Devices

●: Standard devices ○: Optional devices

ENGINE	
Air cleaner	●
Double filter elements of air filter	●
Integrated engine oil filter	●
Integrated fuel pre-filter	●
Integrated main fuel filter	●
Dry-type air cleaner with a vacuum valve (equipped with an air cleaner blockage indicator)	●
Insect screen	●
E/P mode control	●
Fan guard	●
Radiator auxiliary water tank	●
Oil water separator	●
55 A alternator	●

HYDRAULIC SYSTEM	
Boom anti-drift valve	●
Control valve with a main relief valve	●
E-P control system	●
Full-flow high performance filter	●
Spare oil port (one) for control valve	●
Pilot filter	●
Oil absorption cleaner	●

CAB	
All-weather sound insulation steel structure cab	●
Ashtray	●
Air conditioner	●
CRES cab (corner pillar reinforced structure)	●
In compliance with the TOPS standard	●
Drinking cup holder	●
Electric two-tone horn	●
Engine emergency stop switch	●
Emergency hammer	●
Fire extinguisher support	●
Floor mat	●
Front window washer	●
The front window, left window and top window can be opened	●
Glove box	●
Windshield wiper	●
Pilot control interceptor bar	●
Safety belt	●
Seat: PVC seat	●
Seat adjustment part: backrest and front/rear sliding	●
4 liquid filled elastic supports	●
12 V backup power supply	●
Handrail	●

MONITORING SYSTEM	
Alarm buzzer: Oil pressure and engine overheating	●
Instruments: Hour meter, engine coolant temperature gauge, and fuel gauge	●
Indicators: Operation indicator, walking mode indicator, and ECO/PWR mode indicator	●
Alarm lamp: Alternator charging, oil pressure, engine overheating, minimum fuel level, and engine alarms	●

LAMPS	
2 operating lamps	●

SUPERSTRUCTURE	
Fuel level float	●
Hydraulic oil level gauge	●
Rear view mirrors (left and right)	●
Slewing stop brake	●
Toolbox	●
Grease barrel bracket	●
Bottom cover	●
1×70 Ah battery	●
300 kg counterweight	●

LOWER WALKING BODY	
Bulldozing plate	●
Bolt connected sprocket	●
Crawler hydraulic tensioning mechanism	●
Reinforced rail chain with pin shaft seal	●
Walking motor cover	●
Walking stop brake	●
Carrier roller and thrust wheel	●
400 mm three-bar crawler plate	●

FRONT END OPERATING DEVICE	
All bucket pins equipped with dust seal	●
Integral cast bucket A connecting rod	●
Reinforced resin thrust plate	●
New HN bushing	●
0.18 m³ bucket (ISO full bucket)	●
1.38 m bucket rod	●
2.85 m boom	●

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.

KSH-ZH064 21.01/MO/AK.GT3

Hitachi Construction Machinery Asia and Pacific Pte. Ltd.
www.hitachicm.com.sg

ZAXIS-5 series

HITACHI

Reliable solutions

ZAXIS60c

Hitachi Hydraulic Excavator

Model: ZX60C-5A
Rated Power of Engine: (Total) 29.5 kW (40.1 PS); (Net) 28.1 kW (38.2 PS)
Operating Weight: 5,400 kg
Bucket Volume (ISO full bucket): 0.18 m³

60C Purchase Intention

Official WeChat Account of Hitachi Construction Machinery

Tik Tok Account of Hitachi Construction Machinery

ZAXIS60c

Made by Hitachi
Inventive Quality

Oriented by the customer demands and adhering to the philosophy of providing customers with comprehensive solutions, Hitachi Construction Machinery has developed the ZX60C-5A excavator with high cost performance and high stability by using mature technologies, which brings successful and professional solutions to earthwork operation customers who attach importance to low cost operation and pursue stable and comprehensive performance.

- The high-end quality of core parts improves value preservation of the product.
- Hitachi's excellent high-performance hydraulic system can be controlled sensitively to enhance work efficiency.
- The rare full electronic variable-speed engine of the same tonnage can better make full use of fuel.
- The spacious and comfortable cab of the same tonnage makes operations more convenient.
- Diversified and omni-directional personalized services are provided.
- Accessories solutions make customers completely rest assured about after-sales problems.

The product is mostly used for earthwork operation in Urban Construction Agriculture and Forestry and also functions as an edge tool for jumbo-shift short rent and leasing.

High quality & Efficiency
Made by Hitachi

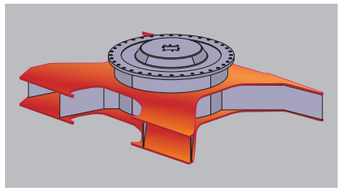
Made by Hitachi
High End Quality, Improving Durability and Value Preservation

High-end Quality of Core Parts

The engine, pump, valve, motor and other core components inherit the consistent high-end quality of Hitachi's products, improving durability and value preservation.

