•Fuel cooler•Radiator, oil cooler and intercooler•Radiator, oil cooler and intercooler•Radiator, oil cooler and intercooler•Radiator, oil cooler and intercooler•Auto power lift•Boom mode selector system•Control valve with main relief valve•Drain filter•Hyper tor control valve•Hose rupture valve for arm•Hose rupture valve for boom•Pilot filter•Power boost•Shockless valve in pilot circuit•Variable reliefvalve for breaker and crusher•Variable reliefvalve for breaker and crusher•Variable reliefvalve for breaker and crusher•	Auto idle system	•
Cartridge type origine or miceImage type origine or miceCartridge-type fuel main filterImage type origine or miceConSite OIL (sensor)*Image type origine or miceDEF/AdBlue® tank inlet strainer and extension fillerImage type origineDEF/AdBlue® tankImage type origineDy-type air filter with evacuator valve (with air filter restriction indicator)Image type origineDust-proof indoor netImage type origineECO/PWR mode controlImage type origineElectrical fuel feed pumpImage type origineEngine oil drain couplerImage type origineExpansion tankImage type origineFan guardImage type origineFuel coolerImage type origineFuel pre-filter with water separatorImage type origineIsolation-mounted engineImage type origineMaintenance free pre-cleanerImage type origineReversible fanImage type origineMuto power liftImage type origineBoom mode selector systemImage type origineControl valve with main relief valveImage type origineDrain filterImage type origineEngine speed sensing systemImage type origineFurt port for control valveImage type origineHose rupture valve for boomImage type originePilot filterImage type originePower boostImage type origineSuction filterImage type origineVariable reliefvalve for breaker and crusherImage type origineVork mode selectorImage	Auto shut-down control	•
ConSite OIL (sensor)*•DEF/AdBlue® tank inlet strainer and extension filler•DEF/AdBlue® tank•DEF/AdBlue® tank•Dry-type air filter with evacuator valve (with air filter restriction indicator)•Dust-proof indoor net•ECO/PWR mode control•Electrical fuel feed pump•Engine oil drain coupler•Expansion tank•Fan guard•Fuel cooler•Fuel pre-filter with water separator•Isolation-mounted engine•Radiator, oil cooler and intercooler•Reversible fan•Vattop power lift•Boom mode selector system•ConSite OIL (sensor)*•Control valve with main relief valve•Drain filter•Engine speed sensing system•Furt port for control valve•Hose rupture valve for boom•Pilot filter•Power boost•Shockless valve in pilot circuit•Variable reliefvalve for breaker and crusher•Variable reliefvalve for breaker and crusher•Vork mode selector•Pilot filter•Pilot filter•Pilot filter•Power boost•Suction filter•Variable reliefvalve for breaker and crusher•Variable reliefvalve for breaker and crusher•Vork mode selector• <td>Cartridge-type engine oil filter</td> <td>•</td>	Cartridge-type engine oil filter	•
DEF/AdBlue® tank inlet strainer and extension filler.DEF/AdBlue® tank.Dry-type air filter with evacuator valve (with air filter restriction indicator).Dust-proof indoor net.ECO/PWR mode control.Electrical fuel feed pump.Engine oil drain coupler.Expansion tank.Fan guard.Fuel cooler.Fuel pre-filter with water separator.Isolation-mounted engine.Maintenance free pre-cleaner.Radiator, oil cooler and intercooler.Reversible fan.PYDRAULIC SYSTEM.Zx190.CH-7.Auto power lift.Boom mode selector system.Control valve with main relief valve.Drain filter.Engine speed sensing system.Extra port for control valve.Hose rupture valve for arm.Hose rupture valve for arm.Hose rupture valve for boom.Pilot filter.Power boost.Shockless valve in pilot circuit.Variable reliefvalve for breaker and crusher.Vork mode selector.Vork mode selector.	Cartridge-type fuel main filter	•
extension filler•DEF/AdBlue® tank•Dry-type air filter with evacuator valve (with air filter restriction indicator)•Dust-proof indoor net•ECO/PWR mode control•Electrical fuel feed pump•Engine oil drain coupler•Expansion tank•Fan guard•Fuel cooler•Fuel pre-filter with water separator•Isolation-mounted engine•Maintenance free pre-cleaner•Reversible fan•Prover lift•Boom mode selector system•ConSite OIL (sensor)*•Control valve with main relief valve•Drain filter•Hose rupture valve for arm•Hose rupture valve for boom•Pilot filter•Power boost•Suction filter•Power boost•Suction filter•Power kolse selector system and the selector system•Extra port for control valve•Hose rupture valve for arm•Hose rupture valve for arm•Hose rupture valve for boom•Pilot filter•Power boost•Suction filter•Variable reliefvalve for breaker and crusher•Vork mode selector•Vork mode selector•	ConSite OIL (sensor)*	•
