HITACHI

Reliable solutions

ZAXIS470



WALK AROUND

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.

CONTENTS

Page 4 Performance Large production with less fuel

Page 5 Productivity Improved controllability

Page 6-7 Durability

Reliability in the toughest conditions

Page 8 Comfort

No compromise on operator comfort

Page 9 Maintenance

Easily accessible features keep your machine working longer

Page 10 ConSite

A remote fleet monitoring system to improve overall performance

Page 11 Support Chain

A full customer service offered after buying a Hitachi machine

Page 12-16 Specifications

Reduction in Fuel Consumption

The HIOS IIIB hydraulic system end engine control system achieves reduction in fuel consumption compared to conventional model.

Improved Arm Controllability

Newly adopted variable orifice of the swing circuit help ensure hydraulic oil can be effectively allocated and pressure loss can be

Added Durability

With a strengthened boom and arm, the new ZAXIS 470 can work for lengthly periods in rugged environments.

Smooth Operation

The power boosting pressure function was enhanced to increase basic performance.



Performance

Large production with less fuel

Enhanced basic performance

The new ZAXIS offers enhanced basic performance, in addition to a sophisticated hydraulic control system like HIOS IIIB.

The boom circuit of the control valve was changed to an external flow combining circuit from the internal one to reduce energy loss when raising or lowering the boom. In addition, the power boosting pressure function was enhanced to increase basic performance.

Lower fuel with higher productivity

New ZAXIS is a fuel-thrifty excavator that can reduce fuel consumption by 8%*, compared to the conventional ZX450-3/ZX450-3F family, thanks to the HIOS IIIB hydraulic system and engine control system, thereby reducing CO2 emissions.

The ECO mode, a new economical mode, can further cut fuel consumption by 9% compared to the PWR mode, without sacrificing digging force by optimal matching of operations.



Productivity

Improved controllability

Swift front movements with HIOS*III Hydraulics

Operating speed increases with less fuel consumption thanks to the HIOS IIIB hydraulic system, developed by industry-leading hydraulic technologies and a wealth of experience.

Improved arm controllability

Improved arm controllability for level luffing and level crowding for front movements, including swing operations. The boom regenerative circuit using the boom weight and the newly adopted variable orifice of the swing circuit help ensure hydraulic oil can be effectively allocated and pressure loss can be reduced.

Easy-to-use attachments

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



Key features

- 8%* reduction in fuel consumption
- 9% less fuel consumption in ECO mode (vs PWR mode)
- 3% increased in bucket digging force**

■ 3% increased in arm digging force**

■ 3% increased in boom lifting capacities

■ 3% increased in traction force

8% increased in swing torque

* Human & Intelligent Operation System

Key features

- Operating speed increases with less fuel consumption
- Improved arm controllability

(compared to the conventional ZX450-3 / ZX450-3F family) **At power boost

^{*} PWR mode vs. conventional mode's P mode

Durability

Reliability in the toughest conditions

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.

Rock-solid, durable front attachment

H-Boom

Internal welding and complete welding are performed to enhance the strength and durability of the boom. In addition, the single-plate structure of the boom end side plate, increased thickness of the boom end bushing, and other improvements enhance durability.

The thickness of the side frame of the arm is increased to enhance durability. The arm bump prevention plate prevents the arm from deforming when digging and loading limestone and crushed rock.

Improved cooling efficiency

A simple cooling system, consisting of a radiator and oil cooler, facilitates smooth cooling air flow for improved cooling efficiency.

The combination of a 235 kW (315 HP) engine and the new HIOS IIIB hydraulic system meets requirements, in terms of both output and fuel consumption.

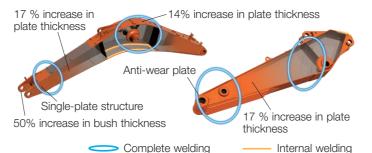
Tougher undercarriage for rocky ground Condition (ZX470LCR-5G)

The reinforced travel motor cover with square bars and reinforced travel guard protect travel motor from damage by stone projectiles. Rigid structure of side frame withstands frequent shock caused by rock hitting. Track under cover (Optional) protects travel pipings and hoses. Full track guards protect track links and lower rollers from damage and deformation. Moreover, they also keep out stones, preventing overload to the undercarriage to reduce wear and damage

Conventional ZX470H-5G / ZX470LCH-5G



ZX470H-5G / ZX470LCH-5G







Reinforced travel motor cover and Reinforced idler part of side frame



guard provided standard

Key features

- 235 kW (315 HP) engine
- Damage prevention plate and 5 square bars
- Boom hose protector

- Reinforced upperstructure frame with proven D-section skirt
- More complete welding parts on front attachment



Comfort

No compromise 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. An air suspension with a heat pad is optional.

Robust cab

The robust cab, meeting the OPG (Top Guard Level \parallel^*), protects the operator from falling objects.

Pilot control shut-off lever

The pilot control shut-off lever is provided with the neutral engine start system that permits engine starting only when the pilot control shut-off lever is in Lock position.

Easy-to-use multifunction monitor

The 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: hydraulic oil 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.

Enjoy your work

FM/AM radio and AUX port (optional) for a mobile music player are available for a long work day with less fatigue.

Maintenance

Easily accessible features keep your machine working longer

Easy access to inspection points

Inspection 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 filters

Fast lubrication

The arm and boom have their own centralized greasing points for fast lubrication. An optional electric grease gun with hose-reel or an auto-grease lubricator is also available for faster greasing / lubrication.

Easy access to upperstructure

A large sidewalk is provided on the left side of the cab, making it easy to access the engine from the ladder while handrails are provided and sufficient slip-resistant plates for safety.



Key features

- 7-inch high-resolution color monitor and a multifunction
- Engine is lockable by entering a password through the 10-key panel
- Openable overhead window for ventilation
- Larger leg Space

- New LED room light
- Low vibration with fluid-filled elastic mounts
- Large utility space
- Drink holder and hot & cool box

Key features

- Easy replacement of the air conditioner filters
- Easy replacement of water separator
- Easy to drain from fuel tank

- Convenient with large side walk
- 3-Steps Ladder
- Plenty handrails

 $oldsymbol{8}$



A remote fleet monitoring system to improve overall performance



Flexible aftersales programme to protect your investment

ConSite

Our ConSite Data Report Service sends you a monthly email to summarise the information available on Global e-Service for each of your Hitachi machines. It includes a detailed analysis of operational data, ratios and hours, so you can see how productive and efficient your machines have been in the past month. All the information from the report is stored in the Owner's Site as well, for easy reference.

Further into the ConSite Report, you'll see non-operation and swing efficiency ratings and ratios. These compare the machine's performance against the same model class from all Hitachi owners in your region.

The monthly and total number of hours are divided for front, swing, travel and attachment operations. This will help you to determine the actual usage of your machine and maintenance planning.

The monthly analysis of these variables is compared to the total lifetime of the machine in a user-friendly chart. A line graph shows the actual and projected number of hours, which helps you to manage maintenance requirements.

