

ZAXIS-6 series

HITACHI

Reliable solutions

ZAXIS160



HYDRAULIC EXCAVATOR

Model code : ZX160LC-6

Engine rated power : 86.0 kW (ISO14396)

Operating weight : 17 800 – 18 600 kg

Bucket ISO heaped : 0.52 – 0.82 m³

ZX160LC-6. NO COMPROMISE

The ZX160LC-6 is exceptionally versatile in difficult working environments such as soft terrain or rocky ground in mountain areas. Compact and relatively lightweight, it does not compromise in terms of performance and durability.

Incorporating unique technology specially developed for the Zaxis-6 medium excavator range, the ZX160LC-6 lives up to Hitachi's reputation for the quality of its engineering and reliability of its products.



6. FIRST FOR RELIABILITY



8. EXCEPTIONAL DURABILITY



10. INCREDIBLE VERSATILITY



12. THE HIGHEST QUALITY



14. TRUSTED TECHNOLOGY

DEMAND PERFECTION

The Hitachi ZX160LC-6 has been designed for the specific needs of the European construction industry. It is the perfect machine for customers working in mountainous regions and areas with soft ground. Developed in Japan at the world's biggest excavator factory, it uses market-leading technology to deliver exceptional performance at the lowest possible cost of ownership.



Optimum performance

Remote monitoring with Global e-Service online application.



High quality

Only the best design elements and materials.



Incredible versatility

Tilt and rotary tilt modes complete the attachment support system.



Lifetime reliability

Reliable components help to prevent oil leaks.



Ultimate durability

Redesigned lower roller reduces risk of damage.



Excellent efficiency

HIOS IV reduces total hydraulic loss.





User-friendly

Safety comes first with handrails and a reinforced safety platform.



Low emissions

SCR system reduces NOx from exhaust gas.



Low fuel consumption

8% fuel saving in PWR mode (5% in ECO mode).



Engine protection

High performance and large-capacity fuel circuit.



Easy maintenance

Convenient and wide-opening engine cover.



“ *Hitachi offers the best reliability supported by excellent service* ”

Stefan Eriksson, owner, Steffes Schakt

FIRST FOR RELIABILITY

Renowned for their reliability to achieve optimum levels of availability and performance, Hitachi Zaxis-6 medium excavators deliver a profitable return on investment. The ZX160LC-6 has been designed to operate efficiently and reliably across a wide range of demanding job sites, all day, every day.

Easy maintenance

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

Durable hydraulic connection

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

User-friendly fuel filter

The main fuel filter screws into place on the ZX160LC-6. This makes it easier to replace and ensures that dust is prevented

from entering the fuel circuit during routine maintenance procedures.

More efficient cooling

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

Long-lasting components

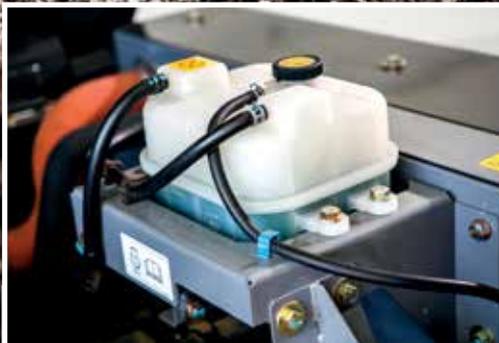
The cooling system of the ZX160LC-6 incorporates aluminium components, including radiator, air condenser and fuel cooler. This improves resistance against corrosion and enhances the machine's durability.



Easy access to the engine compartment.



The main fuel filter is easier to replace.



The expansion tank prevents engine parts from overheating.



Redesigned lower roller prevents mud entering and causing damage.



Improved performance derived from the fuel circuit.

i The Zaxis-6 prototype was tested extensively in six countries: The Netherlands, Belgium, Germany, Norway, Sweden and Italy.



EXCEPTIONAL DURABILITY

With several decades' experience of manufacturing mechanical and hydraulic excavators, Hitachi has a market-leading reputation for the most reliable and durable construction machinery. The ZX160LC-6 has been designed and engineered to work in the most challenging environments, including soft terrain and rocky ground.



