

**ZAXIS-6 series**

**HITACHI**

**Reliable solutions**

# **ZAXIS240<sub>N</sub>**



## **HYDRAULIC EXCAVATOR**

**Model code :** ZX240N-6

**Engine rated power :** 128.4 kW (ISO14396)

**Operating weight :** 23 100 – 23 800 kg

**Bucket ISO heaped :** 0.51 – 1.20 m<sup>3</sup>



# ZX240N-6. NO COMPROMISE

The ZX240N-6 is the ultimate excavation machine. This innovative model incorporates unique Hitachi technology, specially developed for the Zaxis-6 medium excavator range, and delivers the highest level of performance without compromising on operational efficiency.

Reinforcing Hitachi's reputation for high-quality engineering and durable machines, the ZX240N-6 is exceptionally reliable. Suitable for a wide range of industry solutions and particularly suited for transport on narrow roads, it is also incredibly versatile.



6. EXCEPTIONAL RELIABILITY



8. DRIVEN BY DURABILITY



10. OUTSTANDING VERSATILITY





**12. SUPERIOR QUALITY**



**14. UNIQUE TECHNOLOGY**



# DEMAND PERFECTION

The ZX240N-6 has been designed for the specific needs of the European construction industry. Hitachi engineers at the world's biggest excavator factory in Japan have developed this model to perfection, using market-leading technology to deliver exceptional productivity at the lowest possible cost of ownership.



## **Optimum performance**

Remote monitoring with Global e-Service online application.



## **High quality**

Only the best design elements and materials.



## **Incredible versatility**

Tilt and rotary tilt modes complete the attachment support system.



## **Lifetime reliability**

Reliable components help to prevent oil leaks.



## **Ultimate durability**

Redesigned lower roller reduces risk of damage.



**User-friendly**

Safety comes first with handrails and a reinforced safety platform.

**Low emissions**

SCR system reduces NOx from exhaust gas.

**Low fuel consumption**

8% fuel saving in ECO mode (6% in PWR mode).

**Excellent efficiency**

TRIAS II system reduces total hydraulic loss.

**Engine protection**

High performance and large-capacity fuel circuit.

**Easy maintenance**

Convenient and wide-opening engine cover.



*“ I turn the key and  
it works, without  
a problem ”*

Frédéric Savioz, co-owner, Savioz-Héritier

## EXCEPTIONAL RELIABILITY

Hitachi Zaxis-6 medium excavators can be relied upon for their performance on a wide range of demanding job sites, all day, every day. Built with reliable components, and easy to maintain features, the ZX240N-6 achieves optimum levels of availability and delivers a profitable return on investment.

### **Easy maintenance**

The engine cover can be conveniently opened up fully from the platform. This provides easy access to the engine compartment and other components for routine maintenance.

### **Durable hydraulic connection**

A rubber hose fitted with a flange has been incorporated into the design of the hydraulic return pipes. These enhance the reliability of the system and reduce the risk of oil leaks.

### **User-friendly fuel filter**

The main fuel filter screws into place on the ZX240N-6. This makes it easier to replace and ensures that dust is prevented from entering the fuel circuit during routine maintenance procedures.

### **More efficient cooling**

The expansion tank is mounted on top of the engine's cooling system. This revised position means that the air can be completely removed and prevents the engine parts from overheating.



Easy access to the engine compartment.





The main fuel filter is easier to replace.



The expansion tank prevents engine parts from overheating.





Redesigned lower roller prevents mud entering and causing damage.



Improved performance derived from the fuel circuit.



**i** Hitachi's stringent durability tests include an excavating and operating assessment (from 1,000 to more than 10,000 hours) and a 24-hour swing test with a remote controlled machine.



# DRIVEN BY DURABILITY

Designed and engineered to operate in the most challenging environments, the ZX240N-6 is a highly durable machine. The Zaxis-6 medium excavator range has been developed by Hitachi using several decades' experience of manufacturing mechanical and hydraulic excavators, and will continue to lead the field in terms of durability and reliability.



## Durable design

The lower roller of the ZX240N-6 has been redesigned to prevent mud from entering and causing damage to the oil seal. This enhances the long-term durability of the machine.

## Enhanced fuel circuit

A high performance water separator and cold fuel resistance valve are integrated into the pre-filter for added protection against moisture. In addition, a large capacity electric fuel pump supplies an appropriate amount of fuel to the engine for an improved performance.

## Engine protection

The combustion chamber is made from stronger materials and the revised shape of

the piston is designed to achieve cleaner emissions. These features will further enhance the reliability of the engine.

## Oil leak prevention

The O-rings on the control valve and swing motor are made from fluorine. This highly durable material withstands high oil temperatures and reinforces the parts' reliability to prevent oil leaks.

## Reinforced platform

The covers on the platform walkway have been reinforced. This adds to the high-quality and safe working environment, which provides peace of mind for the operator.



Reinforced for safer working environment.