ConSite can also help you in the unlikely event of a fault. It will send you and your authorised Hitachi dealer an Emergency Alarm Report, so you can both respond quickly in order to minimise unscheduled downtime.

We created ConSite to improve your business operations, and enable you to analyze the productivity and efficiency of your equipment. The information it provides on machine usage is intended to help you with maintenance planning and also promotes proactive support from your dealer. Ultimately, it provides you with confidence in your Hitachi construction equipment and peace of mind to focus on other areas of your husiness

Owner's Site

You can find out most of what you need to know about your fleet of Hitachi construction machinery in the field from the comfort of your home or office, thanks to Owner's Site. This online management tool, available at www.globaleservice.com, is user-friendly and offers extensive and detailed information on your Hitachi Zaxis Excavators and ZW Wheel Loaders.

The data is displayed in a flexible layout, so you can create machine groups per job site or select relevant information, depending on your requirements. As every project is different, you can customize the Owner's Site Dashboard to view data quickly and easily.



Scan this code for our ConSite function explanation & case study video

Kev features

- Check each of your machines from your office 24/7
- Have a remote insight into fuel consumption
- Check the current and previous locations and movements of your machine(s)

- See maintenance status and items due for renewal on each of your machines
- Receive e-mail notifications for any machine alerts, unexpected movements and so on

Global e-Service

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

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

Technical support

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

Extended warranty and service contracts

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

Parts and remanufactured components

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

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

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

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

Please contact your Hitachi dealer for more information or to apply for a Global e-Service account.

^{*} The GPRS communication system is standard equipment for new ZAXIS excavators, however, the availability of the communication system depends on licensing regulations in your country.

SPECIFICATIONS

 ENGINE

 Model
 Isuzu AA-6WG1TQA

 Type
 4-cycle water-cooled, direct injection

 Aspiration
 Turbocharged

 No. of cylinders
 6

 Rated power
 ISO 14396

 ISO 14396
 H/P mode:

 235 kW (315 HP) at 1 800 min⁻¹ (rpm)

 Maximum torque
 1 275 Nm (130 kgf m) at 1 500 min⁻¹ (rpm)

 Piston displacement
 15.681 L

 Bore and stroke
 147 mm x 154 mm

 Batteries
 2 x 12 V / 170 Ah

HYDRAULIC SYSTEM

Hydraulic Pumps	
Main pumps	2 variable displacement axial piston pumps
Maximum oil flow	2 x 360 L/min
Pilot pump	1 gear pump
Maximum oil flow	30 L/min

Hydraulic Motors

Travel	2 axial piston motors with parking brake
Swina	2 axial piston motors

Relief Valve Settings

Implement circuit	31.9 MPa (325 kgf/cm²)
Swing circuit	28.4 MPa (290 kgf/cm²)
Travel circuit	35.3 MPa (360 kgf/cm ²)
Pilot circuit	3.9 MPa (40 kgf/cm ²)
Power boost	35.3 MPa (360 kgf/cm ²)

Hydraulic Cylinders

,			
	Quantity	Bore	Rod diameter
Boom	2	170 mm	115 mm
Arm	1	190 mm	130 mm
Bucket	1	170 mm	120 mm

UPPERSTRUCTURE

Revolving Frame

D-section frame for resistance to deformation.

Swing Device

Operator's Cab

Independent spacious cab, 1 025 mm wide by 1 817 mm high, The OPG top guard fitted Level II conforms to the related requirements of the International Organization for Standardization (ISO) 10262.

UNDERCARRIAGE

Tracks

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	8: ZX470-5G / ZX470H-5G
	9: ZX470LC-5G / ZX470LCH-5G /ZX470LCR-5G
Track shoes	49: ZX470-5G / ZX470H-5G
	53: ZX470LC-5g / ZX470LCH-5g / ZX470LCR-5g
Idler track guard	1: ZX470-5G / ZX470LC-5G
Track guard	1: ZX470-5G
	2: ZX470LC-5G

Travel Device

Each track driven by axial piston motor through reduction gear for counterrotation of the tracks. Parking brake is spring-set/hydraulic-released disc type.

Full track guard : ZX470H-5G / ZX470LCH-5G : ZX470LCR-5G

Automatic tran	smission s	system: High-Low.
Travel speeds		High: 0 to 5.1 km/h
		Low: 0 to 3.8 km/h

Maximum traction force .. $\,$ 329 kN (33 600 kgf)

Gradeability 70% (35 degree) continuous

SERVICE REFILL CAPACITIES	
Fuel tank	705.0 L
Engine coolant	61.0 L
Engine oil	55.0 L
Swing device (each side)	6.5 L
Travel device (each side)	11.0 L
Hydraulic system	510.0 L
Hydraulic oil tank	310.0 L

WEIGHTS AND GROUND PRESSURE

Operating Weight and Ground Pressure

				ZX4	70-5G	ZX47	0LC-5G	ZX47	70H-5G	ZX470	LCH-5G
Shoe type	Shoe width	Boom type	Arm type	kg	kPa (kgf/cm²)	kg	kPa (kgf/cm²)	kg	kPa (kgf/cm²)	kg	kPa (kgf/cm²)
		7.0 m H	3.4 m H	45 800	85 (0.87)	47 000	80 (0.81)	46 800	87(0.89)	47 900	81 (0.83)
600 m	600 mm	Bucket of	capacity	1.9 m ³		2.1 m ³		1.9 m³ R	ock bucket	1.9 m³ R	ock bucket
	000 11111	6.3 m BE	2.5 m BE	46 300	86 (0.88)	47 500	80 (0.82)		-	48 300	82 (0.84)
Triple		Bucket capacity		2.5 m ³		2.65 m ³			-	2.5 m ³ R	ock bucket
grouser		7.0 m H	3.4 m H	46 600	69 (0.71)	47 800	65 (0.66)		-		_
	750 mm	Bucket capacity		1.9 m ³		2.1 m ³			-		_
	730 111111	6.3 m BE	2.5 m BE	47 000	70 (0.71)	48 200	65 (0.67)		-		_
		Bucket of	capacity	2.5	5 m ³	2.65 m ³			-		_

		ZX470	LCR-5G		
Shoe type	Shoe width	Boom type	Arm type	kg	kPa (kgf/cm²)
Triple	600 mm	6.3 m BER	2.5 m BER	48 500	82 (0.84)
grouser	000 11111	Bucket capacity		2.5 m³ Rock bucket	

BUCKET LIST

ZX470-5G

Capacity	Wi	dth	No. of Waisht			Recomm	endation	
ISO heaped	Without	With	teeth	Weight 6.3 m E		E-boom	7.0 m H-boom	
150 neaped	side cutters	side cutters	tootii		2.5 m BE-arm	2.9 m BE-arm	2.9 m BE-arm	3.4 m H-arm
1.15 m ³	1 100 mm	1 210 mm	5	1 070 kg	×	×	×	×
1.40 m ³	1 280 mm	1 410 mm	5	1 170 kg	×	×	×	X
1.60 m ³	1 220 mm	1 360 mm	5	1 480 kg	_	_	0	©
1.90 m ³	1 400 mm	1 540 mm	5	1 590 kg	-	-	0	0
2.10 m ³	1 490 mm	1 630 mm	5	1 650 kg	_	_	0	0
2.30 m ³	1 520 mm	1 660 mm	5	1 800 kg	0	0	0	_
2.50 m ³	1 630 mm	1 770 mm	5	1 870 kg	0	0	-	-
2.65 m ³	1 720 mm	1 860 mm	5	1 930 kg	0	-	-	_
Applicable sho	Applicable shoe type			600 mm Triple grouser				
Applicable SI IO	e type					750 mm Tri	ple grouser	

