

HITACHI

CONSTRUCTION HYDRAULIC EXCAVATOR ZX240-5G

Reliable Solutions



Engine Rated Power : 132 kW (177HP)
Operating Weight : 23.300 kg – 25.300 kg
Bucket : ISO Heaped : 0,80 – 1,40 m³
Model Code : ZX240-5G | ZX240LC-5G

ZAXIS240

ZAXIS *Empower your Vision.*

A ZAXIS hallmark – industry-leading hydraulic technologies, and performance no other can beat. It provides reliable solutions: impressive fuel economy, swift front movements, and easy operation. You'll find our technological prowess and expertise, such as the optimized hydraulic system and engine.

The key benefits are high quality, low fuel consumption, and high durability, all serve to ensure low running costs.

ZAXIS, empowered by comprehensive evolution, will realize customers' visions, dreams, and pioneer your colorful future.



More Production with Less Fuel

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- Up to a 8% reduction in fuel consumption
- More fuel reduction in the ECO mode
- Swift front movements with HIOS III hydraulics
- Powerful lifting operation
- Boosted swing torque
- Enhanced power boost



No Compromise on Operator Comfort

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- Comfortable operating environment
- Comfort-designed operator seat
- Robust cab
- Easy-to-use multifunction monitor



Pursuits of Performance and Durability

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- Prestige R&D and quality control
- Durable, reliable engine
- Rock-solid, durable front attachment
- Strengthened undercarriage
- Proven upperstructure



Simplified Maintenance

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- Dust-proof indoor net
- Grouped remote inspection points
- Attractive, robust body
- Low life cycle costs



Reliable Solutions, with Various Options

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- Varied jobs, varied options
- Recommended options



ConSite

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- Automatic Data Report Service



Support Chain

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- Remote fleet management with Global e-Service
- Parts and service

More Production with Less Fuel

Reduction in Fuel Consumption

ZAXIS is a fuel-thrifty excavator that can reduce fuel consumption up to 8%*, compared to the conventional ZX240-3/ZX240-3F family, thanks to the HIOS III hydraulic system and engine control system, thereby reducing CO₂ emissions.

*up to 6%, compared to the ZX240/ZX240-3G.

More Fuel Reduction in the ECO mode

The ECO mode, economical mode, can further cut fuel consumption up to 10% compared to the PWR mode, without sacrificing digging speed by optimal matching of operations.



Swift Front Movements with HIOS* III Hydraulics

Operating speed increases with less fuel consumption thanks to the HIOS III hydraulic system, developed by industry-leading hydraulic technologies and a wealth of experience. Actuators work quickly by boom weight, without needing a regenerative circuit and pressure oil.

*Human & Intelligent Operation System

Rapid Arm Roll-in

Arm roll-in speed increases by combined flow from arm and boom cylinders through regenerative valves for productive excavation.

Fast Arm Speed During Boom Lowering

Arm speed increases by boom weight during boom lowering, without needing pressure oil from a pump. That is, arm circuit flow is increased for higher arm speed, allowing for quick loading of a dump truck and positioning of the front.



Powerful Lifting Operation

The Auto Power Lift mode, which automatically surge lifting force up to 10% when needed, allows for powerful lifting of buried concrete pipes or sheathing sheets.

Boosted Swing Torque

Allows for powerful wall cutting with the bucket, and smooth swing operation on slope.

Enhanced Power Boost

The Power Boost mode allows the operator to surge up to 10% more digging force for powerful excavation by pressing its button on the control lever.



Pursuits of Performance and Durability

Prestige R&D and Quality Control

Hitachi Construction Machinery has earned praise for technological prowess and product performance around the world.

R&D Group has a track record – including excellent design, stress analysis expertise using CAE system, and abundant production data base. What's more, a large-scale durability test field (427 hm²) allows for a series of stringent testing of new machines.

Production & Procurement Group strives to automatize production processes, including robotic welding, machining, painting, assembling and transferring.



Computer-Aided Engineering



Main pump testing area



Mid-sized excavator assembly line



Main frame welding line



Simulation testing from operator seat



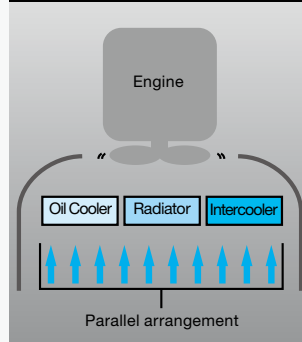
Durable, Reliable Engine

This engine has a track record showing impressive durability at countless tough job sites around the world.

The engine — associated with a rugged design, a direct fuel injection system and an elaborate governor — goes green, and complies with EU Stage II and US EPA Tier 2 emissions regulations.

The cooling system well keeps the engine cool. The engine cover has a wider air suction area, and radiators are arranged in parallel for efficient cooling. This parallel arrangement also facilitates their cleaning.

The ample-capacity intercooler and turbocharger help yield a whopping 132 kW (177 HP) output for higher production in shorter job schedule.



Rock-Solid, Durable Front Attachment

The boom top and foot are reinforced with thickened high-tensile steel brackets, which incorporate steel bushings to enhance durability. Arm cylinder and boom cylinders (rod extend ends) cushion shocks at stroke ends to cut noise and extend service life.

Joint pins at the front attachment are tightly fit to reduce jolt and sound. The arm-bucket joint is protected by WC thermal spraying on its contact surfaces to reduce wear and jolt. HN bushings, utilized on joint pins, retain grease inside for longer greasing intervals. A reinforced resin thrust plate, mounted on the bucket pin, helps reduce wearing noise.



Strengthened Undercarriage

The X-beam frame is made monolithically with fewer welds for higher rigidity and durability.

Track adjusters absorb impacts to crawlers. Front idlers and adjuster cylinders are integrated to increase durability.

