HITACHI

Reliable solutions

ZAXIS 350

HYDRAULIC EXCAVATOR

Model Code ZX350LC-5B / ZX350LCN-5B
Engine Rated Power 202 kW (271 HP)
Operating Weight ZX350LC-5B : 34 100 - 35 300 kg
ZX350LCN-5B : 34 000 - 35 100 kg
Backhoe Bucket ISO Heaped : 1.40 - 2.00 m³

WALK AROUND

CONTENTS

4-5 Performance
Enhanced power, torque and speed ensure the optimum performance of every Hitachi machine.

6-7 Productivity
The new ZAXIS have a high impact on efficiency but a low impact on the environment.

8-9 Comfort
The cab of the new ZAXIS provides a safer and comfortable work space.

10-11 Durability
Hitachi is renowned for manufacturing high-quality machines that can meet the demands of the toughest job sites.

12-13 Maintenance
Easily accessible features for cleaning and routine maintenance maximise the availability of the ZAXIS 350.

14-15 Hitachi Support Chain
A wide range of after-sales services and support options is available to all our customers.

16-23 Specifications

Lower fuel costs
The TRIAS hydraulic system reaches higher yields with better fuel consumption than the previous ZAXIS model.

Added durability
The strengthened brackets on the boom end and foot are equipped with bushings to withstand rugged environments.

Faster movement
The arm recirculation cancel and hydraulic boosting systems increase the arm speed during operation.

Enhanced versatility
Two additional spools in the control valve allow for the easy installation of attachments.

The design of the new Hitachi ZAXIS 350 medium excavator is inspired by one aim – empower your vision.
It delivers on five key levels: performance, productivity, comfort, durability and reliability. We recognise that fleet owners require high-quality, efficient machines that can work effectively, even in challenging conditions. We also realise that operators need a safer, user-friendly work space, and a machine that can respond to their skills with speed and precision. And to achieve a satisfying result, on time, on budget and to a high standard, we have aimed to maximise availability of the new ZAXIS 350 with easy maintenance features and the Hitachi Support Chain after-sales programme.

Expanded leg room
The seat and console can slide further back on the new ZAXIS, providing a more comfortable working environment for the operator. The rightside console has been ergonomicaly re-designed.

Ultimate comfort
The heated air suspension seat is ideal in cold climates and absorbs vibration during operation minimising operator fatigue.

Easily accessible information
The large multi-function LCD monitor screen is easy to view in bright sunlight or darkness and provides technical data.

Quick and easy service access
The air conditioning condensor can be easily opened for cleaning the condenser and radiator. Inspection parts are conveniently located.

PERFORMANCE

The all-new ZAXIS 350 medium excavator provides the ultimate in performance. Our engineers have assessed the machine's every component to ensure that it always carries out its tasks to the highest standard. Benefiting from enhanced power, torque and speed, as well as reduced running costs, you can be assured that the ZAXIS 350 is the ideal choice for any earthmoving or construction project.

Enhanced power and speed set a new standard on the job site

Lower fuel costs

Winning tenders and meeting production targets are highly competitive processes for you to develop your business. The choice of construction machinery is of paramount importance and your success relies on the productivity and efficiency of your equipment. This is where our new TRIAS hydraulic system comes into its own.

The latest advanced hydraulic and electronic technologies are central to our goal of delivering a significant saving on fuel costs with the new low-emission engine. We are delighted that TRIAS hydraulics allow you to achieve 5% less fuel consumption in PWR mode – than the previous ZAXIS P-mode – while maintaining a high level of productivity at the same time*.

Furthermore, a reduction of 15% in fuel consumption is also possible in ECO mode*. This still delivers a relatively high level of productivity using the same amount of fuel.

Higher level of performance

A smooth, fast and precise machine is every operator's dream – and that's exactly what the ZAXIS 350 offers. Our latest innovations have been developed specifically for the new generation of Hitachi medium excavators.

The hydraulic boosting system and other hydraulic systems enable the arm roll-in speed to increase when the load is relatively low. Our tried-and-tested power-boost feature has also increased by 10%* to deliver an enhanced level of excavating performance and lifting power.

The versatility of the ZAXIS 350 may be evidenced by the attachment support system, with 11 modes that can be registered on the monitor for the easy fitment of different attachments. These two auxiliary spools are useful for attachments that require multiple, large volumes of oil flow.

Larger digging force allows efficient extraction of hard or compacted material.

** Based upon typical work pattern collected via Global e-Service*

Key features

- 5% reduction in fuel consumption (PWR mode vs ZX-3 P-mode)*
- 15% reduction in fuel consumption (ECO mode vs ZX-3 P-mode)*
- New TRIAS hydraulic system higher productivity and less fuel consumption
- Attachment support system
- Power-boost
- Increased lifting capacity
- Larger swing power and digging force
- Two additional spools

PRODUCTIVITY

The new ZAXIS 350 medium excavator has been designed with the environment in mind. Built to comply with the latest EU regulations on emissions standards, the machine helps to reduce your carbon footprint while still maintaining productivity on the job site. With a wide range of eco-friendly features, you can rely on the ZAXIS 350 to have a positive impact on efficiency while ensuring an immediate return on your initial investment.

Striking a balance between powerful and sustainable efficiency

Sustainable efficiency

We are dedicated to the sustainable development of the Hitachi product range, particularly for use on urban job sites. Therefore, the new ZAXIS 350 is a sign of our commitment to minimising the impact of construction machinery on the environment in compliance with EU emission control Stage IIIB.

The ZAXIS 350 has been fitted with a muffler filter to capture air pollutants, which is automatically burnt thanks to an oxidation catalyst and exhaust temperature control. The variable geometry turbocharger and high volume-cooled EGR (Exhaust Gas Recirculation) also help to reduce nitrous oxide levels.

As well as reducing emissions, the ZAXIS 350's Auto Shut-down helps to prevent fuel wastage and lowers the level of noise in the cab.

In addition, all resin parts on the new ZAXIS medium excavator range are suitable for recycling and clearly marked for ease of use in this process.

Powerful efficiency

We are also focusing on finding the right balance between people, planet and profit. So, we have assessed the total cost of ownership for the new ZAXIS 350 to ensure that your new machine contributes to the profitability of your business.

The powerful new-generation Stage IIIB-compliant engine in the ZAXIS 350 delivers higher productivity, with greater fuel efficiency and is fitted with state-of-the-art controls throughout all of the components. The TRIAS hydraulic system has also been developed to reach higher yields with better fuel consumption than the previous ZAXIS model.

Hitachi medium excavators are renowned for their powerful and reliable performance, especially when there are daily targets and ultimate deadlines to meet on busy job sites. The latest range of ZAXIS models have been designed for increased productivity without burdening the environment through sustainable operations.