ZX470LC-5G

Capacity	Wi	dth	No of			endation		
iso neaped side cutters side of	With	No. of teeth	Weight	6.3 m Bl	E-boom	7.0 m H	-boom	
	side cutters	leelii		2.5 m BE-arm	2.9 m BE-arm	2.9 m BE-arm	3.4 m H-arm	
1.15 m ³	1 100 mm	1 210 mm	5	1 070 kg	×	×	×	×
1.40 m ³	1 280 mm	1 410 mm	5	1 170 kg	×	×	×	×
1.60 m ³	1 220 mm	1 360 mm	5	1 480 kg	_	_	0	0
1.90 m ³	1 400 mm	1 540 mm	5	1 590 kg	-	-	0	0
2.10 m ³	1 490 mm	1 630 mm	5	1 650 kg	-	-	0	0
2.30 m ³	1 520 mm	1 660 mm	5	1 800 kg	0	0	0	0
2.50 m ³	1 630 mm	1 770 mm	5	1 870 kg	0	0	-	_
2.65 m ³	1 720 mm	1 860 mm	5	1 930 kg	0	0	-	-
Applicable sho	o typo					600 mm Tri		
upplicable \$110	е туре					750 mm Tri	ple grouser	

ZX470H-5G / ZX470LCH-5G

Capacity	Wi	dth	NIf			Recomm	endation	
ISO heaped	Without	With	No. of teeth	Weight	6.3 m B	E-boom	7.0 m H-boom	
150 Heapeu	side cutters	side cutters	teetii		2.5 m BE-arm	2.9 m BE-arm	2.9 m BE-arm	3.4 m H-arm
*1 1.90 m ³	1 480 mm	1 500 mm	5	2 070 kg	•	•	•	
*1 2.10 m ³	1 560 mm	1 580 mm	5	2 170 kg	•	•	•	
*1 2.30 m ³	1 680 mm	1 700 mm	5	2 260 kg	•	•	-	-
*1 2.50 m ³	1 800 mm	1 820 mm	5	2 360 kg	•	•	_	-
*2 1.30 m ³	1 170 mm	-	3	2 330 kg	•	•	•	•
One-point rippe	er		1	1 260 kg	•	•	•	•
Applicable shoe type					600 mm Triple grouser			

ZX470LCR-5G

Ca	apacity	Wi	dth	No. of		Recommendation
180	ISO heaped	Without	With	teeth	Weight	6.3 m BE-boom
130	Heapeu	side cutters	side cutters	tootii		2.5 m BE-arm
*1	2.50 m ³	1 800 mm	1.820 mm	5	2.360 kg	

^{*1} Rock bucket

Heavy-duty service

○ Suitable for material with density of 1 600 kg / m³ or less ○ Suitable for material with density of 1 800 kg / m³ or less

Not applicable

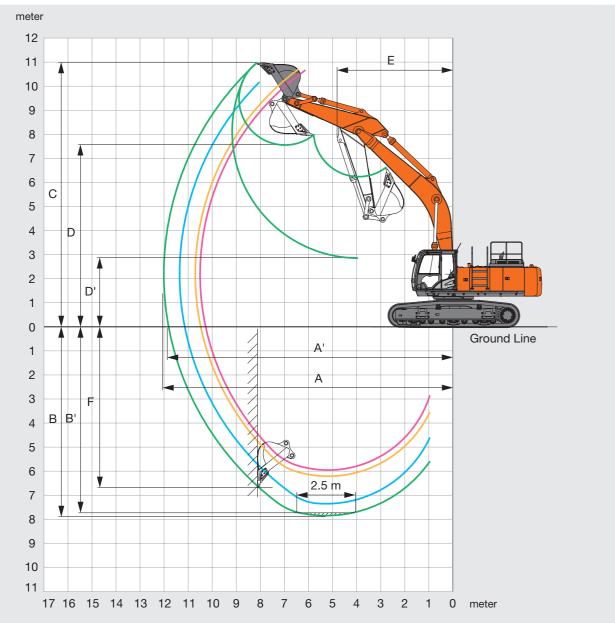
× Can't be installed

^{*2} Ripper bucket

SPECIFICATIONS

WORKING RANGES

ZX470-5G / ZX470LC-5G

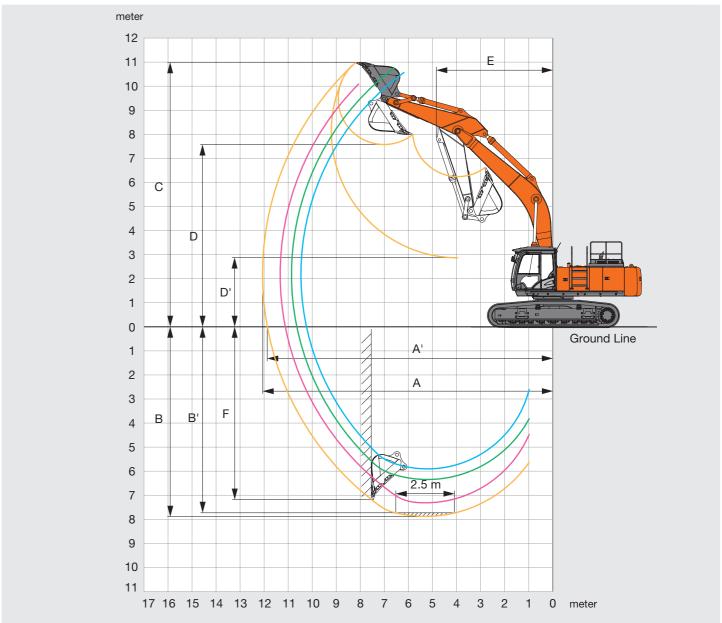


				Unit: mm
		ZX470-5G /	ZX470LC-5G	
	6.3 m B	E-boom	7.0 m l	H-boom
Arm length	2.5 m BE-arm	2.9 m BE-arm	2.9 m H-arm	3.4 m H-arm
A Max. digging reach	10 460 / 10 550	10 850 / 10 750	11 400 / 11 400	12 060 / 12 060
A' Max. digging reach (on ground)	10 240 / 10 320	10 640 / 10 520	11 200 / 11 220	11 860 / 11 860
B Max. digging depth	5 920 / 5 960	6 360 / 6 210	7 400 / 7 360	7 890 / 7 850
B' Max. digging depth (8' level)	5 740 / 5 780	6 200 / 6 050	7 200 / 7 160	7 750 / 7 710
C Max. cutting height	10 530 / 10 660	10 760 / 10 710	10 130 / 10 170	10 920 / 10 960
D Max. dumping height	7 190 / 7 160	7 210 / 7 360	6 900 / 6 910	7 530 / 7 570
D' Min. dumping height	3 550 / 3 510	3 030 / 3 170	3 320 / 3 330	2 820 / 2 860
E Min. swing radius	3 930 / 3 930	3 920 / 3 920	5 020 / 5 020	4 840 / 4 840
F Max. vertical wall	4 380 / 4 230	5 150 / 4 740	5 390 / 4 780	6 710 / 6 670

