

Reliable solutions

# ZAXIS130



## HYDRAULIC EXCAVATOR

Model Code : ZX130-5G / ZX130K-5G

Engine Rated Power : 66.0 kW (88.5 HP)

Operating Weight : ZX130-5G : 12 200 - 12 800 kg

ZX130K-5G : 13 200 kg

Backhoe Bucket : ISO Heaped : 0.19 - 0.59 m<sup>3</sup>

# ZAXIS Empower your Vision.

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

New ZAXIS features the key benefits of high quality, low fuel consumption, and high durability, all of which serve to ensure low running costs.

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



## Key Benefits for Low Running Costs



### More Production with Less Fuel

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- 8% reduction in fuel consumption, 4% increase in production
- More fuel reduction in the ECO mode
- Swift front movements with HIOS III hydraulics
- Powerful lifting operation
- Power boost
- Boosted traction force



### No Compromise on Operator Comfort

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- Comfortable operating environment
- Comfort-designed operator seat
- Robust cab
- New, easy-to-use multifunction monitor



### Pursuits of Performance and Durability

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



### Simplified Maintenance

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



## Reliable Solutions, Various Versions

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- Easy to use attachments
- Demolition version: K-series



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

Note: The photos in this brochure show excavators equipped with 3.01 m reinforced arm, 0.45 m<sup>3</sup> bucket.

# More Production with Less Fuel

## 8% Reduction in Fuel Consumption, 4% Increase in Production

New ZAXIS is a fuel-thrifty excavator that can reduce fuel consumption by 8% while increase production by 4%, compared to the precedent ZX120-1, thanks to the HIOS III hydraulic system and engine control system, thereby reducing CO<sub>2</sub> emissions.

## More Fuel Reduction in the ECO mode

The ECO mode, a new economical mode, gives high productivity with less fuel and can cut fuel consumption by 14% compared to the PWR mode.



## Swift Front Movements with HIOS\* III Hydraulics

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

\*Human & Intelligent Operation System

### Rapid Arm Roll-in

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

### Fast Arm Speed During Boom Lowering

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



### Power Boost

The Power Boost allows the operator to surge 5% more digging force for powerful excavation by pressing its button on the control lever.

### Boosted Traction Force

The traction force is increased by 15%, allows powerful traveling on rough ground.

### Powerful Lifting Operation

The Auto Power Lift mode, which automatically surge lifting force by 6% when needed, allows for powerful lifting of buried concrete pipes or sheathing sheets.



# Pursuits of Performance and Durability



## Prestige R&D and Quality Control

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

R&D Division has a track record – including excellent design, stress analysis expertise using CAE system, and abundant production data base. What's more, a large-scale durability test field (427 hm<sup>2</sup>) allows for a series of stringent testing of new machines.

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



## Durable, Reliable Engine

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

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

The cooling system well keeps the engine cool. The cooling fan is improved to cool the engine more efficiently.

The ample-capacity intercooler and turbocharger help yield a whopping 66.0 kW (88.5 HP) output for higher production in shorter job schedule.



## Rock-Solid, Durable Front Attachment

The brackets at the boom foot enhance its durability because of steel bushings added. Arm cylinder and boom cylinders (rod extend ends) cushion shocks at stroke ends to cut noise and extend service life.

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



## Strengthened Undercarriage

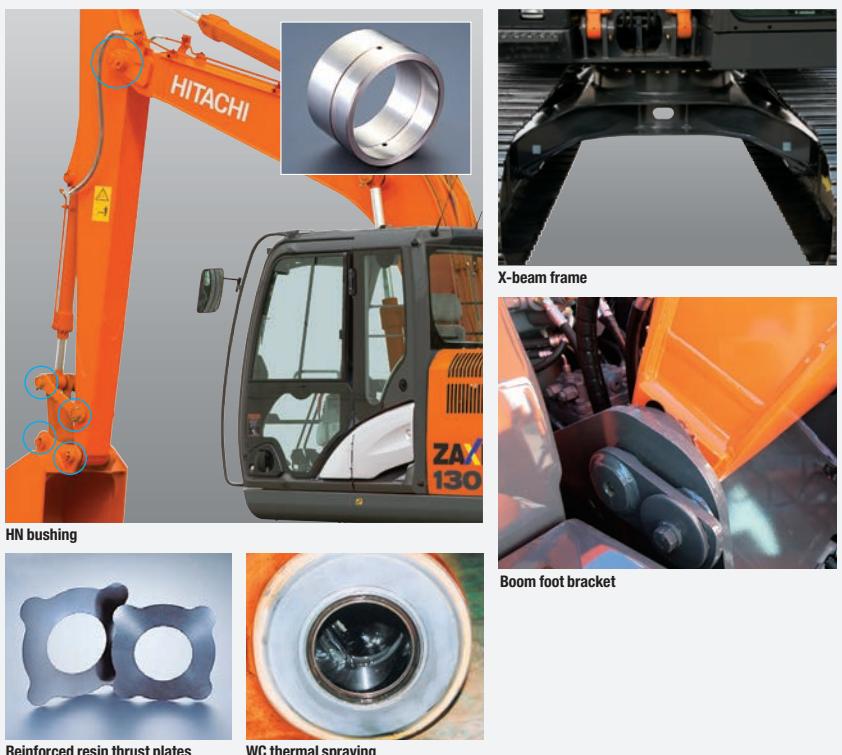
The X-beam frame is made monolithically with fewer welds for higher rigidity and durability.

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

## Proven Upperstructure

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

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



# No Compromise on Operator Comfort

## Comfortable Operating Environment

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

## Comfort-Designed Operator Seat

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



## Robust Cab

The robust cab, meeting the OPG (Top Guard Level 1), protects the operator from falling objects. The pirot control shut-off lever is provided with the neutral engine start system that permits engine starting only when the pirot control shut-off lever is in Lock position. The engine is lockable by entering a password through the 10-key panel.



