HITACHI

ZAXIS 350

HYDRAULIC EXCAVATOR

- **Model Code :** ZX350LC-3 / ZX350LCN-3
- **Engine Rated Power :** 202 kW (271 HP)
- **Operating Weight :** ZX350LC-3: 32 600 – 36 200 kg
  ZX350LCN-3: 32 600 – 36 100 kg
- **Backhoe Bucket :** SAE, PCSA Heaped: 1.03 – 1.84 m^3
  CECE Heaped: 0.93 – 1.59 m^3

The Power to Perform

The ZAXIS-3 series are a new generation of excavators designed to provide more efficient power, productivity and improved operator comfort. By listening carefully to the wishes of the end-user, HITACHI not only understands your business, but also provides the reliable solutions you've been looking for.

NEW AND IMPROVED

- ***Performance:***
  10% higher production

- ***Comfort:***
  Excellent visibility
  Enhanced controllability
  Lower noise level

- ***New equipment:***
  Standard satellite communication system
  Standard rear view camera
  Standard theft deterrent system

- ***Reduced running costs:***
  Lower fuel consumption per m^3
  Improved durability and reliability

- **The new engine complies with the Emission Regulations Stage III A**
- **The advanced low noise design complies with the coming EU noise regulation 2000 / 14 / EC, STAGE II**

Boosted Productivity

New hydraulic system HIOS III and new OHC 4-valve diesel engine were developed for ZAXIS-3. These advanced technologies are at work to yield bigger output with higher fuel efficiency.

More production, less fuel consumption

Increased Production

A combination of the hydraulic system (HIOS*III) and new OHC** 4-valve engine allows the efficient use of hydraulic pressure to increase speeds of actuators and boost production with higher fuel efficiency. The productivity is increased with 10% in comparison to previous model ZAXIS-1.

**Human & Intelligent Operation System*

***OverHead Camshaft*

New E-mode

The new E mode, H/P mode and P mode can be selected to suit job needs. The new E mode can save fuel consumption by up to 10% compared to the previous P mode, while yielding similar production.

Increase in Swing Torque and Traction Force

Swing torque and traction force are increased significantly.
-Swing torque 10% UP
-Traction force 18% UP
Sophisticated Travel Control;
At climbing or steering, when the machine needs more traction force, the engine speed automatically increases which makes the machine faster.

Efficient hydraulic control - HIOS III

ZAXIS-1 adapted HIOS II hydraulic system that is suitable for fine controllability by the operators. Continuously HITACHI developed new advanced hydraulic technology HIOS III for ZAXIS-3. In addition to the fine controllability this new system increases the efficiency of hydraulic circuit and increases speed of actuators.

The Hydraulic Boosting System

In arm roll-in and boom-raise operation, excess pressure oil is delivered from boom cylinder rod side to arm cylinder bottom side to increase flow rate giving 20% higher arm roll-in speed. Excess pressure oil from boom cylinder rod side is delivered to arm cylinder bottom side through a regenerative valve to increase flow rate for productive operation.

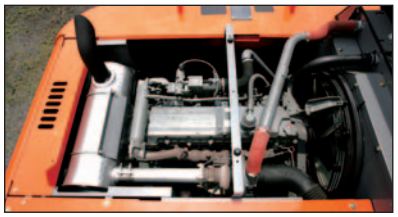
Enhanced Boom Recirculation System

In combined operation of boom lower and arm, pressure oil from boom cylinder bottom side is delivered to boom cylinder rod side, assisted by boom weight, for boom lowering. At the same time, pressure oil from the pump is delivered to the arm cylinder for arm movement.
This mechanism allows an increase of speed in combined operation of 15%.

Development concept of new engine

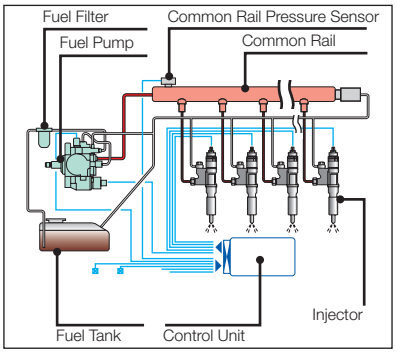
OHC 4-Valve Engine

The new OHC 4-valve diesel engine is developed and built to comply with the rigorous Emission Regulations enforced in 2006 in EU. This new engine contributes to environmental preservation. At the same time it realizes high durability and low fuel consumption by adapting the latest advanced engine technology.



Common Rail Type Fuel Injection System

Electronic control common rail type fuel injection system drives an integrated fuel pump at an ultrahigh pressure to distribute fuel to each injector per cylinder through a common rail.
This enables optimum combustion to generate big horsepower, and reduce PM* (diesel plume) and fuel consumption.

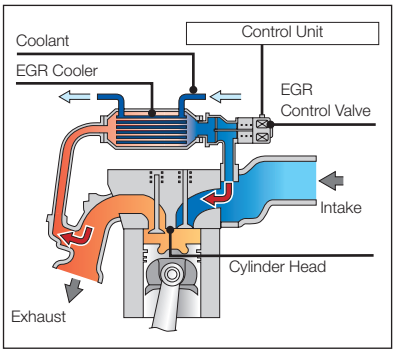


Cooled EGR** System

Exhaust gas is partially mixed with intake air to lower combustion temperature for reducing NOx and fuel consumption. What's more, the EGR cooler cools down exhaust gas to increase air concentration for complete combustion, reducing PM* (diesel plume).

**Particulate Matter*

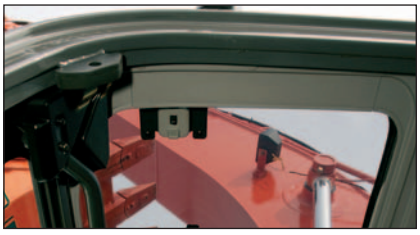
***Exhaust Gas Recirculation*



A New Standard in Operator Comfort

The operator's seat of the ZAXIS-3 series gives the operator an excellent view of the jobsite. On the widescreen colour LCD monitor the operator can see what is behind the machine. Ample legroom, short stroke levers and a large seat ensure optimum working conditions for the operator during long hours.

The ZAXIS-3 series cab has been redesigned to meet demands of European customers. From the operator's seat the operator has an excellent view of the jobsite. On the widescreen colour LCD monitor the operator can see machine conditions and with the rear view camera, what is behind the machine. Ample legroom, short stroke levers and a suspension seat with heating ensure optimum working conditions. The seat features horizontal, vertical and weight adjustments and has a backrest contoured for comfort, with a HITACHI logo.



Wide adjustable armrests and a retractable seat belt are included. Short stroke levers mean fingertip control of hydraulics and allow for continuous operation with less fatigue. Three switches on the lever (optional) can be set to operate attachments other than buckets. The cab is pressurized to keep out dust. Noise and vibrations are kept to a minimum due to the elastic mounts, filled with silicone oil, the cab rests on.

Visibility is improved especially for the right downward view. A large overhead window allows natural light to enter the cab. Sliding windows on the front and side enable direct communication between operator and other workers. Foot space has increased and travel pedals have been redesigned for easier operation. A flat floor allows for easy cleaning. Ergonomic controls and switches, fully automatic air conditioner and a radio complete the package.

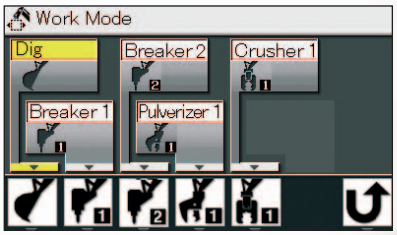
Embedded Information Technology

The ZAXIS-3 series is equipped with a widescreen colour LCD monitor with adjustable contrast for day and night shifts. With the monitor the operator can check maintenance intervals, select work modes, monitor fuel consumption, and connect to the rear view camera. A theft deterrent system and multi-language selection is also available.

Multi function monitor

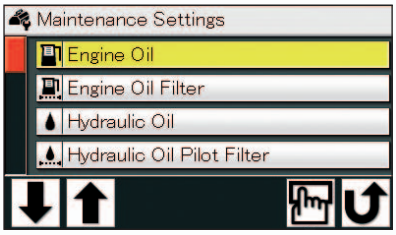
The color LCD monitor, located in the cab, indicates coolant temperature, fuel level, and maintenance data. It also allows one-touch adjustment of the attachment. The display can also be adjusted to day or night shift.