Key features

- Powerful and sustainable
- Stage IIIB-compliant engine
- Muffler filter that captures particulate matter
- Variable geometry turbocharger
- High volume-cooled EGR system
- TRIAS hydraulic system – fuel efficiency and higher productivity
- Environmentally friendly design
- Auto Shut-down – fuel saving for carbon dioxide reduction

COMFORT

We believe that comfort and safety is the key to productivity. We consulted with our customers from all over the world to ensure that the ZAXIS 350 medium excavator exceeds the expectations of those who matter the most – the operators. The new model offers an all-round comfortable working environment, enhanced visibility and a wide range of user-friendly features to set it apart from the competition.

Inside and out, the new ZAXIS medium excavators lead the way

From the comfort of the cab

After a long shift on a road construction site or in the quarry, you need to feel ready to enjoy the rest of your day. Hitachi has taken the lead in operator comfort with the new ZAXIS 350, so that you can do just that.

The fully adjustable air-suspension seat features a new sliding mechanism with the capacity to be moved back further than ever before. The space underneath the monitor has also been expanded to allow for more leg room. The pressurized cab keeps dust and particles from entering.

All-round visibility

Busy construction sites demand your full attention to avoid unnecessary damage or health and safety issues. The enhanced visibility – especially down the right-hand side of the new ZAXIS – will also save you time (and money), thanks to the latest innovations from Hitachi.

The repositioning of the monitor and door enhances your view, as well as making access to and from the cab much easier. The latest rear-view camera offers a closer view of the counterweight to minimise the blind spot.

User-friendly functionality

Hitachi has invested heavily in the advanced technology inherent within the new ZAXIS. The power remains firmly at your fingertips thanks to the functionality of the colour monitor and ergonomic controls.

The new multi-function LCD monitor has a large seven-inch screen that is easy to view. It provides a wide range of useful technical information, including a clear indication of the machine's status and settings with multi-lingual support in up to 32 languages. The monitor and ergonomically designed switches have been grouped together within easy reach of your right hand. The proportional switch in the new, optional, auxiliary function lever allows easy control of the front attachment.

Enjoy your work

Time flies when you're having fun, but we also realise that a happy operator is also a more productive one. That's why we have renewed our focus on providing a relaxed and enjoyable working environment within the cab.

The controls for the AM/FM stereo radio are now fully adjustable from the colour monitor. An auxiliary terminal has also been added to the sound system, so that you can work efficiently and smoothly to your favourite music via devices such as MP3 players and the inclusion of storage for an MP3 player.

Key features

- High-spec ROPS pressurised cab
- Enhanced visibility
- New colour LCD monitor
- Easily accessible real-time information
- Expansive leg room
- Ergonomically designed control panel
- Auxiliary terminal and storage for an MP3 player

DURABILITY

Hitachi is regarded as a market leader in high-quality construction machinery. We have more than 40 years experience in the manufacture of mechanical and hydraulic equipment and our ZAXIS medium excavators, including the new ZAXIS 350, are designed to withstand some of the toughest working environments. Our advanced technological approach enables us to offer complete solutions to meet your requirements.

Build to conquer tough working environments

Durable parts

The new ZAXIS 350 has been designed to operate in the most challenging of working conditions. Tough job sites require reliable machines, which deliver increased levels of availability and productivity. The bottom line is that you will enjoy a lower cost of ownership thanks to the durability of our medium excavators.

The strengthened boom end and foot on each new ZAXIS 350 are good examples. The brackets on the boom end and foot have been equipped with bushings to enhance their durable characteristics and withstand the rigours of long hours in rugged environments.

A filter-type high-performance water separator is provided standard. It captures moisture in fuel, even from fuel which contains a large amount of moisture.

Reinforced undercarriage

The front idler and adjuster cylinder have been reinforced on the ZAXIS 350 for added durability. In addition, mud no longer sticks to the adjuster cylinder.

Reliability has been further addressed with increase in the welded section parts that comprise the X-beam. The travel motor brackets' upper and lower plates have been extended, which has delivered a 40% reduction in stress.

ROPS-compliant cab

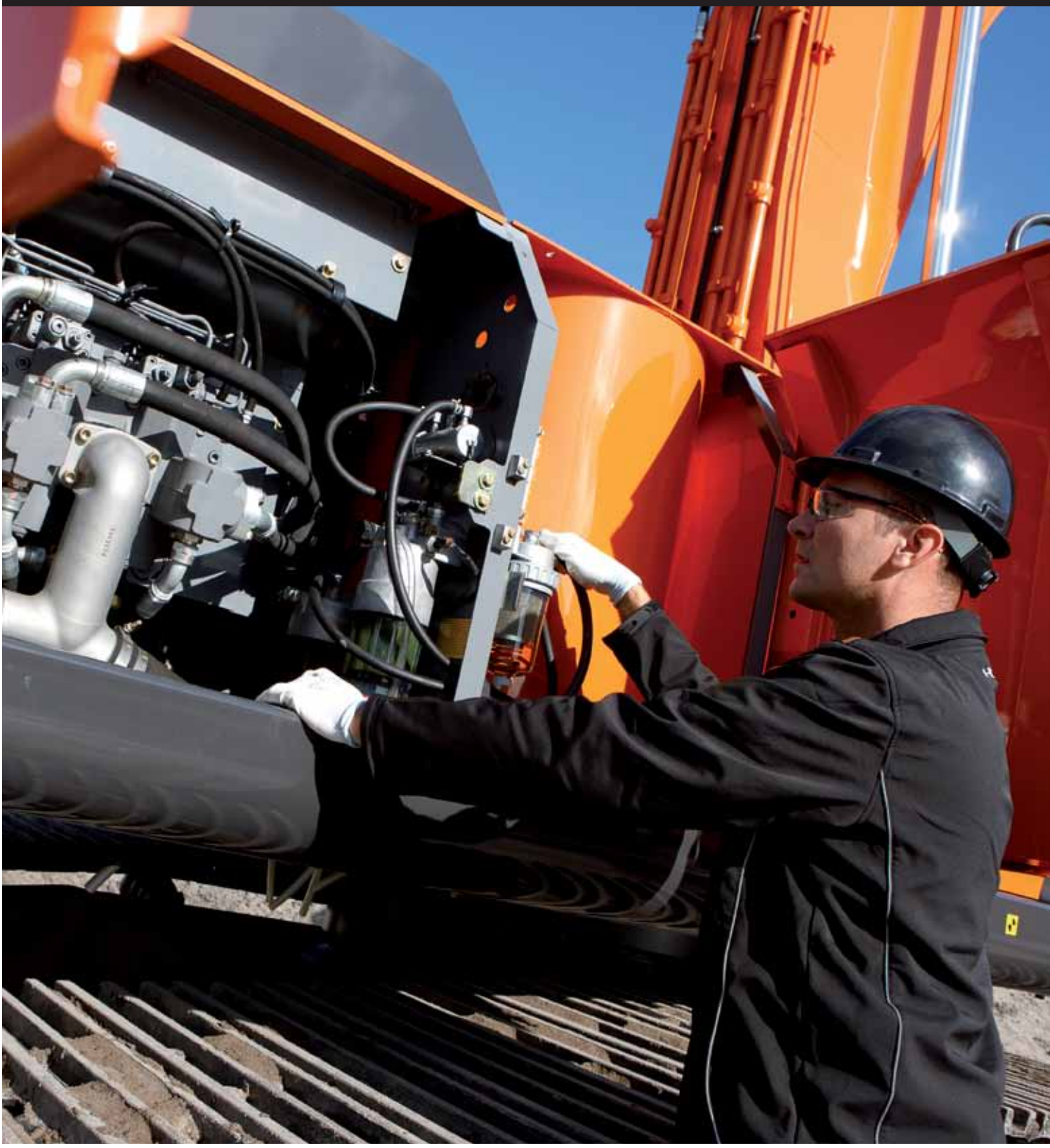
The pressurised and ROPS-compliant CRES V (Center pillar reinforced structure) cab prevents the penetration of dust and protects you from the potential risks of the job site. The Roll-over Protective Structure (ROPS) is designed to protect the operator in the unlikely event of the machine tipping or rolling over.