Large storage space

## New, Easy-to-Use Multifunction Monitor

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

### Menu Items





# Simplified Maintenance



## Dust-Proof Net

A dust-proof net, provided at the front of radiator, can be easily removed and cleaned with compressed air.

## Grouped Remote Inspection Points

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

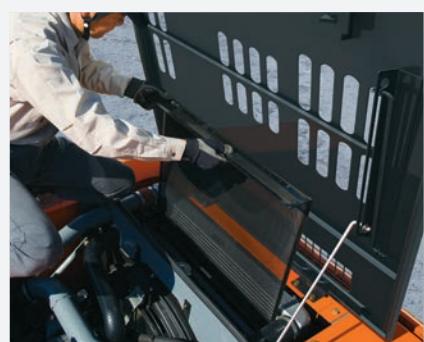


## Attractive, Robust Body

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



Grouped remote filters and inspection points



Dust-proof net



Fuel tank water drainage cock



### Low Life Cycle Costs

Service intervals are long enough to slash maintenance costs.



Lubricant

Consumables

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

# Reliable Solutions, Various Versions

## Easy-to-Use Attachments

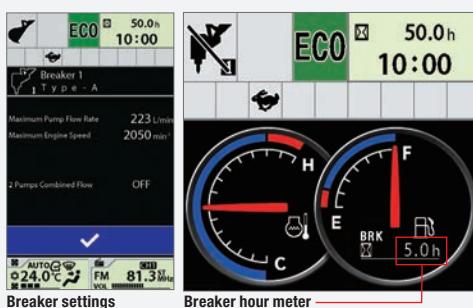
The operator can change over valves, adjust extra circuit flow, and check settings from the multifunctional monitor next to the operator seat. What's more, 11 jobs, including flow rate setting, can easily be selected by their identified names.

### Easy-to-Operate Breaker

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

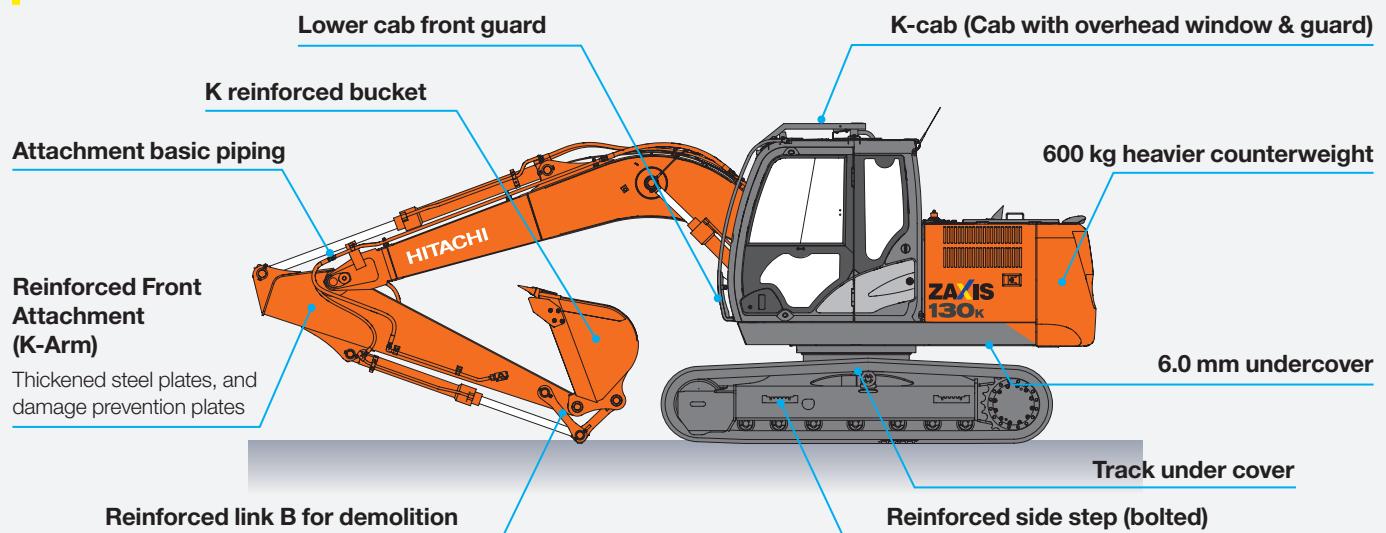
### Varied Jobs, Varied Options

Lower cab front guard is provided for protection against debris during demolition and breaker operation.





### Demolition Version: K-Series





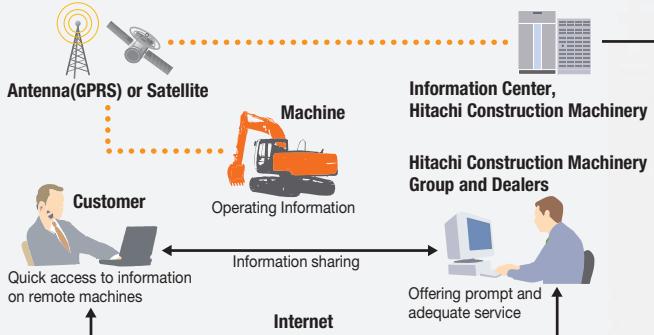
# Hitachi Support Chain

**Hitachi Support Chain is a full customer support system offered after buying a Hitachi machine.**

## Remote Fleet Management with Global e-Service

### Easy Access to On-Site Machines through the Internet

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



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

### Main Features of Global e-Service

#### Functions

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

#### Maintenance

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



## Parts and Service

**Hitachi full customer support is available every area on the globe for full customer satisfaction through Hitachi local dealers.**

### Parts

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

#### Genuine Hitachi Parts

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

#### Ground Engaging Tools (GETs)

Hitachi provides an array of Hitachi Ground Engaging Tools developed and built for a variety of applications.

Using high-quality, well-maintained GETs will help you get customers' trust.

Note: Some dealers do not handle Hitachi GETs.

#### Remanufactured Components

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

Note: Some dealers do not handle Hitachi Remanufactured Components.