Idler brackets and travel motor brackets are both thickened for added durability.

Proven Upperstructure

The upperstructure frame is reinforced with the proven D-section skirt to increase rigidity against damage by obstacles.

The door catch is improved to shut the door tightly, reducing door rattling.



HN bushing



X-beam frame



Track adjuster



Reinforced resin thrust plates



WC thermal spraying



Boom foot

No Compromise on Operator Comfort

Comfortable Operating Environment

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

Comfort-Designed Operator Seat

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

Robust Cab

The robust cab, meeting the OPG (Top Guard Level 1), protects the operator from falling objects. The pilot control shut-off lever is provided with a neutral engine start system that permits engine starting only when the pilot control shut-off lever is in Lock position.



Control panel



Large storage space

Easy-to-Use Multifunction Monitor

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



Menu Items

Main Menu	
Alarm List	1/ 5
Air Conditioner	
Radio	
Work Mode	
Setting Menu	
Main menu	
Work Mode	
1/ 5	
Bucket	
Breaker 1	
Pulverizer 1	
Crusher 1	
Grapple 1	
Work mode menu	
Engine Oil	
Previous Maintenance	
2000/01/01 0.0h	
Remains	496.1h
Maintenance Interval	500.0h
Engine oil	



Simplified Maintenance



Dust-Proof Indoor Net

A dust-proof indoor net, provided at the front of radiator, can be easily removed and cleaned with compressed air. At the rear of the radiator, air blowing can be done through a one-touch open cover. The air condenser is openable for easy cleaning at its rear.

Attractive, Robust Body

Side frame tops of the undercarriage are sloped to let muck slide away. Track adjuster greasing ports are repositioned for easier lubrication, and well protected from muck packing.

Grouped Remote Inspection Points

Service points are concentrated inside left and right covers that are readily accessible from ground level for convenient servicing and inspection, including water draining from the fuel tank, replenishment of coolant, and replacement of filters. The fuel tank is anti-corrosion coated on its inside, and has a large cleaning port at the bottom. These wise designs effectively keep fuel clean, and ease servicing. Handrails are provided at convenient locations for easy riding on the upperstructure. Plenty slip-resistant plates are located for safe maintenance.



Grouped remote filters and inspection points



Utility space and radiators



Fuel tank water drainage cock





The photo shows an excavator with an optional front glass lower guard.

Low Life Cycle Costs

Service intervals are long enough to slash maintenance costs.



Note: Periodic inspection is required to check oil contamination and likes.

Reliable Solutions, with Various Options

Easy-to-Use Attachments

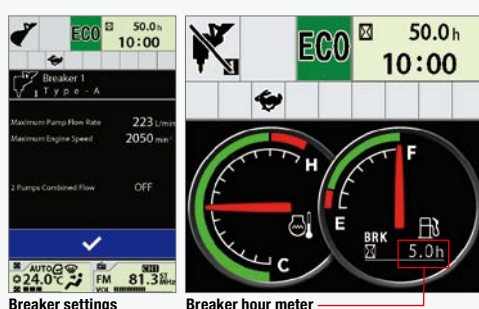
The operator can change over valves, adjust extra circuit flow, and check settings from the multifunctional monitor next to the operator seat. What's more, 11 jobs, including flow rate setting, can easily be selected by their identified names.

Easy-to-Operate Breaker

When using a breaker that requires frequent change of hydraulic oil and filters, an extra hour meter on the multifunctional monitor displays operating hours of the breaker, suggesting adequate replacement timing of oil and filters. The Breaker Alarm (optional) displays an alert mark on the monitor screen, and sounds when the breaker works continuously over one minute.

Varied Jobs, Varied Options

Lower cab front guard is provided for protection against debris during demolition and breaker operation. High-performance filters and in-line filters are available at tough job sites.





Recommended Options



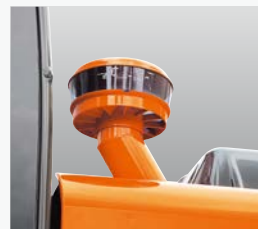
Attachment basic piping



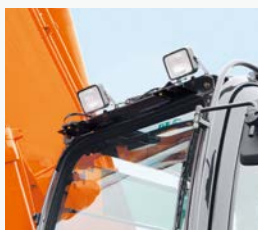
Lower cab front guard



Electric fuel refilling pump



Pre-Cleaner



Additional cab roof front lights



Rear view camera

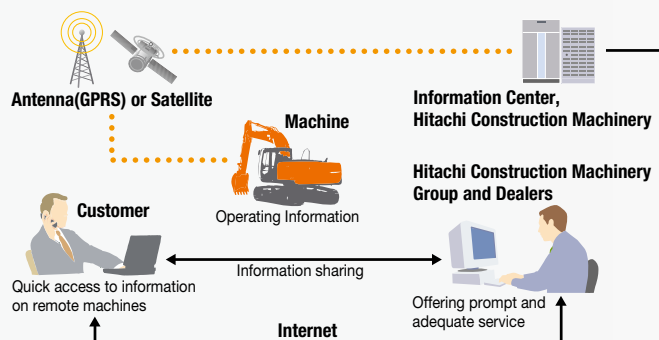
Support Chain

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

Remote Fleet Management with Global e-Service

Easy Access to On-Site Machines through the Internet

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



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

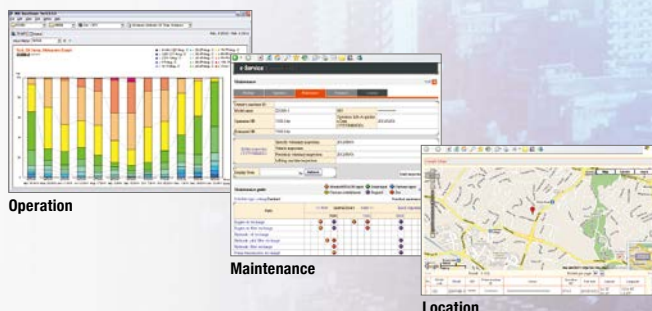
Main Features of Global e-Service

Functions

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

Maintenance

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



Parts and Service

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

Parts

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

Genuine Parts

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

Ground Engaging Tools (GETs)

Hitachi Construction Machinery provides an array of

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

Note: Some dealers do not handle GETs.