Key features

- Proven Hitachi quality
- More than 40 years of expertise
- Strengthened front attachment
- Reinforced undercarriage

MAINTENANCE

Hitachi construction machinery is renowned for its quality and reliability and is often operated in the most remote and toughest job sites around the world. Wherever you use your ZAXIS 350 medium excavator, you can be assured of the highest levels of availability, regardless of location, as well as a range of easily accessible features for routine cleaning and maintenance.



Keep working for longer thanks to user-friendly accessible features

Easy access

We have made life easier for you by introducing a range of convenient features integrated within the new ZAXIS range of medium excavators. Our engineers have assessed your requirements and integrated a number of time-saving factors for routine maintenance.

Using the technology within the multi-function LCD monitor you can check engine oil volumes and see the warning light that appears when the hydraulic oil and fuel filters are due for replacement. In addition, you can set the routine service schedule to help prevent breakdowns each time the ignition switch is turned on.

On the exterior of the ZAXIS 350, the air conditioning condenser can be easily opened for cleaning the condenser and radiator. Severe blockages can also be cleared by blowing air through the convenient one-touch openable upper cover above the radiator.

From ground level, you can replace the fuel filters, engine oil filter and air cleaner, and other work is aided by non-slip steps for easy access to the upper structure of the machine.

Easy cleaning

We believe that easy routine maintenance enhances the levels of productivity and availability for your machine. That's why we have designed the ZAXIS 350 with a series of convenient and quick solutions, so that you can enjoy long, trouble-free days on the job site.

The interior anti-dust filter is a good example of these initiatives. It has been placed on the outside of the air conditioning condenser and fuel cooler. The oil cooler has been placed separately.

Key features

- Global e-Service monitors muffler filter
- Daily checks from ground level
- Oil volumes checked from the operator's seat
- Quick and easy service access

SUPPORT CHAIN

As soon as you become a Hitachi customer, you can rely on first-class after-sales service from your authorised dealer. Hitachi provides extensive support to each of the dealers within the European network, so that they can ensure your ZAXIS 350 continues to meet your requirements and exceed expectations. To further protect your investment in Hitachi construction machinery, we have introduced the Hitachi Support Chain after-sales programme. This gives you the flexibility to create a tailor-made service plan from the the following key-areas, “links” in the chain of service available from Hitachi via your local dealer.

A flexible after-sales programme created to protect your investment

Global e-Service

The new ZAXIS excavator is equipped with a GPRS communication system*. This sends a wide range of machine data to the Hitachi main server. Via the Global e-Service database, you will have remote access to all of this data. All you need is an internet connection and your Global e-Service log-in details.

Global e-Service enables you and your dealer to download and share this data, helping you to remotely manage your fleet. The online facility also helps your dealer to proactively advise you on preventive maintenance and related special offers.

The latest information on the ZAXIS excavator is available 24/7 and includes operational data, such as the number of working hours, fuel consumption figures, working modes and location. This helps you to reduce running costs, plan jobs efficiently and keep up to date with machine maintenance – to ensure optimum performance and minimal downtime.

Technical support

The professional and highly trained Hitachi service team combines the global expertise and knowledge of Hitachi Construction Machinery with your local language and culture. We take a proactive approach towards customer service by continuously training our dealer personnel, so that the available global knowledge is passed on to each individual technician in our dealer network.

Extended warranty and service contracts

Every new Hitachi model is covered by a full manufacturer's warranty. However, your ZAXIS excavator may require extra protection due to severe working conditions or to minimise equipment repair costs. To meet these demands, our dealers offer the option of a unique extended warranty programme (HELP – Hitachi Extended Life Program) and comprehensive service contracts – the most effective way to optimise the performance of your new ZAXIS excavator.

Parts and Remanufactured Components

Hitachi offers different lines of parts and components to suit your specific needs. In addition to our range of genuine parts, there are other options available:

- If your machines have been working for several years, Hitachi can offer a second line of genuine parts as an attractively priced solution.
- For that highly demanding application or climate, Hitachi provides a line of parts with extra performance.
- When you are looking for an economical solution for preventive replacements, remanufactured components are the best option.

Whatever choice you make, you can be assured of the renowned Hitachi quality and warranty to give you added peace of mind.

Your Hitachi dealer can supply you with more details on each of the above parts lines.

SUPPORT CHAIN

** The GPRS communication system is standard equipment for new ZAXIS excavators, however, the availability of the communication system depends on licensing regulations in your country. Please contact your Hitachi dealer for more information or to apply for a Global e-Service account.*

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 AL-6HK1X
Type	4-cycle water-cooled, common rail direct injection
Aspiration	Variable geometry turbocharged, intercooled, cooled EGR
Aftertreatment	Muffler filter
No. of cylinders	6
Rated power	
ISO 9249, net	202 kW (271 HP) at 1 900 min^{-1} (rpm)
EEC 80/1269, net	202 kW (271 HP) at 1 900 min^{-1} (rpm)
SAE J1349, net	202 kW (271 HP) at 1 900 min^{-1} (rpm)
Maximum torque	1 080 Nm (110 kgfm) at 1 500 min^{-1} (rpm)
Piston displacement	7.790 L
Bore and stroke	115 mm x 125 mm
Batteries	2 x 12 V / 128 Ah

HYDRAULIC SYSTEM

Hydraulic pumps

Main pumps	3 variable displacement axial piston pumps
Maximum oil flow	2 x 288 L/min 1 x 260 L/min
Pilot pump	1 gear pump
Maximum oil flow	36.4 L/min

Hydraulic Motors

Travel	2 variable displacement axial piston motors
Swing	1 swash plate 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	34.3 MPa (350 kgf/cm^2)
Pilot circuit	3.9 MPa (40 kgf/cm^2)
Power boost	38.0 MPa (388 kgf/cm^2)

Hydraulic Cylinders

	Quantity	Bore	Rod diameter
Boom	2	145 mm	100 mm
Arm	1	170 mm	115 mm
Bucket	1	140 mm	95 mm
Positioning *1	1	170 mm	110 mm

*1 : 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	9.7 min^{-1} (rpm)
Swing torque	120 kNm (12 240 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
Track shoes	48
Track guard	3