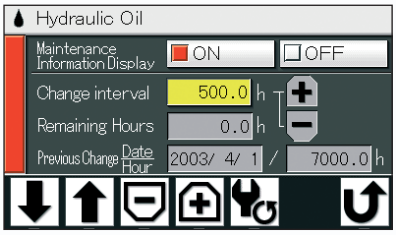
Attachement support system (work mode selector)



When replacing the attachment, oil flow adjustment can automatically be done by one touch on the work mode selection display on the LCD monitor. Minor adjustments of oil flow is possible if necessary.

Maintenance support





Replacement timing of hydraulic oil and fuel filters is alerted to the operator through the LCD monitor according to the schedule preset by the user each time when turning the key switch. The scheduled maintenance can prevent the failure of the machine.

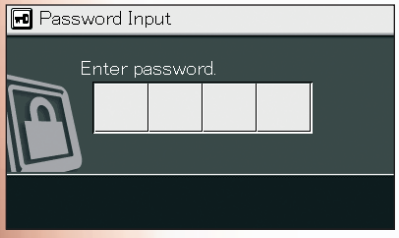
Multilanguage selection

The monitor enables you to select 12 European languages.

Rear view camera

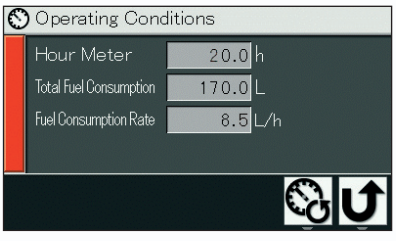
The widescreen color LCD, teamed up with the rear view camera on the counterweight, gives the operator unobstructed rearward viewing.
The rear view camera automatically works when traveling, and can also be manually turned on with a select switch on the monitor.

Theft deterrent system



The electronic immobiliser requires the entry of an encryption code to the multifunctional monitor each time when starting the engine to prevent theft and vandalism.

Fuel consumption monitoring



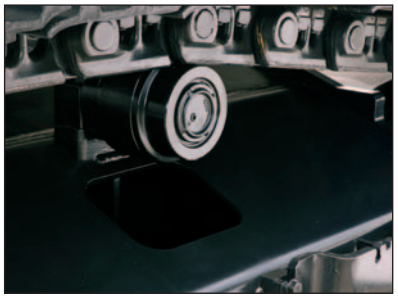
Fuel consumption per operating hour is computed, and the result is displayed on the LCD monitor. This information suggests refuelling timing, and guides energy-saving operation and efficient job management.

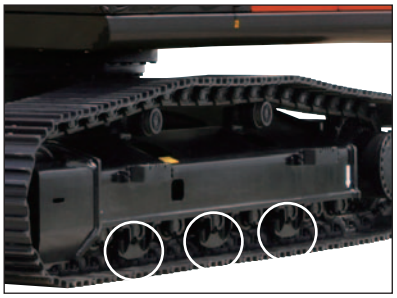
A Solid Base for a Long Life

HITACHI's technology is built on a wealth of experience and know-how from limestone sites and quarries around the world. The undercarriage of the ZAXIS 350 has become much stronger. Improved construction and enlarged box sections, a track undercover plate that protects the center joint and hydraulic hoses make this machine more durable.

Strengthened undercarriage and side frames

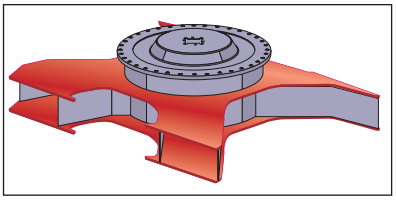
Upper and lower rollers and upper roller brackets are increased in size for higher durability.
Track links are thickened and reshaped for higher durability and rigidity.
Three track guards are provided standard.
This effectively protects track links from disengagement during steering.
Side frame height is increased by approx. 13%.





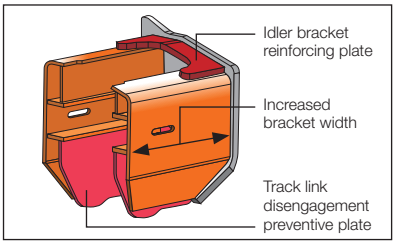
Strengthened X beam

The X-beam is strengthened by the improved construction and enlarged box sections. The section is increased in strength up to 45% (maximum). Top and bottom plates of the X-beam use monolithic plates, instead of conventional welded four plates. This eliminates welding to strengthen the X-beam.



Improved idler brackets

The idler bracket reinforcing plate is thickened greatly for higher durability to prevent the opening of the idler bracket. The track link disengagement preventive plate, located just behind the idler bracket, is thickened for higher durability, and reshaped by extending its stepped end to prevent the disengagement of track links.



Strengthened front attachment

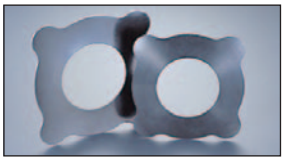
The boom top bracket is strengthened by using high-tensile steel.
At arm-bucket joint, the arm top is hardened with WC thermal spraying (Tungsten-Carbide) for greater wear resistance at its contact surface with bucket, reducing jerking. Reinforced resin thrust plates designed to reduce noise and resist wear.

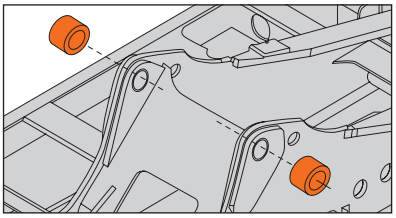
The new HN bushings, containing “solid molybdenum-based lubricant“, are utilized at the boom-arm joint and arm cylinder mounting area for better lubrication and higher durability. (At other joints, conventional HN bushings are also utilized.)

The boom foot is strengthened with bushing. This improvement increases the durability and reliable under heavy-duty operation.

New HN bushing


WC Thermal spraying

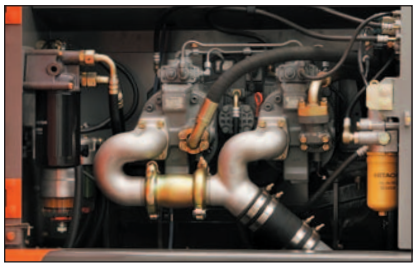

Reinforced resin thrust plates

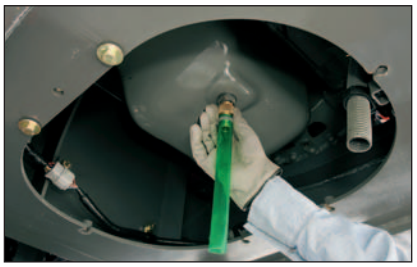

Boom foot bushing

Simplified Maintenance

The ZAXIS-3 series meet customer demands for simplified maintenance. Regular maintenance is the key for keeping equipment in top condition, which can help to prevent costly downtime. In addition, a regular serviced machine has higher residual value. There are many service features to be found on the ZAXIS-3 series.

Conveniently located inspection points

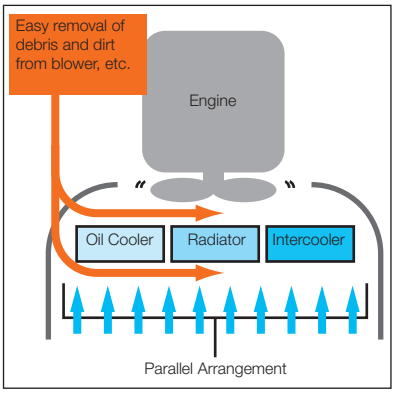




Wide doors give access, from ground level, to the fuel filter, water separator and engine oil filter. A large handrail, steps and anti-skid plates lead to the engine cover. The engine oil pan is fitted with a drain coupler. When draining, an associated drain hose is connected to the drain coupler. The drain coupler is reliable, avoiding oil leakage and vandalism.

The fresh air filter for the air conditioner is relocated to cab door side from conventional location behind the operator seat. This allows easy cleaning and replacement of the fresh air filter, like the air circulation filter inside the cab.

Parallel arrangement of the cooling pack



The oil cooler, radiator and intercooler are laid out in a parallel arrangement, instead of the conventional in-line arrangement. This parallel arrangement is significantly easier to clean around the engine. The air conditioner condenser can be opened for easy cleaning of the condenser and the radiator located behind.

