

ZAXIS-6 series

HITACHI

Reliable solutions

ZAXIS530



HYDRAULIC EXCAVATOR

Model code : ZX530LCH-6

Engine rated power : 270kW (ISO14396/ISO9249)

Operating weight : 52 700 – 54 800 kg

Bucket ISO heaped : 1.3 – 2.5 m³

ZX530LCH-6. NO COMPROMISE

The ZX530LCH-6 has been created to offer the highest level of performance, but without compromising on the increasing demand for operational efficiency. Incorporating innovative and unique Hitachi technology, it delivers lower emissions and reduced running costs in response to demand from European contractors.

The large Zaxis-6 excavators reinforce Hitachi's reputation for the quality of its engineering and the durability of its products. The ZX530LCH-6 is the epitome of reliability, with incredibly versatile features that highlight its suitability for a variety of challenging working environments.



6. UNPARALLELED RELIABILITY



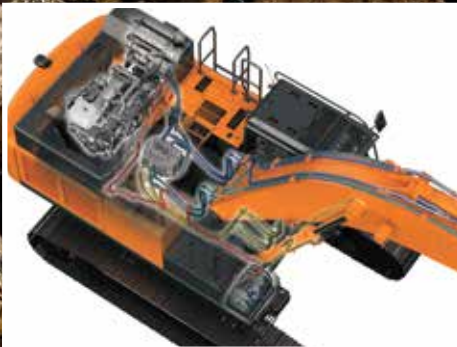
8. FORMIDABLE DURABILITY



10. POWERFUL VERSATILITY.



12. COMMITTED TO QUALITY



14. UNIQUE TECHNOLOGY

DEMAND PERFECTION

The Hitachi ZX530LCH-6 has been designed at one of the world's leading excavator factories to meet the specific needs of the European construction and quarrying industries. Developed to perfection using market-leading technology, it will deliver exceptional productivity at the lowest possible cost of ownership.



High quality

The best design elements and materials.



Improved visibility

Larger reflector enhances night-time visibility.



Lifetime reliability

Boom reinforced with thicker plates.



Ultimate durability

Larger undercarriage components protect against wear.





Optimum performance

Remote monitoring with Global e-Service online application.



User-friendly

Engine oil and coolant levels can be checked from the cab.



Fewer emissions

SCR system reduces NOx from exhaust gas.



Safety on deck

A larger handrail and reinforced platform enhance safety.



Low fuel consumption

6% fuel saving in PWR mode (5% in ECO mode).



Easy maintenance

Reversible fan reduces debris build-up.



Smaller environmental impact

95% of resin parts can be recycled.



Excellent efficiency

HIOS IIIB hydraulic system reduces fuel consumption and increases productivity.



Engine protection

Several engine parts have been changed to enhance reliability.



“ *They are reliable machines from a reliable company* ”

Edan Cohen, Site Manager,
AD Edan Hadash Earthmoving Contractors

UNPARALLELED RELIABILITY

Large-scale construction projects and busy quarries demand high levels of productivity and optimum availability. Like all Hitachi excavators, the ZX530LCH-6 can be relied upon to deliver an exceptional performance and ensure a profitable return on investment.

Reduced fuel contamination

The main fuel filter screws into place on the ZX530LCH-6. This ensures that dust is prevented from entering the fuel circuit during routine maintenance procedures. It is also easily replaced.

Minimal downtime

Using the monitor in the cab, operators can check engine oil and coolant levels, as well as set intervals for the automatic lubrication around the front of the machine.

Enhanced engine protection

A strengthened new injector increases the reliability of the engine. The sliding portion is coated with DLC (diamond-like carbon) and it has a strengthened inlet filter. A stronger blow-by hose also enhances reliability.

Improved fuel efficiency

A high-volume cooled EGR system recirculates some of the exhaust gas, reducing NOx and other pollutant emissions while maintaining a high engine output. This enables an efficient and reliable performance.

Efficient cooling

The expansion tank is mounted on top of the engine's cooling circuit, allowing the air inside the coolant to be completely removed. This helps to prevent engine parts from partially heating up.



Easy access for maintenance.



The main fuel filter is easier to replace.



The expansion tank prevents engine parts from overheating.



Reinforced boom and front attachment.



Improved performance derived from the fuel circuit.

i Hitachi excavators are evaluated extensively in job site conditions at the Hitachi test site on Hokkaido, the northernmost Japanese island, in temperatures ranging from -25°C to 35°C.



FORMIDABLE DURABILITY

With several decades of experience in manufacturing mechanical and hydraulic excavators, Hitachi has built a reputation for producing the most durable machines in the industry. The ZX530LCH-6 lives up to expectations, and has been designed to perform in the toughest working conditions.



Less filter cleaning is required thanks to the optional pre-cleaner.

Corrosion prevention

The radiator, oil cooler, inter cooler, air condenser and fuel cooler are all made of aluminium, which helps to protect these durable components against corrosion.

Reduced wear

The increased diameters of the upper and lower rollers, idlers and sprocket are now the same size as those of a 60-tonne excavator. This reduces the rotational speed in relation to the distance travelled, which results in a longer life for these components.

Reinforced boom

The boom of the ZX530LCH-6 has been reinforced with thicker plates. The upper plate of the H boom for example is now

25mm instead of 22mm. This increases the machine's durability for demanding construction sites and quarries.

Minimal maintenance

An optional pre-cleaner ensures that dust is discharged automatically, reducing the frequency of filter cleaning. The diesel oxidation catalyst (DOC) also requires little maintenance and a reversible fan reduces debris build-up to increase the machine's availability.

Enhanced fuel circuit

A high-performance water separator is integrated into the pre-filter of the ZX530LCH-6 for added protection against moisture.



“ *Hitachi is the number one manufacturer, especially for machines over 50 tonnes* ”

Alan Sparkes, co-owner, Kelston Sparkes

POWERFUL VERSATILITY

The ZX530LCH-6 is ideal for demanding working environments such as quarries and extensive construction projects. Used with different attachments, and suitable for both heavy loading and lighter operations such as grading, it offers the ultimate in versatility. Whatever the task, the Hitachi large excavator works quickly and efficiently to ensure a powerful performance.

Better visibility

The optional front guard of the cab has smaller and fewer bars in order to minimise blind spots. A larger reflector on the back of the ZX490LCH-6 improves the machine's visibility in low light or at night, so it can work safely for longer periods of time.

Increased force

With 30% greater traction force than the ZX490LCH-6, the ZX530LCH-6 also has increased steering force due to the shortened distance between the tumbler. This is particularly effective if the machine is required to travel uphill frequently.

Impressive performance

The speed of raising the boom when loading has increased by 3% (compared with the Zaxis-3 model), which boosts productivity.