Durable design

The lower roller of the ZX160LC-6 has been redesigned to prevent mud from entering and causing damage to the oil seal. This enhances the long-term durability of the machine.

Enhanced fuel circuit

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

Engine protection

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

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

Oil leak prevention

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

Reinforced platform

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



Reinforced for safer working environment.





“ *We benefit from its power and smooth swing motion* ”

Patrik Lindskog, operator, Steffes Schakt

INCREDIBLE VERSATILITY

The ZX160LC-6 is the perfect choice for a wide range of construction applications and a variety of options enhances its versatility for different working environments. Smooth, fast and precise, it offers a high level of performance wherever it operates.

Greater flexibility

The rotary tilt and tilt modes are included within the attachment support system on the ZX160LC-6. These and nine other modes can be registered on the monitor for the easy fitment of attachments to increase versatility.

Power boost

The tried-and-tested power-boost feature has 10% more capacity than the ZX160-3. This increases the capacity of the ZX160LC-6 to deliver an enhanced level of performance and lifting power.

Machine performance

The ZX160LC-6 is equipped with two extra spools in the control valve. This increases versatility by making it easier to install attachments that require multiple, large volumes of oil and on two-piece boom models.

Better visibility

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



Two tilt modes add to the versatility of the ZX160LC-6.



HITACHI

ZA/IS
160 LC



Power boost has 10% more capacity.



Minimal blind spots improve visibility.



Superior weather resistance maintains the cab's internal appearance.



Urea is injected into the exhaust gas to reduce emissions.

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



THE HIGHEST QUALITY

In their relentless pursuit of quality, Hitachi engineers develop market-leading machines with the highest possible standards for reliability and safety. Each Zaxis-6 medium excavator demonstrates their commitment to quality, featuring the finest components and materials, and rigorously tested in extreme working conditions.



Ergonomic controls contribute to the ultimate workspace.



Superior cooling performance

The upper structure benefits from high-quality sealant (around the cooling package) and acoustic materials to eliminate any deterioration caused by heat. These ensure the long-term cooling and low-noise acoustic performance of the ZX160LC-6.

Excellent weather resistance

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

Reduced emissions

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

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

Ultimate comfort

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

Safety at work

The ZX160LC-6 has been fitted with a high-spec rollover protective structure-compliant (ROPS) and centre pillar reinforced structure (CRES V) cab. The pressurised cab is designed to protect the operator from the penetration of dust and potential job site risks.



“ *The ZX160LC-6 incorporates the same technology as larger Hitachi models* ”

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

TRUSTED TECHNOLOGY

Hitachi construction machinery is renowned for its unique and advanced technology. The innovative features of its Zaxis-6 medium excavators have been designed not only to meet the needs of customers, but also give them a distinct advantage in today's increasingly competitive industry.

Saving fuel and costs

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

User-friendly functionality

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

Remote monitoring

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

Fewer emissions

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

Advanced audio system

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



8% lower fuel consumption in PWR mode with HIOS IV.



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



The SCR system reduces emissions and noise levels.



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

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

REDUCING THE TOTAL COST OF OWNERSHIP



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

Global e-Service

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

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

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

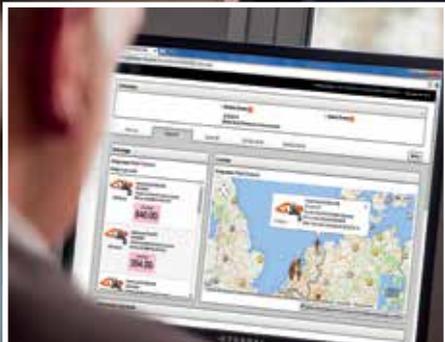
An automatic service report – ConSite – sends a monthly email summarising the information from Global e-Service for each machine. This includes: daily working hours and fuel consumption data; statistics on the operating mode ratio, plus a comparison for fuel consumption/efficiency, and CO₂ emissions.