Extended oil and filter change intervals

Front Pin Lubricating Intervals and Consumables Replacement		
		NEW ZAXIS 350
Lubricant	Bucket	250
	Boom Foot	500
	Front	500
Consumables	Engine Oil	500
	Engine Oil Filter	500
	Hydraulic Oil	5 000
	Hydraulic Oil Filter	1 000
	Fuel Filter	500

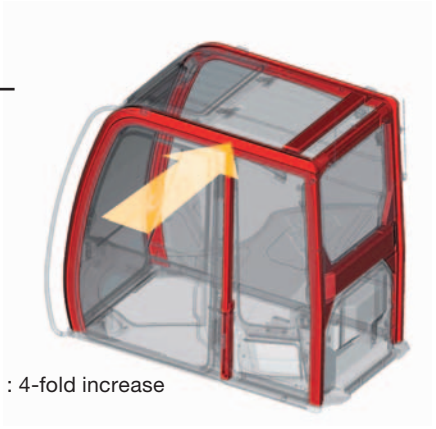
The oil and filter change intervals have been extended considerably, reducing maintenance time and expenses. Engine oil consumption is lower, and engine oil change is necessary every 500 hours.

Safety Features

Ensuring the safety of the operator and other workers on the jobsite is an important concern for HITACHI. That is why the ZAXIS-3 series has a number of safety features including a new reinforced cab and shut-off mechanisms for engine and pilot controls.

CRES II cab

The CRES II cab is designed to help with “just in case” protection for the operator. Safety in case of tipping is improved. The cab top, for instance, can withstand about 4 times conventional load when side load is applied to the cab top until its deformation reaches 200 mm.



Withstanding load : 4-fold increase

Additional features

Cab right bars

Evacuation hammer

Engine shut-off switch

Pilot control shut-off lever

OPG top guard, level II

(optional)

Retractable seat belt

Other features include a retractable seatbelt, evacuation hammer and emergency engine shut-off switch. A shut-off lever for pilot control helps to prevent unintentional movements. In addition a Falling Object Protective Structure (OPG top guard, level II) guard is optionally available. For the cab windows there is a choice of laminated or tempered glass.

Environmental Features

HITACHI takes its responsibility when it comes to the environment. Our production facilities have ISO 14001 certification. The HITACHI machine is lead free and has a low-noise design, therefore HITACHI customers get one of the most environmentally considerate hydraulic excavators available today.

A cleaner machine

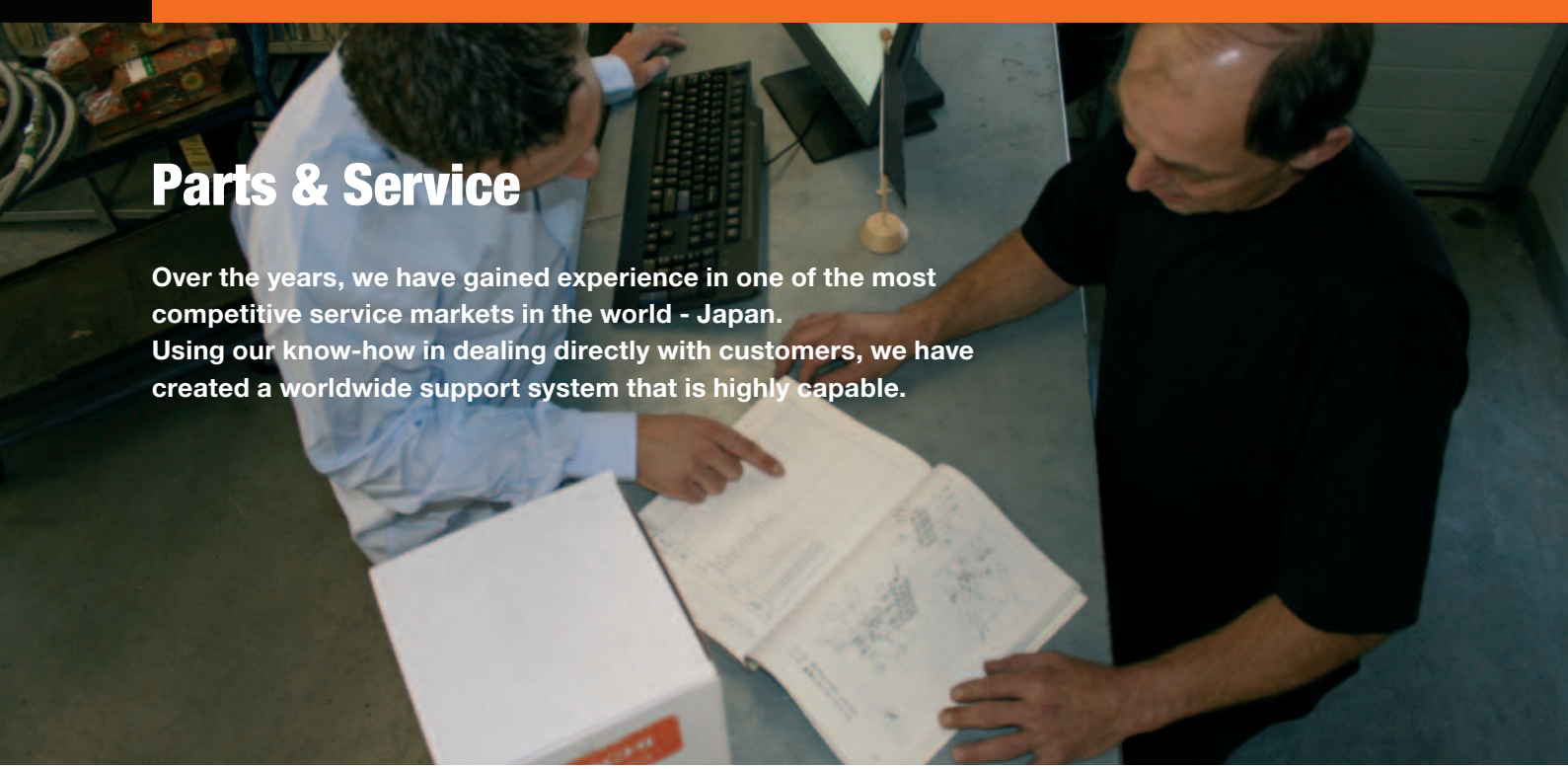
The ZAXIS-3 series is equipped with a clean but powerful engine to comply with Stage III A. An engine emission regulations effective in the European Union from 2006. Reduced particulate matter (PM) output and lower nitrogen oxide (NOx) levels.

A quieter machine

A number of features make this machine quieter. First, isochronous control of the engine speed means a restriction of engine speed during no-load and light-duty operation to suppress sound. A fan with curved blades reduces air resistance and air flow noise. Third, a time-tested muffler suppresses engine noise significantly and reduces emissions.

A recyclable machine

Over 97% of the ZAXIS-3 series can be recycled. All resin parts are marked to facilitate recycling. The machine is completely lead-free. The radiator and oil cooler are made from aluminium and all wires are lead-less. In addition, biodegradable hydraulic oil is available for jobsites where special environmental care is required.



Parts & Service

Over the years, we have gained experience in one of the most competitive service markets in the world - Japan. Using our know-how in dealing directly with customers, we have created a worldwide support system that is highly capable.

Parts

HITACHI only offers genuine high quality parts. We guarantee that these parts have high performance and long life. We manage around 1 000 000 types of parts all around the world. They are designed and built to be the best match for your HITACHI equipment. HITACHI has a global parts distribution network that makes sure you get what you need as quickly as possible. We have more than 150 dealers worldwide who provide the closest support for your needs. In most cases, your dealer will have the replacement part that you require. If a dealer does not have a certain part, he can order it from four fully-stocked parts depots located across the world. These distribution centres are all connected by an online system that gives them access to shared information on stocks, such as the number and type of available parts. The depots, which in turn are stocked by a parts centre in Japan, minimize delivery time and enable you to get your parts as efficiently and quickly as possible.

Service

Our goal is to “keep customer equipment at a maximum performance level”. To fulfil this goal, we have set more than 150 dealers all over the world. They have highly trained technicians, and provide a number of support programs. HITACHI provides a unique extended warranty program called HITACHI Extended Life Program, or HELP.