*“ They are the operator’s first choice because they are great to drive ”*

Vernon Creed, Works Manager, MJ Church

## OUTSTANDING VERSATILITY

Hitachi Zaxis-6 medium excavators are a popular choice for a wide range of construction applications. Suitable for working with a variety of attachments, the ZX240N-6 is powerful, smooth and precise. Its versatility is enhanced by a narrow undercarriage that makes it easy to transport on smaller roads.

### Greater flexibility

The rotary tilt and tilt modes are included within the attachment support system on the ZX240N-6. These and nine other modes can be registered on the monitor for the easy fitment of attachments to increase versatility.

### Power boost

The tried-and-tested power-boost feature has 10% more capacity than the ZX240N-3. This increases the capability of the ZX240N-6 to deliver an enhanced level of excavating performance and lifting power.

### Better visibility

There are fewer bars on the optional front guard and those remaining are reduced in size – yet retain their rigidity. This helps to minimise any blind spots and improves the operator’s visibility.

### Machine performance

The ZX240N-6 is equipped with two extra spools in the control valve. This increases versatility by making it easier to install attachments that require multiple, large volumes of oil and on two-piece boom models.



Two tilt modes add to the versatility of the ZX240N-6.





HITACHI

240



Power boost has 10% more capacity.



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.



# SUPERIOR QUALITY

The Hitachi name is synonymous with quality. Every excavator produced at the Tsuchiura Works factory in Japan – the largest facility of its kind in the world – reflects the company's commitment to manufacturing machines with the highest possible standards of performance, reliability and safety.

## Superior cooling performance

The upper structure benefits from high-quality sealant (around the cooling package) and acoustic materials to eliminate any deterioration caused by heat. These ensure the long-term cooling and low-noise acoustic performance of the ZX240N-6.

## Excellent weather resistance

The cab console has been sculpted in highly durable AES-grade resin. This ensures superior weather resistance and ultimately prevents the sun's ultraviolet rays from damaging the console.

## Reduced emissions

Hitachi has developed a selective catalytic reduction (SCR) system that injects urea into exhaust gas to reduce nitrogen

oxide from emissions. This cutting-edge technology not only helps the environment, but also complies with EU Stage IV emission regulations.

## Ultimate comfort

A fully adjustable seat, spacious cab, ergonomic controls and advanced music system all contribute to the ultimate working environment.

## Safety at work

The ZX240N-6 has been fitted with a high-spec rollover protective structure-compliant (ROPS) and centre pillar reinforced structure (CRES V) cab. The pressurised cab is designed to protect the operator from the penetration of dust and potential job site risks.



Ergonomic controls contribute to the ultimate workspace.

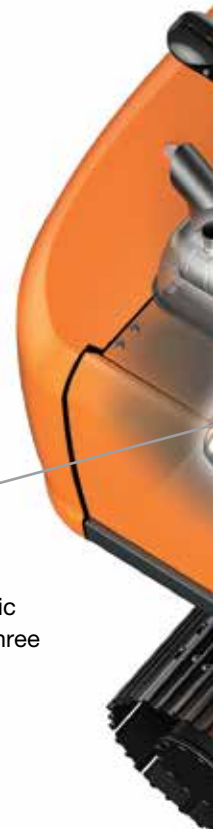






*“The ZX240N-6 is fast and precise, thanks to the efficiency of the hydraulic system”*

Burkhard Janssen, General Manager Product Management & Engineering, Hitachi Construction Machinery (Europe) NV



The TRIAS II hydraulic system consists of three pumps and valves.

## UNIQUE TECHNOLOGY

Hitachi takes a highly technological approach towards the development of its construction machinery. As a result, the Zaxis-6 medium excavator range is designed with innovative features and exceptional capabilities to meet the ever-changing needs of its customers.

### **Saving fuel and costs**

Hydraulic loss is decreased by TRIAS II technology. It reduces the hydraulic oil returned to the tank due to the cooperative control of the pump and valve. This helps to lower fuel consumption by 8% in ECO mode with the same productivity.

### **User-friendly functionality**

A large seven-inch multi-function LCD monitor provides a wide range of useful technical information. With multi-lingual support in up to 32 languages, it enables operators to check the machine's status and settings at a glance.

### **Remote monitoring**

Global e-Service allows owners to monitor their fleets 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.