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 5.0 km/h Low : 0 to 3.2 km/h
Maximum traction force	298 kN (29 200 kgf)
Gradeability	70% (35 degree) continuous

SOUND LEVEL

Sound level in cab according to ISO 6396	LpA 70 dB(A)
External sound level according to ISO 6395 and EU Directive 2000/14/EC	LwA 104 dB(A)

SERVICE REFILL CAPACITIES

Fuel tank	630.0 L
Engine coolant	40.0 L
Engine oil	48.0 L
Swing device	15.7 L
Travel device (each side)	9.2 L
Hydraulic system	340.0 L
Hydraulic oil tank	180.0 L

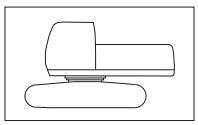
WEIGHTS AND GROUND PRESSURE

Operating weight and Ground pressure

			ZAXIS 350LC				ZAXIS 350LCN			
Boom type			Monoblock		2-Piece		Monoblock		2-Piece	
Shoe type	Shoe width	Arm length	kg	kPa(kgf/cm²)	kg	kPa(kgf/cm²)	kg	kPa(kgf/cm²)	kg	kPa(kgf/cm²)
Triple grouser	600 mm	2.33 m	34 100	64 (0.65)	34 700	65 (0.66)	34 000	64 (0.65)	34 600	65 (0.66)
		2.67 m	34 200	64 (0.65)	34 800	65 (0.66)	34 100	64 (0.65)	34 700	65 (0.66)
		3.20 m	34 300	64 (0.65)	34 900	66 (0.67)	34 200	64 (0.65)	34 800	65 (0.66)
	700 mm	2.33 m	34 500	55 (0.56)	35 100	56 (0.57)	34 400	55 (0.56)	35 000	56 (0.57)
		2.67 m	34 600	56 (0.57)	35 200	57 (0.58)	34 500	55 (0.56)	35 100	56 (0.57)
		3.20 m	34 700	56 (0.57)	35 300	54 (0.58)	34 500	55 (0.56)	35 100	56 (0.57)

Including 1.40 m³ (ISO heaped), bucket weight (1 180 kg) and counterweight (7 600 kg).

Basic Machine Weight and Overall width



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

ZAXIS 350LC

Shoe width	Weight	Overall width
600 mm	26 500 kg	3 190 mm
700 mm	26 800 kg	3 290 mm

ZAXIS 350LCN

Shoe width	Weight	Overall width
600 mm	26 400 kg	2 990 mm
700 mm	26 700 kg	3 090 mm

Components weight

	Weight
Counterweight	7 600 kg
Monoblock boom (with arm cylinder and boom cylinder)	3 870 kg
2-Piece boom (with arm cylinder and boom cylinder)	4 480 kg
2.33 m arm (with bucket cylinder)	1 430 kg
2.67 m arm (with bucket cylinder)	1 520 kg
3.20 m arm (with bucket cylinder)	1 600 kg
1.40 m³ bucket	1 180 kg

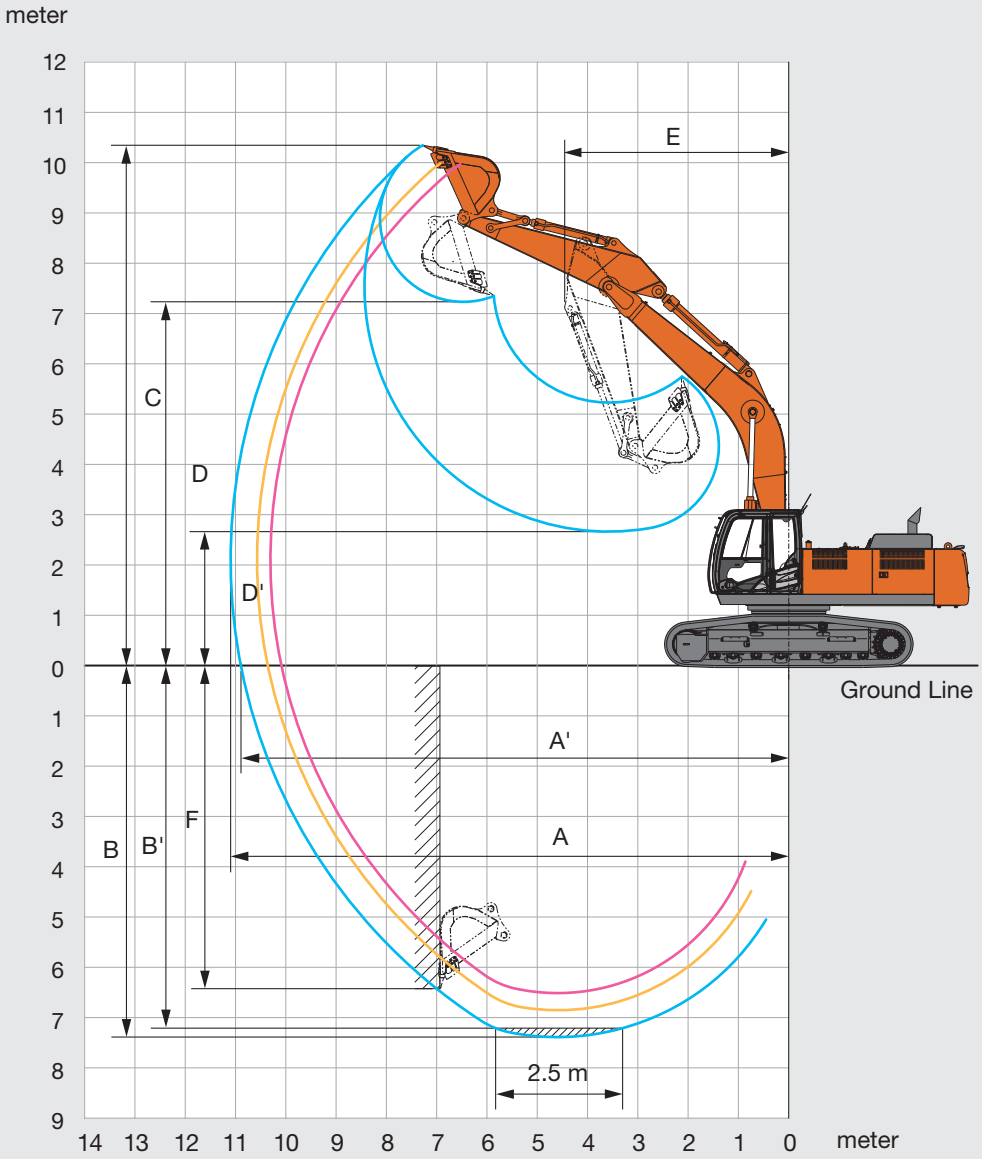
BUCKET AND ARM DIGGING FORCE

	ZAXIS 350LC / ZAXIS 350LCN		
Arm length	2.33 m	2.67 m	3.20 m
Bucket digging force* ISO	246 kN (25 100 kgf)		
Bucket digging force* SAE : PCSA	214 kN (21 800 kgf)		
Arm crowd force* ISO	250 kN (25 500 kgf)	222 kN (22 700 kgf)	185 kN (18 900 kgf)
Arm crowd force* SAE : PCSA	239 kN (24 400 kgf)	213 kN (21 700 kgf)	177 kN (18 100 kgf)