To minimize downtime during trouble-shooting, we developed a PDA based diagnostic system called “Dr.ZX”. To keep our customers’ equipment in top running shape, good service is indispensable. We believe personnel training is the key to providing the best service.

If you would like more information regarding parts and/or service, please ask your nearest HITACHI dealer. Not all programs and/or services are available in every market or region.

Remote fleet management with e-Service Owner's Site

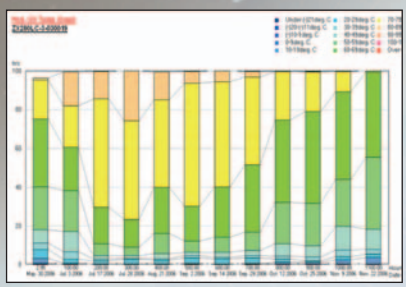
Reduce maintenance effort and costs for your machine fleet with e-Service Owner's Site; latest machine information of each of your machines available on-line, in your office.

ZX-3 and ZW Series Fleet Management System
e-Service Owner's Site

e-Service Owner's Site features

Operation

Remote access to all relevant machine operation information such as daily operating hours and machine fuel level as well as historically cumulated temperatures and pressures.

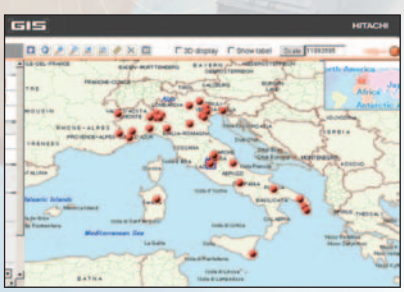


Maintenance

For each machine, maintenance history as well as recommended maintenance due is displayed in one view, allowing for accurate and efficient fleet maintenance management.

Location

In addition to any general GPS function, GIS (Geographical Information System) will not only show the geographical position of each machine with immediate serial number identification, it will also allow for dedicated multiple machine searches using specific operational information as search criteria.



Check and monitor each of your machines from your office

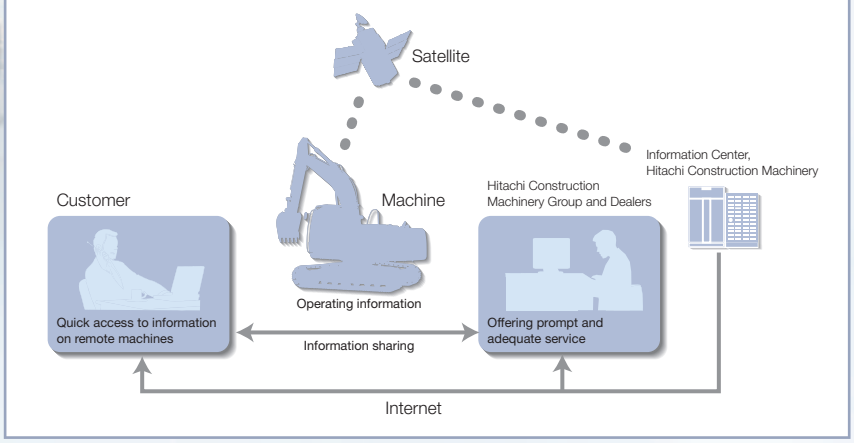
Enhanced service support from your local dealer

Actual geographical location of each of your machines

e-Service Owner's Site is an on-line fleet management tool offered by HCME to each of its customers. It will present all operational information and location of your machines on a PC in your office, giving you an up to date overview of your machines, allowing for full fleet control. Each machine will regularly send its operational data to a satellite and from there, via a ground station to a Hitachi server. The data collected in the server will then be processed and directed to each customer around the world. Your machine information will be available through a secure internet connection for you and your dealer. This communication chain is operational 24h a day, each day of the year. It will support your job planning, help you maintain your machine and allow for enhanced service and trouble shooting support by your local dealer, all directly contributing to reduce downtime and increase the cost performance of your fleet.

All new ZAXIS-3 and ZW machines supplied by HCME will have a satellite communication unit installed as standard*, meaning each owner can directly enjoy the benefits of e-Service Owner's Site. Your local dealer will be able to give you access to e-Service Owner's Site.

Optimizing fleet management
Accurate maintenance planning
Job planning support tool
Swift trouble shooting



** (1) Satellite communication may be forbidden by the local regulatory standards (including safety standards) and legal requirements of the particular country where you wish to use it. Please contact HITACHI dealer for details.*
(2) Satellite communication basically allows for worldwide coverage. Contact your local dealer for the latest situation on actual satellite communication availability for your country or specific jobsite.
(3) If transmission of the satellite signal is hindered in any way, satellite communication may not be possible.

ENGINE

Model ..... Isuzu AH-6HK1X
Type ..... 4-cycle water-cooled, direct injection
Aspiration ..... Turbocharged, intercooled
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 N.m (110 kgf.m) at 1 500 min^{-1} (rpm)
Piston displacement ..... 7.790 L
Bore and stroke ..... 115 mm x 125 mm
Batteries ..... 2 x 12 V / 160 Ah

HYDRAULIC SYSTEM

- Work mode selector
  Digging mode / Attachment mode
- Engine speed sensing system

Main pumps ..... 2 variable displacement axial piston pumps
Maximum oil flow ..... 2 x 288 L/min
Pilot pump ..... 1 gear pump
Maximum oil flow ..... 34 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 ..... 34.3 MPa (350 kgf/cm^2)
Pilot circuit ..... 3.9 MPa (40 kgf/cm^2)
Power boost ..... 36.3 MPa (370 kgf/cm^2)

Hydraulic Cylinders

High-strength piston rods and tubes. Cylinder cushion mechanisms provided in boom and arm cylinders to absorb shock at stroke ends.

Dimensions

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

Hydraulic Filters

Hydraulic circuits use high-quality hydraulic filters. A suction filter is incorporated in the suction line, and full-flow filters in the return line and swing/travel motor drain lines.

CONTROLS

Pilot controls. HITACHI's original shockless valve.
Implement levers 2
Travel levers with pedals 2

UPPERSTRUCTURE

Revolving Frame

Welded sturdy box construction, using heavy-gauge steel plates for ruggedness. 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, shear-type ball bearing with induction-hardened internal gear. Internal gear and pinion gear are immersed in lubricant. Swing parking brake is spring-set/hydraulic-released disc type.
Swing speed ..... 10.7 min^{-1} (rpm)

Operator's Cab

Independent spacious cab, 1 005 mm wide by 1 675 mm high, conforming to ISO* Standards. Reinforced glass windows on 4 sides for visibility. Front windows (upper and lower) can be opened. Reclining seat with armrests; adjustable with or without control levers.
* International Standardization Organization

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. Flat and triangular shoes are also available. 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 guards 3

Travel Device

Each track driven by 2-speed axial piston motor through planetary reduction gear for counterrotation of the tracks. Sprockets are replaceable. Parking brake is spring-set/hydraulic-released disc type. Travel shockless relief valve built in travel motor absorbs shocks when stopping travel.
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 ..... 35° (70%) continuous

WEIGHTS AND GROUND PRESSURE

ZAXIS 350LC WITH MONOBLOCK BOOM:

Equipped with 6.40 m monoblock boom, 3.20 m arm and 1.40 m^3 bucket (SAE,PCSA heaped).

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grouser	600 mm	33 300 kg	63 kPa (0.64 kgf/cm^2)
	700 mm	33 700 kg	54 kPa (0.55 kgf/cm^2)
	800 mm	34 100 kg	48 kPa (0.49 kgf/cm^2)
	900 mm	34 400 kg	43 kPa (0.44 kgf/cm^2)

ZAXIS 350LC WITH 5.78 M BEH TYPE MONOBLOCK BOOM:

Equipped with 5.78 m monoblock boom, 2.11 m arm and 1.50 m^3 bucket (SAE,PCSA heaped).

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grouser	600 mm	33 400 kg	63 kPa (0.64 kgf/cm^2)
	700 mm	34 000 kg	55 kPa (0.56 kgf/cm^2)
	800 mm	34 400 kg	48 kPa (0.49 kgf/cm^2)
	900 mm	34 800 kg	43 kPa (0.44 kgf/cm^2)

ZAXIS 350LCN WITH MONOBLOCK BOOM:

Equipped with 6.40 m monoblock boom, 3.20 m arm and 1.40 m^3 bucket (SAE,PCSA heaped).