The boom mode switch can be selected for power or comfort, depending on the task at hand.

Efficient operation

As well as heavy-duty work, the ZX530LCH-6 can also quickly complete lighter tasks such as grading and levelling, which highlights its versatility. Its maximum pump flow has been increased by 10% over the Zaxis-3 model.

Greater flexibility

The attachment replacement support system allows for the easy fitment of attachments, which increase the number of tasks that can be carried out by the ZX530LCH-6. A pressure adjustment feature controlled electronically also protects the attachments during installation.



More versatility with the easy fitment of attachments.



HITACHI



Easy and secure transportation with the new tie-down hooks.



Minimal blind spots improve visibility.



Superior weather resistance maintains the cab's internal appearance.



Urea is injected into the exhaust gas to reduce emissions.

i Comments from customers and Hitachi personnel are reported at monthly product improvement meetings, held at Tsuchiura Works in Japan, to help maintain quality standards.



COMMITTED TO QUALITY

The relentless pursuit of quality by Hitachi engineers is at the heart of the Zaxis large excavators' development. The new models not only keep pace with the latest emissions regulations, but also set new industry standards in terms of environmental performance, easy maintenance, comfort and safety. The ZX530LCH-6 is a result of the ongoing Hitachi commitment to manufacturing market-leading machines.

Reduced emissions

A selective catalytic reduction (SCR) system developed by Hitachi injects urea into exhaust gas to reduce NOx from emissions. This invaluable innovation not only helps the environment, but also complies with EU Stage IV emission regulations.

operation up to 90 degrees, providing quick and easy access for maintenance activities. The front guard also has a lock bar, which prevents it from closing unexpectedly.

Comfort

The interior of the spacious cab has been designed with comfort in mind. Features include a fully adjustable seat, ergonomic controls and a drinks holder that maintains the temperature of drinks using warm or cooled air from the air conditioning system.

Safety at work

The cab complies with TOPS and ROPS (tip-over and roll-over protective structure) and CRES V (centre pillar reinforced structure) safety regulations. It is pressurised to suppress the penetration of air and dust from the job site. The ZX530LCH-6 is also quieter during operation than the Zaxis-5 model.

Excellent weather resistance

The console in the cab has been made of durable AES-grade resin, which is resistant to colour changes caused by ultraviolet rays. This maintains the pristine appearance of the cab's interior for a longer period of time.

Easy maintenance

A new optional OPG front guard with a gas damper can be opened with a one-touch



Ergonomic controls contribute to the ultimate workspace.





“ Hitachi leads the way with the overall design of Zaxis excavators and its HIOS IIIB hydraulics system is second to none ”

Carl Christian Fon, owner, Carl C Fon



The HIOS IIIB hydraulic system consists of electrically controlled pumps and valves.

UNIQUE TECHNOLOGY

Hitachi engineers are responsible for developing unique advanced technology that gives Zaxis-6 large excavators a distinct advantage over other machines in the same class. It enables them to work reliably and efficiently – even in tough working conditions found in quarries and on large-scale construction sites – as well as reduce its environmental impact.

Saving fuel and costs

The HIOS IIIB hydraulic technology developed by Hitachi uses two pumps and control valves to reduce fuel consumption and cut costs. The ZX530LCH-6 can save up to 5% fuel in ECO mode (3% in HP), with the same level of productivity as the Zaxis-5 model.

Fast operation

HIOS IIIB has a positive impact on productivity due to the efficient swing, boom lowering, arm and bucket roll-out of the

ZX490LCH-6. The front speed during a single operation benefits from increased pump flow and reduced pressure loss of the hydraulic circuit.

Remote monitoring

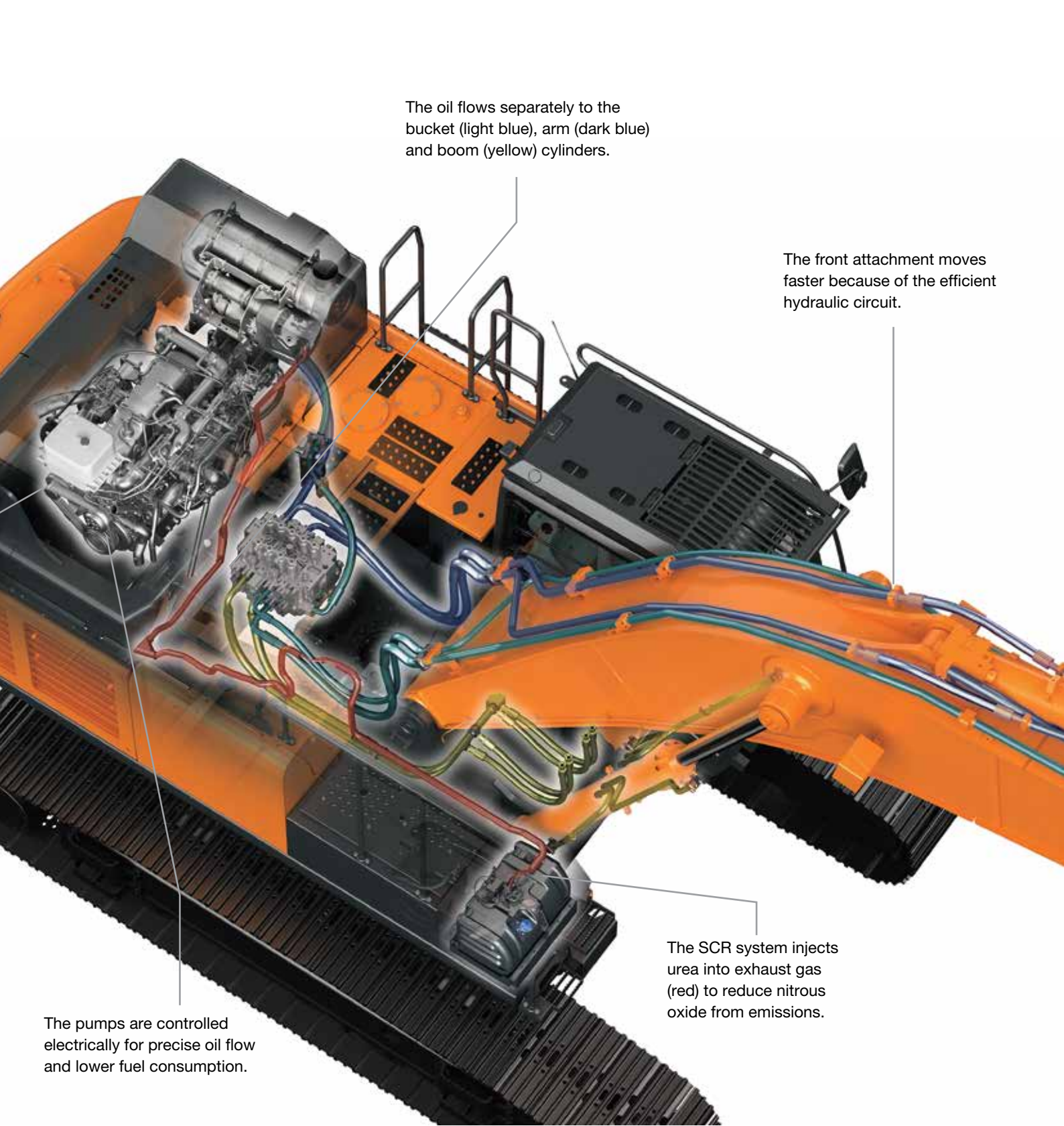
Global e-Service allows owners to monitor their ZX530LCH-6 remotely via Owner's Site (24/7 online access) and ConSite (an automatic monthly report). These help to maximise efficiency, minimise downtime and improve overall performance.