Remanufactured Components

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

Note: Some dealers do not handle Remanufactured Components.

Service

Extended Warranty — HELP

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



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

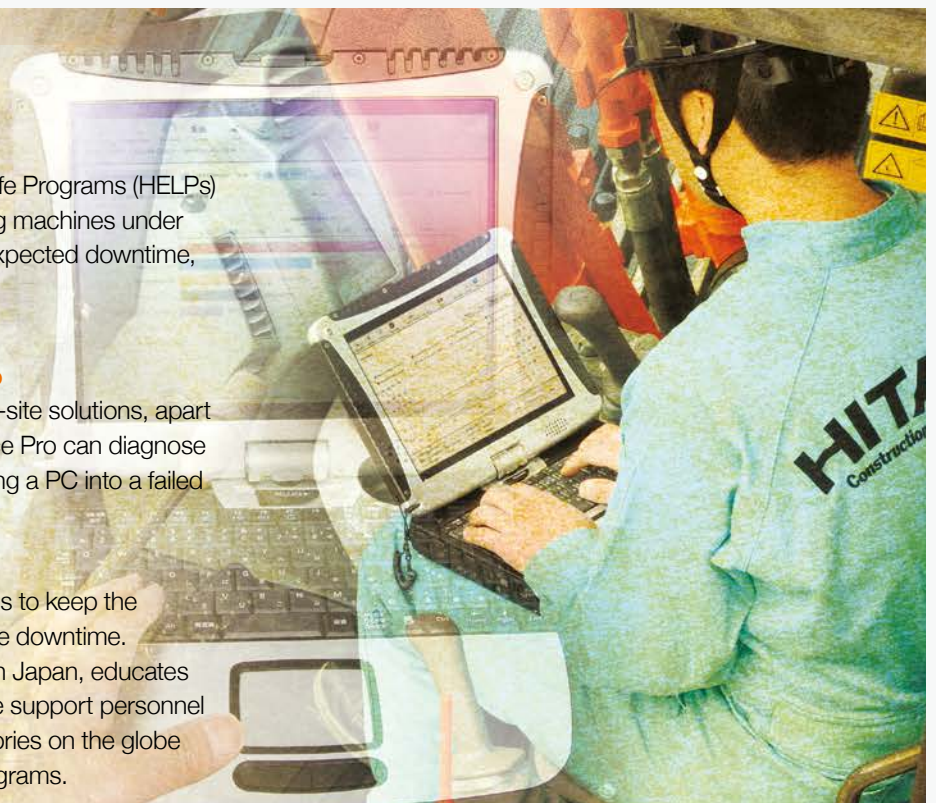
Note: Warranty conditions vary by equipment.

Diagnostic Tools — Maintenance Pro

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

Technical Training

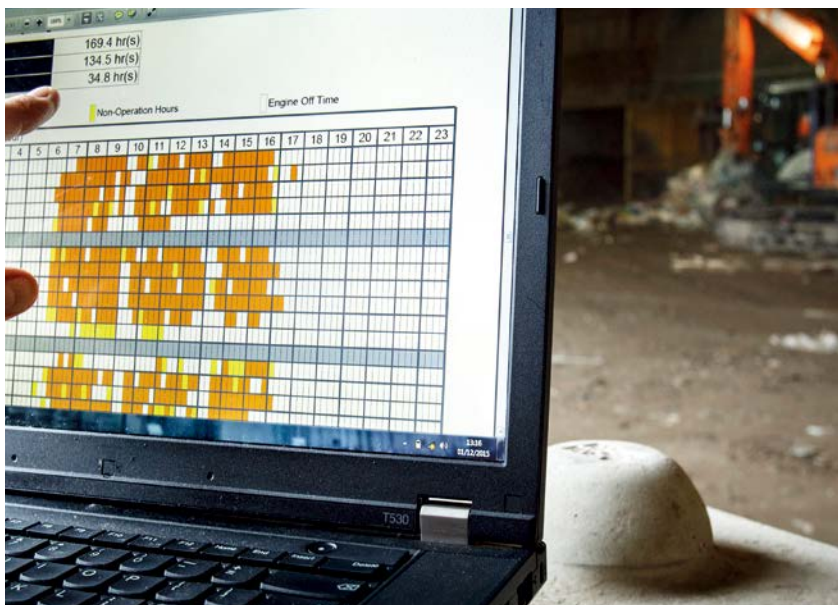
On-site servicing matters despite locations to keep the machine at peak performance and reduce downtime. Technical Training Center (TTC), located in Japan, educates and trains service technicians and service support personnel coming from authorized dealers and factories on the globe according to the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



ConSite

ConSite is an automatic Data Report Service that sends a monthly e-mail summarising the information from Global e-Service for each of your machines.

Available in more than 30 languages, ConSite includes a detailed analysis of the operational data, ratios and hours. This Monthly Report is also stored on the Owner's Site for ease of reference.



A remote fleet monitoring system to improve overall performance

ConSite

Our ConSite Data Report Service sends you a monthly e-mail to summarise the information available on Global e-Service for each of your machines. It includes a detailed analysis of operational data, ratios and hours, so you can see how productive and efficient your machines have been in the past month. All the information from the report is stored in the Owner's Site as well, for easy reference.

Further into the ConSite Report, you'll see non-operation and swing efficiency ratings and ratios. These compare the machine's performance against the same model class from all Hitachi Construction Machinery owners in your region.