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grouser	600 mm	33 200 kg	62 kPa (0.63 kgf/cm^2)
	700 mm	33 600 kg	54 kPa (0.55 kgf/cm^2)
	800 mm	34 000 kg	48 kPa (0.49 kgf/cm^2)
	900 mm	34 400 kg	43 kPa (0.44 kgf/cm^2)

ZAXIS 350LCN WITH 5.78 M BEH TYPE MONOBLOCK BOOM:

Equipped with 5.78 m monoblock boom, 2.11 m arm and 1.50 m^3 bucket (SAE,PCSA heaped).

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grouser	600 mm	33 600 kg	63 kPa (0.64 kgf/cm^2)
	700 mm	33 900 kg	54 kPa (0.55 kgf/cm^2)
	800 mm	34 300 kg	48 kPa (0.49 kgf/cm^2)
	900 mm	34 700 kg	43 kPa (0.44 kgf/cm^2)

ZAXIS 350LC WITH 2-PIECE BOOM:

Equipped with 2-piece boom, 3.20 m arm and 1.40 m^3 bucket (SAE,PCSA heaped).

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grouser	600 mm	34 200 kg	64 kPa (0.65 kgf/cm^2)
	700 mm	34 600 kg	56 kPa (0.57 kgf/cm^2)
	800 mm	35 000 kg	49 kPa (0.50 kgf/cm^2)
	900 mm	35 400 kg	44 kPa (0.45 kgf/cm^2)

ZAXIS 350LCN WITH 2-PIECE BOOM:

Equipped with 2-piece boom, 3.20 m arm and 1.40 m^3 bucket (SAE,PCSA heaped).

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grouser	600 mm	34 200 kg	64 kPa (0.65 kgf/cm^2)
	700 mm	34 600 kg	56 kPa (0.57 kgf/cm^2)
	800 mm	34 900 kg	49 kPa (0.50 kgf/cm^2)
	900 mm	35 300 kg	44 kPa (0.45 kgf/cm^2)

Weights of the basic machines [including 7 400 kg counterweight and triple grouser shoes, excluding front-end attachment, fuel, hydraulic oil, engine oil and coolant etc.] are:

ZAXIS 350LC ..... 25 500 kg with 600 mm shoes
ZAXIS 350LCN ..... 25 400 kg with 600 mm shoes

SERVICE REFILL CAPACITIES

Fuel tank ..... 630.0 L
Engine coolant ..... 32.0 L
Engine oil ..... 41.0 L
Swing device ..... 17.0 L
Travel device ..... 9.2 L
(each side)
Hydraulic system ..... 374.0 L
Hydraulic oil tank ..... 180.0 L

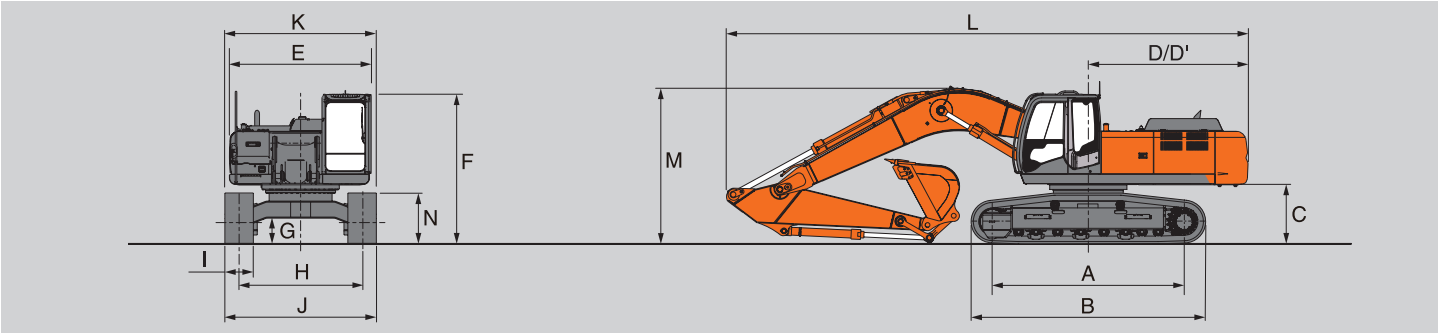
BACKHOE ATTACHMENTS

Boom and arms are of welded, box-section design. 6.40 m monoblock boom, 2-piece boom and 2.33 m, 2.67 m and 3.20 m arms are available.
Bucket is of welded steel structure. Side clearance adjust mechanism provided on the bucket joint bracket.

BUCKETS

Capacity SAE,PCSA heaped	Capacity CECE heaped	Width without side cutters	Weight
1.03 m^3	0.93 m^3	1 000 mm	845 kg
1.30 m^3	1.15 m^3	1 200 mm	965 kg
1.56 m^3	1.37 m^3	1 400 mm	1 060 kg
1.84 m^3	1.59 m^3	1 600 mm	1 190 kg

DIMENSIONS : MONOBLOCK BOOM



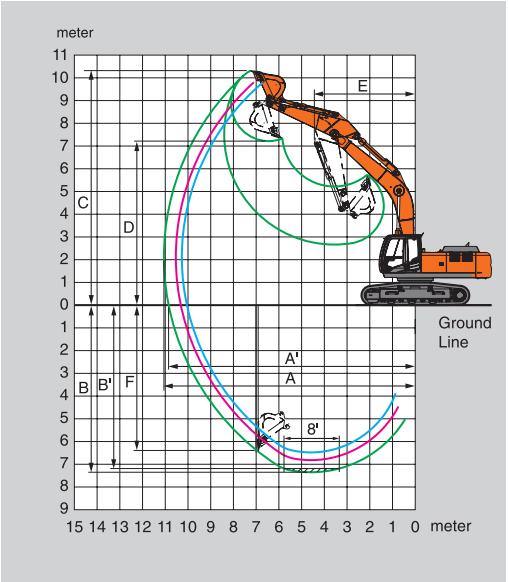
Unit: mm

	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	3 390	3 390
D' Rear-end length	3 370	3 370
E Overall width of upperstructure	2 990	2 990
F Overall height of cab	3 160	3 160
*G Min. ground clearance	500	500
H Track gauge	2 590	2 400
I Track shoe width	G 600	G 600
J Undercarriage width	3 190	3 000
K Overall width	3 190	3 000
L Overall length		
With 2.33 m arm	11 170	11 170
With 2.67 m arm	11 130	11 130
With 3.20 m arm	11 000	11 000
With 4.00 m arm	11 090	11 090
L' Overall length 5.78 m BEH boom with 2.11 m arm	10 780	10 780
M 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
With 4.00 m arm	3 600	3 600
M' Overall height 5.78 m BEH boom with 2.11 m arm	3 710	3 710
N Track height with triple grouser shoes	1 070	1 070