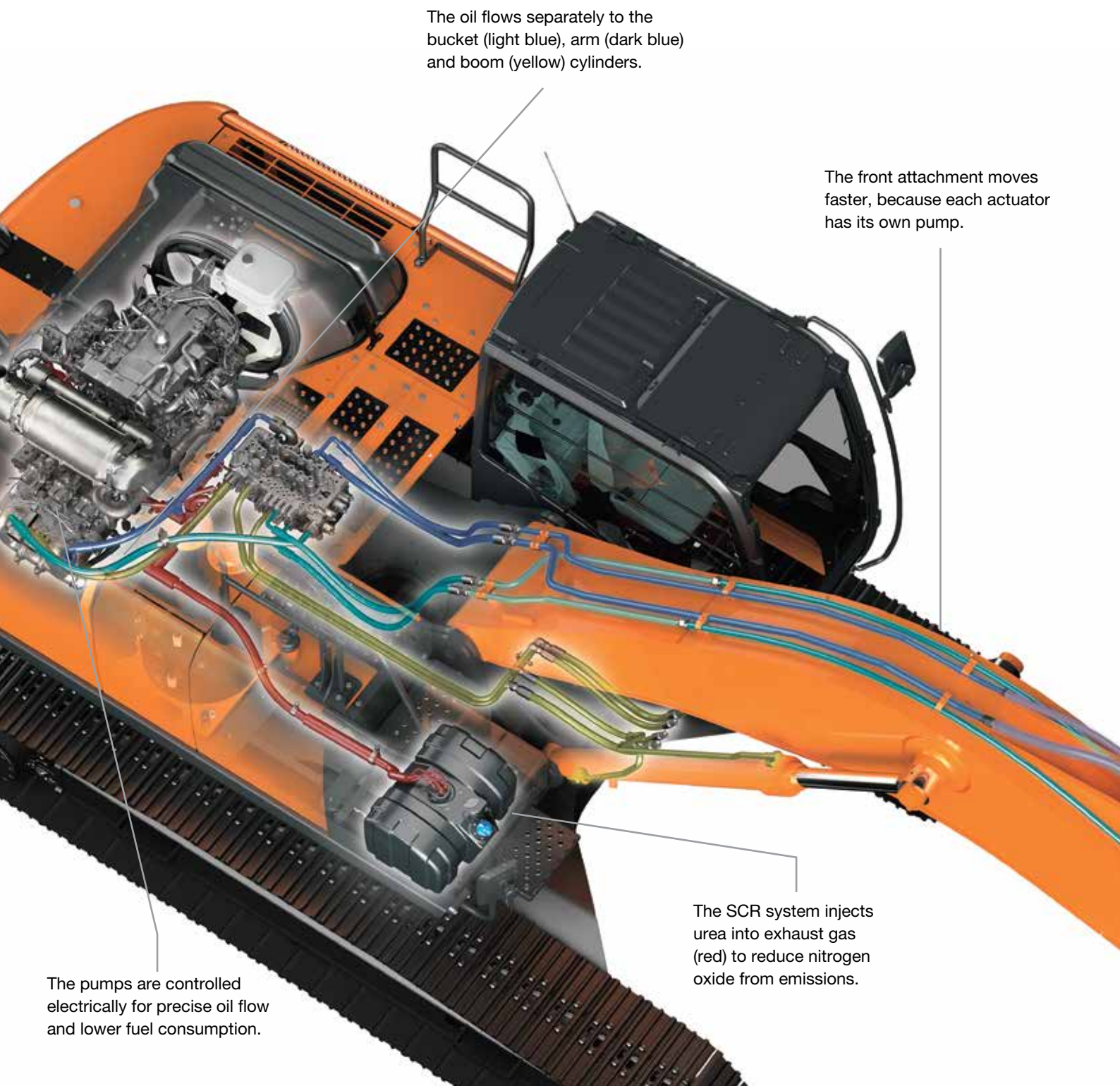
### **Fewer emissions**

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

### **Advanced audio system**

The AM/FM radio is accessible from the monitor and an auxiliary socket – for devices such as MP3 players – is linked to the sound system. This choice of entertainment helps to provide an enjoyable – and productive – working environment.





8% lower fuel consumption in ECO mode with TRIAS II.



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



The SCR system reduces emissions and noise levels.





“ *The total cost of ownership is of maximum benefit to our company* ”

Peter Kögel, Member of the Management Board,  
Kögel Bau GmbH & Co. KG

## REDUCING THE TOTAL COST OF OWNERSHIP



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](http://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 CO<sub>2</sub> 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





Global e-Service



Technical support



Hitachi Parts

extra 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 m<sup>2</sup> 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 AR-4HK1X
Type .....	4-cycle water-cooled, common rail direct injection
Aspiration .....	Variable geometry turbocharged, intercooled, cooled EGR
Aftertreatment .....	DOC and SCR system
No. of cylinders .....	4
Rated power	
ISO 14396 .....	128.4 kW at 2 000 min <sup>-1</sup>
ISO 9249, net .....	122 kW at 2 000 min <sup>-1</sup>
SAE J1349, net .....	122 kW at 2 000 min <sup>-1</sup>
Maximum torque .....	670 Nm at 1 600 min <sup>-1</sup>
Piston displacement .....	5.193 L
Bore and stroke .....	115 mm x 125 mm
Batteries .....	2 x 12 V / 126 Ah

## HYDRAULIC SYSTEM

### Hydraulic Pumps

Main pumps .....	3 variable displacement axial piston pumps
Maximum oil flow .....	2 x 212 L/min 1 x 189 L/min
Pilot pump .....	1 gear pump
Maximum oil flow .....	33.6 L/min

### Hydraulic Motors

Travel .....	2 variable displacement axial piston motors
Swing .....	1 axial piston motor

### Relief Valve Settings

Implement circuit .....	34.3 MPa
Swing circuit .....	32.4 MPa
Travel circuit .....	35.5 MPa
Pilot circuit .....	3.9 MPa
Power boost .....	38.0 MPa

### Hydraulic Cylinders

	Quantity	Bore	Rod diameter
Boom	2	120 mm	85 mm
Arm	1	135 mm	95 mm
Bucket	1	115 mm	80 mm
Positioning *	1	150 mm	100 mm

\* : For 2-piece boom

## UPPERSTRUCTURE

### Revolving Frame

D-section frame for resistance to deformation.