### Service

#### Extended Warranty – HELP

Hitachi Standard Warranty System is available on all new Hitachi machines. In addition, Hitachi offers Hitachi Extended Life Programs (HELPs) to suit customer expectations –



protecting machines under tough operating conditions, avoiding unexpected downtime, and reducing repair costs.

Note: Warranty conditions vary by equipment.

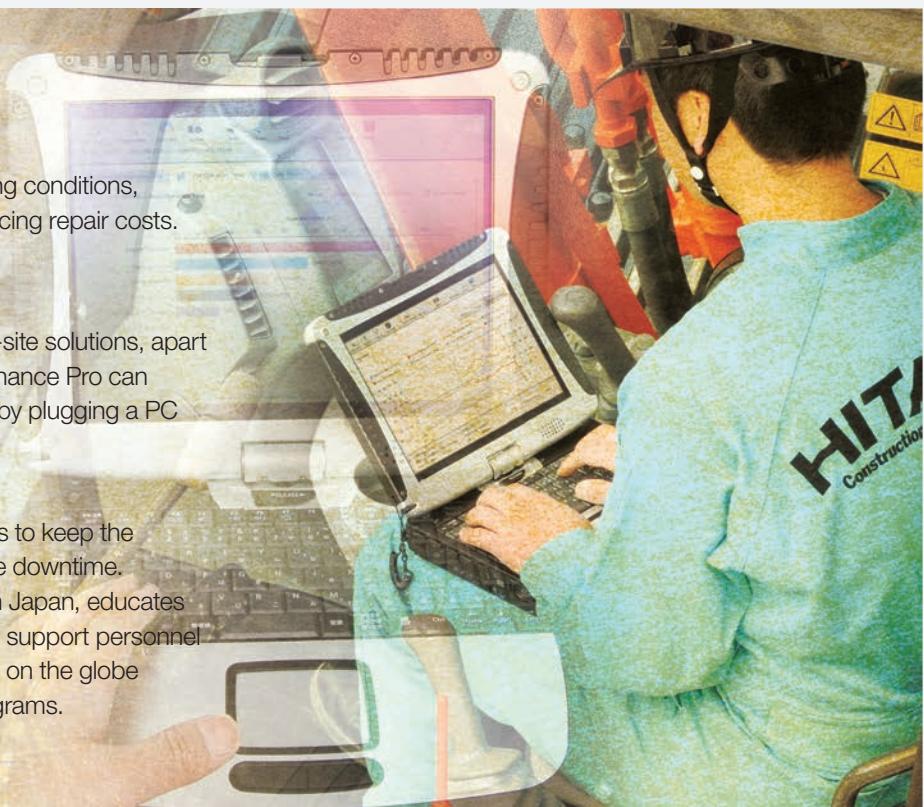
#### **Diagnostic Tools — Maintenance Pro**

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

#### **Technical Training**

On-site servicing matters despite locations to keep the machine at peak performance and reduce downtime.

Technical Training Center (TTC), located in Japan, educates and trains service technicians and service support personnel coming from Hitachi dealers and factories on the globe according to the international training programs.



# SPECIFICATIONS

## ENGINE

Model .....	Isuzu CC-4BG1T
Type .....	4-cycle water-cooled, direct injection
Aspiration .....	Turbocharged, intercooled
No. of cylinders .....	4
Rated power	
ISO 9249, net .....	66.0 kW (88.5 HP) at 2 150 min <sup>-1</sup> (rpm)
SAE J1349, net .....	66.0 kW (88.5 HP) at 2 150 min <sup>-1</sup> (rpm)
Maximum torque .....	347 Nm (35.4 kgfm) at 1 600 min <sup>-1</sup> (rpm)
Piston displacement ..	4.329 L
Bore and stroke .....	105 mm x 125 mm
Batteries .....	2 x 12 V / 55 Ah

## HYDRAULIC SYSTEM

### Hydraulic Pumps

Main pumps .....	2 variable displacement axial piston pumps
Maximum oil flow ..	2 x 116 L/min
Pilot pump .....	1 gear pump
Maximum oil flow ..	36.1 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 <sup>2</sup> )
Swing circuit .....	32.3 MPa (330 kgf/cm <sup>2</sup> )
Travel circuit .....	34.3 MPa (350 kgf/cm <sup>2</sup> )
Pilot circuit .....	4.0 MPa (41 kgf/cm <sup>2</sup> )
Power boost .....	36.3 MPa (370 kgf/cm <sup>2</sup> )

### Hydraulic Cylinders

	Quantity	Bore	Rod diameter
Boom	2	105 mm	70 mm
Arm	1	115 mm	80 mm
Bucket	1	100 mm	70 mm

## UPPERSTRUCTURE

### Revolving Frame

D-section frame skirt for resistance to deformation.

### Swing Device

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

Swing speed .....	13.7 min <sup>-1</sup> (rpm)
Swing torque .....	34 kNm (3 470 kgfm)

### Operator's Cab

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

\* International Organization for Standardization

## UNDERCARRIAGE

### Tracks

Heat-treated connecting pins with dirt seals. Hydraulic (grease) track adjusters with shock-absorbing recoil springs.

### Numbers of Rollers and Shoes on Each Side

Upper roller .....	1
Lower rollers .....	7
Track shoes .....	44

### Travel Device

Each track driven by 2-speed axial piston motor.

Parking brake is spring-set/hydraulic-released disc type.

Automatic transmission system: High-Low.

Travel speeds .....