Fewer emissions

The after-treatment device helps to reduce emissions and noise levels. This advanced technology consists of a diesel oxidation catalyst (DOC), urea mixing pipe, SCR system and silencer.

Convenient updates

Operators can check the machine's status and settings – including engine oil and coolant levels – conveniently on the seven-inch multifunction LCD monitor. Multi-lingual support in 32 languages is available.



The oil flows separately to the bucket (light blue), arm (dark blue) and boom (yellow) cylinders.

The front attachment moves faster because of the efficient hydraulic circuit.

The pumps are controlled electrically for precise oil flow and lower fuel consumption.

The SCR system injects urea into exhaust gas (red) to reduce nitrous oxide from emissions.



The LCD monitor shows the machine's status and settings.



Reduced fuel consumption due to HIOS III B hydraulic technology.



The SCR system reduces emissions and noise levels.



“ We buy Hitachi excavators that offer value for money and top quality, supported by excellent after-sales support ”

Phillipe Sogno, General Manager, Scrasa SA

REDUCING THE TOTAL COST OF OWNERSHIP



SUPPORT CHAIN

Hitachi has created the Support Chain after-sales programme to ensure optimum efficiency, as well as minimal downtime, reduced running costs and high resale values.

Global e-Service

Hitachi has developed two remote monitoring systems as part of its Global e-Service online application. Owner's Site and ConSite are an integral part of the excavator, which sends operational data daily via GPRS or satellite to www.globaleservice.com. This allows immediate access to the Owner's Site, and the vital information that is required for support on job sites.

Comparing the ratio of operating and non-operating hours helps to enhance efficiency. Effective management of maintenance programmes helps to maximise availability.

Running costs can also be managed by analysing the fuel consumption. The location and movements of each machine are clearly displayed for essential planning.

An automatic service report – ConSite – sends a monthly email summarising the information from Global e-Service for each machine. This includes: daily working hours and fuel consumption data; statistics on the operating mode ratio, plus a comparison for fuel consumption/efficiency, and CO² emissions.

Technical support

Each Hitachi service technician receives full technical training from HCME in Amsterdam. These sessions provide access to the same technical knowledge available within the Hitachi quality assurance departments and design centres. Technicians combine this global expertise with the local language and culture of the customer to provide the highest level of after-sales support.

Extended warranty and service contracts

Every new Hitachi Zaxis-6 model is covered by a full manufacturer's warranty. For extra



Global e-Service



Technical support



Hitachi Parts

protection – due to severe working conditions or to minimise equipment repair costs – Hitachi dealers offer a unique extended warranty called HELP (Hitachi Extended Life Program) and comprehensive service contracts. These can help to optimise the performance of each machine, reduce downtime and ensure higher resale values.

Parts

Hitachi offers a wide range and a high availability of parts dispatched from the

53,000 m² HCME European Parts Depot in The Netherlands.

- Hitachi Genuine Parts: allow machines to work for longer, with lower running and maintenance costs.
- Hitachi Select Parts and 2Genuine Parts: especially for older machines, they cost less, are of proven quality and come with the manufacturer's warranty.
- Performance Parts: to cope with highly demanding conditions, they have been

engineered for greater durability, better performance or longer life.

- Remanufactured components: offering an economically viable solution, they are the best option when preventative replacements are required.

Whatever the choice, the renowned quality of Hitachi construction machinery is assured.



EH dump trucks



EX ultra-large excavators



ZW wheel loaders



“ We develop construction machinery that contributes to the creation of affluent and comfortable societies ”

Yuichi Tsujimoto, HCM President

BUILDING A BETTER FUTURE

Established in 1910, Hitachi, Ltd. was built upon a founding philosophy of making a positive contribution to society through technology. This is still the inspiration behind the Hitachi group's reliable solutions that answer today's challenges and help to create a better world.

Hitachi, Ltd. is now one of the world's largest corporations, with a vast range of innovative products and services. These have been created to challenge convention, improve social infrastructure and contribute to a sustainable society.

Hitachi Construction Machinery Co., Ltd. (HCM) was founded in 1970 as a subsidiary of Hitachi, Ltd. and has become one of the world's largest construction equipment suppliers. A pioneer in producing hydraulic excavators, HCM also manufactures wheel loaders, rigid dump trucks, crawler cranes and special application machines at state-of-the-art facilities across the globe.

Incorporating advanced technology, Hitachi construction machinery has a reputation for the highest quality standards. Suitable for a wide range of industries, it is always hard at

work around the world – helping to create infrastructure for a safe and comfortable way of living, developing natural resources and supporting disaster relief efforts.

Hitachi Zaxis excavators are renowned for being reliable, durable and versatile – capable of delivering the highest levels of productivity under the most challenging of conditions. They are designed to provide owners with a reduced total cost of ownership, and operators with the ultimate level of comfort and safety.



Mini excavators

SPECIFICATIONS

ENGINE

Model	Isuzu AQ-6UZ1X
Type	4-cycle water-cooled, common rail direct injection
Aspiration	Variable geometry turbocharged, intercooled, cooled EGR
Aftertreatment	DOC and SCR system
No. of cylinders	6
Rated power	
ISO 14396	270 kW at 2 000 min ⁻¹
ISO 9249, net	270 kW at 2 000 min ⁻¹
SAE J1349, net	270 kW at 2 000 min ⁻¹
Maximum torque	1 435 Nm at 1 500 min ⁻¹
Piston displacement	9.839 L
Bore and stroke	120 mm x 145 mm
Batteries	2 x 12 V / 170 Ah

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	34 L/min

Hydraulic Motors

Travel	2 variable displacement axial piston motors
Swing	2 axial piston motors

Relief Valve Settings

Implement circuit	31.9 MPa
Swing circuit	28.4 MPa
Travel circuit	35.3 MPa
Pilot circuit	3.9 MPa
Power boost	35.3 MPa

Hydraulic Cylinders

	Quantity	Bore	Rod diameter
Boom	2	170 mm	115 mm
Arm	1	190 mm	130 mm
Bucket	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	9.5 min ⁻¹
Swing torque	148 kNm

Operator's Cab

Independent spacious cab, 1 025 mm wide by 1 675 mm high, conforming to ISO* Standards.