* At power boost

SPECIFICATIONS

WORKING RANGES: MONOBLOCK BOOM

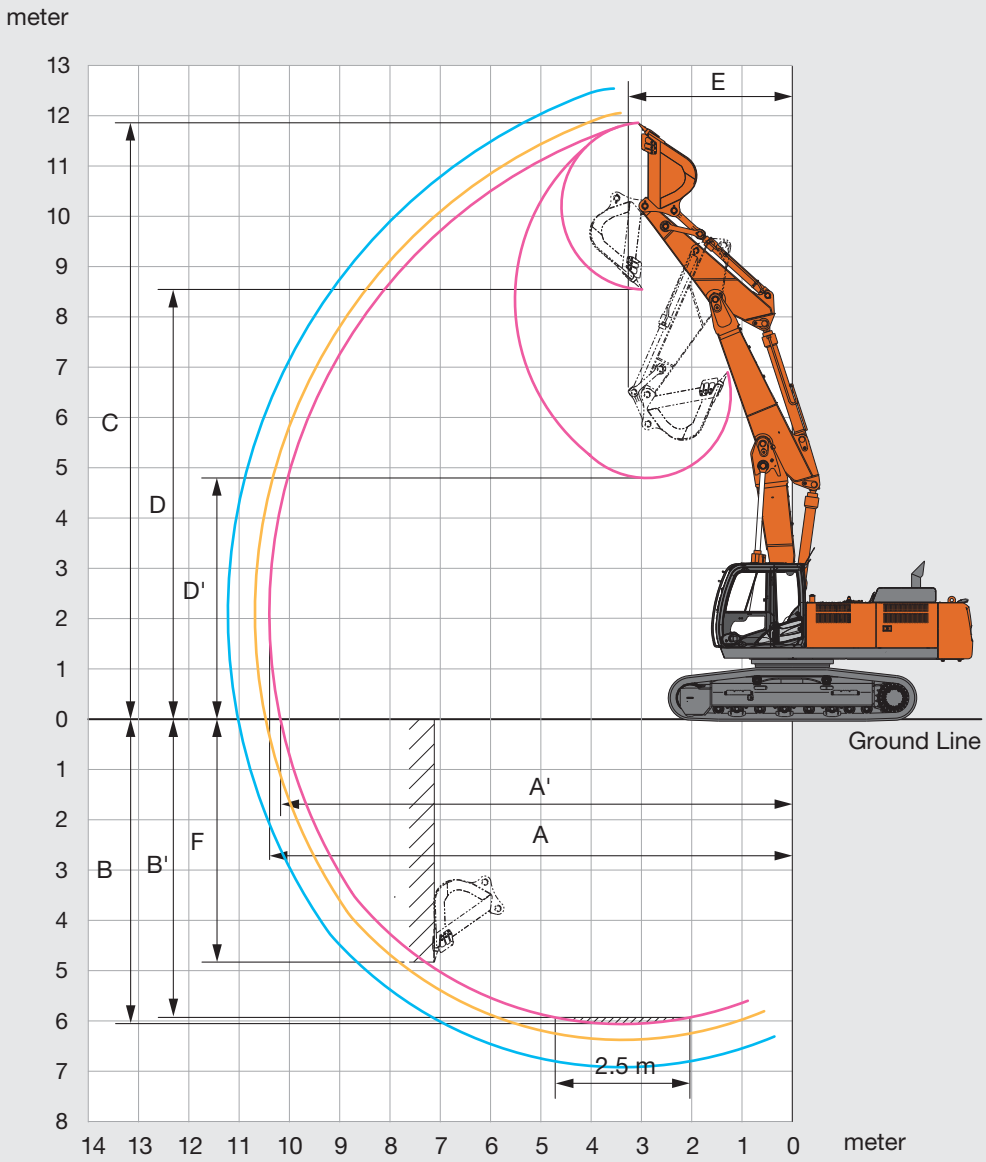


Unit: mm

	ZAXIS 350LC / ZAXIS 350LCN		
	6.40 m Monoblock boom		
Arm length	2.33 m	2.67 m	3.20 m
A Max. digging reach	10 310	10 570	11 100
A' Max. digging reach (on ground)	10 080	10 360	10 890
B Max. digging depth	6 500	6 840	7 380
B' Max. digging depth for 2.5 m level	6 300	6 640	7 210
C Max. cutting height	9 980	9 990	10 360
D Max. dumping height	6 900	6 940	7 240
D' Min. dumping height	3 580	3 210	2 680
E Min. swing radius	4 460	4 610	4 460
F Max. vertical wall digging depth	5 330	5 510	6 420

Excluding track shoe lug

WORKING RANGES: 2-PIECE BOOM



Unit: mm

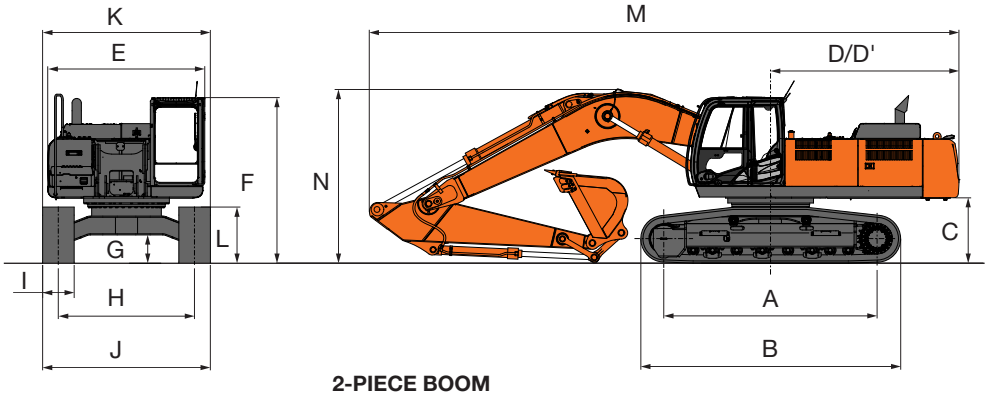
	ZAXIS 350LC / ZAXIS 350LCN		
	6.39 m 2-Piece boom		
Arm length	2.33 m	2.67 m	3.20 m
A Max. digging reach	10 390	10 680	11 220
A' Max. digging reach (on ground)	10 170	10 470	11 020
B Max. digging depth	6 040	6 360	6 900
B' Max. digging depth for 2.5 m level	5 930	6 250	6 800
C Max. cutting height	11 870	12 060	12 550
D Max. dumping height	8 550	8 750	9 240
D' Min. dumping height	4 810	4 330	3 650
E Min. swing radius	3 250	3 120	2 890
F Max. vertical wall digging depth	4 820	5 090	5 780