Dry-type air filter with evacuator valve (with air filter restriction indicator)Image: construction indicator)Dust-proof indoor netImage: construction indicator)Image: construction indicator)ECO/PWR mode controlImage: construction indicator)Image: construction indicator)Engine oil drain couplerImage: construction indicator)Image: construction indicator)Engine oil drain couplerImage: construction indicator)Image: construction indicator)Expansion tankImage: construction indicator)Image: construction indicator)Fan guardImage: construction indicator)Image: construction indicatorFuel coolerImage: construction indicator indicator, oil cooler and intercoolerImage: construction indicator, oil cooler and intercoolerRadiator, oil cooler and intercoolerImage: construction indicator, oil cooler systemImage: construction indicator)Reversible fanImage: construction indicator)Image: construction indicator)Muto power liftImage: construction indicator)Image: construction indicatorBoom mode selector systemImage: construction indicatorImage: construction indicatorControl valve with main relief valveImage: construction indicatorImage: construction indicatorDrain filterImage: construction indicatorImage: construction indicatorImage: construction indicatorFuel construction indicatorImage: construction indicatorImage: construction indicatorImage: construction indicatorFuel construction filterImage: construction indicatorImage: construction indicator		•
(with air filter restriction indicator)•Dust-proof indoor net•ECO/PWR mode control•Electrical fuel feed pump•Engine oil drain coupler•Expansion tank•Fan guard•Fuel cooler•Fuel pre-filter with water separator•Isolation-mounted engine•Maintenance free pre-cleaner•Reversible fan•Vattop power lift•Boom mode selector system•ConSite OIL (sensor)*•Consite OIL (sensor)*•Extra port for control valve•Hose rupture valve for boom•Pilot filter•Shockless valve in pilot circuit•Variable reliefvalve for breaker and crusher•Variable reliefvalve for breaker and crusher•Vork mode selector•Hose rupture valve for breaker and crusher•Pilot filter•Power boost•Shockless valve in pilot circuit•Variable reliefvalve for breaker and crusher•Vark mode selector•Suction filter•Suction filter•Variable reliefvalve for breaker and crusher•Vark mode selector•Vark mode selector•	DEF/AdBlue® tank	•
ECO/PWR mode controlImage: Control and the second of the seco		•
Electrical fuel feed pump•Engine oil drain coupler•Expansion tank•Fan guard•Fuel cooler•Fuel pre-filter with water separator•Isolation-mounted engine•Maintenance free pre-cleaner•Radiator, oil cooler and intercooler•Reversible fan•Variop power lift•Boom mode selector system•ConSite OIL (sensor)*•Control valve with main relief valve•Drain filter•Extra port for control valve•Hose rupture valve for boom•Pilot filter•Power boost•Shockless valve in pilot circuit•Variable reliefvalve for breaker and crusher•Variable reliefvalve for breaker and crusher•Vork mode selector•	Dust-proof indoor net	•
Enconnect noor partipImage: second constraintsEngine oil drain couplerImage: second constraintsExpansion tankImage: second constraintsFan guardImage: second constraintsFuel coolerImage: second constraintsFuel pre-filter with water separatorImage: second constraintsIsolation-mounted engineImage: second constraintsMaintenance free pre-cleanerImage: second constraintsRadiator, oil cooler and intercoolerImage: second constraintsReversible fanImage: second constraintsHYDRAULIC SYSTEMImage: second constraintsAuto power liftImage: second constraintsBoom mode selector systemImage: second constraintsConSite OIL (sensor)*Image: second constraintsControl valve with main relief valveImage: second constraintsDrain filterImage: second constraintsEngine speed sensing systemImage: second constraintsExtra port for control valveImage: second constraintsHose rupture valve for boomImage: second constraintsPilot filterImage: second constraintsPower boostImage: second constraintsShockless valve in pilot circuitImage: second constraintsSuction filterImage: second constraintsVariable reliefvalve for breaker and crusherImage: second constraintsWork mode selectorImage: second constraints	ECO/PWR mode control	•