Excluding track shoe lug

WORKING RANGES

ZX470H-5G / ZX470LCH-5G / ZX470LCR-5G



Unit: mm

	ZX47	0H-5G		ZX470LCH-5G							
	7.0 m F	H-boom	6.3 m B	E-boom	7.0 m F	6.3 m BER-boom					
Arm length	2.9 m BE-arm	3.4 m H-arm	2.5 m BE-arm	2.5 m BE-arm 2.9 m BE-arm		3.4 m H-arm	2.5 m BER-arm				
A Max. digging reach	11 330	12 060	10 460	10 750	11 330	12 060	10 460				
A' Max. digging reach (on ground)	11 120	11 860	10 230	10 630	11 110	11 860	10 230				
B Max. digging depth	7 330	7 900	5 880	6 220	7 290	7 860	5 880				
B' Max. digging depth (8' level)	7 130	7 760	5 710	6 060	7 090	7 720	5 710				
C Max. cutting height	10 040	10 920	10 570	10 700	10 080	10 980	10 570				
D Max. dumping height	6 970	7 520	7 230	7 350	7 010	7 560	7 230				
D' Min. dumping height	3 390	2 810	3 580	3 160	3 430	2 850	3 580				
E Min. swing radius	5 020	4 840	4 090	3 930	5 020	4 840	4 090				
F Max. vertical wall	4 400	7 230	4 350	4 740	4 360	7 190	4 350				

Excluding track shoe lug

SPECIFICATIONS

DIMENSIONS D/D' В

Unit: mm

Fixed gauge	ZX470-5G	ZX470LC-5G	ZX470H-5G	ZX470LCH-5G	ZX470LCR-5G
A Distance between tumblers	4 040	4 470	4 040	4 470	4 470
B Undercarriage length	5 040	5 470	5 040	5 470	5 470
*1 C Counterweight clearance	1 230	1 270	1 230	1 270	1 270
D Rear-end swing radius	3 670	3 670	3 670	3 670	3 670
D' Rear-end length	3 660	3 660	3 660	3 660	3 660
E Overall width upperstructure	3 480	3 480	3 480	3 480	3 480
F Overall height of cab	3 280	3 320	3 280	3 320	3 320
*1 G Min. ground clearance	495	535	495	535	535
H Track gauge	2 740	2 740	2 740	2 740	2 740
I Track shoe width	600 / 750	600 / 750	600	600	600
J Undercarriage width with 600 mm shoe	3 340	3 340	3 340	3 340	3 340
with 750 mm shoe	3 490	3 490	-	-	-
K Overall width	3 820	3 820	3 820	3 820	3 820
L Overall length	12 050	12 050	12 040	12 040	12 040
M Overall height of boom	4 660	4 660	3 740	4 120	4 120
N Track height	1 150	1 150	1 150	1 150	1 150

^{*1} Excluding track shoe lug

BUCKET AND ARM DIGGING FORCES

ZX470-5G / ZX470LC-5G

		ZX470-5G / 2	ZX470LC-5G	
	6.3 m B	E-boom	7.0 m F	H-boom
	2.5 m BE-arm	2.9 m BE-arm	2.9 m BE-arm	3.4 m H-arm
Bucket digging force* ISO	285 kN (29 130 kgf)	285 kN (29 130 kgf)	285 kN (29 130 kgf)	286 kN (29 230 kgf)
Bucket digging force* SAE : PCSA	257 kN (26 240 kgf)	257 kN (26 240 kgf)	254 kN (25 940 kgf)	256 kN (26 140 kgf)
Arm crowd force* ISO	294 kN (30 050 kgf)	256 kN (26 140 kgf)	259 kN (26 450 kgf)	222 kN (22 640 kgf)
Arm crowd force* SAE : PCSA	285 kN (29 130 kgf)	249 kN (25 420 kgf)	252 kN (25 730 kgf)	215 kN (21 920 kgf)

ZX470H-5G / ZX470LCH-5G

	ZX47	0H-5G	ZX470LCH-5G							
	6.3 m B	E-boom	6.3 m B	E-boom	7.0 m H-boom					
	2.9 m BE-arm	3.4 m H-arm	2.5 m BE-arm	2.9 m BE-arm	2.9 m BE-arm	3.4 m H-arm				
Bucket digging force* ISO	295 kN (30 150 kgf)	296 kN (30 260 kgf)	295 kN (30 150 kgf)	295 kN (30 150 kgf)	295 kN (30 150 kgf)	296 kN (30 260 kgf)				
Bucket digging force* SAE : PCSA	266 kN (27 070 kgf)	257 kN (26 240 kgf)	266 kN (27 070 kgf)	266 kN (27 070 kgf)	266 kN (27 070 kgf)	257 kN (26 240 kgf)				
Arm crowd force* ISO	263 kN (26 860 kgf)	224 kN (22 850 kgf)	302 kN (30 770 kgf)	263 kN (26 860 kgf)	263 kN (26 860 kgf)	224 kN (22 850 kgf)				
Arm crowd force* SAE : PCSA	256 kN (26 140 kgf)	215 kN (21 920 kgf)	294 kN (30 050 kgf)	256 kN (26 140 kgf)	256 kN (26 140 kgf)	215 kN (21 920 kgf)				

ZX470LCR-5G

	ZX470LCR-5G
	6.3 m BER-boom
	2.5 m BER-arm
Bucket digging force* ISO	295 kN (30 150 kgf)
Bucket digging force* SAE : PCSA	266 kN (27 070 kgf)
Arm crowd force* ISO	302 kN (30 770 kgf)
Arm crowd force* SAF : PCSA	294 kN (30 050af)

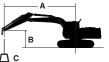
^{*}At power boost

LIFTING CAPACITIES (Without bucket)