### Swing Device

Axial piston motor with planetary reduction gear is bathed in oil. Swing circle is single-row. Swing parking brake is spring-set/hydraulic-released disc type.

Swing speed .....	11.8 min <sup>-1</sup>
Swing torque .....	68 kNm

### Operator's Cab

Independent spacious cab, 1 005 mm wide by 1 675 mm high, conforming to ISO\* Standards.

\* International Organization for Standardization

## UNDERCARRIAGE

### Tracks

Tractor-type undercarriage. Welded track frame using selected materials. Side frame welded to track frame. Lubricated track rollers, idlers, and sprockets with floating seals. Track shoes with triple grousers made of induction-hardened rolled alloy. Heat-treated connecting pins with dirt seals. Hydraulic (grease) track adjusters with shock-absorbing recoil springs.

### Numbers of Rollers and Shoes on Each Side

Upper rollers .....	2
Lower rollers .....	8
Track shoes .....	47
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 Low : 0 to 3.5 km/h
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Maximum traction force .....	203 kN
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Gradeability .....	70% (35 degree) continuous
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## SOUND LEVEL

Sound level in cab according to ISO 6396 ..... LpA 69 dB(A)

External sound level according to ISO 6395 and

EU Directive 2000/14/EC ..... LwA 102 dB(A)

## SERVICE REFILL CAPACITIES

Fuel tank .....	330.0 L
Engine coolant .....	28.0 L
Engine oil .....	23.0 L
Swing device .....	6.2 L
Travel device (each side) .....	6.8 L
Hydraulic system .....	220.0 L
Hydraulic oil tank .....	115.0 L
DEF/AdBlue® tank .....	35.0 L



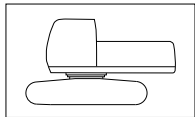
## WEIGHTS AND GROUND PRESSURE

### Operating Weight and Ground Pressure

			ZAXIS 240N			
Boom type			Monoblock		2-Piece	
Shoe type	Shoe width	Arm length	kg	kPa	kg	kPa
Triple grouser	550 mm	2.03 m	23 100	55	23 700	57
		2.42 m	23 100	55	23 800	57
		2.91 m	23 200	55	23 800	57

Including 0.80 m<sup>3</sup> (ISO heaped) bucket weight (660 kg) and counterweight (4 700 kg).

### Basic Machine Weight and Overall Width



Excluding front end attachment, fuel, hydraulic oil and coolant etc. Including counterweight.

ZAXIS 240N

Shoe width	Weight	Overall width
550 mm	18 700 kg	2 500 mm

### Components Weight

	Weight
Counterweight	4 700 kg
Monoblock boom (with arm cylinder and boom cylinder)	2 210 kg
2-Piece boom (with arm cylinder and boom cylinder)	2 930 kg
Arm 2.03 m (with bucket cylinder)	890 kg
Arm 2.42 m (with bucket cylinder)	960 kg
Arm 2.91 m (with bucket cylinder)	1 030 kg
Bucket 0.80 m <sup>3</sup>	660 kg