The monthly and total number of hours are divided for front, swing, travel and attachment operations. This will help you to determine the actual usage of your machine and maintenance planning.

The monthly analysis of these variables is compared to the total lifetime of the machine in a user-friendly chart. A line graph shows the actual and projected number of hours, which helps you to manage maintenance requirements.

ConSite can also help you in the unlikely event of a fault. It will send you and your authorised dealer an Emergency Alarm Report, so you can both respond quickly in order to minimise unscheduled downtime.

We created ConSite to improve your business operations, and enable you to analyze the productivity and efficiency of your equipment. The information it provides on machine usage is intended to help you with maintenance planning and also promotes proactive support from your dealer. Ultimately, it provides you with confidence in your ZAXIS excavators, ZW wheel loaders, and peace of mind to focus on other areas of your business.

Owner's Site

You can find out all you need to know about your fleet of Hitachi construction machinery in the field from the comfort of your home or office, thanks to Owner's Site. This online management tool, available at www.globaleservice.com, is user-friendly and offers extensive and detailed information on your Zaxis Excavators and ZW Wheel Loaders.

The data is displayed in a flexible layout, so you can create machine groups per job site or select relevant information, depending on your requirements. As every project is different, you can customize the Owner's Site Dashboard to view data quickly and easily.



Scan this code for our
ConSite function explanation
& case study video



Key Features

- Check each of your machines from your office – 24/7
- Have a remote insight into fuel consumption
- Check the current and previous locations and movements of your machine(s)
- See maintenance status and items due for renewal on each of your machines
- Receive e-mail notifications for any machine alerts, unexpected movements and so on

SPECIFICATIONS

ENGINE

Model	Isuzu CC-6BG1T
Type	4-cycle water-cooled, direct injection
Aspiration	Turbocharged, intercooled
No. of cylinders	6
Rated power	
ISO 9249, net	132 kW (177 HP) at 2.150 min ⁻¹ (rpm)
SAE J1349, net	132 kW (177 HP) at 2.150 min ⁻¹ (rpm)
Maximum torque	637 Nm (65 kgfm) at 1.800 min ⁻¹ (rpm)
Piston displacement ..	6,494 L
Bore and stroke	105 mm x 125 mm
Batteries	2 x 12 V / 88 Ah

HYDRAULIC SYSTEM

Hydraulic Pumps

Main pumps	2 variable displacement axial piston pumps
Maximum oil flow ..	2 x 223 L/min
Pilot pump	1 gear pump
Maximum oil flow ..	32.0 L/min

Hydraulic Motors

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

Relief Valve Settings

Implement circuit	34,3 MPa (350 kgf/cm ²)
Swing circuit	32,4 MPa (330 kgf/cm ²)
Travel circuit	34,8 MPa (355 kgf/cm ²)
Pilot circuit	3,9 MPa (40 kgf/cm ²)
Power boost	38,0 MPa (388 kgf/cm ²)

Hydraulic Cylinders

	Quantity
Boom	2
Arm	1
Bucket	1

UPPERSTRUCTURE

Revolving Frame

D-section frame skirt for resistance to deformation.

Swing Device

Swash plate 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	11,0 min ⁻¹ (rpm)
Swing torque	775 kNm (7.900 kgfm)

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

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 : ZX240-5G 9 : ZX240LC-5G
Track shoes	47 : ZX240-5G 51 : ZX240LC-5G
Track guard	1 : ZX240-5G/ZX240LC-5G

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 3,4 km/h
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Maximum traction force .. 222 kN (22.600 kgf)

Gradeability .. 70% (35°) continuous

SERVICE REFILL CAPACITIES

Fuel tank	510,0 L
Engine coolant	26,0 L
Engine oil	25,0 L
Swing device	9,1 L
Travel device (each side)	7,8 L
Hydraulic system	280,0 L
Hydraulic oil tank	156,0 L

WEIGHTS AND GROUND PRESSURE

Operating weight and Ground pressure

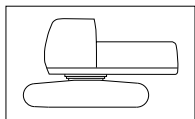
			ZX240-5G		ZX240LC-5G	
Shoe type	Shoe width	Arm length	kg	kPa(kgf/cm²)	kg	kPa(kgf/cm²)
Triple grouser	600 mm	2,50 m	23.300	51 (0,52)	23.900	47 (0,48)
		2,96 m	23.400	51 (0,52)	24.000	48 (0,49)
		3,61 m	23.500	51 (0,52)	24.100	48 (0,49)
	700 mm	2,50 m	23.700	44 (0,45)	24.400	41 (0,42)
		2,96 m	23.800	44 (0,45)	24.400	41 (0,42)
		3,61 m	23.900	45 (0,46)	24.500	41 (0,42)
	800 mm	2,50 m	24.000	39 (0,40)	24.700	36 (0,37)
		2,96 m	24.100	39 (0,40)	24.700	36 (0,37)
		3,61 m	24.200	39 (0,40)	24.800	37 (0,38)
	900 mm	2,50 m	24.100	35 (0,36)	25.200	33 (0,34)
		2,96 m	24.200	35 (0,36)	25.300	33 (0,34)
		3,61 m	24.200	35 (0,36)	25.300	33 (0,34)
Reinforced Triple grouser	600 mm	2,50 m	—	—	—	—
		2,96 m	—	—	—	—
		3,61 m	—	—	—	—
Triangular	760 mm	2,50 m	24.400	41 (0,42)	25.000	38 (0,39)
		2,96 m	24.400	41 (0,42)	25.100	39 (0,40)
		3,61 m	24.500	41 (0,42)	25.200	39 (0,40)
	900 mm	2,50 m	25.400	36 (0,37)	26.200	34 (0,35)
		2,96 m	25.500	36 (0,37)	26.200	34 (0,35)
		3,61 m	25.500	36 (0,37)	26.300	34 (0,35)
Flat	600 mm	2,50 m	24.100	52 (0,53)	24.800	49 (0,50)
		2,96 m	24.200	52 (0,53)	24.900	49 (0,50)
		3,61 m	24.300	53 (0,54)	24.900	49 (0,50)

Including 1,00 m³ (ISO heaped) bucket weight (850 kg) and counterweight (5.250kg).