High : 0 to 5.5 km/h

Low : 0 to 3.3 km/h

Maximum traction force .. 117 kN (11 900 kgf)

Gradeability .. 70% (35 degree) continuous

## SERVICE REFILL CAPACITIES

Fuel tank .....	280.0 L
Engine coolant .....	19.0 L
Engine oil .....	15.8 L
Swing device .....	3.2 L
Travel device (each side) .....	4.0 L
Hydraulic system .....	170.0 L
Hydraulic oil tank .....	70.0 L

## WEIGHTS AND GROUND PRESSURE

### Operating weight and Ground pressure

			ZX130-5G <sup>1</sup>		ZX130-5G with blade (optional) <sup>1</sup>	
Shoe type	Shoe width	Arm length	kg	kPa(kgf/cm <sup>2</sup> )	kg	kPa(kgf/cm <sup>2</sup> )
Triple grouser	500 mm	2.10 m	12 200	38 (0.39)	13 300	42 (0.43)
		2.52 m	12 200	38 (0.39)	13 300	42 (0.43)
		3.01 m	12 300	38 (0.39)	13 400	42 (0.43)
	600 mm	2.10 m	12 400	32 (0.33)	13 600	35 (0.36)
		2.52 m	12 500	32 (0.33)	13 600	35 (0.36)
		3.01 m	12 600	33 (0.34)	13 700	36 (0.37)
	700 mm	2.10 m	12 600	28 (0.29)	13 800	31 (0.32)
		2.52 m	12 700	28 (0.29)	13 800	31 (0.32)
		3.01 m	12 700	28 (0.29)	13 900	31 (0.32)
Triangular	700 mm	2.10 m	12 500	27 (0.28)	12 600	30 (0.31)
		2.52 m	12 500	27 (0.28)	13 700	30 (0.31)
		3.01 m	12 600	27 (0.28)	13 800	30 (0.31)
Flat	510 mm	2.10 m	12 600	38 (0.39)	13 800	42 (0.43)
		2.52 m	12 700	39 (0.40)	13 800	42 (0.43)
		3.01 m	12 800	39 (0.40)	13 900	43 (0.44)
Pad crawler	500 mm	2.10 m	12 200	38 (0.39)	13 400	41 (0.42)
		2.52 m	12 300	38 (0.39)	13 400	41 (0.42)
		3.01 m	12 400	38 (0.39)	13 500	42 (0.43)

			ZX130K-5G <sup>2</sup>	
Shoe type	Shoe width	Arm length	kg	kPa(kgf/cm <sup>2</sup> )
Triple grouser	500 mm	2.52 m	13 200	41 (0.42)

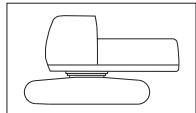
\*<sup>1</sup> : Including 0.50 m<sup>3</sup> (ISO heaped) bucket weight (410 kg) and counterweight (2 400kg).

\*<sup>2</sup> : Including 0.50 m<sup>3</sup> (ISO heaped) H-bucket weight (480 kg) and counterweight (3 000kg).

# SPECIFICATIONS

## WEIGHT: BASIC MACHINE and COMPONENTS

### Basic Machine Weight and Overall width



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

ZX130-5G

Shoe width	Weight	Overall width
500 mm	9 500 kg	2 490 mm
600 mm	9 800 kg	2 590 mm
700 mm	10 000 kg	2 690 mm

ZX130K-5G

Shoe width	Weight	Overall width
500 mm	10 300 kg	2 490 mm

### Component weights

	ZX130-5G	ZX130K-5G
Counterweight	2 400 kg	3 000 kg
Boom (with boom and arm cylinder)	1 220 kg	1 250 kg
2.10 m arm (with bucket cylinder)	560 kg	—
2.52 m arm (with bucket cylinder)	600 kg	670 kg
3.01 m arm (with bucket cylinder)	670 kg	—
0.50 m <sup>3</sup> bucket	410 kg	480 kg

## BUCKET AND ARM DIGGING FORCES

Arm length	2.10 m	2.52 m	3.01 m
Bucket digging force* ISO	104 kN (10 600 kgf)	104 kN (10 600 kgf)	104 kN (10 600 kgf)
Bucket digging force* SAE : PCSA	91 kN (9 300 kgf)	91 kN (9 300 kgf)	91 kN (9 300 kgf)
Arm crowd force* ISO	77 kN (7 900 kgf)	69 kN (7 000 kgf)	61 kN (6 200 kgf)
Arm crowd force* SAE : PCSA	74 kN (7 600 kgf)	67 kN (6 800 kgf)	60 kN (6 100 kgf)

\* At power boost

## BACKHOE ATTACHMENTS

Boom and arms are of welded, box-section design. 4.60 m boom, and 2.10 m, 2.52 m and 3.01 m arms are available. Bucket is of welded steel structure. Side clearance adjust mechanism provided on the bucket joint bracket.

### Buckets

Capacity	Width		No. Of teeth	Weight	Recommendation			
					ZX130-5G			ZX130K-5G
	Without side cutters	With side cutters			2.10 m arm	2.52 m arm	3.01 m arm	2.52 m K-arm
ISO heaped								
0.19 m <sup>3</sup>	450 mm	570 mm	3	260 kg	◎	◎	◎	◎
0.30 m <sup>3</sup>	580 mm	700 mm	3	310 kg	◎	◎	◎	◎
0.40 m <sup>3</sup>	720 mm	840 mm	4	360 kg	◎	◎	◎	◎
0.45 m <sup>3</sup>	800 mm	920 mm	5	390 kg	◎	◎	○	◎
0.50 m <sup>3</sup>	890 mm	1 010 mm	5	410 kg	◎	◎	* <sup>1</sup> ○	◎
0.59 m <sup>3</sup>	950 mm	1 070 mm	5	430 kg	◎	○	—	○
0.66 m <sup>3</sup>	1 030 mm	—	5	430 kg	□	—	—	—
* <sup>2</sup> 0.50 m <sup>3</sup>	890 mm	1 010 mm	5	480 kg	◎	◎	* <sup>1</sup> ○	◎
* <sup>2</sup> 0.59 m <sup>3</sup>	950 mm	1 070 mm	5	500 kg	◎	○	—	○
One-point ripper			1	320 kg	●	●	—	—
Slope-finishing blade: Width 1 100 mm, length 1 600 mm	—			430 kg	◇	◇	◇	—
V shape Bucket:			3	390 kg	○	○	○	—