## BUCKET AND ARM DIGGING FORCE

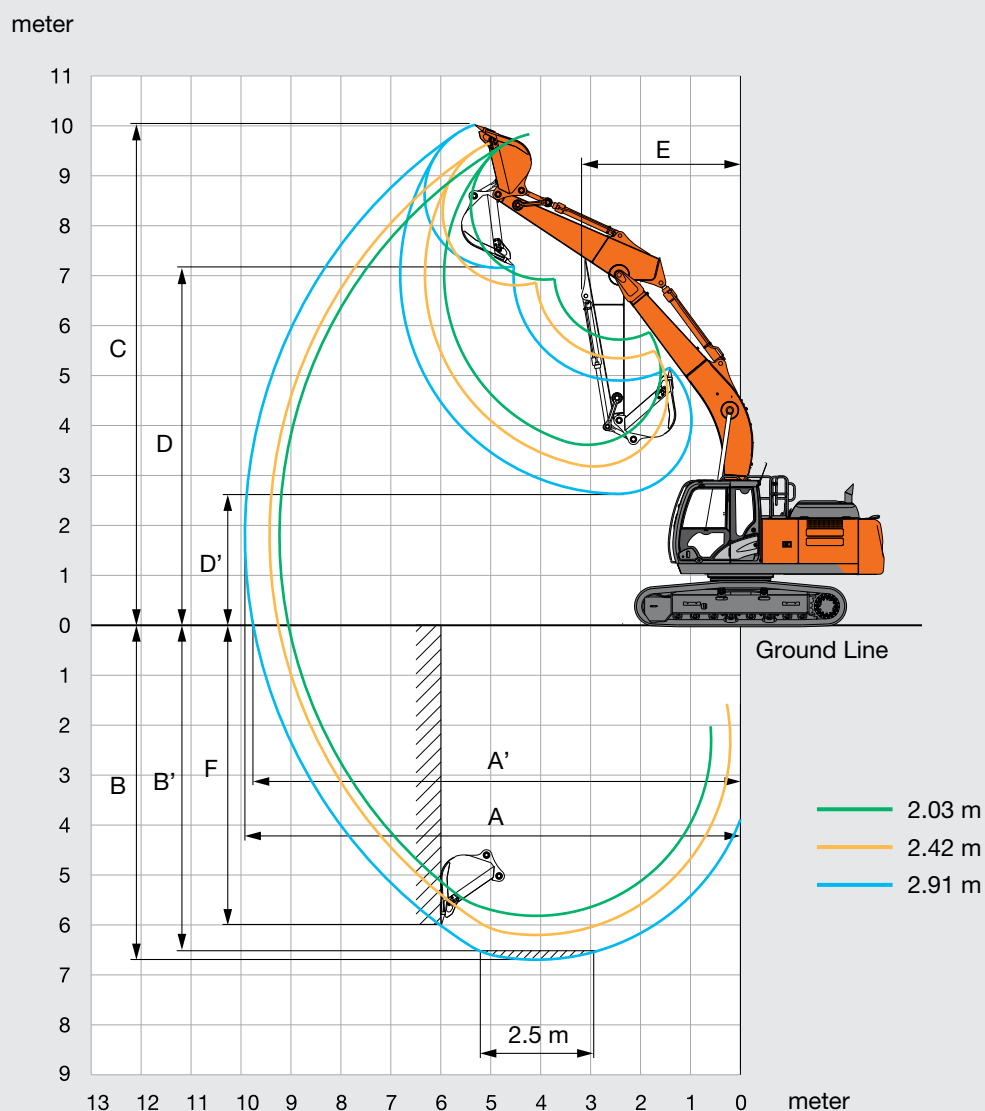
ZAXIS 240N			
Arm length	2.03m	2.42 m	2.91 m
Bucket digging force* ISO	158 kN		
Bucket digging force* SAE : PCSA	141 kN		
Arm crowd force* ISO	152 kN	140 kN	114 kN
Arm crowd force* SAE : PCSA	144 kN	133 kN	110 kN