Technical support

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

Extended warranty and service contracts

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



Global e-Service



Technical support



Hitachi Parts

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

Parts

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

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

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

- Performance Parts: to cope with highly demanding conditions, they have been engineered for greater durability, better performance or longer life.

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

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



EH dump trucks



EX ultra-large excavators



ZW wheel loaders



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

Yuichi Tsujimoto, HCM President

BUILDING A BETTER FUTURE

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

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

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

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

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

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



Mini excavators

SPECIFICATIONS

ENGINE

Model	Isuzu AR-4JJ1X
Type	4-cycle water-cooled, common rail direct injection
Aspiration	Variable geometry turbocharged, intercooled, cooled EGR
Aftertreatment	DOC and SCR system
No. of cylinders	4
Rated power	
ISO 14396	86.0 kW at 2 200 min ⁻¹
ISO 9249, net	82.3 kW at 2 200 min ⁻¹
SAE J1349, net	82.3 kW at 2 200 min ⁻¹
Maximum torque	375 Nm at 1 800 min ⁻¹
Piston displacement	2.999 L
Bore and stroke	95.4 mm x 104.9 mm
Batteries	2 x 12 V / 74 Ah

HYDRAULIC SYSTEM

Hydraulic Pumps

Main pumps	2 variable displacement axial piston pumps
Maximum oil flow	2 x 180 L/min
Pilot pump	1 gear pump
Maximum oil flow	33.6 L/min

Hydraulic Motors

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

Relief Valve Settings

Implement circuit	34.3 MPa
Swing circuit	29.3 MPa
Travel circuit	34.3 MPa
Pilot circuit	3.9 MPa
Power boost	38.0 MPa

Hydraulic Cylinders

	Quantity	Bore	Rod diameter
Boom	2	110 mm	80 mm
Arm	1	120 mm	90 mm
Bucket	1	105 mm	75 mm
Positioning *	1	140 mm	95 mm

* : For 2-piece boom

UPPERSTRUCTURE

Revolving Frame

D-section frame for resistance to deformation.

Swing Device

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

Swing speed	13.3 min ⁻¹
Swing torque	44 kNm

Operator's Cab

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

* International Organization for Standardization

UNDERCARRIAGE

Tracks

Tractor-type undercarriage. Welded track frame using selected materials. Side frame welded to track frame. Lubricated track rollers, idlers, and sprockets with floating seals.

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

Numbers of Rollers and Shoes on Each Side

Upper rollers	2
Lower rollers	7
Track shoes	43
Track guard	1

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 5.1 km/h
	Low : 0 to 3.3 km/h

Maximum traction force	169 kN
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Gradeability	70% (35 degree) continuous
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SOUND LEVEL

Sound level in cab according to ISO 6396 LpA 70 dB(A)

External sound level according to ISO 6395 and

EU Directive 2000/14/EC LwA 100 dB(A)

SERVICE REFILL CAPACITIES

Fuel tank	285.0 L
Engine coolant	24.0 L
Engine oil	17.0 L
Swing device	6.9 L
Travel device (each side)	6.8 L
Hydraulic system	210.0 L
Hydraulic oil tank	125.0 L
DEF/AdBlue® tank	35.0 L

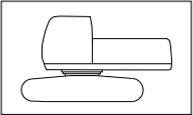
WEIGHTS AND GROUND PRESSURE

Operating Weight and Ground Pressure

			ZAXIS 160LC			
Boom type			Monoblock		2-Piece	
Shoe type	Shoe width	Arm length	kg	kPa	kg	kPa
Triple grouser	500 mm	2.22 m	17 300	50	17 800	51
		2.58 m	17 300	50	17 800	52
	600 mm	2.22 m	17 500	42	18 000	43
		2.58 m	17 500	42	18 100	43
	700 mm	2.22 m	17 700	36	18 200	37
		2.58 m	17 800	36	18 300	38
	800 mm	2.22 m	18 000	32	18 500	33
		2.58 m	18 100	32	18 600	33

Including 0.60 m³ (ISO heaped) bucket weight (500 kg) and counterweight (3 200 kg).