SPECIFICATIONS

WEIGHT: BASIC MACHINE and COMPONENTS

Basic Machine Weight and Overall width



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

ZX240-5G

Shoe width	Weight	Overall width
600 mm	17.800 kg	2.990 mm
700 mm	18.200 kg	3.090 mm
800 mm	18.400 kg	3.190 mm
900 mm	18.500 kg	3.290 mm

ZX240LC-5G

Shoe width	Weight	Overall width
600 mm	18.400 kg	3.190 mm
700 mm	18.800 kg	3.290 mm
800 mm	19.100 kg	3.390 mm
900 mm	19.600 kg	3.490 mm

Component weights

	ZX240-5G / ZX240LC-5G
Counterweight	5.250 kg
Boom (with boom and arm cylinder)	2.660 kg
2,50 m arm (with bucket cylinder)	1.270 kg
2,96 m arm (with bucket cylinder)	1.320 kg
3,61 m arm (with bucket cylinder)	1.410 kg
1,00 m³ bucket	850 kg

BUCKET AND ARM DIGGING FORCES

Arm length	2,50 m	2,96 m	3,61 m
Bucket digging force* ISO	188 kN (19.200 kgf)	188 kN (19.200 kgf)	188 kN (19.200 kgf)
Bucket digging force* SAE : PCSA	163 kN (16.600 kgf)	163 kN (16.600 kgf)	163 kN (16.600 kgf)
Arm crowd force* ISO	156 kN (15.900 kgf)	131 kN (13.300 kgf)	113 kN (11.500 kgf)
Arm crowd force* SAE : PCSA	155 kN (15.800 kgf)	126 kN (12.900 kgf)	110 kN (11.200 kgf)

* At power boost

ATTACHMENTS

Boom and arms are of welded, box-section design, 6,00 m boom, and 2,50 m, 2,96 m and 3,61 m arms are available, Bucket is of welded steel structure, Side clearance adjust mechanism provided on the bucket joint bracket.

Buckets

Capacity	Width		No. Of teeth	Weight	Recommendation					
					ZX240-5G			ZX240LC-5G		
	Without side cutters	With side cutters			2,50 m arm	2,96 m arm	3,61 m arm	2,50 m arm	2,96 m arm	3,61 m arm
ISO heaped										
0,80 m ³	950 mm	1.080 mm	4	760 kg	⊙	⊙	⊙	⊙	⊙	⊙
1,00 m ³	1.130 mm	1.260 mm	5	850 kg	⊙	⊙	○	⊙	⊙	⊙
1,10 m ³	1.220 mm	1.350 mm	5	900 kg	○	○	□	○	○	○
1,25 m ³	1.360 mm	1.490 mm	5	945 kg	○	○	—	○	○	□
1,40 m ³	1.500 mm	1.630 mm	5	1.020 kg	□	—	—	□	—	—
*1 0,92 m ³	1.130 mm	1.180 mm	5	990 kg	●	●	—	●	●	—
*2 1,00 m ³	1.130 mm	1.260 mm	5	970 kg	⊙	⊙	○	⊙	⊙	⊙
*2 1,10 m ³	1.220 mm	1.350 mm	5	1.030 kg	○	○	□	○	○	○
*3 1,00 m ³	1.140 mm	1.270 mm	5	975 kg	⊙	⊙	○	⊙	⊙	⊙
*4 1,00 m ³	1.140 mm	1.270 mm	5	955 kg	⊙	⊙	○	⊙	⊙	⊙
*5 0,80 m ³	1.000 mm	—	3	1.220 kg	●	●	—	●	●	—
One-point ripper			1	680 kg	●	●	—	●	●	—
Center-pull type clamshell bucket: 0,60 m ³ (CECE heaped), Width 940 mm			8	1.130 kg	⊙	⊙	—	⊙	⊙	—
Shell-push type clamshell bucket: 0,60 m ³ (CECE heaped), Width 870 mm			7	960 kg	⊙	⊙	—	⊙	⊙	—