* International Organization for Standardization

UNDERCARRIAGE

Tracks

Track shoes with triple grousers made of induction-hardened rolled alloy. Heat-treated connecting pins with dirt seals. Hydraulic (grease) track adjusters with shock-absorbing recoil springs.

Numbers of Rollers and Shoes on Each Side

Upper rollers	3
Lower rollers	8
Track shoes	49
Track guard	1

Travel Device

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

Automatic transmission system: High-Low.

Travel speeds	High : 0 to 4.4 km/h
	Low : 0 to 3.4 km/h

Maximum traction force

force	411 kN
-------------	--------

Gradeability	70% (35 degree) continuous
--------------------	----------------------------

SOUND LEVEL

Sound level in cab according to ISO 6396 LpA 71 dB(A)

External sound level according to ISO 6395 and

EU Directive 2000/14/EC LwA 107 dB(A)

SERVICE REFILL CAPACITIES

Fuel tank	675.0 L
Engine coolant	62.0 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
DEF/AdBlue® tank	95.0 L

WEIGHTS AND GROUND PRESSURE

Operating Weight and Ground Pressure

Bucket Capacity	Boom type	Arm type	Shoe grouser type	Shoe width	Operating weight	Ground pressure
2.1 m ³ Rock bucket (ISO heaped)	7.0 m H	3.4 m H	Double	600 mm	52 700 kg	93 kPa
			Triple	750 mm	53 700 kg	76 kPa
			Triple	900 mm	54 400 kg	64 kPa
2.3 m ³ Rock bucket (ISO heaped)	7.0 m H	2.9 m BE	Double	600 mm	52 700 kg	93 kPa
			Triple	750 mm	53 700 kg	76 kPa
			Triple	900 mm	54 400 kg	64 kPa
2.5 m ³ Rock bucket (ISO heaped)	6.3 m BE	2.5 m BE	Double	600 mm	53 000 kg	94 kPa
			Triple	750 mm	53 900 kg	76 kPa
			Triple	900 mm	54 600 kg	64 kPa
2.5 m ³ Rock bucket (ISO heaped)	6.3 m BE	2.9 m BE	Double	600 mm	52 800 kg	93 kPa
			Triple	750 mm	53 800 kg	76 kPa
			Triple	900 mm	54 500 kg	64 kPa
2.1 m ³ Rock bucket (ISO heaped)	7.0 m R	3.4 m R	Double	600 mm	52 800 kg	93 kPa
			Triple	750 mm	53 700 kg	76 kPa
			Triple	900 mm	54 500 kg	64 kPa
2.3 m ³ Rock bucket (ISO heaped)	7.0 m R	2.9 m BER	Double	600 mm	52 800 kg	93 kPa
			Triple	750 mm	53 700 kg	76 kPa
			Triple	900 mm	54 400 kg	64 kPa
2.5 m ³ Rock bucket (ISO heaped)	6.3 m BER	2.5 m BER	Double	600 mm	53 100 kg	94 kPa
			Triple	750 mm	54 000 kg	76 kPa
			Triple	900 mm	54 800 kg	64 kPa
2.5 m ³ Rock bucket (ISO heaped)	6.3 m BER	2.9 m BER	Double	600 mm	52 900 kg	93 kPa
			Triple	750 mm	53 900 kg	76 kPa
			Triple	900 mm	54 600 kg	64 kPa

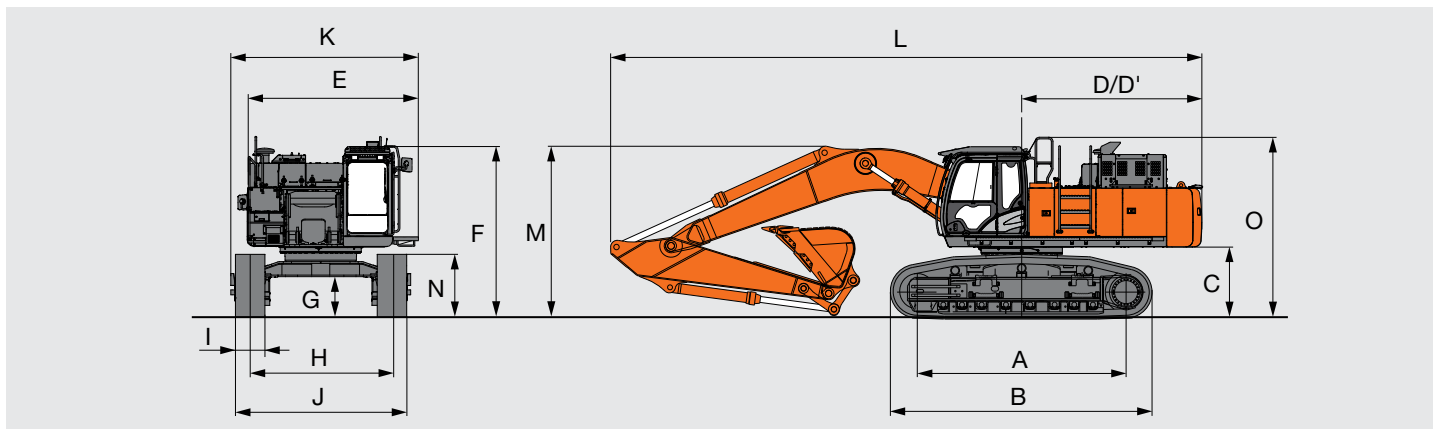
BUCKET AND ARM DIGGING FORCE

ZAXIS 530LCH				
Boom length	Boom 6.3 m BE / Boom 6.3 m BER		Boom 7.0 m H / Boom 7.0 m R	
Arm length	Arm 2.5 m BE / Arm 2.5 m BER	Arm 2.9 m BE / Arm 2.9 m BER	Arm 2.9 m BE / Arm 2.9 m BER	Arm 3.4 m H / Arm 3.4 m R
Bucket digging force* ISO	295 kN			296 kN
Bucket digging force* SAE : PCSA	266 kN			257 kN
Arm crowd force* ISO	302 kN	263 kN		224 kN
Arm crowd force* SAE : PCSA	294 kN	256 kN		215 kN