Basic Machine Weight and Overall Width



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

ZAXIS 160LC

Shoe width	Weight	Overall width
500 mm	13 800 kg	2 500 mm
600 mm	14 100 kg	2 590 mm
700 mm	14 300 kg	2 690 mm
800 mm	14 600 kg	2 890 mm

Components Weight

	Weight
Counterweight	3 200 kg
Monoblock boom (with arm cylinder and boom cylinder)	1 620 kg
2-Piece boom (with arm cylinder and boom cylinder)	1 910 kg
Arm 2.22 m (with bucket cylinder)	770 kg
Arm 2.58 m (with bucket cylinder)	800 kg
Bucket 0.60 m ³	500 kg

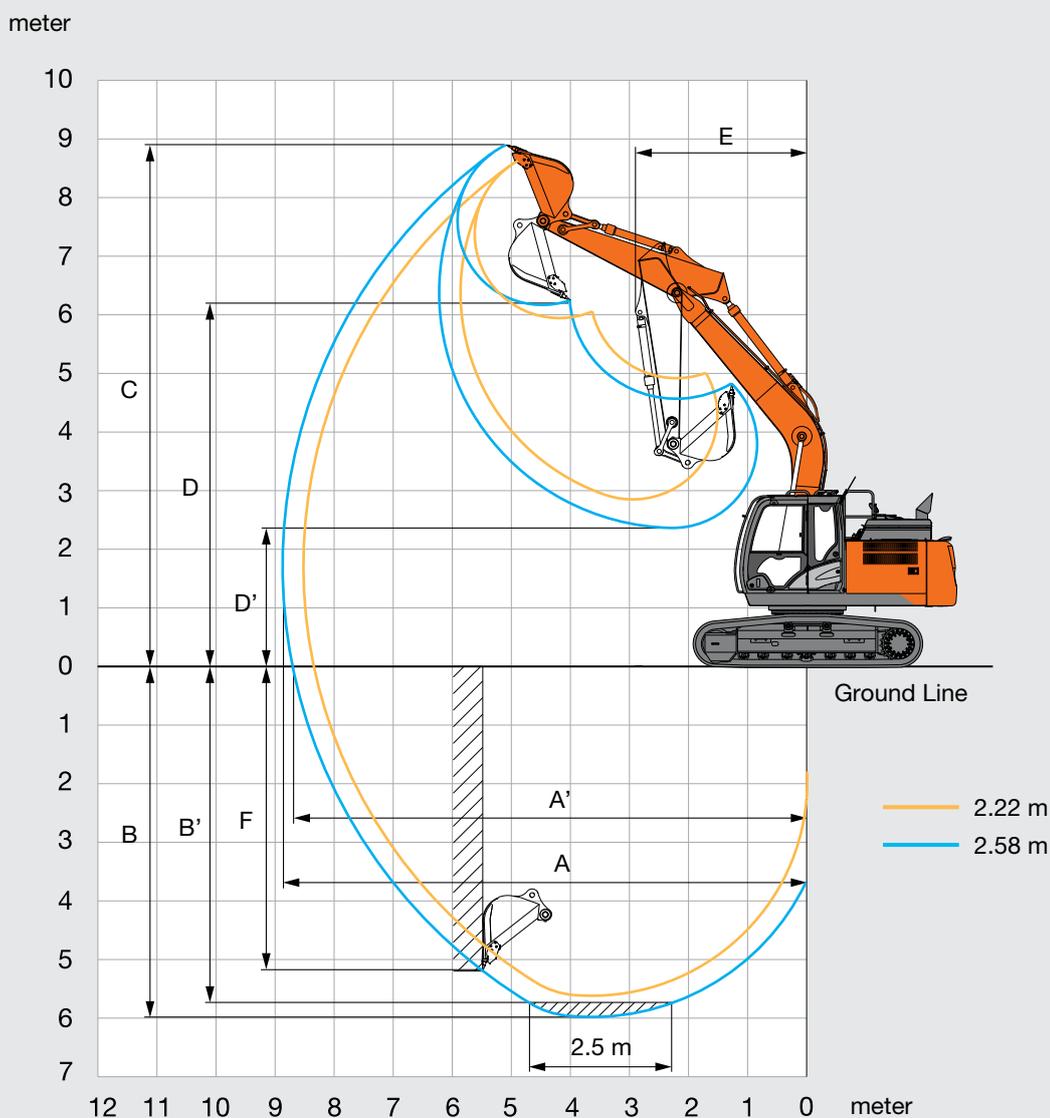
BUCKET AND ARM DIGGING FORCE

Arm length	ZAXIS 160LC	
	2.22 m	2.58 m
Bucket digging force* ISO	112 kN	
Bucket digging force* SAE : PCSA	99 kN	
Arm crowd force* ISO	115 kN	91 kN
Arm crowd force* SAE : PCSA	110 kN	88 kN