* Excluding track shoe lug G: Triple grouser shoe

WORKING RANGES

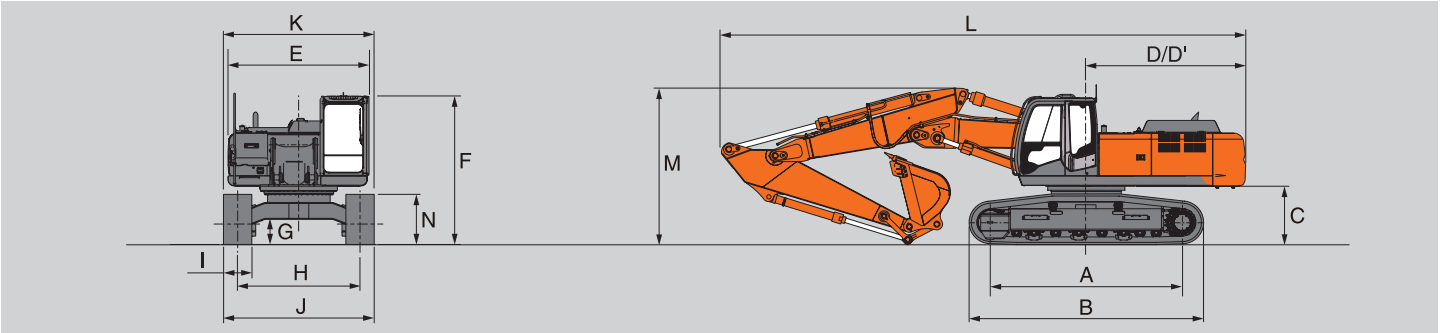
Unit: mm



	ZAXIS 350LC / ZAXIS 350LCN			
	6.40 m Mono boom			5.78 m BEH
Arm length	2.33 m	2.67 m	3.20 m	2.11 m
A Max. digging reach	10 310	10 570	11 100	9 430
A' Max. digging reach (on ground)	10 080	10 360	10 890	9 180
B Max. digging depth	6 500	6 840	7 380	5 670
B' Max. digging depth (8' level)	6 300	6 640	7 210	5 440
C Max. cutting height	9 980	9 990	10 360	9 390
D Max. dumping height	6 900	6 940	7 240	6 330
E Min. swing radius	4 460	4 610	4 460	4 070
F Max. vertical wall	5 330	5 510	6 420	4 500
Bucket digging force** ISO	234 kN (23 900 kgf)	234 kN (23 900 kgf)	234 kN (23 900 kgf)	251 kN (25 600 kgf)
Bucket digging force** SAE : PCSA	207 kN (21 100 kgf)	207 kN (21 100 kgf)	207 kN (21 100 kgf)	218 kN (22 200 kgf)
Arm crowd force** ISO	239 kN (24 400 kgf)	211 kN (21 500 kgf)	176 kN (18 000 kgf)	275 kN (28 100 kgf)
Arm crowd force** SAE : PCSA	221 kN (22 600 kgf)	197 kN (20 100 kgf)	165 kN (16 800 kgf)	262 kN (26 700 kgf)

Excluding track shoe lug ** At power boost

DIMENSIONS : 2-PIECE BOOM

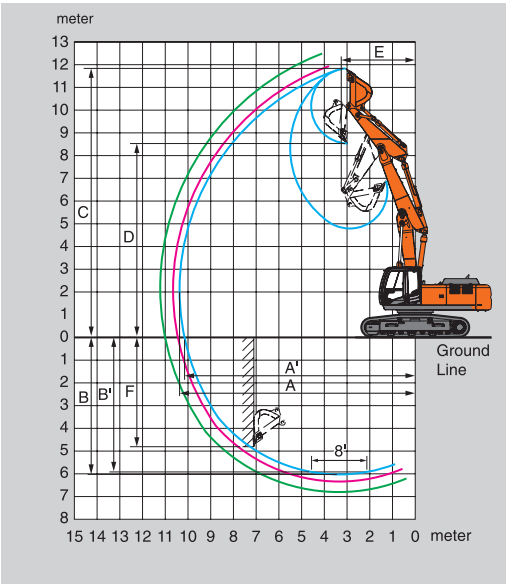


Unit: mm

	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	3 390	3 390
D' Rear-end length	3 370	3 370
E Overall width of upperstructure	2 990	2 990
F Overall height of cab	3 160	3 160
*G Min. ground clearance	500	500
H Track gauge	2 590	2 400
I Track shoe width	G 600	G 600
J Undercarriage width	3 190	3 000
K Overall width	3 190	3 000
L Overall length		
With 2.33 m arm	11 150	11 150
With 2.67 m arm	11 110	11 110
With 3.20 m arm	11 070	11 070
M 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
N Track height with triple grouser shoes	1 070	1 070

* Excluding track shoe lug G: Triple grouser shoe

WORKING RANGES



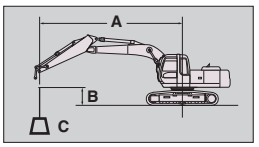
Unit: mm

	ZAXIS 350LC / ZAXIS 350LCN		
	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 (8' 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
E Min. swing radius	3 250	3 120	2 890
F Max. vertical wall	4 820	5 090	5 780
Bucket digging force** ISO	234 kN (23 900 kgf)	234 kN (23 900 kgf)	234 kN (23 900 kgf)
Bucket digging force** SAE : PCSA	207 kN (21 100 kgf)	207 kN (21 100 kgf)	207 kN (21 100 kgf)
Arm crowd force** ISO	239 kN (24 400 kgf)	211 kN (21 500 kgf)	176 kN (18 000 kgf)
Arm crowd force** SAE : PCSA	221 kN (22 600 kgf)	197 kN (20 100 kgf)	165 kN (16 800 kgf)

Excluding track shoe lug ** At power boost

Metric measure

Notes: 1. Ratings are based on ISO 10567.
2. Lifting capacity of the ZAXIS Series 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

ZAXIS 350LC MONO BLOCK BOOM

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

Conditions	Load point height	Load radius 3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		At max. reach		
														meter
Boom 6.40 m Arm 2.33 m Shoe 600 mm	6.0 m					*10 400	9 500	*9 650	6 640			*9 640	6 350	7.70
	4.5 m			*15 120	13 830	*11 640	9 050	*10 030	6 480			8 610	5 510	8.30
	3.0 m					*13 060	8 540	9 880	6 250			8 020	5 100	8.60
	1.5 m					13 450	8 140	9 640	6 030			7 870	4 980	8.62
	0					13 220	7 940	9 500	5 900			8 130	5 110	8.38
	-1.5 m			*18 040	12 010	13 190	7 910	9 500	5 900			8 950	5 600	7.84
	-3.0 m	*19 520	*19 520	*15 800	12 240	*12 270	8 060					*10 080	6 710	6.93
	-4.5 m			*11 560	*11 560							*9 190	*9 190	5.47
Boom 6.40 m Arm 2.67 m Shoe 600 mm	6.0 m					*9 890	9 580	*9 180	6 690			*9 120	6 000	8.00
	4.5 m			*14 260	14 040	*11 160	9 110	*9 670	6 500			8 190	5 240	8.58
	3.0 m			*17 540	12 790	*12 660	8 570	9 890	6 240			7 640	4 860	8.87
	1.5 m					13 460	8 140	9 620	6 000			7 490	4 730	8.89
	0			*19 400	11 840	13 170	7 890	9 450	5 850			7 720	4 840	8.65
	-1.5 m	*13 890	*13 890	*18 430	11 870	13 090	7 820	9 400	5 810			8 420	5 250	8.13
	-3.0 m	*21 190	*21 190	*16 450	12 060	*12 700	7 930					*9 930	6 190	7.26
	-4.5 m	*16 110	*16 110	*12 770	12 480							*9 480	8 520	5.88
Boom 6.40 m Arm 3.20 m Shoe 600 mm	6.0 m							*8 530	6 790			*6 300	5 380	8.58
	4.5 m					*10 430	9 260	*9 130	6 570	*7 470	4 880	*6 330	4 760	9.12
	3.0 m			*16 340	13 160	*12 030	8 700	9 940	6 290	7 490	4 760	*6 550	4 440	9.39
	1.5 m			*18 730	12 240	*13 410	8 210	9 640	6 020	7 340	4 620	6 860	4 320	9.42
	0			*19 450	11 840	13 190	7 890	9 430	5 820	7 240	4 530	7 030	4 400	9.19
	-1.5 m	*13 320	*13 320	*18 940	11 770	13 040	7 760	9 330	5 740			7 580	4 730	8.70
	-3.0 m	*21 080	*21 080	*17 380	11 900	13 090	7 810	9 390	5 790			8 760	5 440	7.90
	-4.5 m	*18 960	*18 960	*14 380	12 230	*10 830	8 050					*9 210	7 030	6.66

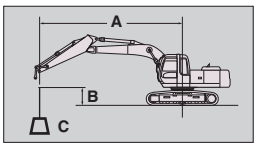
ZAXIS 350LC 5.78 M BEH TYPE MONO BLOCK BOOM

Unit: kg

Conditions	Load point height	Load radius 3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		At max. reach		
														meter
Boom 5.78 m Arm 2.11 m Shoe 600 mm	6.0 m					*10 200	10 139					*9 237	6 052	8.31
	4.5 m					*11 310	9 700	*10 111	6 923			8 245	5 370	8.83
	3.0 m					*12 976	9 096	10 388	6 663			7 833	5 067	9.03
	1.5 m					14 030	8 592	10 099	6 404			7 855	5 050	8.93
	0					13 741	8 343	9 916	6 240			8 354	5 342	8.52
	-1.5 m			*11 241	*11 241	13 706	8 313	9 895	6 221			9 402	6 124	7.73
	-3.0 m	*14 290	*14 290	*14 167	*14 167	*11 879	8 474							
	-4.5 m													