* At power boost

SPECIFICATIONS

DIMENSIONS



Unit: mm

		ZAXIS 530LCH ^{*2}		
A	Distance between tumblers	4 250		
B	Undercarriage length	5 330		
^{*1} C	Counterweight clearance	1 440		
D	Rear-end swing radius	3 670		
D'	Rear-end length	3 660		
E	Overall width of upperstructure	3 480		
F	Overall height of cab	3 520		
^{*1} G	Min. ground clearance	810		
H	Track gauge : Extended / Retracted	2 920 / 2 420		
I	Track shoe width	G 600		
J	Undercarriage width : Extended / Retracted	G 600	G 750	G 900
		3 520 / 3 020	3 670 / 3 170	3 820 / 3 590
K	Overall width	3 840		
L	Overall length	12 010		
M	Overall height of boom	3 500		
N	Track height	1 290		
O	Overall height of base machine	3 610		

^{*1} Excluding track shoe lug G: Grouser shoe

^{*2} Equipped with H-boom 7.0 m and H-arm 3.4 m

Backhoe Buckets

Capacity		Width		No. of teeth	Weight	Recommendation			
						ZAXIA 530LCH			
ISO heaped	CECE heaped	Without side cutters	With side cutters			Boom 6.3 m BE / Boom 6.3 m BER		Boom 7.0 m H / Boom 7.0 m R	
						Arm 2.5 m BE / Arm 2.5 m BER	Arm 2.9 m BE / Arm 2.9 m BER	Arm 2.9 m BE / Arm 2.9 m BER	Arm 3.4 m H / Arm 3.4 m R
^{*1} 1.9 m ³	1.7 m ³	1 480 mm	1 500 mm	5	2 070 kg	●	●	●	●
^{*1} 2.1 m ³	1.8 m ³	1 560 mm	1 580 mm	5	2 170 kg	●	●	●	●
^{*1} 2.3 m ³	2.0 m ³	1 680 mm	1 700 mm	5	2 260 kg	●	●	●	—
^{*1} 2.5 m ³	2.2 m ³	1 800 mm	1 820 mm	5	2 360 kg	●	●	—	—
^{*2} 1.3 m ³	1.2 m ³	1 170 mm	—	3	2 330 kg	●	●	●	●
One-point ripper				1	1 260 kg	●	●	●	●

^{*1} Rock bucket

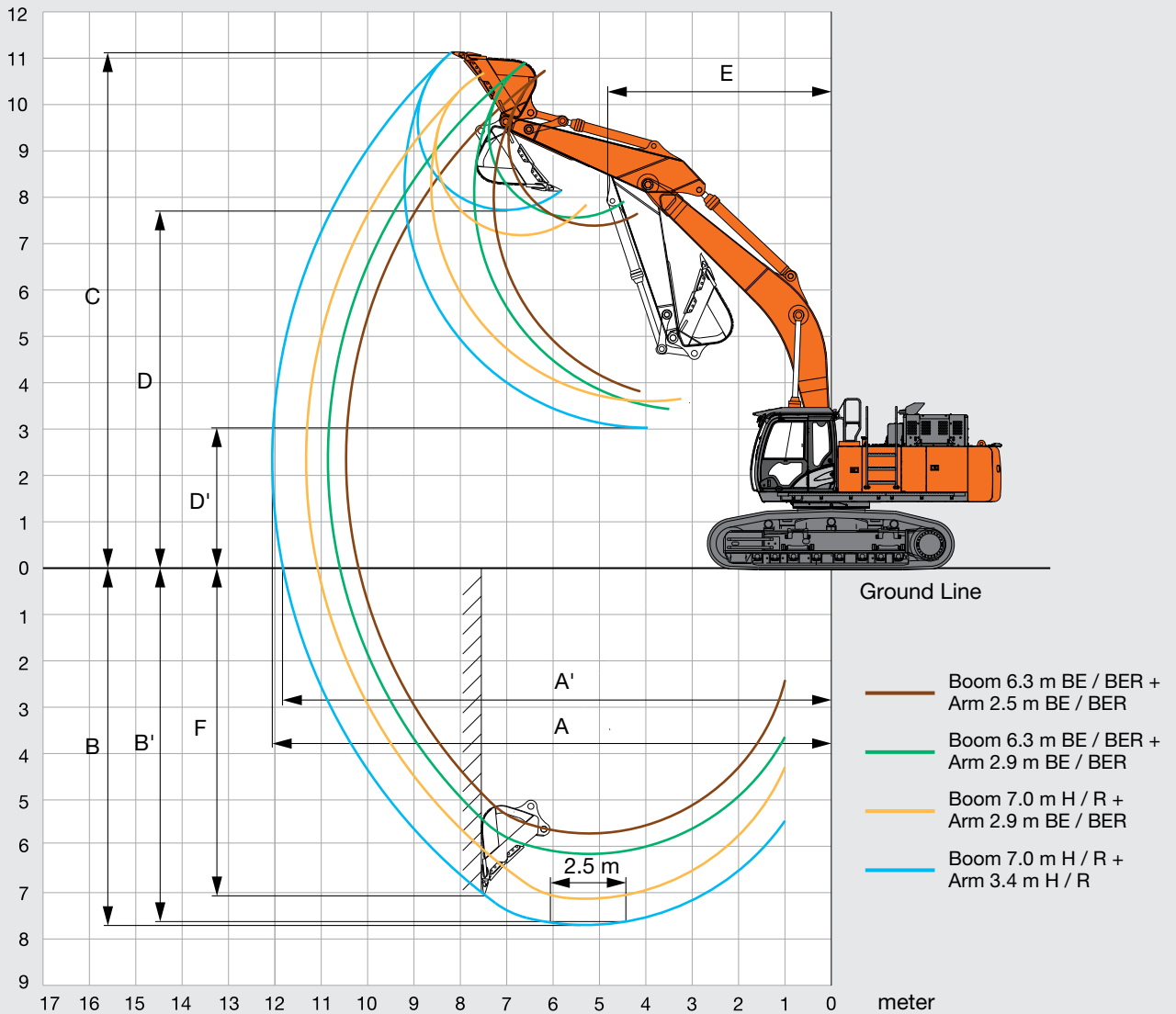
^{*2} Ripper bucket

● Heavy-duty service

— Not applicable

WORKING RANGES

meter



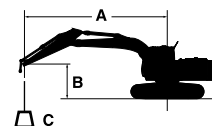
Unit: mm

Arm length	ZAXIS 530LCH			
	Boom 6.3 m BE / Boom 6.3 m BER		Boom 7.0 m H / Boom 7.0 m R	
	Arm 2.5 m BE / Arm 2.5 m BER	Arm 2.9 m BE / Arm 2.9 m BER	Arm 2.9 m BE / Arm 2.9 m BER	Arm 3.4 m H / Arm 3.4 m R
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 for 2.5 m 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
D' Min. dumping height	3 740	3 320	3 590	3 010
E Min. swing radius	4 090	3 930	5 020	4 840
F Max. vertical wall	4 180	4 570	4 200	7 030

Excluding track shoe lug

LIFTING CAPACITIES

- 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.