\* At power boost



# SPECIFICATIONS

## WORKING RANGES: MONOBLOCK BOOM



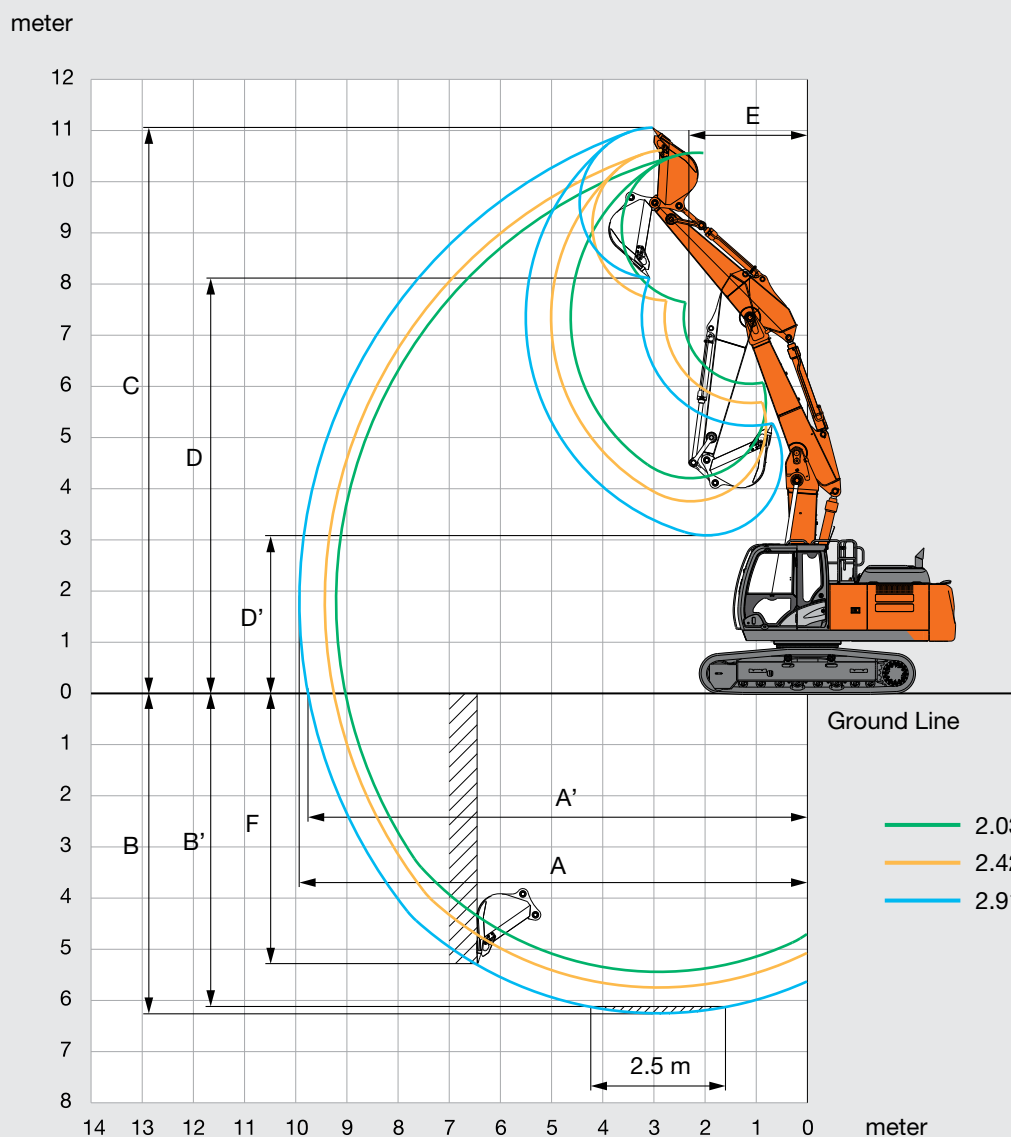
Unit: mm

	ZAXIS 240N		
	Monoblock boom		
Arm length	2.03 m	2.42 m	2.91 m
A Max. digging reach	9 230	9 430	9 920
A' Max. digging reach (on ground)	9 040	9 250	9 750
B Max. digging depth	5 800	6 180	6 670
B' Max. digging depth for 2.5 m level	5 580	5 950	6 480
C Max. cutting height	9 850	9 670	10 040
D Max. dumping height	6 940	6 830	7 180
D' Min. dumping height	3 630	3 200	2 650
E Min. swing radius	3 410	3 280	3 180
F Max. vertical wall digging depth	5 210	5 300	5 990

Excluding track shoe lug



## WORKING RANGES: 2-PIECE BOOM



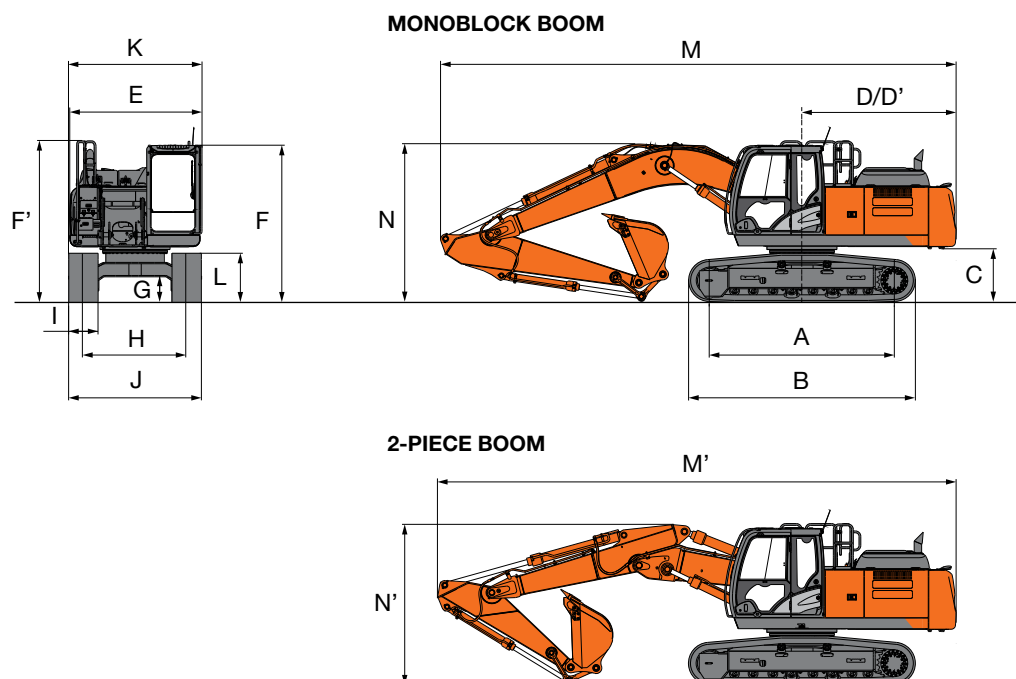
Unit: mm

	ZAXIS 240N		
	2-Piece boom		
Arm length	2.03 m	2.42 m	2.91 m
A Max. digging reach	9 210	9 430	9 930
A' Max. digging reach (on ground)	9 020	9 250	9 750
B Max. digging depth	5 420	5 720	6 230
B' Max. digging depth for 2.5 m level	5 300	5 610	6 120
C Max. cutting height	10 590	10 640	11 080
D Max. dumping height	7 670	7 700	8 150
D' Min. dumping height	4 230	3 780	3 110
E Min. swing radius	2 630	2 630	2 320
F Max. vertical wall digging depth	4 560	4 720	5 280