* At power boost

SPECIFICATIONS

WORKING RANGES: MONOBLOCK BOOM

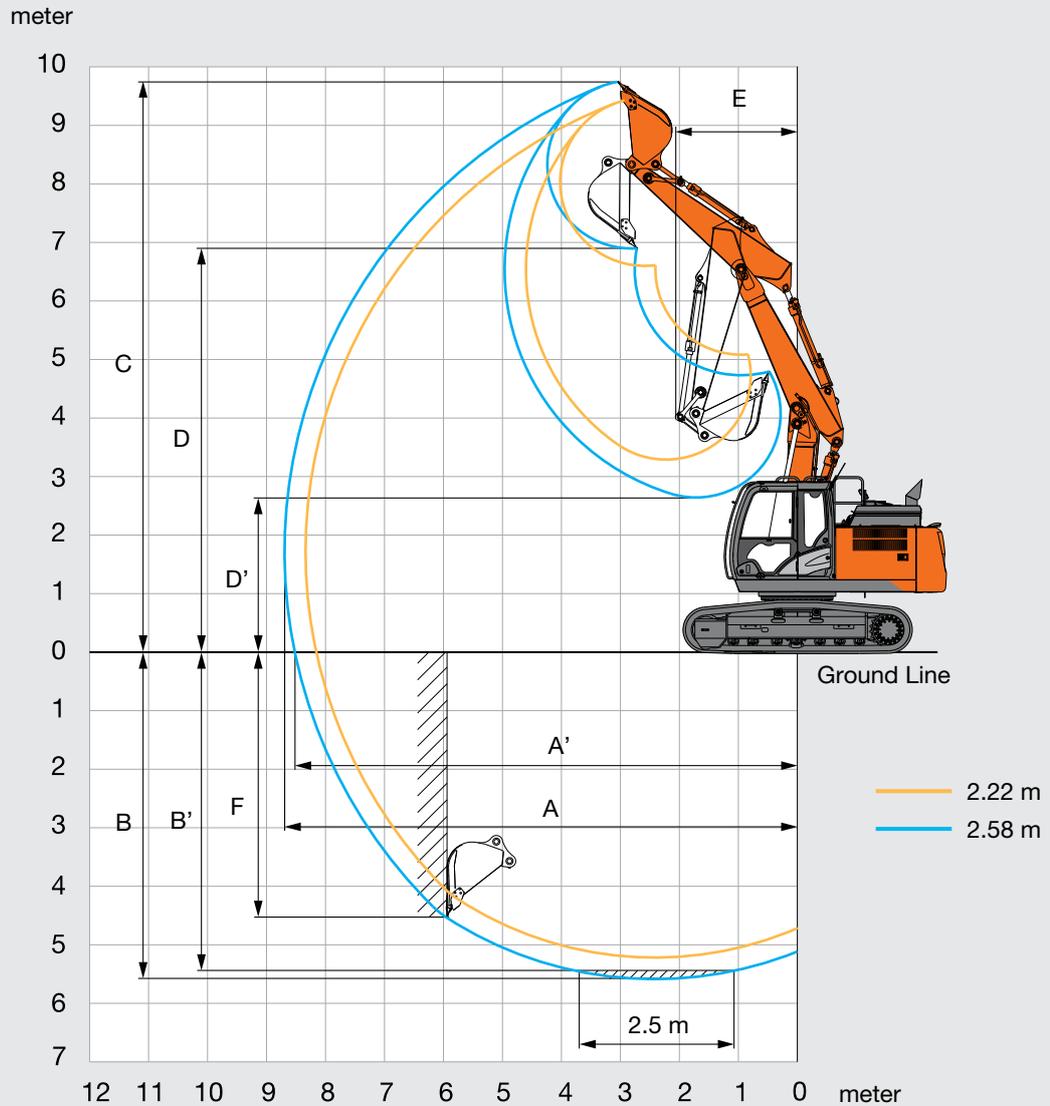


Unit: mm

	ZAXIS 160LC	
	Monoblock boom	
Arm length	2.22 m	2.58 m
A Max. digging reach	8 520	8 870
A' Max. digging reach (on ground)	8 340	8 700
B Max. digging depth	5 620	5 980
B' Max. digging depth for 2.5 m level	5 340	5 740
C Max. cutting height	8 620	8 880
D Max. dumping height	5 940	6 170
D' Min. dumping height	2 750	2 380
E Min. swing radius	3 290	2 910
F Max. vertical wall digging depth	4 510	5 160