Metric measure

Notes: 1. Ratings are based on ISO 10567.
2. Lifting capacity of the ZAXIS Series 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

ZAXIS 350LCN MONO BLOCK BOOM

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

Conditions	Load point height	Load radius 3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		At max. reach		
														meter
Boom 6.40 m Arm 2.33 m Shoe 600 mm	6.0 m					*10 400	8 780	*9 650	6 140			*9 640	5 870	7.70
	4.5 m			*15 120	12 630	*11 640	8 340	*10 030	5 980			8 600	5 090	8.30
	3.0 m					*13 060	7 830	9 860	5 750			8 000	4 700	8.60
	1.5 m					13 430	7 450	9 620	5 540			7 850	4 570	8.62
	0					13 190	7 250	9 480	5 410			8 120	4 700	8.38
	-1.5 m			*18 040	10 870	13 160	7 220	9 480	5 410			8 930	5 140	7.84
	-3.0 m	*19 520	*19 520	*15 800	11 090	*12 270	7 370					*10 080	6 150	6.93
	-4.5 m			*11 560	11 550							*9 190	8 820	5.47
Boom 6.40 m Arm 2.67 m Shoe 600 mm	6.0 m					*9 890	8 850	*9 180	6 190			*9 120	5 540	8.00
	4.5 m			*14 260	12 830	*11 160	8 400	*9 670	6 000			8 170	4 830	8.58
	3.0 m			*17 540	11 620	*12 660	7 870	9 870	5 750			7 630	4 470	8.87
	1.5 m					13 430	7 440	9 600	5 510			7 480	4 340	8.89
	0			*19 400	10 710	13 140	7 200	9 430	5 360			7 700	4 440	8.65
	-1.5 m	*13 890	*13 890	*18 430	10 730	13 070	7 130	9 380	5 320			8 400	4 820	8.13
	-3.0 m	*21 190	*21 190	*16 450	10 920	*12 700	7 240					*9 930	5 680	7.26
	-4.5 m	*16 110	*16 110	*12 770	11 320							*9 480	7 800	5.88
Boom 6.40 m Arm 3.20 m Shoe 600 mm	6.0 m							*8 530	6 280			*6 300	4 960	8.58
	4.5 m					*10 430	8 540	*9 130	6 060	*7 470	4 490	*6 330	4 380	9.12
	3.0 m			*16 340	11 980	*12 030	7 990	9 920	5 790	7 470	4 370	*6 550	4 080	9.39
	1.5 m			*18 730	11 080	*13 410	7 510	9 620	5 520	7 330	4 240	6 850	3 970	9.42
	0			*19 450	10 700	13 160	7 200	9 410	5 330	7 230	4 150	7 020	4 040	9.19
	-1.5 m	*13 320	*13 320	*18 940	10 630	13 010	7 080	9 310	5 250			7 560	4 330	8.70
	-3.0 m	*21 080	*21 080	*17 380	10 760	13 060	7 120	9 370	5 300			8 740	4 980	7.90
	-4.5 m	*18 960	*18 960	*14 380	11 080	*10 830	7 360					*9 210	6 440	6.66

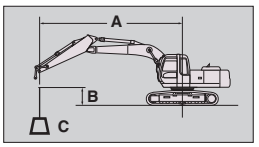
ZAXIS 350LCN 5.78 M BEH TYPE MONO BLOCK BOOM

Unit: kg

Conditions	Load point height	Load radius 3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		At max. reach		
														meter
Boom 5.78 m Arm 2.11 m Shoe 600 mm	6.0 m					*10 200	9 247					9 063	5 512	8.31
	4.5 m					*11 310	8 818	*10 111	6 299			8 085	4 876	8.83
	3.0 m					*12 976	8 226	10 189	6 043			7 678	4 590	9.03
	1.5 m					13 756	7 733	9 900	5 788			7 697	4 567	8.93
	0					13 467	7 489	9 717	5 627			8 187	4 827	8.52
	-1.5 m			*11 241	*11 228	13 432	7 460	9 696	5 608			9 450	5 533	7.73
	-3.0 m	*14 290	*14 290	*14 167	*11 494	*11 879	7 618							
	-4.5 m													

Metric measure

Notes: 1. Ratings are based on ISO 10567.
2. Lifting capacity of the ZAXIS Series 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

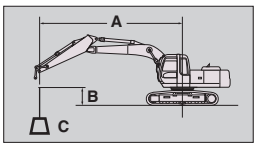
ZAXIS 350LC 2-PIECE BOOM

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

Conditions	Load point height	Load radius										At max. reach		
		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				
														meter
2-Piece Boom Arm 2.33 m Shoe 600 mm	9.0 m			*12 460	*12 460							*11 240	*11 240	5.25
	7.5 m			*12 130	*12 130	*10 060	9 860					*8 830	7 680	6.83
	6.0 m			*13 500	*13 500	*10 360	9 760	*8 760	6 610			*7 810	6 080	7.80
	4.5 m	*19 220	*19 220	*17 510	14 470	*11 510	9 510	*8 990	6 600			*7 330	5 290	8.40
	3.0 m	*24 740	*24 740	*18 460	13 950	*13 430	9 450	*9 620	6 430			*7 180	4 910	8.69
	1.5 m	*24 470	*24 470	*19 410	13 530	13 820	8 910	9 830	6 180			*7 300	4 800	8.72
	0	*30 490	24 540	*19 510	12 760	13 960	8 470	9 640	5 940			*7 720	4 950	8.47
	-1.5 m	*29 950	24 330	*19 730	12 420	13 540	8 110	9 510	5 830			*7 220	5 440	7.94
	-3.0 m	*27 030	24 630	*17 660	12 350	*11 230	8 020					*6 540	*6 540	6.91
2-Piece Boom Arm 2.67 m Shoe 600 mm	9.0 m			*11 670	*11 670							*9 960	*9 960	5.73
	7.5 m			*11 540	*11 540	*9 570	*9 570					*8 070	7 100	7.19
	6.0 m	*14 880	*14 880	*12 750	*12 750	*9 930	9 760	*8 330	6 750			*7 210	5 720	8.12
	4.5 m	*21 730	*21 730	*16 330	*14 530	*11 030	*9 540	*8 650	6 710			*6 810	5 010	8.70
	3.0 m	*24 570	*24 570	*18 880	14 030	*12 870	9 560	*9 310	6 520			*6 680	4 650	8.98
	1.5 m	*27 680	26 030	*19 360	13 730	13 810	8 990	9 800	6 240	*6 800	4 550	*6 800	4 550	9.00
	0	*30 210	24 720	*19 410	12 860	*13 890	8 510	9 670	5 970			*7 180	4 670	8.77
	-1.5 m	*30 270	24 320	*19 690	12 420	13 580	8 130	9 470	5 790			*7 240	5 090	8.25
	-3.0 m	*28 090	24 470	*18 500	12 310	*12 340	7 960					*6 030	*6 030	7.36
	-4.5 m	*18 970	*18 970	*11 270	*11 270							*9 930	*9 930	4.80
2-Piece Boom Arm 3.20 m Shoe 600 mm	9.0 m					*9 110	*9 110					*7 290	*7 290	6.55
	7.5 m					*8 930	*8 930	*7 690	6 840			*6 540	6 180	7.86
	6.0 m			*11 680	*11 680	*9 310	*9 310	*7 800	6 970			*6 220	5 120	8.72
	4.5 m	*23 490	*23 490	*14 430	*14 430	*10 300	*9 580	*8 180	6 870	*6 820	4 820	*6 060	4 540	9.25
	3.0 m	*24 350	*24 350	*18 690	14 100	*11 990	*9 670	*8 830	6 670	*7 240	4 740	*5 960	4 240	9.52
	1.5 m	*26 540	26 180	*19 300	14 040	*13 750	9 130	*9 670	6 390	7 380	4 600	*6 050	4 150	9.54
	0	*29 250	25 050	*19 260	13 020	13 620	8 580	9 650	6 060	7 240	4 470	*6 350	4 240	9.32
	-1.5 m	*30 340	24 300	*19 450	12 440	13 690	8 220	9 490	5 800			*6 930	4 570	8.84
	-3.0 m	*29 230	24 220	*19 270	12 260	13 350	7 920	*8 650	5 730			*5 700	5 270	8.05
	-4.5 m	*23 730	*23 730	*14 790	12 240	*8 440	8 000					*7 230	*7 230	6.26