ZAXIS 530LCH

Rating over-front Rating over-side or 360 degrees Unit : kg

Conditions	Load point height m	Load radius										At max. reach		
		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		meter		
Boom 7.0 m H Arm 3.4 m H Counterweight 9 780 kg Shoe 600 mm	7.5							*11 560	*11 560			*7 630	*7 630	8.7
	6.0							*12 190	12 150	*10 840	9 070	*7 510	*7 510	9.4
	4.5			*20 720	*20 720	*15 750	*15 750	*13 240	11 740	*11 800	8 890	*7 620	7 610	9.9
	3.0			*23 560	23 400	*17 940	15 490	*14 420	11 270	*12 380	8 650	*7 940	7 220	10.1
	1.5			*15 310	*15 310	*19 560	14 790	*15 390	10 870	12 610	8 420	*8 510	7 100	10.1
	0 (Ground)			*18 350	*18 350	*20 220	14 390	*15 890	10 590	12 430	8 250	*9 430	7 260	9.9
	-1.5	*13 420	*13 420	*25 370	21 930	*19 860	14 240	*15 700	10 460	12 360	8 200	*10 920	7 740	9.4
	-3.0	*21 880	*21 880	*23 570	22 130	*18 430	14 300	*14 560	10 490			*11 830	8 720	8.7
-4.5	*24 580	*24 580	*19 660	*19 660	*15 520	14 570	*11 500	10 780			*11 440	10 750	7.5	
Boom 7.0 m H Arm 2.9 m BE Counterweight 9 780 kg Shoe 600 mm	7.5					*14 500	*14 500	*12 760	11 950			*10 970	9 370	8.7
	6.0			*22 300	*22 300	*16 500	16 040	*13 720	11 540	*12 180	8 740	*11 370	8 400	9.2
	4.5					*18 510	15 180	*14 770	11 090	*12 640	8 520	11 790	7 900	9.5
	3.0					*19 830	14 550	*15 580	10 720	12 510	8 320	11 630	7 760	9.5
	1.5			*19 660	*19 660	*20 120	14 230	*15 860	10 480	12 370	8 200	11 970	7 950	9.2
	0 (Ground)	*16 020	*16 020	*24 770	21 890	*19 400	14 160	*15 390	10 410			*12 810	8 570	8.7
	-1.5	*26 410	*26 410	*22 020	*22 020	*17 570	14 300	*13 790	10 520			*12 860	9 900	7.9
	-3.0			*17 560	*17 560	*13 940	*13 940					*12 360	*12 360	6.6
Boom 6.3 m BE Arm 2.9 m BE Counterweight 9 780 kg Shoe 600 mm	7.5					*13 920	*13 920					*7 900	*7 900	7.2
	6.0					*14 800	*14 800	*13 510	12 040			*7 680	*7 680	8.1
	4.5			*21 070	*21 070	*16 530	16 480	*14 210	11 740			*7 780	*7 780	8.6
	3.0			*25 290	23 890	*18 500	15 680	*15 150	11 350			*8 160	*8 160	8.9
	1.5			*27 580	22 720	*19 970	15 020	*15 900	11 000			*8 890	8 660	8.9
	0 (Ground)			*27 520	22 310	*20 450	14 630	*16 110	10 760			*10 120	8 930	8.6
	-1.5	*24 230	*24 230	*25 800	22 310	*19 680	14 530	*15 310	10 710			*12 300	9 760	8.1
	-3.0	*28 510	*28 510	*22 370	*22 370	*17 250	14 690					*13 550	11 610	7.2
Boom 6.3 m BE Arm 2.5 m BE Counterweight 9 780 kg Shoe 600 mm	7.5					*14 580	*14 580					*12 200	*12 200	6.8
	6.0					*15 330	*15 330	*13 970	11 840			*11 810	11 160	7.8
	4.5			*21 990	*21 990	*16 980	16 230	*14 520	11 570			*11 950	9 800	8.3
	3.0					*18 820	15 440	*15 340	11 200			*12 530	9 150	8.6
	1.5					*20 090	14 830	*15 950	10 870			13 510	8 990	8.6
	0 (Ground)			*27 030	22 170	*20 300	14 510	*15 960	10 670			*14 040	9 300	8.3
	-1.5			*24 910	22 260	*19 220	14 460	*14 790	10 680			*14 040	10 260	7.7
	-3.0			*21 050	*21 050	*16 270	14 700					*13 560	12 460	6.8

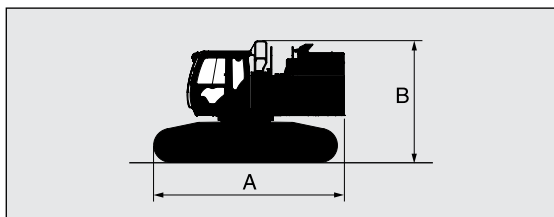
ZAXIS 530LCH

 Rating over-front  Rating over-side or 360 degrees Unit : kg

Conditions	Load point height m	Load radius										At max. reach		
		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				meter
														