\*<sup>1</sup> With 700 mm shoes only

\*<sup>2</sup> Reinforced bucket

◎ Suitable for materials with density of 2 000 kg/m<sup>3</sup> or less

○ Suitable for materials with density of 1 600 kg/m<sup>3</sup> or less

□ Suitable for materials with density of 1 100 kg/m<sup>3</sup> or less

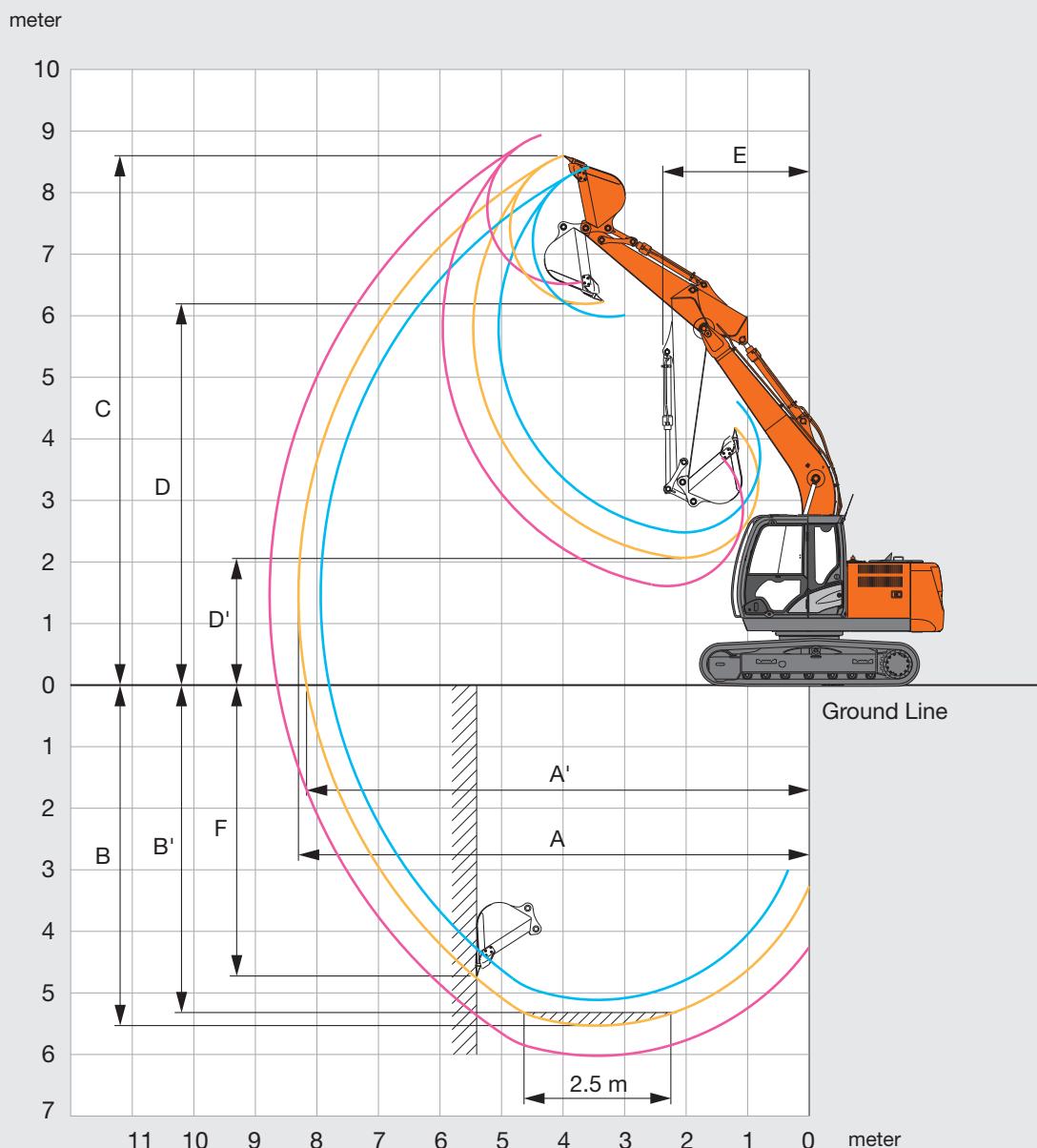
● Heavy-duty service

◇ Slope-finishing service

— Not applicable

# SPECIFICATIONS

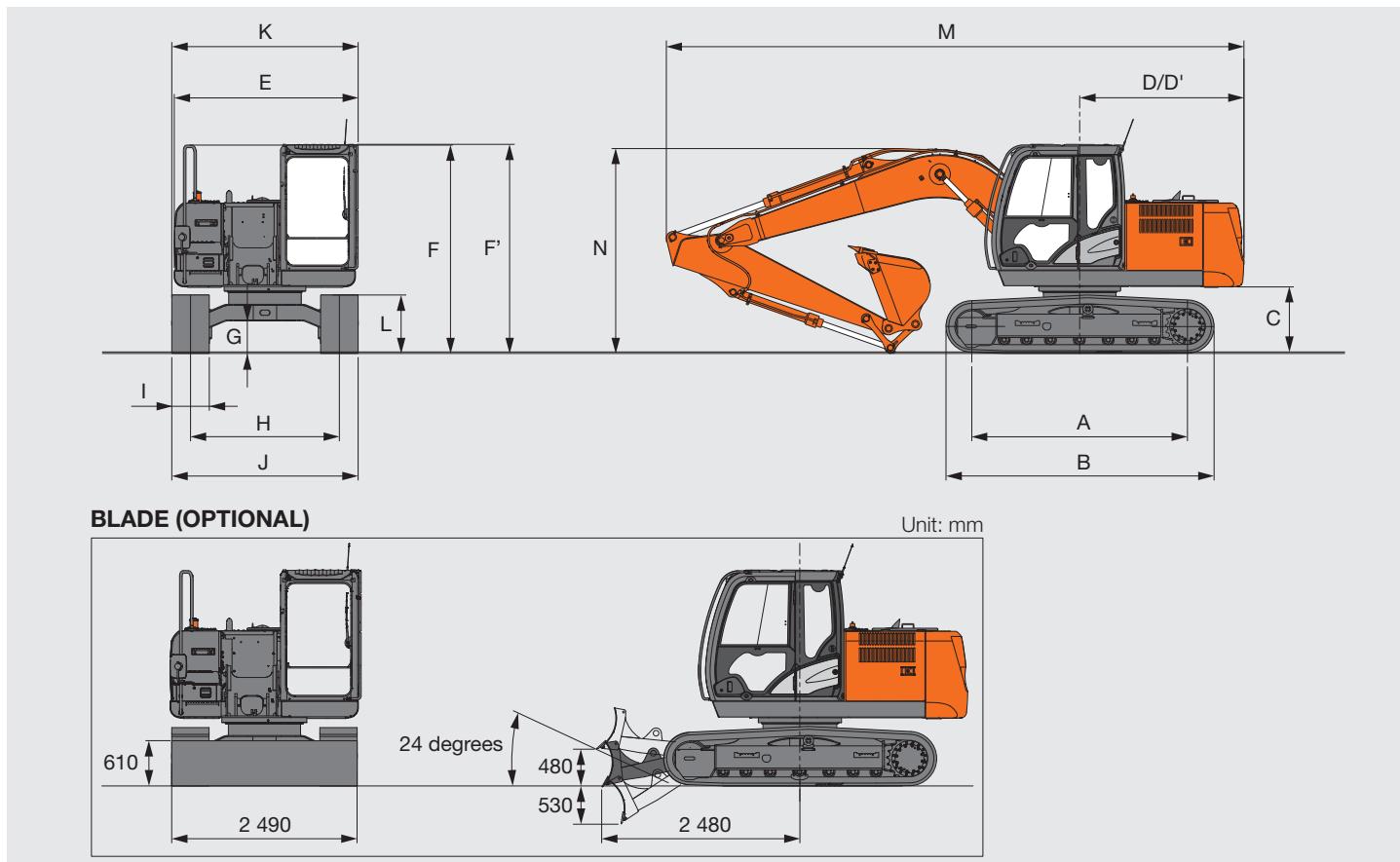
## WORKING RANGES



	ZX130-5G			Unit: mm
Arm length	2.10 m	2.52 m	3.01 m	2.52 m
A Max. digging reach	7 940	8 300	8 770	8 300
A' Max. digging reach (on ground)	7 800	8 170	8 650	8 170
B Max. digging depth	5 120	5 540	6 030	5 540
B' Max. digging depth for 2.5 m level	4 870	5 310	5 840	5 310
C Max. cutting height	8 400	8 600	8 930	8 600
D Max. dumping height	5 990	6 190	6 520	6 190
D' Min. dumping height	2 490	2 070	1 610	2 070
E Min. swing radius	2 350	2 400	2 620	2 400
F Max. vertical wall digging depth	4 450	4 750	5 220	4 750

Excluding track shoe lug

## DIMENSIONS



	ZX130-5G	ZX130K-5G
A Distance between tumblers	2 880	2 880
B Undercarriage length	3 580	3 580
* C Counterweight clearance	840	840
D Rear-end swing radius	2 190	2 190
D' Rear-end length	2 190	2 190
E Overall width of upperstructure	2 490	2 490
F Overall height of cab	2 790	2 920
F' Overall height of upperstructure	2 790	2 920
* G Min. ground clearance	410	410
H Track gauge	1 990	1 990
I Track shoe width	500	500
J Undercarriage width	2 490	2 490
K Overall width	2 490	2 490
* L Track height with triple grouser shoes	780	780
M Overall length		
With 2.10 m arm	7 700	7 700
With 2.52 m arm	7 700	7 700
With 3.01 m arm	7 710	7 710
N Overall height of boom		
With 2.10 m arm	2 630	2 630
With 2.52 m arm	2 750	2 750
With 3.01 m arm	2 740	2 740