Excluding track shoe lug

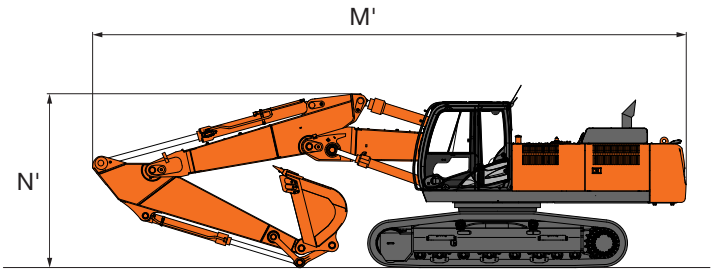
SPECIFICATIONS

DIMENSIONS

MONOBLOCK BOOM



2-PIECE BOOM



Unit: mm

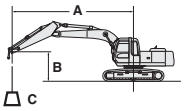
	ZAXIS 350LC	ZAXIS 350LCN
A Distance between tumblers	4 050	4 050
B Undercarriage length	4 950	4 950
* C Counterweight clearance	1 160	1 160
D Rear-end swing radius	3 600	3 600
D' Rear-end length	3 590	3 590
E Overall width of upperstructure	2 990	2 990
F Overall height of cab	3 150	3 150
* G Min. ground clearance	500	500
H Track gauge	2 590	2 390
I Track shoe width	G 600	G 600
J Undercarriage width	3 190	2 990
K Overall width	3 190	2 990
* L Track height with triple grouser shoes	1 070	1 070
MONOBLOCK BOOM		
M Overall length		
With 2.33 m arm	11 390	11 390
With 2.67 m arm	11 350	11 350
With 3.20 m arm	11 220	11 220
N Overall height of boom		
With 2.33 m arm	3 510	3 510
With 2.67 m arm	3 470	3 470
With 3.20 m arm	3 270	3 270
2-PIECE BOOM		
M' Overall length		
With 2.33 m arm	11 370	11 370
With 2.67 m arm	11 330	11 330
With 3.20 m arm	11 290	11 290
N' Overall height of boom		
With 2.33 m arm	3 380	3 380
With 2.67 m arm	3 370	3 370
With 3.20 m arm	3 310	3 310

* 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.

For lifting capacities, subtract bucket and quick hitch weight from lifting capacities.



A: Load radius
B: Load point height
C: Lifting capacity

ZAXIS 350LC MONOBLOCK BOOM

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

Conditions	Load point height m	Load radius 1.5		3.0		4.5		6.0		7.5		9.0		At max. reach		
																meter
Boom 6.40 m	6.0							*10 960	10 350	*10 180	7 280			*10 170	6 960	7.70
Arm 2.33 m	4.5					*15 930	15 080	*12 260	9 900	*10 580	7 110			9 310	6 070	8.30
Counterweight	3.0							*13 780	9 370	10 680	6 870			8 680	5 630	8.60
7 600 kg	1.5							14 550	8 970	10 440	6 660			8 530	5 500	8.62
Shoe 600 mm	0 (Ground)							14 310	8 770	10 290	6 530			8 820	5 660	8.38
	-1.5					*19 030	13 240	14 280	8 740	10 290	6 530			9 700	6 190	7.84
	-3.0			*20 620	*20 260	*16 680	13 470	*12 960	8 890					*10 650	7 400	6.93
	-4.5					*12 230	*12 230							*9 730	*9 730	5.47
	-6.0															
Boom 6.40 m	6.0							*10 430	*10 430	*9 690	7 340			*9 550	6 590	8.00
Arm 2.67 m	4.5					*15 030	*15 030	*11 780	9 970	*10 210	7 140			8 860	5 780	8.58
Counterweight	3.0					*18 500	14 040	*13 360	9 420	10 690	6 880			8 280	5 370	8.87
7 600 kg	1.5							14 560	8 970	10 420	6 640			8 130	5 240	8.89
Shoe 600 mm	0 (Ground)					*20 300	13 080	14 270	8 720	10 240	6 480			8 380	5 370	8.65
	-1.5			*13 900	*13 900	*19 460	13 110	14 190	8 660	10 200	6 440			9 140	5 830	8.13
	-3.0			*22 390	*22 390	*17 380	13 310	*13 420	8 770					*10 500	6 850	7.26
	-4.5			*17 050	*17 050	*13 510	*13 510							*10 040	9 390	5.88
	-6.0															
Boom 6.40 m	6.0									*9 020	7 440			*6 310	5 930	8.58
Arm 3.20 m	4.5							*11 010	10 130	*9 660	7 220	*7 470	5 400	*6 340	5 270	9.12
Counterweight	3.0					*17 250	14 430	*12 710	9 560	*10 520	6 930	8 130	5 280	*6 560	4 930	9.39
7 600 kg	1.5					*19 780	13 500	*14 170	9 060	10 450	6 660	7 980	5 140	*7 010	4 820	9.42
Shoe 600 mm	0 (Ground)					*20 550	13 100	14 300	8 740	10 230	6 460	7 880	5 050	7 650	4 910	9.19
	-1.5			*13 330	*13 330	*20 010	13 030	14 150	8 610	10 140	6 380			8 240	5 270	8.70
	-3.0	*15 640	*15 640	*21 080	*21 080	*18 380	13 160	*14 010	8 660	10 200	6 440			9 510	6 040	7.90
	-4.5			*20 080	*20 080	*15 230	13 490	*11 480	8 900					*9 770	7 780	6.66
	-6.0															

ZAXIS 350LCN MONOBLOCK BOOM

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

Conditions	Load point height m	Load radius 1.5		3.0		4.5		6.0		7.5		9.0		At max. reach		
																meter
Boom 6.40 m	6.0							*10 960	9 590	*10 180	6 750			*10 170	6 460	7.70
Arm 2.33 m	4.5					*15 930	13 820	*12 260	9 140	*10 580	6 590			9 290	5 620	8.30
Counterweight	3.0							*13 780	8 630	10 660	6 350			8 660	5 210	8.60
7 600 kg	1.5							14 520	8 240	10 420	6 140			8 510	5 080	8.62
Shoe 600 mm	0 (Ground)							14 280	8 040	10 270	6 010			8 800	5 220	8.38
	-1.5					*19 030	12 040	14 250	8 020	10 270	6 010			9 680	5 710	7.84
	-3.0			*20 620	*20 260	*16 680	12 260	*12 960	8 160					*10 650	6 820	6.93
	-4.5					*12 230	*12 230							*9 730	9 720	5.47
	-6.0															
Boom 6.40 m	6.0							*10 430	9 670	*9 690	6 810			*9 550	6 110	8.00
Arm 2.67 m	4.5					*15 030	14 030	*11 780	9 210	*10 210	6 610			8 840	5 350	8.58
Counterweight	3.0					*18 500	12 800	*13 360	8 680	10 670	6 360			8 270	4 970	8.87
7 600 kg	1.5							14 530	8 240	10 400	6 120			8 120	4 840	8.89
Shoe 600 mm	0 (Ground)					*20 300	11 880	14 240	8 000	10 220	5 960			8 360	4 950	8.65
	-1.5			*13 900	*13 900	*19 460	11 900	14 170	7 930	10 180	5 930			9 120	5 370	8.13
	-3.0			*22 390	*22 390	*17 380	12 090	*13 420	8 040					*10 500	6 310	7.26
	-4.5			*17 050	*17 050	*13 510	*12 510							*10 040	8 630	5.88
	-6.0															
Boom 6.40 m	6.0									*9 020	6 910			*6 310	5 500	8.58
Arm 3.20 m	4.5							*11 010	9 370	*9 660	6 690	*7 470	5 000	*6 340	4 880	9.12
Counterweight	3.0					*17 250	13 180	*12 710	8 810	*10 520	6 410	8 110	4 880	*6 560	4 550	9.39
7 600 kg	1.5					*19 780	12 280	*14 170	8 320	10 430	6 140	7 970	4 740	*7 010	4 440	9.42
Shoe 600 mm	0 (Ground)					*20 550	11 890	14 270	8 010	10 210	5 950	7 870	4 650	7 640	4 520	9.19
	-1.5			*13 330	*13 330	*20 010	11 820	14 120	7 890	10 120	5 860			8 230	4 850	8.70
	-3.0	*15 640	*15 640	*21 080	*21 080	*18 380	11 950	*14 010	7 930	10 180	5 920			9 490	5 560	7.90
	-4.5			*20 080	*20 080	*15 230	12 270	*11 480	8 170					*9 770	7 160	6.66
	-6.0															