*1 Rock bucket

*2 Reinforced bucket

*3 Heavy-duty bucket

*4 Heavy-duty level-pin-type bucket

*5 Ripper bucket

⊙ Suitable for materials with density of 2.000 kg/m³ or less

○ Suitable for materials with density of 1.600 kg/m³ or less

□ Suitable for materials with density of 1.100 kg/m³ or less

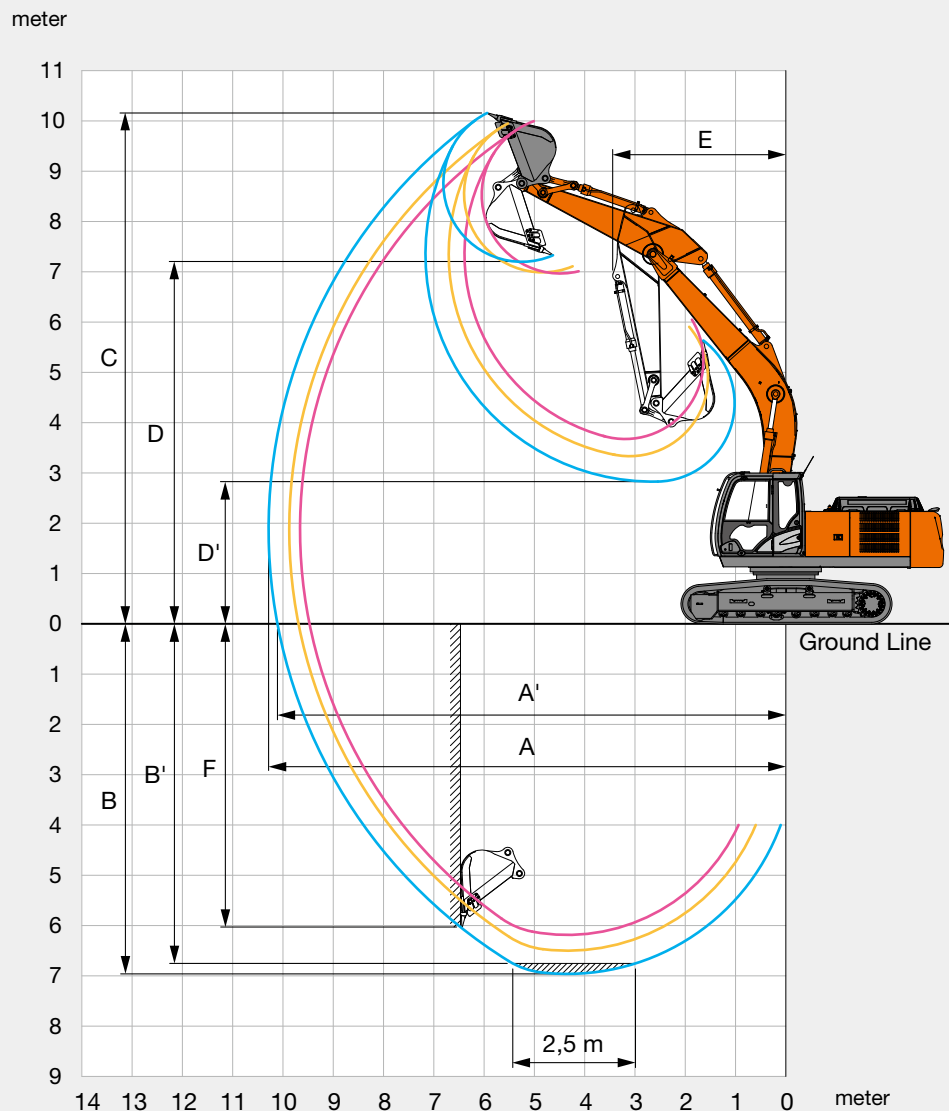
● Heavy-duty service

◇ Slope-finishing service

— Not applicable

SPECIFICATIONS

WORKING RANGES

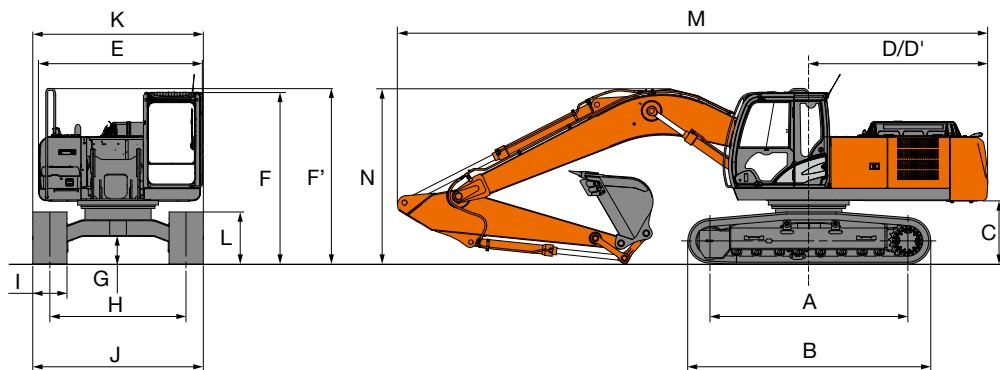


Unit: mm

Arm length	2,50 m	2,96 m	3,61 m
A Max. digging reach	9.880	10.290	10.910
A' Max. digging reach (on ground)	9.690	10.110	10.750
B Max. digging depth	6.500	6.960	7.610
B' Max. digging depth for 2,5 m level	5.940	6.750	7.440
C Max. cutting height	9.950	10.160	10.560
D Max. dumping height	6.990	7.200	7.580
D' Min. dumping height	3.330	2.830	2.180
E Min. swing radius	3.480	3.440	3.430
F Max. vertical wall digging depth	5.580	6.030	6.740

Excluding track shoe lug

DIMENSIONS



Unit: mm

	ZX240-5G	ZX240LC-5G
A Distance between tumblers	3.460	3.850
C Undercarriage length	4.260	4.640
* C Counterweight clearance	1.080	1.080
D Rear-end swing radius	3.140	3.140
D' Rear-end length	3.140	3.140
E Overall width of upperstructure	2.870	2.870
F Overall height of cab	3.010	3.010
F' Overall height of upperstructure	3.080	3.080
* G Min. ground clearance	460	460
H Track gauge	2.390	2.590
I Track shoe width	G 600	G 600
J Undercarriage width	2.990	3.190
K Overall width	2.990	3.190
* L Track height with triple grouser shoes	920	920
M Overall length		
With 2,50 m arm	10.470	10.470
With 2,96 m arm	10.360	10.360
With 3,61 m arm	10.400	10.400
N Overall height of boom		
With 2,50 m arm	3.370	3.370
With 2,96 m arm	3.070	3.070
With 3,61 m arm	3.320	3.320

* Excluding track shoe lug

G: Triple grouser shoe

LIFTING CAPACITIES (Without Bucket)

Notes: 1. Ratings are based on ISO 10567.

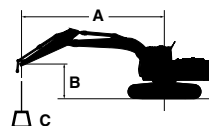
2. Lifting capacity does not exceed 75% of tipping load with the machine on firm, level ground or 87% full hydraulic capacity.