\* Excluding track shoe lug      G: Triple grouser shoe

# LIFTING CAPACITIES (Without Bucket)

**ZX130-5G**

Conditions	Load point height m	Load radius										At max. reach			
		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m					
														meter	
Boom 4.60 m Arm 2.10 m counterweight 2 400 kg shoe 500 mm	4.5					*3 990	3 480						*2 790	2 210	5.96
	3.0			*6 780	6 140	*4 750	3 310	3 090	2 140				2 710	1 870	6.52
	1.5					4 630	3 100	3 010	2 060				2 550	1 750	6.71
	0 (Ground)			*5 620	5 340	4 480	2 960	2 940	2 000				2 610	1 780	6.54
	-1.5	*4 890	*4 890	*8 890	5 360	4 440	2 930	2 940	2 000				2 940	2 000	6.00
	-3.0			*7 280	5 490	4 520	3 000						3 940	2 650	4.95
	-4.5														
Boom 4.60 m Arm 2.52 m counterweight 2 400 kg shoe 500 mm	4.5					*3 590	3 530	3 170	2 210				*2 320	2 000	6.36
	3.0			*5 930	*5 930	*4 390	3 340	3 110	2 150				*2 310	1 720	6.90
	1.5			*8 090	5 610	4 650	3 110	3 010	2 060				2 350	1 610	7.07
	0 (Ground)			*6 520	5 320	4 470	2 950	2 920	1 980				2 390	1 630	6.92
	-1.5	*4 660	*4 660	8 820	5 280	4 400	2 880	2 890	1 950				2 650	1 800	6.40
	-3.0	*8 560	*8 560	*7 890	5 380	4 440	2 920						3 380	2 280	5.44
	-4.5														
Boom 4.60 m Arm 3.01 m counterweight 2 400 kg shoe 500 mm	6.0												*2 140	*2 140	5.97
	4.5					*3 110	*3 110	*3 160	2 240				*2 000	1 760	6.88
	3.0			*4 920	*4 920	*3 930	3 390	3 120	2 160				*1 990	1 530	7.38
	1.5			*7 740	5 750	4 690	3 140	3 010	2 060	2 130	1 450		*2 090	1 440	7.54
	0 (Ground)			*7 120	5 310	4 460	2 940	2 900	1 960				2 140	1 450	7.39
	-1.5	*4 120	*4 120	8 730	5 200	4 350	2 840	2 850	1 910				2 340	1 580	6.92
	-3.0	*7 180	*7 180	*8 440	5 250	4 360	2 840	2 880	1 940				2 860	1 920	6.04
	-4.5			*6 120	5 460	*3 780	2 990						*3 770	2 990	4.50