Excluding track shoe lug

WORKING RANGES: 2-PIECE BOOM



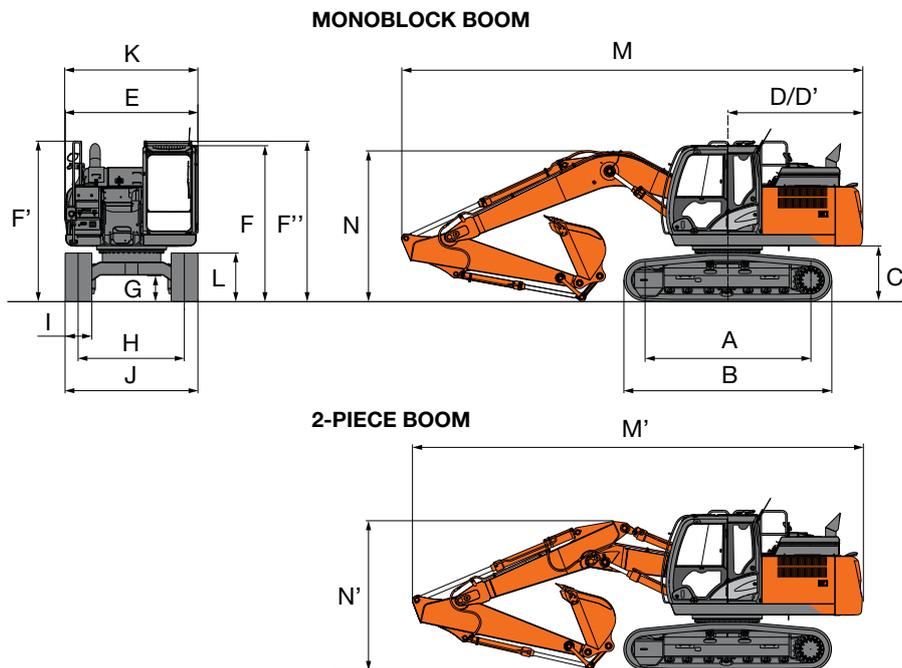
Unit: mm

	ZAXIS 160LC	
	2-Piece boom	
Arm length	2.22 m	2.58 m
A Max. digging reach	8 330	8 690
A' Max. digging reach (on ground)	8 150	8 510
B Max. digging depth	5 210	5 580
B' Max. digging depth for 2.5 m level	5 090	5 470
C Max. cutting height	9 420	9 740
D Max. dumping height	6 600	6 900
D' Min. dumping height	3 320	2 670
E Min. swing radius	2 580	2 070
F Max. vertical wall digging depth	4 230	4 710