Boom 7.0 m R Arm 3.4 m R Counterweight 9 780 kg Shoe 600 mm	7.5							*11 440	*11 440			*7 590	*7 590	8.7
	6.0							*12 060	12 050	*10 800	8 970	*7 460	*7 460	9.4
	4.5			*20 540	*20 540	*15 600	*15 600	*13 100	11 630	*11 660	8 780	*7 570	7 510	9.9
	3.0			*23 540	23 190	*17 760	15 340	*14 270	11 150	*12 240	8 540	*7 890	7 110	10.1
	1.5			*15 270	*15 270	*19 360	14 620	*15 230	10 730	12 490	8 300	*8 460	6 990	10.1
	0 (Ground)			*18 310	*18 310	*20 010	14 210	*15 710	10 440	12 310	8 130	*9 380	7 140	9.9
	-1.5	*13 380	*13 380	*25 340	21 680	*19 650	14 060	*15 520	10 310	12 240	8 070	*10 870	7 620	9.4
	-3.0	*21 840	*21 840	*23 320	21 890	*18 230	14 120	*14 390	10 350			*11 670	8 600	8.7
	-4.5	*24 270	*24 270	*19 420	*19 420	*15 330	14 410	*11 340	10 650			*11 290	10 620	7.5
Boom 7.0 m R Arm 2.9 m BER Counterweight 9 780 kg Shoe 600 mm	7.5					*14 410	*14 410	*12 680	11 880			*10 950	9 310	8.7
	6.0			*22 160	*22 160	*16 390	15 950	*13 620	11 470	*12 090	8 670	*11 350	8 330	9.2
	4.5					*18 390	15 070	*14 670	11 010	*12 540	8 450	11 720	7 830	9.5
	3.0					*19 690	14 430	*15 460	10 620	12 430	8 240	11 560	7 680	9.5
	1.5			*19 650	*19 650	*19 970	14 110	*15 740	10 380	12 290	8 120	11 900	7 870	9.2
	0 (Ground)	*16 000	*16 000	*24 590	21 720	*19 250	14 040	*15 270	10 310			*12 710	8 480	8.7
	-1.5	*26 180	*26 180	*21 840	*21 840	*17 430	14 180	*13 670	10 430			*12 750	9 810	7.9
	-3.0			*17 400	*17 400	*13 810	*13 810					*12 240	*12 240	6.6
Boom 6.3 m BER Arm 2.9 m BER Counterweight 9 780 kg Shoe 600 mm	7.5					*13 850	*13 850					*7 880	*7 880	7.2
	6.0					*14 720	*14 720	*13 430	11 980			*7 660	*7 660	8.1
	4.5			*20 990	*20 990	*16 440	16 420	*14 120	11 680			*7 760	*7 760	8.6
	3.0			*25 200	23 820	*18 410	15 610	*15 050	11 280			*8 140	*8 140	8.9
	1.5			*27 480	22 640	*19 880	14 940	*15 810	10 920			*8 860	8 590	8.9
	0 (Ground)			*27 410	22 220	*20 350	14 560	*16 010	10 690			*10 090	8 860	8.6
	-1.5	*24 110	*24 110	*25 690	22 230	*19 580	14 450	*15 220	10 640			*12 270	9 690	8.1
-3.0	*28 400	*28 400	*22 270	*22 270	*17 150	14 610					*13 450	11 530	7.2	
Boom 6.3 m BER Arm 2.5 m BER Counterweight 9 780 kg Shoe 600 mm	7.5					*14 520	*14 520					*12 190	*12 190	6.8
	6.0					*15 260	*15 260	*13 890	11 790			*11 790	11 100	7.8
	4.5			*21 880	*21 880	*16 890	16 160	*14 430	11 510			*11 930	9 740	8.3
	3.0					*18 720	15 360	*15 250	11 130			*12 510	9 080	8.6
	1.5					*19 980	14 730	*15 860	10 790			13 440	8 920	8.6
	0 (Ground)			*26 880	22 030	*20 180	14 400	*15 860	10 600			*13 950	9 230	8.3
	-1.5			*24 770	22 120	*19 100	14 360	*14 690	10 600			*13 940	10 190	7.7
-3.0			*20 920	*20 920	*16 160	14 610					*13 470	12 380	6.8	

TRANSPORTATION

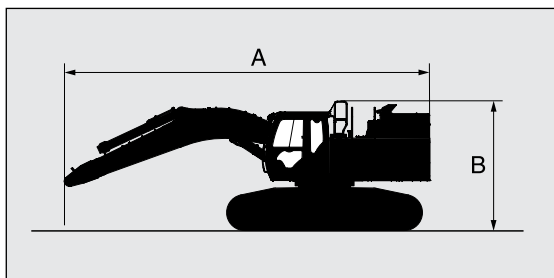
BASIC MACHINE (WITHOUT COUNTERWEIGHT)



Shoe width	A	B	Overall width ¹	Weight
600 mm	5 620 mm	3 610 mm	3 020 mm	32 200 kg
750 mm			3 170 mm	32 500 kg
900 mm			3 590 mm	33 200 kg

¹ Undercarriage retracted

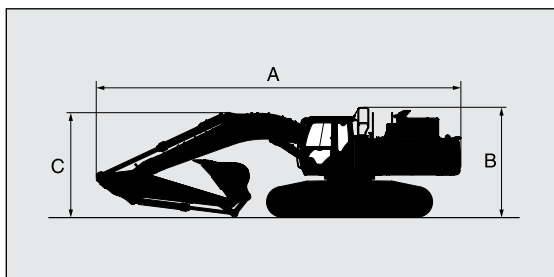
BASIC MACHINE FITTED WITH BOOM AND NO SIDEWALK



Boom length	Shoe width	A	B	Overall width ¹	Weight
6.3 m BE	600 mm	9 150 mm	3 610 mm	3 020 mm	40 100 kg
	750 mm			3 170 mm	40 300 kg
	900 mm			3 590 mm	50 000 kg
7.0 m H	600 mm	9 910 mm	3 610 mm	3 020 mm	40 000 kg
	750 mm			3 170 mm	40 200 kg
	900 mm			3 590 mm	40 900 kg

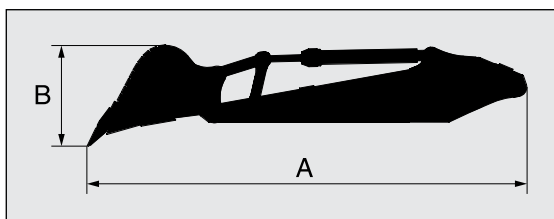
¹ Undercarriage retracted

BASIC MACHINE FITTED WITH FRONT AND SIDEWALK



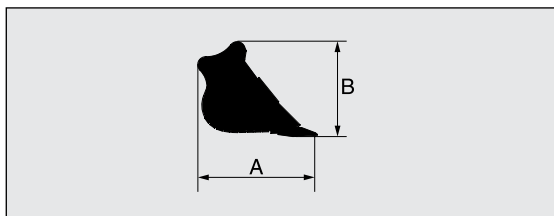
Boom length	6.3 m BE		7.0 m H	
	2.5 m BE	2.9 m BE	2.9 m BE	3.4 m H
A	11 660 mm	11 320 mm	12 100 mm	12 010 mm
B	3 610 mm			
C	4 100 mm	3 980 mm	3 500 mm	3 500 mm

ARM AND BUCKET



Arm	Bucket		A	B	Overall width	Weight
	ISO heaped	CECE heaped				
2.5 m BE	2.5 m ³	2.2 m ³	5 650 mm	1 470 mm	1 820 mm	5 000 kg
2.9 m BE	2.3 m ³	2.0 m ³	6 030 mm	1 340 mm	1 700 mm	4 800 kg
3.4 m H	1.9 m ³	1.7 m ³	6 370 mm	1 470 mm	1 500 mm	4 800 kg
2.5 m BER	2.5 m ³	2.2 m ³	5 650 mm	1 470 mm	1 820 mm	5 110 kg
2.9 m BER	2.3 m ³	2.0 m ³	6 030 mm	1 340 mm	1 700 mm	4 780 kg
3.4 m R	1.9 m ³	1.7 m ³	6 370 mm	1 470 mm	1 500 mm	4 980 kg