Metric measure

Notes: 1. Ratings are based on ISO 10567.
2. Lifting capacity of the ZAXIS Series 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

ZAXIS 350LCN 2-PIECE BOOM

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

Conditions	Load point height	Load radius										At max. reach		
		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				
														meter
2-Piece Boom Arm 2.33 m Shoe 600 mm	9.0 m			*12 460	*12 460							*11 240	10 910	5.25
	7.5 m			*12 130	*12 130	*10 060	9 140					*8 830	7 080	6.83
	6.0 m			*13 500	*13 500	*10 360	9 120	*8 760	6 100			*7 810	5 600	7.80
	4.5 m	*19 220	*19 220	*17 510	13 410	*11 510	8 870	*8 990	6 090			*7 330	4 860	8.40
	3.0 m	*24 740	24 220	*18 460	13 460	*13 430	8 710	*9 620	5 920			*7 180	4 500	8.69
	1.5 m	*24 470	22 420	*19 410	12 320	13 800	8 180	9 820	5 680			*7 300	4 390	8.72
	0	*30 490	21 620	*19 510	11 570	13 930	7 760	9 620	5 440			*7 720	4 530	8.47
	-1.5 m	*29 950	21 420	*19 730	11 240	13 510	7 400	9 490	5 330			*7 220	4 970	7.94
	-3.0 m	*27 030	21 700	*17 660	11 180	*11 230	7 320					*6 540	6 090	6.91
2-Piece Boom Arm 2.67 m Shoe 600 mm	9.0 m			*11 670	*11 670							*9 960	9 590	5.73
	7.5 m			*11 540	*11 540	*9 570	9 280					*8 070	6 550	7.20
	6.0 m	*14 880	*14 880	*12 750	*12 750	*9 930	9 160	*8 330	6 240			*7 210	5 260	8.12
	4.5 m	*21 730	*21 730	*16 330	*13 500	*11 030	8 900	*8 650	6 200			*6 810	4 600	8.70
	3.0 m	*24 570	24 240	*18 880	12 950	*12 870	8 820	*9 310	6 000			*6 680	4 260	8.98
	1.5 m	*27 680	23 020	*19 360	12 510	13 790	8 260	*9 780	5 730	*6 800	4 160	*6 800	4 160	9.00
	0	*30 210	21 790	*19 410	11 670	*13 890	7 790	9 650	5 460			*7 180	4 270	8.77
	-1.5 m	*30 270	21 410	*19 690	11 250	13 550	7 420	9 460	5 290			*7 240	4 650	8.25
	-3.0 m	*28 090	21 560	*18 500	11 140	*12 340	7 250					*6 030	5 530	7.36
	-4.5 m	*18 970	*18 970	*11 270	*11 270							*9 930	*9 930	4.80
2-Piece Boom Arm 3.20 m Shoe 600 mm	9.0 m					*9 110	*9 110					*7 290	*7 290	6.55
	7.5 m					*8 930	*8 930	*7 690	6 320			*6 540	5 700	7.86
	6.0 m			*11 680	*11 680	*9 310	*9 170	*7 800	6 460			*6 220	4 710	8.72
	4.5 m	*23 490	*23 490	*14 430	13 550	*10 300	8 960	*8 180	6 400	*6 820	4 430	*6 060	4 160	9.25
	3.0 m	*24 350	24 220	*18 690	13 050	*11 990	9 010	*8 830	6 190	*7 240	4 350	*5 960	3 880	9.52
	1.5 m	*26 540	23 970	*19 300	12 810	13 730	8 400	*9 670	5 880	7 370	4 210	*6 050	3 790	9.54
	0	*29 250	22 100	*19 260	11 820	13 600	7 860	9 630	5 550	7 230	4 080	*6 350	3 870	9.32
	-1.5 m	*30 340	21 390	*19 450	11 260	13 660	7 500	9 470	5 300			*6 930	4 170	8.84
	-3.0 m	*29 230	21 310	*19 270	11 090	13 320	7 220	8 650	5 230			*5 700	4 810	8.05
	-4.5 m	*23 730	21 740	*14 790	11 070	*8 440	7 290					*7 230	6 890	6.26

STANDARD EQUIPMENT

Standard equipment may vary by country, so please consult your HITACHI dealer for details.

ENGINE
- H/P mode control
- E mode control
- 50 A alternator
- Dry-type air filter with evacuator valve (with air filter restriction indicator)
- Cartridge-type engine oil filter
- Cartridge-type fuel double filters
- Air cleaner double filters
- Radiator, oil cooler and intercooler with dust protective net
- Radiator reserve tank
- Fan guard
- Isolation-mounted engine
- Auto-idle system
- Fuel cooler
- Electrical fuel feed pump
- Engine oil drain coupler

HYDRAULIC SYSTEM
- Work mode selector
- Power boost
- Auto power lift
- Extra port for control valve
- Suction filter
- Full-flow filter
- Pilot filter
- Swing dampener valve

CAB
- CRES II (Center pillar reinforced structure) cab
- OPG top guard fitted Level I (ISO10262) compliant cab
- All-weather sound suppressed steel cab
- Equipped with reinforced, tinted (green color) glass windows
- 4 fluid-filled elastic mounts
- Front windows on upper, lower and left side can be opened
- Intermittent windshield wipers
- Front window washer
- Adjustable reclining seat with adjustable armrests
- Footrest
- Electric double horn
- AM-FM radio with digital clock
- Seat belt
- Drink holder
- Cigarette lighter
- Ashtray
- Storage box
- Glove compartment
- Fire extinguisher bracket
- Floor mat
- Short wrist control levers
- Pilot control shut-off lever
- Engine stop knob
- Auto control air conditioner
- Transparent roof with slide curtain
- Mechanical suspension seat with heater

MULTI FUNCTION MONITOR
- Display of meters: water temperature, hour, fuel rate, clock
- Other displays: work mode, auto-idle, glow, rearview monitor, operating conditions, etc
- Alarms: overheat, engine warning, engine oil pressure, alternator, minimum fuel level, hydraulic filter restriction, air filter restriction, work mode, overload, etc
- Alarm buzzers: overheat, engine oil pressure, overload

LIGHTS
- 2 working lights

UPPER STRUCTURE
- Undercover
- 7 400 kg counterweight
- Fuel level float
- Electric fuel refilling pump with auto stop
- Rearview camera
- 160 Ah batteries
- Hydraulic oil level gauge
- Tool box
- Utility space
- Rearview mirror (right & left side)
- Swing parking brake

UNDERCARRIAGE
- Travel parking brake
- Travel motor covers
- 3 track guards (each side) and hydraulic track adjuster
- Bolt-on sprocket
- Upper rollers
- Reinforced track links with pin seals
- 4 tie down hooks

FRONT ATTACHMENTS
- HN bushing
- WC (tungsten-carbide) thermal spraying
- Reinforced resin thrust plate
- Flanged pin
- Casted bucket link A
- Centralized lublication system
- Dirt seal on all bucket pins

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

OPTIONAL EQUIPMENT

Optional equipment may vary by country, so please consult your HITACHI dealer for details.

CAB
- Laminated round glass window
- FOPS guard
- Air suspension seat with heater
- Rain guard
- Sun visor
- 12 V power source

LIGHTS
- Additional cab roof front lights
- Additional cab roof rear lights
- Rotating lamp
- Additional boom light with cover

UNDERCARRIAGE
- Track undercover

ATTACHMENTS
- Hammer and crusher piping
- Parts for hammer and crusher
- 2 pump combined flow assist piping
- Additional pump (30 L/min)
- Pilot accumulator
- High mesh full flow filter with restriction indicator
- Welded bucket link A

OTHERS
- Hose rupture valve
- Overload warning device
- Pre-cleaner
- 8 200 kg heavy counterweight
- Biodegradable oil
- Louver cover

  Designed to increase ventilation

- Tropical cover

  Designed for use in the Tropics (severely hot climate), with extra wide opening for more heat dissipation, thus reducing sound suppression. The machine fitted with this cover cannot pass EU Noise Regulation 2000/14/ EC,STAGE II, not permitting the use of the CE mark

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 colour and features.
Before use, read and understand the Operator's Manual for proper operation.

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