Excluding track shoe lug

# SPECIFICATIONS

## DIMENSIONS



Unit: mm

	ZAXIS 240N
A Distance between tumblers	3 460
B Undercarriage length	4 260
* C Counterweight clearance	990
D Rear-end swing radius	2 890
D' Rear-end length	2 890
E Overall width of upperstructure	2 480
F Overall height of cab	2 950
F' Overall height of upperstructure	3 020
* G Min. ground clearance	450
H Track gauge	1 980
I Track shoe width	G 550
J Undercarriage width	2 480
K Overall width	2 500
* L Track height with triple grouser shoes	920
<b>MONOBLOCK BOOM</b>	
M Overall length	
With arm 2.03 m	9 750
With arm 2.42 m	9 750
With arm 2.91 m	9 660
N Overall height of boom	
With arm 2.03 m	3 150
With arm 2.42 m	3 180
With arm 2.91 m	2 940
<b>2-PIECE BOOM</b>	
M' Overall length	
With arm 2.03 m	9 720
With arm 2.42 m	9 690
With arm 2.91 m	9 640
N' Overall height of boom	
With arm 2.03 m	3 010
With arm 2.42 m	3 060
With arm 2.91 m	2910

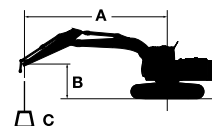
\* Excluding track shoe lug

G: Triple grouser shoe



# 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 240N MONOBLOCK BOOM

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

Conditions	Load point height m	Load radius										At max. reach		
		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
														meter
Boom 5.68 m Arm 2.03 m Counterweight 4 700 kg Shoe 550 mm	6.0					*6 560	*6 560	*6 180	5 020			*6 260	4 400	6.50
	4.5					*7 870	7 410	*6 570	4 900			6 070	3 660	7.27
	3.0					*9 720	6 900	*7 320	4 690	5 720	3 430	5 530	3 320	7.67
	1.5							7 760	4 510	5 630	3 360	5 380	3 210	7.75
	0 (Ground)					*11 270	6 420	7 630	4 400	5 590	3 320	5 560	3 300	7.54
	-1.5					*10 710	6 440	7 620	4 390			6 180	3 650	6.99
	-3.0			*12 200	12 140	*9 260	6 560	*6 540	4 530			*6 470	4 510	6.03
Boom 5.68 m Arm 2.42 m Counterweight 4 700 kg Shoe 550 mm	6.0							*5 730	5 060			*5 760	4 200	6.74
	4.5					*7 310	*7 310	*6 210	4 920			*5 790	3 510	7.48
	3.0					*9 180	6 960	*7 010	4 700	5 710	3 420	5 310	3 190	7.87
	1.5					*10 680	6 540	7 740	4 490	5 610	3 330	5 160	3 070	7.95
	0 (Ground)					*11 200	6 360	7 590	4 360	5 540	3 270	5 300	3 140	7.74
	-1.5			*9 900	*9 900	*10 870	6 340	7 550	4 320			5 840	3 430	7.21
	-3.0			*13 180	11 920	*9 690	6 440	*7 130	4 400			*6 640	4 160	6.28
Boom 5.68 m Arm 2.91 m Counterweight 4 700 kg Shoe 550 mm	-4.5					*6 850	6 730					*6 410	6 330	4.71
	6.0							*5 200	5 130			*4 030	3 720	7.32
	4.5					*6 590	*6 590	*5 750	4 980	*5 370	3 540	*3 970	3 180	8.01
	3.0					*8 500	7 100	*6 620	4 750	*5 730	3 440	*4 080	2 910	8.37
	1.5					*10 230	6 630	*7 490	4 520	5 610	3 330	*4 360	2 810	8.45
	0 (Ground)			*4 830	*4 830	*11 080	6 370	7 590	4 350	5 510	3 240	4 830	2 860	8.25
	-1.5	*5 470	*5 470	*9 090	*9 090	*11 050	6 300	7 510	4 290	5 490	3 220	5 250	3 090	7.76
	-3.0	*9 960	*9 960	*14 340	11 760	*10 190	6 360	7 550	4 320			6 220	3 630	6.90
	-4.5			*11 210	*11 210	*8 090	6 560					*6 220	5 020	5.52