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.
- *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

point height g capacity

	4		
	T		B: Load p
į.	В	45	C: Lifting
Δc		'	_

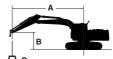
ZX470LC-5G									Rating or	ver-front (Rating o	over-side or 3	60 degrees	Unit : kg
	Load					Load ra	adius m							
Conditions	point	3	.0	4	.5	6	.0	7.	.5	9.	.0	At	max. reach	1
Containent	height m	ů	@	ů		ů	@	ů	@	ů	-	ů	@	meter
H-Boom 7.0 m	7.5							*11 560	10 300			*7 710	*7 710	8.64
H-Arm 3.4 m	6.0							*12 150	10 050	*10 680	7 420	*7 570	6 850	9.41
Counterweight	4.5			*20 430	*20 430	*15 620	13 510	*13 180	9 640	*11 770	7 240	*7 660	6 170	9.89
9 080 kg	3.0			*24 960	18 930	*17 810	12 630	*14 350	9 180	11 840	7 000	*7 970	5 800	10.1
Shoe 600 mm	1.5			*15 420	*15 420	*19 460	11 920	15 250	8 770	11 580	6 770	*8 520	5 670	10.1
	0 (Ground)			*18 160	17 400	*20 170	11 500	14 910	8 480	11 390	6 600	*9 410	5 770	9.91
	-1.5	*13 070	*13 070	*25 000	17 380	*19 860	11 340	14 760	8 340	11 320	6 530	10 580	6 140	9.45
	-3.0	*21 470	*21 470	*23 670	17 570	*18 500	11 390	*14 640	8 370			*11 830	6 910	8.70
	-4.5	*24 850	24 850	*19 860	17 980	*15 700	11 660	*11 760	8 630			*11 480	8 510	7.59
H-Boom 7.0 m	6.0					*14 460	14 060	*12 780	9 890			*11 030	7 750	8.68
BE-Arm 2.9 m	4.5			*22 080	20 230	*16 440	13 240	*13 720	9 490	11 990	7 140	*11 410	6 880	9.20
Counterweight 9 080 kg	3.0					*18 470	12 380	*14 780	9 050	11 750	6 920	10 880	6 410	9.49
	1.5					*19 840	11 750	15 140	8 680	11 530	6 720	10 690	6 250	9.47
Shoe 600 mm	0 (Ground)			*19 290	17 370	*20 180	11 420	14 870	8 430	11 380	6 590	10 980	6 370	9.23
	-1.5	*15 470	*15 470	*24 940	17 460	*19 510	11 350	14 770	8 350			11 860	6 840	8.73
	-3.0	*26 650	*26 650	*22 250	17 720	*17 750	11 470	*13 970	8 450			*12 920	7 890	7.92
	-4.5			*17 910	*17 910	*14 270	11 830					*12 470	10 240	6.67
BE-Boom 6.3 m	7.5					*13 980	*13 980					*8 010	*8 010	7.13
BE-Arm 2.9 m	6.0					*14 790	14 350	*13 540	9 980			*7 760	*7 760	8.05
Counterweight	4.5			*20 920	*20 920	*16 490	13 680	*14 230	9 690			*7 840	7 750	8.61
9 080 kg	3.0			*25 210	19 560	*18 480	12 900	*15 170	9 310			*8 200	7 200	8.88
Shoe 600 mm	1.5			*27 650	18 390	*20 010	12 250	15 480	8 960			*8 900	7 030	8.89
	0 (Ground)			*27 690	17 960	*20 550	11 860	15 210	8 730			*10 090	7 210	8.64
	-1.5	*23 600	*23 600	*26 050	17 950	*19 860	11 740	15 140	8 670			*12 190	7 850	8.10
	-3.0	*29 020	*29 020	*22 730	18 210	*17 540	11 880					*13 650	9 300	7.21
BE-Boom 6.3 m	7.5					*14 650	14 460					*12 320	11 740	6.77
BE-Arm 2.5 m	6.0					*15 320	14 100	*14 020	9 780			*11 890	9 280	7.73
Counterweight	4.5			*21 800	20 830	*16 930	13 410	*14 540	9 520			*12 000	8 060	8.31
9 080 kg	3.0					*18 780	12 640	*15 350	9 150			*12 550	7 450	8.59
Shoe 600 mm	1.5					*20 100	12 020	15 330	8 820			12 460	7 270	8.60
	0 (Ground)			*27 160	17 750	*20 380	11 690	15 100	8 620			12 930	7 490	8.34
	-1.5			*25 130	17 820	*19 370	11 630	*14 960	8 610			*14 100	8 230	7.78
	-3.0			*21 380	18 150	*16 560	11 850					*13 670	9 950	6.85

ZX470- 5G	0-5G									Rating over-front Rating over-side or 360 degrees L						
	Load					Load ra	adius m					Λ+	many ranah			
Conditions	point			4	4.5			7.	7.5		.0	At max. reach				
	height m	ů	@	ů	@	ů	@	ů	@	ů		ů	@	meter		
H-Boom 7.0 m	7.5							*11 550	10 090			*7 710	*7 710	8.61		
H-Arm 3.4 m	6.0							*12 120	9 840	*10 850	7 250	*7 570	6 710	9.39		
Counterweight	4.5			*20 300	*20 300	*15 560	13 250	*13 150	9 440	10 410	7 070	*7 660	6 030	9.88		
9 080 kg	3.0			*24 860	18 540	*17 760	12 360	13 420	8 970	10 150	6 830	*7 960	5 660	10.1		
Shoe 600 mm	1.5			*15 450	*15 450	18 150	11 640	12 960	8 560	9 900	6 600	8 280	5 520	10.1		
	0 (Ground)			*18 020	16 970	17 670	11 220	12 640	8 260	9 710	6 430	8 450	5 610	9.92		
	-1.5	*12 850	*12 850	*24 770	16 940	17 480	11 050	12 480	8 120	9 640	6 360	9 000	5 960	9.47		
	-3.0	*21 230	*21 230	*23 750	17 130	17 530	11 100	12 510	8 150			10 150	6 700	8.73		
	-4.5	*25 030	*25 030	*19 990	17 530	*15 800	11 350	*11 890	8 400			*11 490	8 240	7.63		

LIFTING CAPACITIES (Without bucket)

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 without bucket.