Reliable and Durable Structural Design

The upper revolving frame adopts the D-shape section rack, which improves the strength of resisting external impact. The X-beam of the lower walking body is designed in an integrated welding structure, which improves the dropping strength and stability.
A reinforcing plate is installed on the bucket rod, a wear plate is installed on the bucket bottom, and the boom cylinder employs a strong cover plate for protection. More reliable designs not only extend the service life of the product, but also add more value to the product.



Hitachi System
Outstanding Performance and Easy Control, Ensuring Higher Work Efficiency

Hitachi's Extraordinary HHH System

Hitachi's extraordinary high-performance hydraulic system (HHH system) comes up with the smooth intermodal operation experience of man-machine integration by optimizing the flow distribution.
The control lever features moderate stroke and good microoperation performance, enabling operators to operate freely.
The product shows excellent operation performance and can coordinate with truck loading operation and move flexibly. The development on the panel realizes easy switching of the walking speed (high speed/low speed).

The engine is equipped with cold start control. When the coolant temperature is lower than 10°C, the instantaneous injection quantity of the engine is increased to enhance the start performance and avoid flameout and landing failure.

The standard bulldozing plate gives full play to its advantages in backfilling, leveling, and cleaning of the construction site. The breaking hammer pipe support and spare valve are reserved.

Low Operating Cost Brings More Value

The Full Electronic Variable-speed Engine Can Better Make Full Use of Fuel

The product is equipped with a rare full electronic variable-speed engine of the same tonnage to realize synchronous control. Compared with the mechanical speed regulation, it can make full use of fuel, reduce fuel consumption substantially while ensuring the operation volume, and show excellent fuel efficiency among products of the same tonnage. Exhaust emission complies with China's Stage III Emission Standard.

Routine Maintenance Convenient, Saving Time, Labor, and Cost

The parts for routine maintenance and inspection are reasonably laid out, which improves the maintenance efficiency.

Hitachi's pure high performance hydraulic oil filter is adopted, with its replacement cycle of 1000 hours and the hydraulic oil replacement cycle of 3000 hours.

The rotary reducer is lubricated by hydraulic oil, so there is no need to change lubricating oil or check the oil quantity of the rotary reducer every day.

Comfortable & Relaxed

Spacious and Comfortable Operation Space, Enabling Operators to Operate Easily and Safely

Abundant Operation Space and Wide Field of Vision

The product is equipped with a large cab of the same tonnage, characterized by a spacious leg space, a big window and a wide field of vision during operation. Both the front window and the lower windshield can be removed, and the top skylight can be opened.

User Friendly Design

The monitor and switchboard are set on the right side of the operator in a centralized way, making operations convenient and efficient. The considerate configuration including the high-power air conditioner and standby power supply makes it uneasy for the operator to feel tired even after work for the long time.

Safety Design

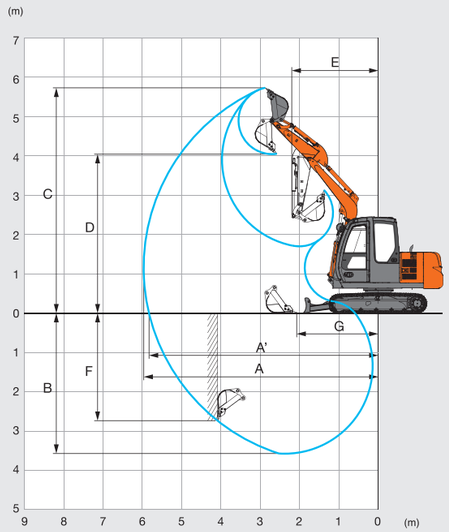
In case of an unexpected engine failure, the engine can be easily shut down with the emergency stop switch. In addition, a power cut-off switch is provided and can avoid the problems of power shortage of storage battery and line failure when the product is shut down or not used for a long time. The pilot lock bar starting mechanism is adopted. The engine can be started only when the pilot lock bar is in the locked position, which can prevent the misoperation caused by unintentional touch after startup.

Solid and Reliable Cab

Hitachi's CRES (corner pillar reinforced) cab adopted for the product is highly acclaimed. The main part is equipped with a high-strength reinforced beam, which improves the overall strength of the cab.

Technical Specifications

OPERATING RANGE

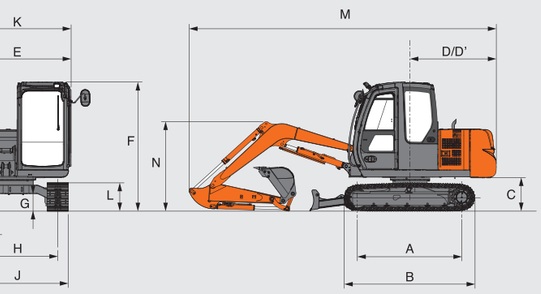


Unit: mm

	Bucket rod length	1.38 m
A	Maximum excavation radius	5,970
A'	Maximum excavation radius (on the ground)	5,830
B	Maximum excavation depth	3,550
C	Maximum cutting height	5,730
D	Maximum unloading height	4,050
E	Minimum radius of gyration	2,210
F	Maximum vertical excavation depth	2,760
G	Minimum horizontal excavation distance	2,080