Excluding track shoe lug

SPECIFICATIONS

DIMENSIONS



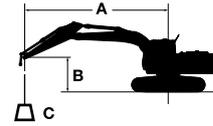
Unit: mm

	ZAXIS 160LC
A Distance between tumbler	3 100
B Undercarriage length	3 920
* C Counterweight clearance	980
D Rear-end swing radius	2 550
D' Rear-end length	2 530
E Overall width of upperstructure	2 480
F Overall height of cab	2 950
F' Overall height of handrail	3 030
F'' Overall height of handrail (on cab)	3 030
* G Min. ground clearance	470
H Track gauge	1 990
I Track shoe width	G 500
J Undercarriage width	2 490
K Overall width	2 500
* L Track height with triple grouser shoes	920
MONOBLOCK BOOM	
M Overall length	
With arm 2.22 m	8 720
With arm 2.58 m	8 620
N Overall height of boom	
With arm 2.22 m	3 190
With arm 2.58 m	2 870
2-PIECE BOOM	
M' Overall length	
With arm 2.22 m	8 520
With arm 2.58 m	8 420
N' Overall height of boom	
With arm 2.22 m	3 090
With arm 2.58 m	2 830

* Excluding track shoe lug G: Triple grouser shoe

LIFTING CAPACITIES

- Notes:
1. Ratings are based on ISO 10567.
 2. Lifting capacity does not exceed 75% of tipping load with the machine on firm, level ground or 87% full hydraulic capacity.
 3. The load point is the center-line of the bucket pivot mounting pin on the arm.
 4. *Indicates load limited by hydraulic capacity.
 5. 0 m = Ground.



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

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

ZAXIS 160LC MONOBLOCK BOOM

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

Conditions	Load point height m	Load radius								At max. reach		
		1.5 m		3.0 m		4.5 m		6.0 m				meter
Boom 5.10 m Arm 2.22 m Counterweight 3 200 kg Shoe 500 mm	4.5					*4 980	*4 980	*4 600	3 440	4 560	3 020	6.51
	3.0					*6 260	5 000	5 060	3 320	4 030	2 650	6.97
	1.5					7 540	4 700	4 910	3 180	3 860	2 520	7.08
	0 (Ground)					7 360	4 540	4 810	3 090	3 980	2 590	6.87
	-1.5			*11 720	8 320	7 330	4 510	4 790	3 080	4 490	2 900	6.30
	-3.0			*10 430	8 490	*7 300	4 610			5 910	3 760	5.25
Boom 5.10 m Arm 2.58 m Counterweight 3 200 kg Shoe 500 mm	6.0							*3 300	*3 300	*3 150	*3 150	6.05
	4.5					*4 560	*4 560	*4 290	3 460	*3 080	2 770	6.89
	3.0			*8 860	*8 860	*5 870	5 070	*4 840	3 330	*3 180	2 460	7.33
	1.5					*7 250	4 740	4 920	3 190	*3 460	2 350	7.44
	0 (Ground)			*6 260	*6 260	7 370	4 550	4 800	3 080	3 680	2 390	7.23
	-1.5	*5 740	*5 740	*10 420	8 260	7 310	4 490	4 760	3 040	4 090	2 650	6.69
	-3.0	*10 310	*10 310	*11 030	8 410	7 380	4 550			5 170	3 310	5.72
	-4.5									*6 090	5 690	3.98