Expansion tank•Fan guard•Fuel cooler•Fuel pre-filter with water separator•Isolation-mounted engine•Maintenance free pre-cleaner•Radiator, oil cooler and intercooler•Reversible fan•HYDRAULIC SYSTEM2X490LCH-7Auto power lift•Boom mode selector system•ConSite OIL (sensor)*•Control valve with main relief valve•Drain filter•Engine speed sensing system•Extra port for control valve•Hose rupture valve for boom•Pilot filter•Power boost•Shockless valve in pilot circuit•Suction filter•Variable reliefvalve for breaker and crusher•Work mode selector•	Electrical fuel feed pump	•
Explanation teamImage: constraint of teamFan guardImage: constraint of teamFuel coolerImage: constraint of teamFuel pre-filter with water separatorImage: constraint of teamIsolation-mounted engineImage: constraint of teamMaintenance free pre-cleanerImage: constraint of teamRadiator, oil cooler and intercoolerImage: constraint of teamReversible fanImage: constraint of teamHYDRAULIC SYSTEMImage: constraint of teamBoom mode selector systemImage: constraint of teamConsite OIL (sensor)*Image: constraint of teamControl valve with main relief valveImage: constraint of teamDrain filterImage: constraint of teamEngine speed sensing systemImage: constraint of teamExtra port for control valveImage: constraint of teamHose rupture valve for boomImage: constraint of teamPilot filterImage: constraint of teamPower boostImage: constraint of teamSuction filterImage: constraint of teamVariable reliefvalve for breaker and crusherImage: constraint of teamWork mode selectorImage: constraint of team	Engine oil drain coupler	•
Fuel cooler•Fuel pre-filter with water separator•Isolation-mounted engine•Maintenance free pre-cleaner•Radiator, oil cooler and intercooler•Reversible fan•HYDRAULIC SYSTEM2X490LCH-7Auto power lift•Boom mode selector system•ConSite OIL (sensor)*•Control valve with main relief valve•Drain filter•Engine speed sensing system•Hose rupture valve for boom•Pilot filter•Power boost•Shockless valve in pilot circuit•Suction filter•Variable reliefvalve for breaker and crusher•Work mode selector•	Expansion tank	•
Fuel pre-filter with water separatorIsolation-mounted engineMaintenance free pre-cleanerRadiator, oil cooler and intercoolerReversible fanHYDRAULIC SYSTEMZXERNCH-7Auto power liftBoom mode selector systemConSite OIL (sensor)*Control valve with main relief valveDrain filterEngine speed sensing systemHose rupture valve for broomPilot filterPower boostShockless valve in pilot circuitSuction filterVariable reliefvalve for breaker and crusherWork mode selectorVerk mode selectorOntrol valve with main relief valveDrain filterEngine speed sensing systemExtra port for control valveHose rupture valve for broomPilot filterPower boostShockless valve in pilot circuitSuction filterVariable reliefvalve for breaker and crusherWork mode selector	Fan guard	•
Isolation-mounted engine•Maintenance free pre-cleaner•Radiator, oil cooler and intercooler•Reversible fan•HYDRAULIC SYSTEM2X490LCH-7Auto power lift•Boom mode selector system•ConSite OIL (sensor)*•Control valve with main relief valve•Drain filter•Engine speed sensing system•Extra port for control valve•Hose rupture valve for boom•Pilot filter•Power boost•Shockless valve in pilot circuit•Suction filter•Variable reliefvalve for breaker and crusher•Work mode selector•	Fuel cooler	•
Maintenance free pre-cleaner•Radiator, oil cooler and intercooler•Reversible fan•Reversible fan•HYDRAULIC SYSTEM2X480LCH-7Auto power lift•Boom mode selector system•ConSite OIL (sensor)*•Control valve with main relief valve•Drain filter•Engine speed sensing system•Extra port for control valve•Hose rupture valve for boom•Pilot filter•Power boost•Shockless valve in pilot circuit•Suction filter•Variable reliefvalve for breaker and crusher•Work mode selector•	Fuel pre-filter with water separator	•
Radiator, oil cooler and intercooler • Reversible fan • HYDRAULIC SYSTEM 2X490LCH-7 Auto power lift • Boom mode selector system • ConSite OlL (sensor)* • Control valve with main relief valve • Drain filter • Engine speed sensing system • Hose rupture valve for boom • Pilot filter • Power boost • Shockless valve in pilot circuit • Variable reliefvalve for breaker and crusher • Vork mode selector •	Isolation-mounted engine	•