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

4. * Indicates load limited by hydraulic capacity.

5. 0 m = Ground.

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



A: Load radius

B: Load point height

C: Lifting capacity

ZX240-5G

















Rating over-front



Rating over-side or 360 degrees

Unit : kg

Conditions	Load point height m	Load radius m												At max. reach		
		1,5		3,0		4,5		6,0		7,5		9,0				
																meter
Boom 6,00 m	6,0							*6.320	6.050					*6.240	4.460	7,20
Arm.2,50 m	4,5					*8.520	*8.520	*7.050	5.800	5.810	4.090			5.350	3.760	7,88
Counterweight	3,0					*10.880	8.220	7.950	5.470	5.660	3.950			4.890	3.410	8,24
5.250 kg	1,5					11.830	7.650	7.620	5.180	5.500	3.800			4.740	3.280	8,31
Shoe 600 mm	0 (Ground)					11.580	7.440	7.420	5.000	5.390	3.700			4.850	3.340	8,10
	-1,5			*9.550	*9.550	11.570	7.430	7.360	4.940	5.380	3.690			5.310	3.640	7,58
	-3,0			*16.120	14.830	11.720	7.560	7.450	5.020					6.400	4.370	6,69
	-4,5			*12.610	*12.610	*9.340	7.870							*7.840	6.380	5,23
	-6,0															
Boom 6,00 m	6,0							*5.780	*5.780	*4.930	4.220			*4.390	4.060	7,67
Arm.2,96 m	4,5					*7.730	*7.730	*6.570	5.890	5.860	4.230			*4.400	3.470	8,32
Counterweight	3,0					*10.110	8.420	*7.670	5.540	5.690	3.970			4.540	3.160	8,65
5.250 kg	1,5					11.970	7.770	7.670	5.220	5.510	3.810			4.400	3.040	8,72
Shoe 600 mm	0 (Ground)					11.610	7.460	7.430	5.000	5.380	3.680			4.490	3.090	8,52
	-1,5			*9.380	*9.380	11.520	7.380	7.330	4.910	5.330	3.633			4.850	3.330	8,03
	-3,0	*10.880	*10.880	*15.560	14.620	11.610	7.460	7.370	4.940					5.700	3.900	7,20
	-4,5			*14.240	*14.240	*10.330	7.710							*7.630	5.310	5,87
	-6,0															
Boom 6,00 m	7,5													*3.560	*3.560	7,43
Arm 3,61 m	6,0							*5.030	*5.030	*4.730	4.330			*3.420	*3.420	8,38
Counterweight	4,5							*5.860	*5.860	*5.480	4.200			*3.410	3.080	8,97
5.250 kg	3,0					*8.950	8.700	*7.020	5.650	5.750	4.020	4.290	2.990	*3.530	2.830	9,28
Shoe 600 mm	1,5					*11.270	7.950	7.750	5.290	5.540	3.830	4.200	2.890	*3.770	2.730	9,35
	0 (Ground)			*5.400	*5.400	11.660	7.490	7.450	5.010	5.370	3.670	4.120	2.820	4.010	2.750	9,16
	-1,5	*5.260	*5.260	*8.610	*8.610	11.450	7.320	7.290	4.860	5.270	3.580			4.280	2.920	8,71
	-3,0	*8.940	*8.940	*13.080	*13.080	11.470	7.330	7.260	4.840	5.280	3.580			4.880	3.330	7,95
	-4,5	*13.560	*13.560	*16.110	14.680	*11.330	7.50	7.400	4.960					6.240	4.240	6,77
	-6,0					*8.040	7.910							*7.240	7.050	4,88

ZX240LC-5G

















Rating over-front



Rating over-side or 360 degrees

Unit : kg

Conditions	Load point height m	Load radius m												At max. reach		
		1,5		3,0		4,5		6,0		7,5		9,0				
																meter
Boom 6,00 m	6,0							*6.320	*6.320					*6.240	4.940	7,20
Arm 2,50 m	4,5					*8.520	*8.520	*7.050	6.430	*6.420	4.530			6.220	4.170	7,88
Counterweight	3,0					*10.880	9.220	*8.100	6.090	6.590	4.390			5.690	3.800	8,24
5.250 kg	1,5					*12.670	8.640	8.990	5.790	6.430	4.240			5.520	3.660	8,31
Shoe 600 mm	0 (Ground)					*13.250	8.420	8.780	5.600	6.320	4.140			5.670	3.730	8,10
	-1,5			*9.550	*9.550	*12.950	8.410	8.720	5.550	6.300	4.130			6.210	4.070	7,58
	-3,0			*16.120	*16.120	*11.840	8.540	8.810	5.630					7.520	4.890	6,69
	-4,5			*12.610	*12.610	*9.340	8.860							*7.840	7.140	5,23
	-6,0															
Boom 6,00 m	6,0							*5.780	*5.780	*4.930	4.670			*4.390	*4.390	7,67
Arm 2,96 m	4,5					*7.730	*7.730	*6.570	6.510	*6.020	4.580			*4.400	3.850	8,32
Counterweight	3,0					*10.110	9.430	*7.670	6.160	*6.550	4.410			*4.590	3.520	8,65
5.250 kg	1,5					*12.150	8.760	*8.750	5.830	6.440	4.250			*4.960	3.400	8,72
Shoe 600 mm	0 (Ground)					*13.110	8.440	8.790	5.610	6.300	4.120			5.240	3.450	8,52
	-1,5			*9.380	*9.380	*13.120	8.360	8.690	5.520	6.250	4.070			5.680	3.720	8,03
	-3,0	*10.880	*10.880	*15.560	*15.560	*12.300	8.440	8.730	5.550					6.690	4.360	7,20
	-4,5			*14.240	*14.240	*10.330	8.700							*7.630	5.940	5,87
	-6,0															
Boom 6,00 m	7,5													*3.560	*3.560	7,43
Arm 3,61 m	6,0							*5.030	*5.030	*4.730	*4.730			*3.420	*3.420	8,38
Counterweight	4,5							*5.860	*5.860	*5.480	4.650			*3.410	*3.410	8,97
5.250 kg	3,0					*8.950	*8.950	*7.020	6.280	*6.080	4.460	*4.450	3.330	*3.530	3.160	9,28
Shoe 600 mm	1,5					*11.270	8.940	*8.220	5.900	6.470	4.270	4.890	3.240	*3.770	3.050	9,35
	0 (Ground)			*5.400	*5.400	*12.690	8.480	8.810	5.620	6.290	4.110	4.810	3.160	*4.190	3.080	9,16
	-1,5	*5.260	*5.260	*8.610	*8.610	*13.130	8.290	8.640	5.470	6.190	4.020			*4.890	3.280	8,71
	-3,0	*8.940	*8.940	*13.080	*13.080	*12.720	8.300	8.620	5.450	6.200	4.020			5.730	3.730	7,95
	-4,5	*13.560	*13.560	*16.110	*16.110	*11.330	8.480	*8.380	5.570					*7.070	4.750	6,77
	-6,0					*8.040	*8.040							*7.240	*7.240	4,88