## ZAXIS 240N 2-PIECE BOOM

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

Conditions	Load point height m	Load radius										At max. reach		
		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
														meter
2-Piece Boom Arm 2.03 m Counterweight 4 700 kg Shoe 550 mm	9.0													
	7.5					*7 440	*7 440							
	6.0			*7 930	*7 930	*7 390	*7 390	*6 190	5 070					
	4.5			*11 500	*11 500	*8 450	7 730	*6 360	5 110					
	3.0			*13 200	*13 200	*10 650	*7 520	*7 030	5 010	*5 400	3 400	*4 830	3 280	
	1.5			*15 440	13 240	*11 170	7 380	7 900	4 810	5 660	3 330	*4 910	3 170	
	0 (Ground)	*11 090	*11 090	*17 350	12 450	*11 190	6 950	7 880	4 580	*5 320	3 270	*5 240	3 260	
	-1.5	*19 550	*19 550	*17 650	12 170	*11 410	6 720	7 740	4 430			*5 320	3 620	
-3.0	*29 440	*29 440	*16 070	12 230	*9 740	6 600					*5 450	4 700		
2-Piece Boom Arm 2.42 m Counterweight 4 700 kg Shoe 550 mm	9.0			*9 080	*9 080									
	7.5					*6 910	*6 910							
	6.0					*6 990	*6 990	*5 790	5 170					
	4.5			*12 150	*12 150	*7 910	7 720	*6 050	5 180					
	3.0			*13 680	*13 240	*10 080	7 530	*6 700	5 040	*5 310	3 430	*4 470	3 140	
	1.5			*15 360	13 190	*11 060	7 460	*7 650	4 830	5 670	3 330	*4 560	3 020	
	0 (Ground)	*12 330	*12 330	*17 110	12 520	*11 080	6 980	7 830	4 570	5 560	3 230	*4 890	3 090	
	-1.5	*18 400	*18 400	*17 470	12 130	*11 230	6 690	7 700	4 380			*5 500	3 380	
-3.0	*24 600	*24 600	*16 730	12 070	*10 350	6 490	*5 930	4 360			*4 930	4 150		
2-Piece Boom Arm 2.91 m Counterweight 4 700 kg Shoe 550 mm	9.0													
	7.5					*6 080	*6 080	*5 050	*5 050					
	6.0					*6 260	*6 260	*5 420	5 290					
	4.5			*8 230	*8 230	*7 310	*7 310	*5 700	*5 210	*4 780	3 570	*4 000	3 140	
	3.0	*10 970	*10 970	*14 280	*13 320	*9 160	7 580	*6 330	5 080	*5 030	3 520	*3 990	2 860	
	1.5	*8 820	*8 820	*14 880	13 160	*10 880	*7 320	*7 250	4 920	*5 400	3 400	*4 070	2 760	
	0 (Ground)	*11 160	*11 160	*16 560	12 770	*11 040	7 090	7 800	4 680	5 600	3 270	*4 320	2 810	
	-1.5	*15 150	*15 150	*17 320	12 200	*11 110	6 740	7 750	4 420	5 510	3 180	*4 840	3 040	
	-3.0	*19 200	*19 200	*17 390	12 060	*11 010	6 500	*7 310	4 310			*4 690	3 590	
-4.5	*20 970	*20 970	*12 840	12 090	*7 180	6 540					*7 000	6 400		

# 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	●
Cold fuel resistance valve	●
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 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	●

HYDRAULIC SYSTEM	
Auto power lift	●
Control valve with main relief valve	●
Full-flow filter	●
High mesh full flow filter with restriction indicator	○
Hose rupture valve for arm	●
Hose rupture valve for boom	●
Pilot filter	●
Power boost	●
Suction filter	●
Swing dampener valve	●
Two extra port for control valve	●
Variable reliefvalve for breaker & crusher	●
Work mode selector	●

CAB	
All-weather sound suppressed steel cab	●
AM-FM radio	●
Ashtray	●
Auto control air conditioner	●
AUX function lever (Breaker assist)	○
AUX terminal and storage	●
Cigarette lighter 24 V	●
CRES V (Center pillar reinforced structure) cab	●
Drink holder with hot & cool function	●
Electric double horn	●
Engine shut-off switch	●
Equipped with reinforced, tinted (green color) glass windows	●
Evacuation hammer	●
Floor mat	●
Footrest	●
Front window washer	●
Glove compartment	●
Hot & cool box	●
Intermittent windshield wipers	●
Key cylinder light	●
Laminated round glass window	○
LED room light with door courtesy	●
OPG front guard Level II (ISO10262) compliant cab	○
OPG top guard Level I (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	●
ROPS (ISO12117-2) compliant cab	●
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	●
4 fluid-filled elastic mounts	●

MONITOR SYSTEM	
Alarms: overheat, engine warning, engine oil pressure, alternator, minimum fuel level, hydraulic filter restriction, air filter restriction, work mode, overload, SCR system trouble, etc	●
Alarm buzzers: overheat, 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 126 Ah	●
Battery disconnect switch	●
Body top handrail	●
Counterweight 4 700 kg	●
Electric fuel refilling pump with auto stop and filter	●
Fuel level float	●
Hydraulic oil level gauge	●
Lockable fuel refilling cap	●
Lockable machine covers	●
Lockable tool box	●
Platform handrail	●
Rear view camera	●
Rear view mirror (right & left side)	●
Skid-resistant plates and handrails	●
Swing parking brake	●
Undercover	●
Utility space	●

UNDERCARRIAGE	
Bolt-on sprocket	●
Reinforced track links with pin seals	●
Shoe: 550 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 brackets	●

FRONT ATTACHMENTS	
Casted bucket link A	●
Centralized lubrication system	●
Dirt seal on all bucket pins	●
Flanged pin	●
HN bushing	●
Reinforced resin thrust plate	●
WC (tungsten-carbide) thermal spraying	●
Welded bucket link A	○
Welded bucket link A with welded hook	○

ATTACHMENTS	
Accessories for 2 speed selector	●
Additional pump (30 L/min)	○
Assist piping	○
Attachment basic piping	●
Breaker and crusher piping	●
Parts for breaker and crusher	●
Pilot accumulator	○

MISCELLANEOUS	
Global e-Service	●
Onboard information controller	●
Standard tool kit	●

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



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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.