Reversible fan • Reversible fan • Reversible fan • Auto power lift • Boom mode selector system • ConSite OIL (sensor)* • Control valve with main relief valve • Drain filter • Engine speed sensing system • Extra port for control valve • Hose rupture valve for boom • Pilot filter • Power boost • Shockless valve in pilot circuit • Variable reliefvalve for breaker and crusher • Work mode selector •	Maintenance free pre-cleaner	•
HYDRAULIC SYSTEMZX400LCH-7Auto power lift●Boom mode selector system●ConSite OIL (sensor)*●Control valve with main relief valve●Drain filter●Engine speed sensing system●Extra port for control valve●Hose rupture valve for boom●Pilot filter●Power boost●Shockless valve in pilot circuit●Suction filter●Variable reliefvalve for breaker and crusher●Work mode selector●	Radiator, oil cooler and intercooler	•
Auto power lift•Boom mode selector system•ConSite OIL (sensor)*•Control valve with main relief valve•Drain filter•Engine speed sensing system•Extra port for control valve•Hose rupture valve for arm•Pilot filter•Power boost•Shockless valve in pilot circuit•Variable reliefvalve for breaker and crusher•Work mode selector•	Reversible fan	•
Auto power lift•Boom mode selector system•ConSite OIL (sensor)*•Control valve with main relief valve•Drain filter•Engine speed sensing system•Extra port for control valve•Hose rupture valve for arm•Pilot filter•Power boost•Shockless valve in pilot circuit•Variable reliefvalve for breaker and crusher•Work mode selector•		7X490I CH-7
Boom mode selector system•ConSite OIL (sensor)*•Control valve with main relief valve•Drain filter•Engine speed sensing system•Extra port for control valve•Hose rupture valve for arm•Pilot filter•Power boost•Shockless valve in pilot circuit•Suction filter•Variable reliefvalve for breaker and crusher•Work mode selector•		
Consite OIL (sensor)*•Consite OIL (sensor)*•Control valve with main relief valve•Drain filter•Engine speed sensing system•Extra port for control valve•Hose rupture valve for arm•Pilot filter•Power boost•Shockless valve in pilot circuit•Suction filter•Variable reliefvalve for breaker and crusher•Work mode selector•	· · · · · · · · · · · · · · · · · · ·	•
Control valve with main relief valveDrain filterEngine speed sensing systemExtra port for control valveHose rupture valve for armHose rupture valve for boomPilot filterPower boostShockless valve in pilot circuitSuction filterVariable reliefvalve for breaker and crusherWork mode selector		-
Drain filter•Engine speed sensing system•Extra port for control valve•Hose rupture valve for arm•Hose rupture valve for boom•Pilot filter•Power boost•Shockless valve in pilot circuit•Suction filter•Variable reliefvalve for breaker and crusher•Work mode selector•		
Engine speed sensing system•Extra port for control valve•Hose rupture valve for arm•Hose rupture valve for boom•Pilot filter•Power boost•Shockless valve in pilot circuit•Suction filter•Variable reliefvalve for breaker and crusher•Work mode selector•		•
Extra port for control valveHose rupture valve for armHose rupture valve for boomPilot filterPower boostShockless valve in pilot circuitSuction filterVariable reliefvalve for breaker and crusherWork mode selector		•
Hose rupture valve for arm•Hose rupture valve for boom•Pilot filter•Power boost•Shockless valve in pilot circuit•Suction filter•Variable reliefvalve for breaker and crusher•Work mode selector•		
Hose rupture valve for boomPilot filterPower boostShockless valve in pilot circuitSuction filterVariable reliefvalve for breaker and crusherWork mode selector		
Pilot filter • Power boost • Shockless valve in pilot circuit • Suction filter • Variable reliefvalve for breaker and crusher • Work mode selector •		
Power boost • Shockless valve in pilot circuit • Suction filter • Variable reliefvalve for breaker and crusher • Work mode selector •		•
Shockless valve in pilot circuit Suction filter Variable reliefvalve for breaker and crusher Work mode selector		
Suction filter•Variable reliefvalve for breaker and crusher•Work mode selector•		•
Variable reliefvalve for breaker and crusher • Work mode selector •		•
crusher • Work mode selector •		•
	crusher	•
* Engine oil and hydraulic oil monitoring sensor		•