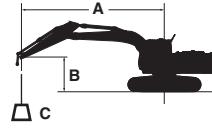
**ZX130-5G Blade (above ground)**

Conditions	Load point height m	Load radius										At max. reach			
		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m					
														meter	
Boom 4.60 m Arm 2.10 m counterweight 2 400 kg shoe 500 mm	4.5					*3 990	3 740						*2 790	2 390	5.96
	3.0			*6 780	6 600	*4 750	3 570	3 050	2 320				2 670	2 040	6.52
	1.5					4 560	3 360	2 960	2 240				2 510	1 910	6.71
	0 (Ground)			*5 620	*5 620	4 410	3 220	2 900	2 180				2 570	1 940	6.54
	-1.5	*4 890	*4 890	8 780	5 820	4 370	3 190	2 900	2 180				2 900	2 180	6.00
	-3.0			*7 280	5 950	4 450	3 260						3 880	2 880	4.95
	-4.5														
Boom 4.60 m Arm 2.52 m counterweight 2 400 kg shoe 500 mm	4.5					*3 590	*3 590	3 130	2 390				*2 320	2 160	6.36
	3.0			*5 930	*5 930	*4 390	3 600	3 060	2 330				*2 310	1 870	6.90
	1.5			*8 090	6 070	4 590	3 370	2 960	2 240				2 310	1 760	7.07
	0 (Ground)			*6 520	5 780	4 400	3 210	2 880	2 160				2 350	1 780	6.92
	-1.5	*4 660	*4 660	8 690	5 740	4 330	3 140	2 850	2 130				2 610	1 960	6.40
	-3.0	*8 560	*8 560	*7 890	5 840	4 370	3 180						3 330	2 480	5.44
	-4.5														
Boom 4.60 m Arm 3.01 m counterweight 2 400 kg shoe 500 mm	6.0												*2 140	*2 140	5.97
	4.5					*3 110	*3 110	*3 160	2 420				*2 000	1 910	6.88
	3.0			*4 920	*4 920	*3 930	3 650	3 080	2 340				*1 990	1 670	7.38
	1.5			*7 740	6 210	4 620	3 400	2 960	2 240	2 100	1 590		2 080	1 580	7.54
	0 (Ground)			*7 120	5 770	4 390	3 200	2 860	2 140				2 110	1 590	7.39
	-1.5	*4 120	*4 120	8 600	5 660	4 280	3 100	2 800	2 090				2 300	1 730	6.92
	-3.0	*7 180	*7 180	*8 440	5 710	4 290	3 100	2 830	2 120				2 810	2 100	6.04
	-4.5			*6 120	5 920	*3 780	3 250						*3 770	3 250	4.50

Notes: 1. Ratings are based on ISO 10567.

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

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



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

#### ZX130-5G Blade (on ground)

Conditions	Load point height m	Load radius										At max. reach			
		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m					
														meter	
Boom 4.60 m Arm 2.10 m counterweight 2 400 kg shoe 500 mm	4.5					*3 990	3 740						*2 790	2 390	5.96
	3.0			*6 780	6 600	*4 750	3 570	*4 030	2 320				*2 760	2 040	6.52
	1.5					*5 660	3 360	*4 370	2 240				*2 900	1 910	6.71
	0 (Ground)			*5 620	*5 620	*6 170	3 220	*4 560	2 180				*3 260	1 940	6.54
	-1.5	*4 890	*4 890	*8 890	5 820	*6 040	3 190	*4 030	2 180				*4 020	2 180	6.00
	-3.0			*7 280	5 950	*4 940	3 260						*4 220	2 880	4.95
	-4.5														
Boom 4.60 m Arm 2.52 m counterweight 2 400 kg shoe 500 mm	4.5					*3 590	*3 590	*3 360	2 390				*2 320	2 160	6.36
	3.0			*5 930	*5 930	*4 390	3 600	*3 790	2 330				*2 310	1 870	6.90
	1.5			*8 090	6 070	*5 380	3 370	*4 190	2 240				*2 440	1 760	7.07
	0 (Ground)			*6 520	5 780	*6 040	3 210	*4 490	2 160				*2 730	1 780	6.92
	-1.5	*4 660	*4 660	*9 190	5 740	*6 110	3 140	*4 420	2 130				*3 320	1 960	6.40
	-3.0	*8 560	*8 560	*7 890	5 840	*5 360	3 180						*4 100	2 480	5.44
	-4.5														
Boom 4.60 m Arm 3.01 m counterweight 2 400 kg shoe 500 mm	6.0												*2 140	*2 140	5.97
	4.5					*3 110	*3 110	*3 160	2 420				*2 000	1 910	6.88
	3.0			*4 920	*4 920	*3 930	3 650	*3 480	2 340				*1 990	1 670	7.38
	1.5			*7 740	6 210	*4 990	3 400	*3 950	2 240	*2 260	1 590		*2 090	1 580	7.54
	0 (Ground)			*7 120	5 770	*5 820	3 200	*4 350	2 140				*2 300	1 590	7.39
	-1.5	*4 120	*4 120	*8 910	5 660	*6 100	3 100	*4 450	2 090				*2 730	1 730	6.92
	-3.0	*7 180	*7 180	*8 440	5 710	*5 660	3 100	*3 870	2 120				*3 650	2 100	6.04
	-4.5			*6 120	5 920	*3 780	3 250						*3 770	3 250	4.50