LIFTING CAPACITIES

ZAXIS 350LC 2-PIECE BOOM

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

Conditions	Load point height m	Load radius 1.5		3.0		4.5		6.0		7.5		9.0		At max. reach		
																meter
2-Piece Boom 6.39 m Arm 2.33 m Counterweight 7 600 kg Shoe 600 mm	9.0					*12 450	*12 450							*11 230	*11 230	5.26
	7.5					*12 130	*12 130	*10 050	*10 050					*8 830	8 410	6.83
	6.0					*13 520	*13 520	*10 360	*10 360	*8 750	7 260			*7 800	6 700	7.80
	4.5			*19 270	*19 270	*17 720	*15 560	*11 530	10 250	*8 990	7 260			*7 320	5 860	8.40
	3.0			*25 820	*25 820	*19 560	15 110	*13 540	10 320	*9 630	7 090			*7 170	5 450	8.69
	1.5			*24 400	*24 400	*20 600	14 840	14 840	9 790	10 440	6 850			*7 300	5 350	8.72
	0 (Ground)			*31 750	27 110	*20 690	14 080	*15 050	9 360	10 460	6 610			*7 720	5 520	8.47
	-1.5	*29 010	*29 010	*31 750	26 910	*20 920	13 750	14 690	9 000	*10 260	6 500			*7 710	6 060	7.94
	-3.0	*38 050	*38 050	*28 680	27 210	*18 750	13 680	*11 960	8 920					*7 010	*7 010	6 .91
	-4.5															
	-6.0															
2-Piece Boom 6.39 m Arm 2.67 m Counterweight 7 600 kg Shoe 600 mm	9.0					*11 670	*11 670							*9 960	*9 960	5.73
	7.5					*11 530	*11 530	*9 570	*9 570					*8 070	7 790	7.19
	6.0			*14 880	*14 880	*12 750	*12 750	* 9 930	*9 930	*8 330	7 400			*7 210	6 310	8.12
	4.5			*22 660	*22 660	*16 320	15 570	*11 030	10 260	*8 650	7 360			*6 800	5 560	8.70
	3.0			*25 760	*25 760	*19 980	15 140	*12 860	10 420	*9 310	7 170			*6 680	5 180	8.98
	1.5			*28 880	28 500	*20 510	15 000	14 770	9 850	*10 130	6 900	*6 800	5 080	*6 800	5 070	9.00
	0 (Ground)	*18 560	*18 560	*31 660	27 200	*20 560	14 140	*14 700	9 380	*10 440	6 630			*7 180	5 220	8.77
	-1.5	*25 990	*25 990	*32 030	26 810	*20 840	13 710	14 700	9 000	10 290	6 450			*7 730	5 680	8.25
	-3.0	*33 750	*33 750	*29 740	26 980	*19 600	13 610	*13 110	8 830					*6 470	*6 470	7.36
	-4.5			*20 170	*20 170	*12 020	*12 020							*10 600	*10 600	4.80
	-6.0															
2-Piece Boom 6.39 m Arm 3.20 m Counterweight 7 600 kg Shoe 600 mm	10.5													*9 340	*9 340	4.38
	9.0							*9 110	*9 110					*7 290	*7 290	6.55
	7.5							*8 930	*8 930	*7 700	7 480			*6 540	*6 540	7.86
	6.0					*11 710	*11 710	*9 320	*9 320	*7 810	7 570			*6 230	5 670	8.72
	4.5			*24 820	*24 820	*14 470	*14 470	*10 230	*10 250	*8 190	*7 450	*6 820	5 360	*6 060	5 060	9.25
	3.0	*19 640	*19 640	*25 510	*25 510	*19 820	15 260	*12 020	*10 240	*8 850	7 260	*7 250	5 280	*5 970	4 750	9.52
	1.5			*27 740	*27 740	*20 500	15 360	*14 270	10 010	*9 700	7 060	7 610	5 140	*6 060	4 650	9.54
	0 (Ground)	*16 090	*16 090	*30 730	27 640	*20 460	14 350	14 670	9 470	10 380	6 740	7 840	5 010	*6 370	4 760	9.32
	-1.5	*21 680	*21 680	*32 180	26 900	*20 650	13 780	14 840	9 120	10 330	6 480			*6 960	5 120	8.84
	-3.0	*26 990	*26 990	*31 020	26 820	*20 460	13 600	*14 400	8 830	*9 240	6 410			*6 130	5 890	8.05
	-4.5	*29 890	*29 890	*25 240	*25 240	*15 760	13 590	*9 050	8 900					*7 770	*7 770	6.26
	-6.0															