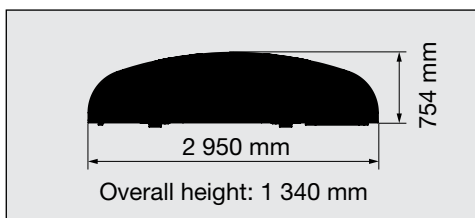
BUCKET



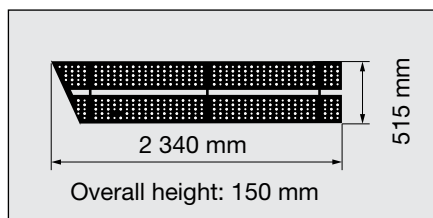
Rock bucket

	Bucket		A	B	Overall width	Weight
	ISO heaped	CECE heaped				
1.9 m ³	1.7 m ³	2 030 mm	1 480 mm	1 500 mm	2 070 kg	
2.1 m ³	1.8 m ³	1 950 mm	1 650 mm	1 580 mm	2 170 kg	
2.3 m ³	2.0 m ³	1 950 mm	1 650 mm	1 700 mm	2 260 kg	
2.5 m ³	2.2 m ³	1 950 mm	1 650 mm	1 820 mm	2 360 kg	

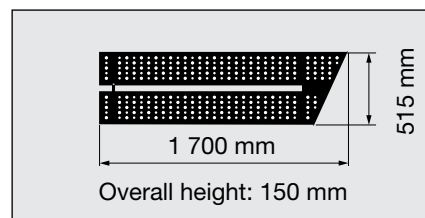
COUNTERWEIGHT 9 780 kg



LEFT FRONT SIDEWALK 44 kg



LEFT REAR SIDEWALK 30 kg



EQUIPMENT

● : Standard equipment

○ : Optional equipment

ENGINE

Aftertreatment device	●
Air cleaner double filters	●
Alternator 50 A	●
Auto idle system	●
Auto shut-down control	●
Cartridge-type engine oil filter	●
Cartridge-type fuel main filter	●
DEF/AdBlue® tank inlet strainer and extension filter	●
DEF/AdBlue® tank with ISO magnet adapter	●
Dry-type air filter with evacuator valve (with air filter restriction indicator)	●
Dust-proof net	●
Electrical fuel feed pump	●
Engine oil drain coupler	●
Expansion tank	●
Fan guard	●
Fuel cooler	●
Fuel pre-filter	●
Isolation-mounted engine	●
Maintenance free pre-cleaner	○
Power mode control [H/P (High Power) PWR (Power) ECO (Economy)]	●
Radiator, oil cooler and intercooler	●
Water separator	●

HYDRAULIC SYSTEM

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

CAB

All-weather sound suppressed steel cab	●
AM-FM radio	●
Ashtray	●
Auto control air conditioner	●
AUX terminal and storage	●
Cigarette lighter 24 V	●
Drink holder with hot & cool function	●
Electric double horn	●
Engine shut-off switch	●
Equipped with reinforced, tinted (green color) glass windows	●
Evacuation hammer	●
Fire extinguisher bracket	○
Floor mat	●
Footrest	●
Front window washer	●
Glove compartment	●
Hot & cool box	●
Intermittent windshield wipers	●
Key cylinder light	●
Laminated round glass front window	●
LED room light with door courtesy	●
OPG front guard Level II (ISO10262) compliant cab	○
OPG top guard Level II (ISO10262) compliant cab	●
Pilot control shut-off lever	●
Power outlet 12 V	○
Rain guard	○
Rear tray	●
Retractable seat belt	●
Rubber radio antenna	●
Seat : air suspension seat with heater	●
Seat adjustment part : backrest, armrest, height and angle, slide forward / back	●
Short wrist control levers	●
Sun visor (front window/side window)	○
Transparent roof with slide curtain	●
Windows on front, upper, lower and left side can be opened	●
2 speakers	●
6 fluid-filled elastic mounts	●

MONITOR SYSTEM

Alarms: overheating, engine warning, engine oil pressure, alternator, minimum fuel level, hydraulic filter restriction, air filter restriction, work mode, overload, SCR system trouble, etc	●
Alarm buzzers: overheating, engine oil pressure, overload, SCR system trouble	●
Display of meters: water temperature, hour, fuel rate, clock, DEF/AdBlue® rate	●
Other displays: work mode, auto-idle, glow, rearview monitor, operating conditions, etc	●
32 languages selection	●

LIGHTS

Additional boom light with cover	○
Additional cab roof front lights	○
Additional cab roof rear lights	○
Rotating lamp	○
2 working lights	●

UPPER STRUCTURE

Batteries 2 x 170 Ah	●
Battery disconnect switch	●
Body top handrail	●
Counterweight 9 780 kg	●
Electric fuel refilling pump with auto stop and filter	●
Electrical grease pump with hose-reel	●
Fuel level float	●
Hydraulic oil level gauge	●
Ladder	●
Lockable fuel refilling cap	●
Lockable machine covers	●
Lockable tool box	●
Platform handrail	●
Rear view camera	●
Rear view mirror (right & left side)	●
Sidewalk (cab side)	●
Skid-resistant plates and handrails	●
Swing parking brake	●
Undercover	●
Utility space	●

UNDERCARRIAGE

Bolt-on sprocket	●
Reinforced track links with pin seals	●
Shoe: 600 mm double grouser	●
Shoe: 750 mm triple grouser	○
Shoe: 900 mm triple grouser	○
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	●

FRONT ATTACHMENTS

Arm 2.5 m BE	○
Arm 2.5 m BER	○
Arm 2.9 m BE	○
Arm 2.9 m BER	○
Arm 3.4 m H	●
Arm 3.4 m R	○
Boom 6.3 m BE	○
Boom 6.3 m BER	○
Boom 7.0 m H	●
Boom 7.0 m R	○
Centralized lubrication system	●
Damage prevention plate and square bars	●
Dirt seal on all bucket pins	●
Flanged pin	●
Reinforced welded link A	●
Reinforced link B	●

ATTACHMENTS

Accessories for breaker	○
Accessories for breaker & crusher	○
Accessories for 2 speed selector	○
Attachment basic piping	○

MISCELLANEOUS

Global e-Service	●
Onboard information controller	●
Standard tool kit	●
Theft prevention system*	○

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

* Hitachi Construction Machinery cannot be held liable for theft, any system will just minimize the risk of theft.

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.