ZAXIS 160LC 2-PIECE BOOM

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

Conditions	Load point height m	Load radius								At max. reach		
		1.5 m		3.0 m		4.5 m		6.0 m				meter
2-Piece Boom Arm 2.22 m Counterweight 3 200 kg Shoe 500 mm	7.5			*6 470	*6 470					*5 880	*5 880	3.66
	6.0					*4 990	*4 990			*4 420	4 170	5.38
	4.5			*6 950	*6 950	*5 260	*5 260	*4 220	3 490	*3 940	3 180	6.30
	3.0			*9 360	*9 360	*6 140	5 320	*4 450	3 440	*3 810	2 760	6.78
	1.5	*10 840	*10 840	*11 790	9 350	*7 600		*4 890	3 320	*3 910	2 620	6.90
	0 (Ground)	*13 720	*13 720	*12 810	9 220	7 680	5 010	4 940	3 170	4 170	2 680	6.68
	-1.5	*20 350	*20 350	*12 970	8 860	7 620	4 710	4 850	3 090	4 750	3 030	6.09
	-3.0	*24 470	*24 470	*11 720	8 650	*6 510	4 660			*4 800	4 040	4.99
2-Piece Boom Arm 2.58 m Counterweight 3 200 kg Shoe 500 mm	7.5									*3 610	*3 610	4.30
	6.0					*4 440	*4 440			*3 150	*3 150	5.83
	4.5			*4 960	*4 960	*5 000	*5 000	*4 010	3 560	*3 050	2 910	6.69
	3.0	*13 890	*13 890	*10 130	9 640	*5 800	5 330	*4 260	3 510	*3 130	2 560	7.14
	1.5	*15 040	*15 040	*11 740	*9 400	*7 190	5 170	*4 700	3 380	*3 390	2 430	7.26
	0 (Ground)	*12 430	*12 430	*12 670	9 360	*7 670	5 100	4 960	3 210	3 850	2 480	7.05
	-1.5	*16 110	*16 110	*12 880	8 900	*7 660	4 770	4 850	3 090	4 310	2 760	6.49
	-3.0	*18 650	*18 650	*12 540	8 660	*7 480	4 630			*4 720	3 520	5.48

EQUIPMENT

● : Standard equipment

○ : Optional equipment

ENGINE

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

HYDRAULIC SYSTEM

Auto power lift	●
Control valve with main relief valve	●
Extra port for control 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	●
Variable reliefvalve for breaker & crusher	●
Work mode selector	●

CAB

All-weather sound suppressed steel cab	●
AM-FM radio	●
Ashtray	●
Auto control air conditioner	●
AUX function lever (Breaker assist)	○
AUX terminal and storage	●
Cigarette lighter 24 V	●
CRES V (Center pillar reinforced structure) cab	●
Drink holder with hot & cool function	●
Electric double horn	●
Engine shut-off switch	●
Equipped with reinforced, tinted (green color) glass windows	●
Evacuation hammer	●
Floor mat	●
Footrest	●
Front window washer	●
Glove compartment	●
Hot & cool box	●
Intermittent windshield wipers	●
Key cylinder light	●
Laminated round glass window	○
LED room light with door courtesy	●
OPG front guard Level II (ISO10262) compliant cab	○
OPG top guard Level I (ISO10262) compliant cab	●
OPG top guard Level II (ISO10262) compliant cab	○
Pilot control shut-off lever	●
Power outlet 12 V	○
Rain guard	○
Rear tray	●
Retractable seat belt	●
ROPS (ISO12117-2) compliant cab	●
Rubber radio antenna	●
Seat : air suspension seat with heater	●
Seat adjustment part : backrest, armrest, height and angle, slide forward / back	●
Short wrist control levers	●
Sun visor (front window/side window)	○
Transparent roof with slide curtain	●
Windows on front, upper, lower and left side can be opened	●
2 speakers	●
4 fluid-filled elastic mounts	●

MONITOR SYSTEM

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

LIGHTS

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

UPPER STRUCTURE

Batteries 2 x 74 Ah	●
Battery disconnect switch	●
Cab top handrail	●
Counterweight 3 200 kg	●
Electric fuel refilling pump with auto stop and filter	●
Fuel level float	●
Hydraulic oil level gauge	●
Lockable fuel refilling cap	●
Lockable machine covers	●
Lockable tool box	●
Platform handrail	●
Rear view camera	●
Rear view mirror (right & left side)	●
Skid-resistant plates and handrails	●
Swing parking brake	●
Undercover	●
Utility space	●

UNDERCARRIAGE

Bolt-on sprocket	●
Reinforced track links with pin seals	●
Shoe: 500 mm triple grouser	●
Track undercover	○
Travel direction mark on track frame	●
Travel motor covers	●
Travel parking brake	●
Upper and lower rollers	●
1 track guards (each side) and hydraulic track adjuster	●
4 tie down brackets	●

FRONT ATTACHMENTS

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

ATTACHMENTS

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

MISCELLANEOUS

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

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

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.