* Engine oil and hydraulic oil monitoring senso

CAB	ZX490LCH-7	MONITOR SYSTEM
All-weather sound suppressed steel cab	•	Alarms: overheat, engine warning,
Auto control air conditioner	•	engine oil pressure, alternator, minimum fuel level, hydraulic filter
Bluetooth® integrated DAB+radio	•	restriction, air filter restriction, work
Console height adjustment	•	mode, overload, SCR system
CRES VII (center pillar reinforced	•	trouble, etc Alarm buzzers: overheat, engine
structure) cab	•	oil pressure, overload, SCR system trouble, etc
		Display of meters: water temperature
Drink holder with hot and cool function	•	hour, fuel rate, clock, DEF/AdBlue® rate, etc
Electric double horn	•	Other displays: work mode, auto-idle
Engine shut-off switch	•	glow, rearview monitor, side view
Equipped with reinforced, tinted (Green color) glass windows	•	monitor, operating conditions, etc 35 languages selection
Evacuation hammer	•	
Floor mat	•	
Footrest	•	
Front window washer (2 points)	•	LIGHTS
Glove compartment	•	Additional boom LED light with cover
Hands-free calling device	•	Additional cab roof front 2 LED lights
Hot and cool box	•	Additional cab roof front 4 LED lights
Intermittent windshield wipers	•	Additional cab roof rear LED lights
Key cylinder light	•	LED lights for camera (side and rear
Laminated round glass window	•	view camera)
LED room light	•	2 working LED lights
Magazine rack	•	L
OPG front guard Level II (ISO10262 : 1998) compliant	0	
OPG top guard Level I (ISO10262 : 1998) compliant	0	UPPER STRUCTURE
OPG top guard Level II (ISO10262 : 1998) compliant	•	Aerial Angle® (270-degree view camera system)
Pilot shut-off lever	•	Batteries 2 x 147 Ah
Power outlet 12 V and 24 V	•	Body top handrail
Rain guard (without OPG front guard)	•	Counterweight 9 080 kg
Rear tray	•	Electrical grease pump with hose-
Retractable seat belt	•	reel
ROPS (ISO12117-2: 2008) compliant	•	Fuel level float
cab		Hydraulic oil level gauge
Rubber radio antenna	•	Ladder
Seat : air suspension seat with heater	•	Lockable fuel refilling cap
Seat adjustment part : backrest, armrest, height and angle, slide	•	Lockable machine covers
forward / back		Lockable tool box
Seat belt reminder	•	Platform handrail
Short wrist control levers	•	Sidewalk (cab side)
Smartphone holder	•	Skid-resistant plates and handrails
Sunscreen roller type (multi-use front	•	Swing parking brake
or side and rear window)		Undercover
Transparent roof with slide curtain	•	Utility space
USB power supply	•	2 way disconnect switch
Wide view wiper	•	Side view mirror (right and left)
Windows on front, upper, lower and left side can be opened	•	
2 speakers	•	

Push button low idle

SPECIFICATIONS

MEMO

UNDERCARRIAGE	ZX490LCH-7
Bolt-on sprocket	•
Full track guard	•
Reinforced track links with pin seals	•
Shoe: 600 mm double grouser	0
Shoe: 600 mm triple grouser	•
Shoe: 750 mm triple grouser	0
Shoe: 900 mm triple grouser	0
Track undercover	•
Travel direction mark on track frame	•
Travel motor covers	•
Travel parking brake	•
Upper and lower rollers	•
2 track guards (each side) and hydraulic track adjuster	•
4 tie down hooks	•

ATTACHMENTS

Breaker and crusher piping

Additional pump

Pilot accumulator

Assist piping

Accessories for 2 speed selector

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MISCELLANEOUS	ZX490LCH-7
ConSite	•
Global e-Service	•
Onboard information controller	•
Standard tool kit	•

FRONT ATTACHMENTS	ZX490LCH-7
Arm 2.9 m BE	0
Arm 3.4 m H	•
Boom 6.3 m BE	0
Boom 7.0 m H	•
Centralized lubrication system	•
Cylinder hose protectors arm	•
Cylinder hose protectors boom	•
Cylinder hose protectors bucket	•
Damage prevention plate and square bars	•
Dirt seal on all bucket pins	•
Flanged pin	•
Reinforced welded link A	•
Reinforced link B	•



Prior to operating this machine, including satellite communication system, in a country other than a country of its intended use, it may be necessary to make modifications to it so that it complies with the local regulatory standards (including safety standards) and legal requirements of that particular country. Please do not export or operate this machine outside the country of its intended use until such compliance has been confirmed. Please contact your Hitachi dealer in case of questions about compliance. These specifications are subject to change without notice. Illustrations and photos show the standard models, and may or may not include optional equipment, accessories, and all standard equipment with some differences in color and features. Before use, read and understand the Operator's Manual for proper operation.

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