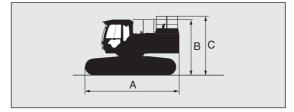
ZX470LCH-5G									Rating or	ver-front (Rating o	over-side or 3	60 degrees	Unit : kg
	Load					Loadra	ıdius m					_	tmax.reach	
Conditions	point	3	.0	4	.5	6	.0	7.	.5	9	.0	_ ^	liliax.ieacii	
	height m	ů		ů		ů	©	ů		ů		ů		meter
H-Boom 7.0 m	7.5							*11 560	10 430			*7 710	*7 710	8.64
H-Arm 3.4 m	6.0							*12 150	10 180	*10 680	7 520	*7 570	6 950	9.41
Counterweight	4.5			*20 430	*20 430	*15 620	13 680	*13 180	9 770	*11 770	7 340	*7 660	6 260	9.89
9 080 kg	3.0			*24 960	19 180	*17 810	12 800	*14 350	9 310	12 000	7 100	*7 970	5 890	10.1
Shoe 600 mm	1.5			*15 420	*15 420	*19 460	12 090	*15 340	8 900	11 740	6 870	*8 520	5 760	10.1
	0 (Ground)			*18 160	17 650	*20 170	11 670	15 130	8 610	11 550	6 700	*9 410	5 860	9.91
	-1.5	*13 070	*13 070	*25 000	17 640	*19 860	11 520	14 970	8 470	11 480	6 640	10 740	6 230	9.45
	-3.0	*21 470	*21 470	*23 670	17 830	*18 500	11 570	*14 640	8 500			*11 830	7 020	8.70
	-4.5	*24 850	*24 850	*19 860	18 230	*15 700	11 830	*11 760	8 760			*11 480	8 640	7.59
H-Boom 7.0 m	6.0					*14 460	14 240	*12 780	10 020			*11 030	7 860	8.68
BE-Arm 2.9 m	4.5			*22 080	20 480	*16 440	13 410	*13 720	9 620	12 160	7 240	*11 410	6 980	9.20
Counterweight	3.0					*18 470	12 550	*14 780	9 180	11 920	7 030	11 040	6 510	9.46
9 080 kg	1.5					*19 830	11 920	15 360	8 810	11 690	6 820	10 850	6 350	9.47
Shoe 600 mm	0 (Ground)			*19 290	17 620	*20 180	11 600	15 080	8 560	11 550	6 690	11 140	6 470	9.23
	-1.5	*15 470	*15 470	*24 940	17 710	*19 510	11 520	14 980	8 480			12 030	6 950	8.73
	-3.0	*26 650	*26 650	*22 250	17 980	*17 750	11 640	*13 970	8 580			*12 920	8 010	7.92
	-4.5			*17 910	*17 910	*14 270	12 000					*12 470	10 390	6.67
BE-Boom 6.3 m	7.5					*14 650	14 630					*12 320	11 880	6.78
BE-Arm 2.5 m	6.0					*15 320	14 280	*14 020	9 910			*11 890	9 400	7.73
Counterweight	4.5			*21 800	21 080	*16 940	13 590	*14 540	9 650			*12 000	8 170	8.31
9 080 kg	3.0					*18 780	12 810	*15 350	9 280			*12 550	7 560	8.59
Shoe 600 mm	1.5					*20 100	12 190	15 540	8 950			12 640	7 380	8.60
	0 (Ground)			*27 160	18 000	*20 380	11 860	15 310	8 750			13 110	7 600	8.34
	-1.5			*25 130	18 070	*19 370	11 800	*14 960	8 740			*14 110	8 350	7.78
	-3.0			*21 380	18 410	*16 560	12 020					*13 670	10 100	6.85

ZX470H-5G	(470H-5G										Rating over-front Rating over-side or 360 degrees					
	Load					Loadra	adius m						A +			
Conditions	point			4	4.5		6.0		7.5		9.0		- Atmax.reach			
	height m	ů		ů	@	ů	-	ů		ů	@	ů		meter		
H-Boom 7.0 m	7.5							*11 550	10 220			*7 710	*7 710	8.61		
H-Arm 3.4 m	6.0							*12 120	9 970	*10 580	7 350	*7 570	6 810	9.39		
Counterweight	4.5			*20 300	*20 300	*15 560	13 420	*13 150	9 570	10 560	7 170	*7 650	6 120	9.88		
9 080 kg	3.0			*24 860	18 800	*17 760	12 530	13 610	9 100	10 300	6 930	*7 960	5 750	10.1		
Shoe 600 mm	1.5			*15 450	*15 450	18 420	11 820	13 160	8 690	10 050	6 700	8 410	5 610	10.1		
	0 (Ground)			*18 020	17 230	17 930	11 390	12 830	8 390	9 860	6 530	8 590	5 700	9.92		
	-1.5	*12 850	*12 850	*24 770	17 200	17 740	11 230	12 680	8 250	9 790	6 460	9 140	6 060	9.47		
	-3.0	*21 230	*21 230	*23 750	17 390	17 790	11 270	12 700	8 280			10 300	6 810	8.73		
	-4.5	*25 030	*25 030	*19 990	17 790	*15 800	11 530	*11 890	8 530			*11 490	8 360	7.63		

ZX470LCR-5G											Rat	ting over-f	ront (Rating	g over-sid	e or 360 c	legrees	Unit : kg
	Load							Loadra	dius m									ob
Conditions	point	1.	.5	3	.0	4.	.5	6	.0	7.	5	9	.0	10).5] A	max.rea	CH
	height m	ů	@	ů		ů		ů	@	ů		ů		ů		ů	@	meter
BER-Boom 6.3 m	7.5							*14 630	*14 630							*12 320	11 930	6.77
BER-Arm 2.5 m	6.0							*15 310	14 330	*14 010	9 940					*11 890	9 440	7.33
Counterweight	4.5					*21 780	21 160	*16 920	13 630	*14 520	9 680					*11 990	8 200	8,31
9 080 kg	3.0							*18 760	12 850	*15 340	9 310					*12 550	7 590	8.59
Shoe 600 mm	1.5							*20 080	12 240	15 600	8 980					12 690	7 410	8.6
	0 (Ground)					*27 130	18 060	*20 350	11 900	15 370	8 780					13 170	7 630	8.34
	-1.5					*25 090	18 140	*19 350	11 840	*14 940	8 770					*13 090	8 380	7.78
	-3.0					*21 350	18 480	*16 540	12 060							*13 650	10 130	6.85

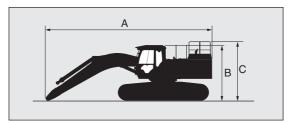
TRANSPORTATION

BASIC MACHINE (WITHOUT COUNTERWEIGHT)



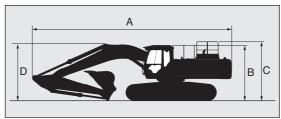
Fixed gauge	Shoe type	Shoe width	Overall width	Weight	А	В	С	
ZX470-5G Triple grou	Triple grouper	600 mm	3 340 mm	27 000 kg	5 470 mm	3 320 mm	2 5 10 mm	
	Triple grouser	750 mm	3 490 mm	27 800 kg	3 470 111111	3 320 11111	3 340 11111	
ZX470LC-5G	Triple areases	600 mm	3 340 mm	28 200 kg	E 600 mm	0.000	3 580 mm	
ZX47ULG-5G	Triple grouser	750 mm	3 490 mm	29 000 kg	5 690 11111	3 300 11111	3 360 11111	
ZX470H-5G	Triple grouser	600 mm	3 340 mm	27 500 kg	5 470 mm	3 320 mm	3 540 mm	
ZX470LCH-5G	Triple grouser	600 mm	3 340 mm	28 700 kg	5 690 mm	3 360 mm	3 580 mm	
ZX470LCR-5G	Triple grouser	600 mm	3 340 mm	28 900 kg	5 690 mm	3 360 mm	3 580 mm	