#### ZX130K-5G

Conditions	Load point height m	Load radius										At max. reach			
		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m					
														meter	
K-Boom 4.60 m K-Arm 2.52 m counterweight 3 000 kg shoe 500 mm	4.5					*3 550	*3 550	*3 330	2 450				*2 280	2 220	6.36
	3.0			*5 890	*5 890	*4 350	3 700	3 410	2 390				*2 280	1 910	6.90
	1.5			*8 060	6 270	5 110	3 470	3 300	2 300				*2 400	1 800	7.07
	0 (Ground)			*6 480	5 970	4 930	3 300	3 220	2 220				2 630	1 820	6.92
	-1.5	*4 630	*4 630	*9 150	5 930	4 850	3 240	3 190	2 190				2 920	2 010	6.40
	-3.0	*8 520	*8 520	*7 840	6 030	4 900	3 280						3 730	2 550	5.44
	-4.5														

# EQUIPMENT

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

	ZX130-5G	ZX130K-5G
ENGINE		
Air cleaner double filters	●	●
Auto idle system	●	●
Cartridge-type engine oil filter	●	●
Cartridge-type fuel pre-filter	●	●
Cartridge-type fuel main filter	●	●
Dry-type air filter with evacuator valve (with air filter restriction indicator)	●	●
ECO/PWR mode control	●	●
Engine warm-up device	●	●
Fan guard	●	●
Water separator	●	●
Pre-cleaner	○	○
Dust-Proof net	●	●
Radiator reserve tank	●	●
50 A alternator	●	●
HYDRAULIC SYSTEM		
Auto power lift	●	●
Control valve with main relief valve	●	●
Full-flow filter	●	●
High mesh full flow filter with restriction indicator	○	●
Pilot filter	●	●
Power boost	●	●
Suction filter	●	●
One extra port for control valve	●	●
Work mode selector	●	●

	ZX130-5G	ZX130K-5G
CAB		
All-weather sound suppressed steel cab	●	●
AM-FM radio with 2 speakers	●	●
Ashtray	●	●
Auto control air conditioner	●	●
AUX. terminal and storage	○	○
Cab (Center pillar reinforced structure)	●	●
Drink holder	●	●
Drink holder with hot & cool	●	●
Electric double horn	●	●
Engine shut-off lever	●	●
Evacuation hammer	●	●
Fire extinguisher bracket	○	○
Floor mat	●	●
Footrest	●	●
Front window washer	●	●
Front windows on upper, lower and left side can be opened	●	●
Lower cab front guard	○	●
Upper cab front guard	○	○
Glove compartment	●	●
Hot & cool box	●	●
Intermittent windshield wipers	●	●
Key cylinder light	●	●
K-cab. (Cab with overhead window & guard)	—	●
LED room light with door courtesy	●	●
OPG top guard Level I (ISO10262) compliant cab	●	●
Pilot control shut-off lever	●	●
Rear tray	●	●
Retractable seat belt	●	●
ROPS (ISO12117-2 : 2008) compliant cab	○	○
Rubber radio antenna	●	●
Seat : Fabric seat	●	—
Seat : mechanical suspension seat	○	●
Seat : air suspension seat with heater	○	○
Seat adjustment part : backrest, armrest, height and angle, slide forward / back	●	●
Short wrist control levers	●	●
Twin wiper	—	●
4 fluid-filled elastic mounts	●	●
24V cigarette lighter	●	●

	ZX130-5G	ZX130K-5G
<b>MONITOR SYSTEM</b>		
Alarm buzzers: overheat, engine oil pressure	●	●
Alarms: overheat, engine warning, engine oil pressure, alternator, minimum fuel level, hydraulic filter restriction, air filter restriction, etc	●	●
Display of meters: coolant temperature, hour, clock	●	●
Other displays: work mode, auto-idle, glow, rearview monitor, operating conditions, etc	●	●
32 languages selection	●	●

<b>LIGHTS</b>		
Additional cab roof front lights	○	○
Additional boom light	○	○
2 working lights	●	●

<b>UPPER STRUCTURE</b>		
Electric fuel refilling pump	○	○
Fuel level float	●	●
Hydraulic oil level gauge	●	●
Rear view camera	○	○
Rear view mirror (right & left side)	●	●
Swing parking brake	●	●
Tool box	●	●
Undercover	●	—
6.0 mm reinforced undercover	○	●
Utility space	●	●
2 400 kg counterweight	●	—
3 000 kg counterweight	○	●
2 x 55 Ah batteries	●	●

	ZX130-5G	ZX130K-5G
<b>UNDERCARRIAGE</b>		
Bolt-on sprocket	●	●
Reinforced track links with pin seals	●	●
Travel motor covers	●	●
Travel parking brake	●	●
6.0 mm reinforced track undercover	○	●
Track guard (each side) and hydraulic track adjuster	●	●
Upper and lower rollers	●	●
1 track guard	○	○
2 track guards	○	○
4 tie down hooks	●	●
500 mm triple grouser shoes	●	●
Reinforced side step	—	●

<b>FRONT ATTACHMENTS</b>		
Centralized lubrication system	●	●
Dirt seal on all bucket pins	●	●
Flanged pin	●	●
HN bushing	●	●
Reinforced resin thrust plate	●	●
Reinfoced link B	—	● for demolition
WC (tungsten-carbide) thermal spraying	●	●
0.50 m <sup>3</sup> bucket (ISO heaped)	●	● Reinforced bucket
2.52 m arm	●	● K-arm
4.60 m boom	●	●

<b>ATTACHMENTS</b>		
Attachment basic piping	○	●
Breaker and crusher piping	○	●
High mesh full flow filter with restriction indicator	○	●
Parts for breaker and crusher	○	○
2 pump combined flow for attachment basic piping	○	○

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

# MEMO





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

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

#### Reducing Environmental Impact by New ZAXIS

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

\*Life Cycle Assessment – ISO 14040

Before using a machine with a satellite communication system, please make sure that the satellite communication system complies with local regulations, safety standards and legal requirements. If not so, please make modifications accordingly.

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.