Excluding the flange height of the crawler plate

DIMENSIONS

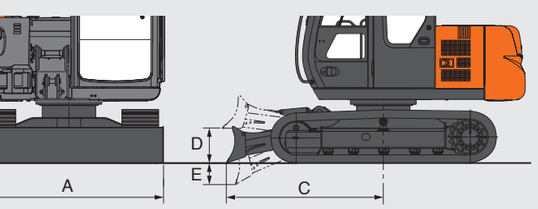


Unit: mm

A	Wheel spacing	2,000
B	Lower walking body length	2,490
* C	Ground clearance of counterweight	620
D	Rear radius of gyration	1,650
D'	Back end length	1,650
E	Total width of upper revolving frame	2,060
F	Total height of cab	2,470
* G	Minimum ground clearance	310
H	Track gauge	1,600
I	Crawler plate width	400
J	Lower walking body width	2,000
K	Total width	2,060
* L	Crawler height	540
M	Total length	5,880
N	Total height of boom	1,710

* Excluding the flange height of the crawler plate

DIMENSIONS (BULLDOZING PLATE)



Equipped with a 400 mm three-bar crawler plate

A	Total width of bulldozing plate	2,000 mm
B	Total height of bulldozing plate	410 mm
C	Distance from the bulldozing plate to the center of gyration	1,915 mm
D	Maximum rising height	430 mm
E	Maximum descending depth	400 mm

Technical Specifications

ENGINE

Model 4TNV88
Type ..... 4-stroke, water-cooled, and direct injection type
Number of cylinders 4
Rated power:
(Total) ISO 14396/SAE J1995 .. 29.5 kW (40.1 PS)/2,400 min^{-1} (rpm)
(Net) ISO 9249/SAE J1349 ..... 28.1 kW (38.2 PS)/2,400 min^{-1} (rpm)
Maximum torque ..... 140.3 Nm (14.3 kgfm)/1,100 min^{-1} (rpm)
Piston displacement ..... 2.189 L
Cylinder bore × stroke ..... 88 mm × 90 mm
Battery ..... 1 × 12 V/70 Ah

HYDRAULIC SYSTEM

Hydraulic Pump

Main pump ..... 1 variable axial piston pump
Maximum flow ..... 1 × 120 L/min
Pilot pump ..... 1 gear pump
Maximum flow ..... 12 L/min

Hydraulic Motor

Walking ..... 2 variable axial piston motors
Gyration ..... 1 axial piston motor

Relief Valve Settings

Operating oil circuit ..... 24.5 MPa (250 kgf/cm^2)
Rotary oil circuit ..... 18 MPa (180 kgf/cm^2)
Walking oil circuit ..... 24.5 MPa (250 kgf/cm^2)
Pilot oil circuit ..... 3.9 MPa (40 kgf/cm^2)

Hydraulic Cylinder

	Qty	Cylinder bore	Rod diameter
Boom cylinder	1	95 mm	55 mm
Bucket rod cylinder	1	80 mm	50 mm
Bucket cylinder	1	75 mm	45 mm

UPPER REVOLVING FRAME

Slewing Frame

A D-shape section rack is used to prevent deformation.

Slewing Mechanism

The axial piston motor with planetary reduction gears lubricated by oil immersion. The slewing bearing is designed in a single row. The slewing parking brake is a spring compression/hydraulic separation disc brake.
Slewing speed ..... 9.0 min^{-1} (rpm)
Slewing torque ..... 8.0 kNm (816 kgf·m)

Cab

The independent and spacious cab is 1005 mm wide and 1675 mm high, complying with the tip-over protection structure (TOPS) standard.

LOWER WALKING BODY

Crawler

The hydraulic (grease) crawler tensioning mechanism is equipped with a shock absorption recoil spring.

Numbers of Trolley Wheels and Crawler Plates (each side)

Carrier roller 1
Thrust wheel 5
Crawler plate 39

Walking Gear

The crawler at each side is driven by a two-speed axial piston motor. The parking brake is a spring compression/hydraulic separation disc brake.
Automatic transmission system: High-Low
Walking speed ..... High: 0 to 4.0 km/h
Low: 0 to 2.4 km/h
Maximum traction ..... 38.3 kN (3,908 kgf)
Climbing ability ..... 58% (30°) continued

MAINTENANCE OIL INJECTION QUANTITY

Fuel tank ..... 120.0 L
Engine coolant ..... 4.7 L
Engine oil ..... 7.4 L
Walking gear (each side) ..... 0.9 L
Hydraulic system ..... 93 L
Hydraulic tank ..... 60.0 L

OPERATING WEIGHT AND GROUND PRESSURE

Operating Weight and Ground Pressure

Crawler plate type	Crawler plate width	Bucket capacity (ISO full bucket)	Bucket weight	Counterweight	Operating weight	Ground pressure
Three-bar crawler plate	400 mm	0.18 m^3	145 kg	300 kg	5,400 kg	30 kPa (0.31 kgf/cm^2)

BACKHOE-TYPE FRONT END OPERATING DEVICE

The boom and bucket rod are designed as long box weldments.
The bucket rod is in a steel welded structure. The bucket rod joint bracket is equipped with a gap adjustment mechanism.