BASIC MACHINE FITTED WITH BOOM AND NO SIDEWALK



Fixed gauge	Boom length	Shoe type	Shoe width	Overall width	Weight	А	В	С
	6.3 m BE	Triple groupeer	600 mm	3 340 mm	32 400 kg	9 170 mm		
ZX470-5G	0.3 III DE	Triple grounser	750 mm	3 490 mm	33 100 kg	9 170 111111	3 320 mm	3 540 mm
	7.0 m H	Triple groupeer	600 mm	3 340 mm	32 400 kg	9 950 mm		
	7.01111	Triple grounser	750 mm	3 490 mm	33 100 kg	9 930 11111		
	6.3 m BE	Triple area peer	600 mm	3 340 mm	33 600 kg	9 160 mm	3 360 mm	3 580 mm
ZX470LC-5G	0.3 III BE	Triple grounser	750 mm	3 490 mm	34 400 kg	9 100 111111		
ZX47ULG-5G	70 11	Triple grounser	600 mm	3 340 mm	33 600 kg	0.040		
	7.0 m H		750 mm	3 490 mm	34 400 kg	9 940 mm		
ZX470H-5G	7.0 m H	Triple grounser	600 mm	3 340 mm	32 900 kg	9 950 mm	3 320 mm	3 540 mm
7)/4701 011 =0	6.3 m BE	Triple grounser	600 mm	3 340 mm	34 100 kg	9 160 mm	3 360 mm	3 580 mm
ZX470LCH-5G	7.0 m H	Triple grounser	600 mm	3 340 mm	34 000 kg	9 950 mm	3 360 mm	3 580 mm
ZX470LCR-5G	6.3 m BER	Triple grounser	600 mm	3 340 mm	34 300 kg	9 160 mm	3 360 mm	3 580 mm

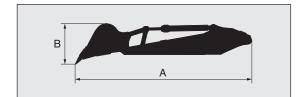
BASIC MACHINE WITH FRONT AND SIDEWALK



Fixed gauge	Boom length	6.3 r	n BE	7.0	m H	6.3 m BER			
rixed gauge	Arm length	2.5 m BE	2.9 m BE	2.9 m BE	3.4 m H	2.5 m BER			
	A	11 490 mm	11 300 mm	12 060 mm	12 040 mm				
X470-5G	В		3 320) mm		1			
(470-5G	С		3 540 mm						
	D	4 020 mm	4 200 mm	3 860 mm	3 450 mm				
	A	11 490 mm	11 290 mm	12 050 mm	12 070 mm				
X470LC-5G	В								
(470LO-3G	С		3 540	0 mm					
	D	4 200 mm	4 120 mm	3 900 mm	3 720 mm				
	А			12 100 mm	12 040 mm				
K470H-5G	В			3 32	0 mm				
N47 01 1-30	С			3 54	0 mm				
	D			3 740 mm	3 450 mm				
	А	11 490 mm	11 360 mm	12 100 mm	12 030 mm				
K470LCH-5G	В		3 360 mm						
N47 OLOT 1-3G	С		3 580	0 mm					
	D	4 130 mm	3 880 mm	3 740 mm	3 450 mm				
	А				1	11 490 mm			
ZX470LCR-5G	В					3 360 mm			
(47 OLOI 1-30	С					3 580 mm			
	D	7/	/	/		4 130 mm			

TRANSPORTATION

ARM AND BUCKET



ZX470-5G / ZX470LC-5G

Arm	Bucket Capacity ISO heaped	А	В	Overall width	Weight
2.5 m BE	2.50 m ³	5 760 mm	1 400 mm	1 770 mm	4 620 kg
2.9 m BE	2.30 m ³	6 030 mm	1 340 mm	1 660 mm	4 350 kg
3.4 m H	1.90 m ³	6 430 mm	1 270 mm	1 540 mm	4 240 kg
3.4 III FI	2.10 m ³	6 430 mm	1 270 mm	1 630 mm	4 300 kg

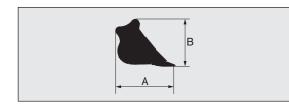
ZX470H-5G / ZX470LCH-5G

Arm	Bucket Capacity ISO heaped	А	В	Overall width	Weight
2.5 m BE	2.50 m ³	5 650 mm	1 470 mm	1 820 mm	5 010 kg
2.9 m BE	2.30 m ³	5 950 mm	1 460 mm	1 700 mm	4 800 kg
3.4 m H	1.90 m ³	6 440 mm	1 300 mm	1 500 mm	4 720 kg

ZX470LCR-5G

Arm	Bucket Capacity ISO heaped	А	В	Overall width	Weight
2.5 m BER	2.50 m ³	5 650 mm	1 470 mm	1 820 mm	5 590 kg

BUCKET



ZX470-5G / ZX470LC-5G (Hoe bucket)

Bucket Capacity ISO heaped	А	В	Overall width	Weight
1.15 m ³	1 800 mm	1 350 mm	1 210 mm	1 070 kg
1.40 m ³	1 800 mm	1 350 mm	1 410 mm	1 170 kg
1.60 m ³	1 960 mm	1 570 mm	1 360 mm	1 480 kg
1.90 m ³	1 960 mm	1 570 mm	1 540 mm	1 590 kg
2.10 m ³	1 960 mm	1 570 mm	1 630 mm	1 650 kg
2.30 m ³	1 950 mm	1 660 mm	1 660 mm	1 800 kg
2.50 m ³	1 950 mm	1 660 mm	1 770 mm	1 870 kg
2.65 m ³	1 950 mm	1 660 mm	1 860 mm	1 930 kg

ZX470H-5G / ZX470LCH-5G (Rock bucket)

Bucket capacity ISO heaped	А	В	Overall width	Weight
1.90 m ³	2 030 mm	1 480 mm	1 500 mm	2 070 kg
2.10 m ³	1 950 mm	1 650 mm	1 580 mm	2 170 kg
2.30 m ³	1 950 mm	1 650 mm	1 700 mm	2 260 kg
2.50 m ³	1 950 mm	1 650 mm	1 820 mm	2 360 kg

ZX470LCR-5G (Rock bucket)

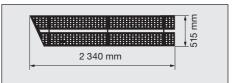
Bucket capacity ISO heaped	А	В	Overall width	Weight
2.50 m ³	1 950 mm	1 650 mm	1 820 mm	2 360 kg

COUNTERWEIGHT 9 080 kg

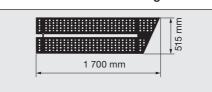
20



LEFT FRONT SIDEWALK 44 kg



LEFT REAR SIDEWALK 30 kg



EQUIPMENT

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

● : Standard equipment ○ : Optional equipment ─ : Not applicable

	ZX470-5G	ZX470LC-5G	ZX470H-5G	ZX470LCH-5G	ZX470LCR-5G
ENGINE					
Auto idle system	•	•	•	•	•
Cartridge-type engine oil filter	•	•	•	•	•
Cartridge-type fuel filter	•	•	•	•	•
Dry-type air double filter with evacuator valve (with air filtr restriction switch for monitor)	•	•	•	•	•
Fan guard	•	•	•	•	•
Fuel pre-filter	•	•	•	•	•
Power mood control [H/P (High Power) PWR(Power) ECO(Economy)]	•	•	•	•	•
Isolation-mounted engine	•	•	•	•	•
Pre-cleaner Pre-cleaner	0	0	0	0	0
Radiator, oil cooler with dust protective net	•	•	•	•	•
Radiator reserve tank	•	•	•	•	•
50 A alternator	•	•	•	•	•