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EQUIPMENT

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

● : Standard equipment

○ : Optional equipment

	ZX240-5G / ZX240LC-5G
ENGINE	
Air cleaner double filters	●
Auto idle system	●
Cartridge-type engine oil filter	●
Cartridge-type fuel pre-filter	●
Cartridge-type fuel main filter	●
Dry-type air filter with evacuator valve (with air filter restriction indicator)	●
ECO/PWR mode control	●
Engine warm-up device	●
Fan guard	●
Water separator	●
Pre-cleaner	○
Dust-Proof indoor net	●
Radiator reserve tank	●
50 A alternator	●
HYDRAULIC SYSTEM	
Auto power lift	●
Control valve with main relief valve	●
Full-flow filter	●
High mesh full flow filter with restriction indicator	○
Pilot filter	●
Power boost	●
Suction filter	●
One extra port for control valve	●
Work mode selector	●

	ZX240-5G / ZX240LC-5G
CAB	
All-weather sound suppressed steel cab	●
AM-FM radio with 2 speaker	●
Ashtray	●
Auto control air conditioner	●
AUX. terminal and storage	○
Cab (Center pillar reinforced structure)	●
Drink holder	●
Drink holder with hot & cool	●
Electric double horn	●
Engine shut-off lever	●
Evacuation hammer	●
Fire extinguisher bracket	○
Floor mat	●
Fluid-filled elastic mounts (4)	●
Footrest	●
Front window washer	●
Front windows on upper, lower and left side can be opened	●
Lower cab front guard	○
Upper cab front guard	○
Glove compartment	●
Hot & cool box	●
Intermittent windshield wipers	●
Key cylinder light	●
LED room light with door courtesy	●
OPG top guard Level I (ISO10262) compliant cab	●
Pilot control shut-off lever	●
Rear tray	●
Retractable seat belt	●
Rubber radio antenna	●
Seat : mechanical suspension seat	○
Seat : air suspension seat with heater	○
Seat adjustment part : backrest, armrest, height and angle, slide forward / back	●
Short wrist control levers	●
24 V cigarette lighter	●
MONITOR SYSTEM	
Alarm buzzers: overheat, engine oil pressure	●

	ZX240-5G / ZX240LC-5G
Alarms: overheat, engine warning, engine oil pressure, alternator, minimum fuel level, hydraulic filter restriction, air filter restriction, work mode, etc	●
Display of meters: water temperature, hour, fuel rate, clock	●
Other displays: work mode, auto-idle, glow, rearview monitor, operating conditions, etc	●
32 languages selection	●

LIGHTS	
Additional cab roof front lights	○
Additional boom light with cover	○
Working lights (2)	●

UPPER STRUCTURE	
Electric fuel refilling pump	○
Fuel level float	●
Hydraulic oil level gauge	●
Rear view camera	○
Rear view mirror (right & left side)	●
Swing parking brake	●
Tool box	●
Undercover	●
6.0 mm reinforced undercover	○
Utility space	●
5.250 kg counterweight	●
5.900 kg counterweight	○
6.300 kg counterweight	○
2 x 88 Ah batteries	●

	ZX240-5G ZX240LC-5G
UNDERCARRIAGE	
Bolt-on sprocket	●
Reinforced track links with pin seals	●
Reinforced lower flange	—
Reinforced idler bracket	—
Tie down hooks (4)	●
Track guards (2)	○
Travel motor covers	●
Travel parking brake	●
9,0 mm reinforced track undercover	○
Track guard (each side) and hydraulic track adjuster	●
Upper and lower rollers	●
600 mm triple grouser shoes	●
Reinforced side step	—

FRONT ATTACHMENTS	
Centralized lubrication system	●
Dirt seal on all bucket pins	●
Flanged pin	●
HN bushing	●
Reinforced resin thrust plate	●
Reinforced link B	—
WC (tungsten-carbide) thermal spraying	●
1,00 m³ bucket (ISO heaped)	●
2,96 m arm	●
6,00 m boom	●

ATTACHMENTS	
Attachment basic piping	○
Breaker and crusher piping	○
High mesh full flow filter with restriction indicator	○
Parts for breaker and crusher	○
2 pump combined flow for attachment basic piping	○
Line filter	○

MISCELLANEOUS	
Lockable fuel refilling cap	●
Lockable machine covers	●
Onboard information controller	●
Skid-resistant tapes, plates and handrails	●
Standard tool kit	●
Travel direction mark on track frame	●
Exclusive Global e-Service telematics	●

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HITACHI

Reliable Solutions



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