ZAXIS 350LCN 2-PIECE BOOM

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

Conditions	Load point height m	Load radius 1.5		3.0		4.5		6.0		7.5		9.0		At max. reach		
																meter
2-Piece Boom 6.39 m Arm 2.33 m Counterweight 7 600 kg Shoe 600 mm	9.0					*12 450	*12 450							*11 230	*11 230	5.26
	7.5					*12 130	*12 130	*10 050	9 920					*8 830	7 780	6.83
	6.0					*13 520	*13 520	*10 360	9 820	*8 750	6 720			*7 800	6 200	7.80
	4.5			*19 270	*19 270	*17 720	14 470	*11 530	9 600	*8 990	6 720			*7 320	5 410	8.40
	3.0			*25 820	*25 820	*19 560	*14 430	*13 450	9 540	*9 630	6 550			*7 170	5 030	8.69
	1.5			*24 400	*24 400	*20 600	13 560	14 810	9 020	*10 440	6 310			*7 300	4 920	8.72
	0 (Ground)			*31 750	23 990	*20 690	12 830	*15 050	8 600	10 440	6 080			*7 720	5 080	8.47
	-1.5	*29 010	*29 010	*31 750	23 810	*20 920	12 500	14 660	8 250	*10 260	5 980			*7 710	5 570	7.94
	-3.0	*38 050	*38 050	*28 680	24 090	*18 750	12 440	*11 960	8 170					*7 010	6 800	6.91
	-4.5															
	-6.0															
2-Piece Boom 6.39 m Arm 2.67 m Counterweight 7 600 kg Shoe 600 mm	9.0					*11 670	*11 670							*9 960	*9 960	5.73
	7.5					*11 530	*11 530	*9 570	*9 570					*8 070	7 210	7.19
	6.0			*14 880	*14 880	*12 750	*12 750	*9 930	*9 810	*8 330	6 860			*7 210	5 840	8.12
	4.5			*22 660	*22 660	*16 320	14 500	*11 030	9 600	*8 650	6 820			*6 800	5 130	8.70
	3.0			*25 670	*25 670	*19 980	14 010	*12 860	9 640	*9 310	6 630			*6 680	4 770	8.98
	1.5			*28 880	25 290	*20 510	13 710	14 740	9 080	*10 130	6 360	*6 800	4 670	*6 800	4 670	9.00
	0 (Ground)	*18 560	*18 560	*31 660	24 070	*20 560	12 880	*14 700	8 620	10 420	6 100			*7 180	4 800	8.77
	-1.5	*25 990	*25 990	*32 030	23 710	*20 840	12 470	14 670	8 260	10 270	5 930			*7 730	5 220	8.25
	-3.0	*33 750	*33 750	*29 740	23 860	*19 600	12 370	*13 110	8 090					*6 470	6 180	7.36
	-4.5			*20 170	*20 170	*12 020	*12 020							*10 600	*10 600	4.80
	-6.0															
2-Piece Boom 6.39 m Arm 3.20 m Counterweight 7 600 kg Shoe 600 mm	10.5													*9 340	*9 340	4.38
	9.0							*9 110	*9 110					*7 290	*7 290	6.55
	7.5							*8 930	*8 930	*7 700	6 950			*6 540	6 300	7.86
	6.0					*11 710	*11 710	*9 320	*9 320	*7 810	7 080			*6 230	5 240	8.72
	4.5			*24 820	*24 820	*14 470	*14 450	*10 320	9 650	*8 190	6 970	*6 820	4 950	*6 060	4 760	9.25
	3.0	*19 640	*19 640	*25 510	*25 510	*19 820	*14 140	*12 020	9 850	*8 850	6 780	*7 250	4 870	*5 970	4 370	9 52
	1.5			*27 740	26 240	*20 500	14 060	*14 270	9 240	*9 700	6 520	*7 610	4 730	*6 060	4 280	9.54
	0 (Ground)	*16 090	*16 090	*30 730	24 480	*20 460	13 080	14 640	8 710	*10 360	6 200	*7 840	4 600	*6 370	4 370	9.32
	-1.5	*21 680	*21 680	*32 180	23 790	*20 650	12 530	14 810	8 370	10 310	5 950			*6 960	4 700	8.84
	-3.0	*26 990	*26 990	*31 020	23 710	*20 460	12 360	*14 400	8 080	*9 240	5 890			*6 130	5 410	8.05
	-4.5	*29 890	*29 890	*25 240	24 140	*15 760	12 340	*9 050	8 150					*7 770	7 710	6.26
	-6.0															

EQUIPMENT

● ..... Standard equipment ○ ..... Optional equipment

ENGINE

Air cleaner double filters	●
Auto idle system	●
Auto shut-down control	●
Cartridge-type engine oil filter	●
Cold fuel resistence valve	○
Fuel pre-filter	●
Fuel main filter	●
Dust-proof indoor net	●
Dry-type air filter with evacuator valve (with air filter restriction indicator)	●
Electrical fuel feed pump	●
ECO/PWR mode control	●
Engine oil drain coupler	●
Engine warm-up device	●
Fan guard	●
Fuel cooler	●
High performance water separator	●
Isolation-mounted engine	●
Muffler filter	●
Pre-cleaner	○
Radiator, oil cooler and intercooler	●
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	○
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

Auxiliary function lever (Breaker assist)	○
All-weather sound suppressed steel cab	●
AM-FM radio	●
Ashtray	●
Auto control air conditioner	●
AUX. terminal and storage	●
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	●
Fire extinguisher bracket	○
Floor mat	●
Footrest	●
Front window washer	●
Windows on front, upper, lower and left side can be opened	●
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 fitted Level II (ISO10262) compliant cab	○
Pilot control shut-off lever	●
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	●
2 speakers	●
4 fluid-filled elastic mounts	●
12 V power outlet	○
24 V cigarette lighter	●

MONITOR SYSTEM

Alarm buzzers: overheat, engine oil pressure, overload	●
Alarms: overheat, engine warning, engine oil pressure, alternator, minimum fuel level, hydraulic filter restriction, air filter restriction, work mode, overload, 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 cab roof rear lights	○
Additional boom light with cover	○
Rotating lamp	○
2 working lights	●

UPPER STRUCTURE

Electric fuel refilling pump with auto stop and filter	●
Fuel level float	●
Hydraulic oil level gauge	●
Rear view camera	●
Rear view mirror (right & left side)	●
Swing parking brake	●
Tool box	●
Undercover	●
Utility space	●
7 600 kg counterweight	●
2 x 128 Ah batteries	●

UNDERCARRIAGE

Bolt-on sprocket	●
Reinforced track links with pin seals	●
Travel motor covers	●
Travel parking brake	●
Track undercover	○
Upper and lower rollers	●
3 track guards (each side) and hydraulic track adjuster	●
4 tie down hooks	●
600 mm triple grouser shoes	●

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 with welded hook	○
Accessories for 2 speed selector	○

ATTACHMENTS

Attachment basic piping	●
Additional pump (30 L/min)	○
Breaker and crusher piping	●
HSB Parts for breaker and crusher	●
Pilot accumulator	○
Assist piping	○

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	●
Theft prevention system*	○
Global e-Service	●

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.

Built on the foundation of superb technological capabilities, Hitachi Construction Machinery is committed to providing leading-edge solutions and services to contribute as a reliable partner to the business of customers worldwide.

Hitachi Environmental Vision 2025

The Hitachi Group released the Environmental Vision 2025 to curb annual carbon dioxide emissions. The Group is committed to global production while reducing environmental impact in life cycles of all products, and realizing a sustainable society by tackling three goals — prevention of global warming, recycling of resources, and enhancement of ecosystem.

Reducing Environmental Impact by New ZAXIS

Hitachi makes a green way to cut carbon emissions for global warming prevention according to LCA*. New ZAXIS utilizes lots of technological advances, including the new ECO mode, and Isochronous Control. Hitachi has long been committed to recycling of components, such as aluminum parts in radiators and oil cooler. Resin parts are marked for recycling.

*Life Cycle Assessment – ISO 14040

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.

Hitachi Construction Machinery
www.hcme.com

KS-EN183EUQ

Printed in Europe