Accessories for breaker	_	_	0	0	0
Accessories for breaker & crusher	_	_	0	0	0
Accessories for 2 speed selector	_	_	0	0	0
Auto power lift	•	•	•	•	•
Boom mode selector system	•	•	•	•	•
Control valve with main relief valve	•	•	•	•	•
Drain filter	•	•	•	•	•
Engine speed sensing system	•	•	•	•	•
E-P control system	•	•	•	•	•
Extra port for control valve	•	•	•	•	•
Full-flow filter	•	•	•	•	•
Pilot filter	•	•	•	•	•
Power boost	•	•	•	•	•
Quick warm-up system for pilot circuit	•	•	•	•	•
Shockless valve in pilot circuit	•	•	•	•	•
Suction filter	•	•	•	•	•
Work mode selector	•	•	•	•	•

CAB					
Additional fuse box	•	•	•	•	•
Adjustable armrests	•	•	•	•	•
All-weather sound suppressed steel cab	•	•	•	•	•
AM-FM radio	•	•	•	•	•
Ashtray	•	•	•	•	•
Auto control air conditioner	•	•	•	•	•
Auto-idle selector	•	•	•	•	•
AUX. terminal and storage	0	0	0	0	0
H/R cab	•	•	•	•	•
OPG top guard fitted Level II (ISO10262)	•	•	•	•	•
OPG front guard fitted Level II (ISO10262)	0	0	0	0	0
Laminated straight glass front window	•	•	•	•	•
Left side window can be opened	•	•	•	•	•
Cigarette lighter	•	•	•	•	•
Drink holder	•	•	•	•	•
Engine shut-off cable	•	•	•	•	•
Electric double horn	•	•	•	•	•

EQUIPMENT

Evacuation hammer

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

ZX470H-5G

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● : Standard equipment O : Optional equipment — : Not applicable

ZX470LCH-5G

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ZX470LCR-5G

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Evacuation hammer	•	•	•	•	•
Fire extinguisher bracket	0	0	0	0	0
Floor mat	•	•	•	•	•
Footrest	•	•	•	•	•
Front window washer	•	•	•	•	•
Glove compartment	•	•	•	•	•
Hot & cool box	•	•	•	•	•
Intermittent windshield wiper	•	•	•	•	•
Key cylinder light	•	•	•	•	•
LED room light with door countesy	•	•	•	•	•
Pilot control shut-off lever	•	•	•	•	•
Rear tray	•	•	•	•	•
Retractable seat belt	•	•	•	•	•
Rubber radio antenna	•	•	•	•	•
Seat : Adjustable reclining mechanical suspension	•	•	•	•	•
Short wrist control levers	•	•	•	•	•
Storage box	•	•	•	•	•
Sun visor (front)	0	0	0	0	0
Sun visor (side)	0	0	0	0	0
Transparent roof with slide curtain	•	•	•	•	•
2 speaker	•	•	•	•	•
6 fluid-filled elastic mounts	•	•	•	•	•
12 V power outlet	0	0	0	0	0
24 V cigarette lighter	•	•	•	•	•
MONITOR SYSTEM					
Alarm buzzers: overheat, engine oil pressurre	•	•	•	•	•
Alarms: overheat, engine warning, engine air filter restriction, work mode, etc oil pressure, alternator, minimum fuel level,	•	•	•	•	•
Display of meters: water temperature, hour, fuel rate, clock	•	•	•	•	•
Other displays: work mode, auto-idle, glow, operating conditions et	•	•	•	•	•
LIGHTS					
2 working lights	•	•	•	•	
2 cab lights	•	•	•	•	•
4 cab lights	0	0	0	0	0
Additional working lights(boom right side)	0	0	0	0	0
, additional working lights(booth right slue)	J	O	O	<u> </u>	
UPPER STRUCTURE					
Electric fuel refilling pump with auto stop	0	0	0	0	0
Auto-grease lubricator	0	0	0	0	0
Electrical grease pump with hose-reel	0	0	0	0	0
Fuel level float	•	•	•	•	•
Hydraulic oil level gauge	•	•	•	•	•
Ladder	•	•	•	•	•
Rear view camera	0	0	0	0	0
Rear view mirror(right & left side)	•	•	•	•	•
Side walk (cab side)	•	•	•	•	•
1		•	•	•	•
Swing parking brake	•	•			
Swing parking brake Tool box	•	•	•	•	•
	•	•	•	•	•

ZX470LC-5G

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ZX470-5G

EQUIPMENT

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

● : Standard equipment O : Optional equipment — : Not applicable

	ZX470-5G	ZX470LC-5G	ZX470H-5G	ZX470LCH-5G	ZX470LCR-5G
2.3 mm thickness undercover	•	•	_	_	_
4.5 mm thickness undercover	_	_	•	•	•
9 080 kg counterweight	•	•	•	•	•

UNDERCARRIAGE							
Bolt-on sprocket	•	•	•	•	•		
Full track guard	_	_	•	•	•		
Hydraulic track adjuster	•	•	•	•	•		
Idler track guard	•	•	_	_	_		
Reinforced track links with pin seals	•	•	•	•	•		
Travel motor covers	•	•	•	•	•		
Travel parking brake	•	•	•	•	•		
Track undercover	0	0	0	0	0		
Upper and lower rollers	•	•	•	•	•		
1 track guard (each side)	•	_	_	_	_		
2 track guard (each side)	_	•	_	_	_		
600 mm triple grouser shoes	•	•	•	•	•		
750 mm shoe with standard track guard	0	0	_	_	_		

FRONT ATTACHMENTS					
Attachment basic piping	0	0	0	0	0
Centralized lubrication system	•	•	•	•	•
Damage prevention plate and square bars	•	•	•	•	•
Dirt seal on all bucket pins	•	•	•	•	•
Flanged pin	•	•	•	•	•
1.9 m³ (ISO heaped) bucket	•	0	_	_	_
2.1 m³ (ISO heaped) bucket	0	•	_	_	_
1.9 m³ (ISO heaped) rock bucket (with dual type side shrouds)	_	_	•	•	_
2.5 m³ (ISO heaped) rock bucket (with dual type side shrouds)	_	_	_	0	•
7.0 m H-boom and 3.4 m H-arm	•	•	•	•	_
6.3 m BE-boom	0	0	0	0	_
2.5 m BE-arm	0	0	0	0	_
2.9 m BE-arm	0	0	0	0	_
6.3 m BER-boom and 2.5 m BER-arm	_	_	_	_	•
Reinforced weld link A	•	•	•	•	•
Reinforced link B	•	•	•	•	•

MISCELLANEOUS						
Anti-slip steps and handrails	•	•	•	•	•	
Lockable fuel refilling cap	•	•	•	•	•	
Lockable machine covers	•	•	•	•	•	
Onboard information controller	•	•	•	•	•	
Standard tool kit	•	•	•	•	•	
Theft deterrent system	•	•	•	•	•	
Travel direction mark on track frame	•	•	•	•	•	

OTHERS					
Global e-service	•	•	•	•	•



- Hitachi Environmental Vision 2050 -

Our Environmental Vision envisions a low-carbon society; a resource efficient society; a harmonized society with nature. To achieve such a sustainable society, we have established a set of long-term environmental targets called Hitachi Environmental Innovation 2050.

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 or tele 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.