

ULTRA PERFORMANCE

NEW

ZAXIS 370_{LCH}
ULTRA



ULTRA PERFORMANCE

NEW

ZAXIS ULTRA

In an industry that's always evolving, with growing business demands, customers need a machine they can rely on. An asset to your operation. Committed to its legacy, the all-new ZAXIS 370LCH ULTRA is a reliable machine, which is packed with innovative technologies for unparalleled productivity and efficiency. Bringing you quality as standard and so much more. Unlock the full potential of your machine.



Unmatched Performance

Higher Production

The *HIOS III hydraulic system and engine control system, thereby reducing CO2 emissions.

*Human & Intelligent Operating 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

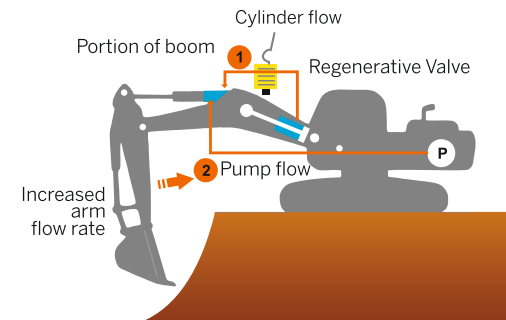
In ZAXIS 370LCH ULTRA, for boom lowering, pressurized oil from the boom cylinder bottom side is delivered to its rod side, assisted by boom weight. At the same time, pressurized oil from the pump is delivered to the arm cylinder for faster arm movement.

Powerful Lifting of Material

The Auto Power Lift mode, which automatically surges lifting forces by 10% when needed, allows for powerful lifting.

Enhanced Power Boost

The enhanced power boost when applied, allows the operator to increase the digging force by 5%. This can be actuated pressing the button on the control lever.



Limitless Reliability and Durability

Reliable and Durable Isuzu Engine

This tried and tested reliable Japanese engine has a track record showing impressive durability at countless tough job sites around the world. This engine with a rugged design, a direct fuel injection system and a robust mechanical governor goes green and complies with global emission norms.

The turbo charged, inter-cooled engine yields a whopping 66kW output for higher production in shorter job schedule.



State-of-the-art R&D and Quality Control

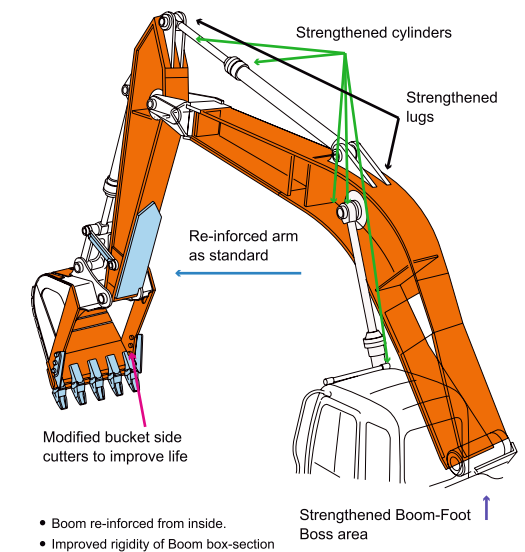
Tata Hitachi is known for its technological prowess and product performance. The R&D Division has a track record of excellent design, stress analysis expertise using CAE system, and an abundant production data base. A large scale durability test field allows for a series of stringent testing of new machines.



Rock-Solid, Durable Front Attachment

The robust boom and arm are designed and analysed using advanced software. They are manufactured to precision using high grade steels with state-of-the-art welding robot and machining centres. Thus, durability is built into the front attachment. 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 steel bushings, 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 reinforced for added durability.

Track adjusters absorb impacts to crawlers. Front idlers and adjuster cylinders are integrated to increase durability



Proven Upperstructure

Reinforced with a proven D-section skirt, the upper structure frame offers increased rigidity and protection against obstacle impact.



ULTRA PERFORMANCE

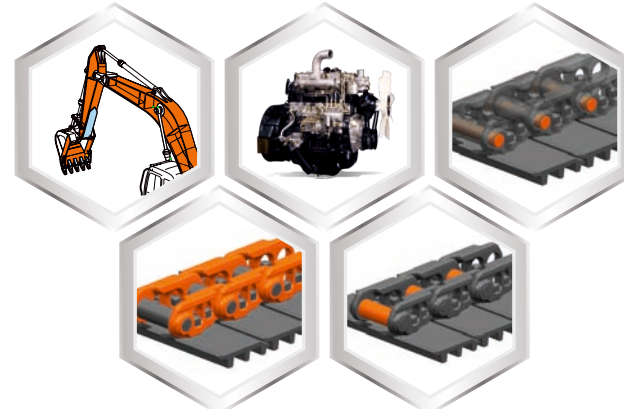
Unmatched Performance

- New Buckets with Higher Capacity **NEW**
- Enhanced Power Boost
- Higher Swing Torque **NEW**
- Auto Power Lift Mode
- Increased Working Ranges **NEW**
- High Production
- Faster Cycle Time



Limitless Reliability and Durability

- Reliable Japanese Engine
- Strengthened Bucket and Boom Cylinders **NEW**
- Strengthened Boom **NEW**
- Reliable Pump and Motors
- Proven Upper Structure
- Reinforced Front Attachments



Mighty Track (Optional)

- Strengthened Undercarriage
- Heave Duty Track Chain **NEW**
- Increased Track Life with
 - Longer Pin Length
 - Larger Bush Diameter
 - Taller Link Height



Top-Notch Technology and Versatility

- HIOS III Hydraulic System
- New-age Micro-Processor Based Controls
- ConSite Telematics Suite
- Global e-Service
- Factory Fitted Rock Breaker Piping Kit
- Easily Customizable with Attachments, such as, Rock Breaker, Auger, Orange Peel Grab, Quick Coupler, etc.



Redefined Comfort and Safety

- 7" LCD Monitor **NEW**
- Auto Climate Control Air Conditioner
- Ergonomically Placed Controls
- Suspension Seat
- AM/FM, Powerful Speakers, AUX Port for Music
- Powerful LED lights **NEW**

Safety:

- OPG Cabin
- FOPS (Falling Object Protective Structure) Level 2 **NEW**



Assured Support

- Extended Warranty
- Wide-spread Dealer Network
- Field Diagnostic Vehicle
- Mobile Workshop



Human & Intelligent Operation System (HIOS-III)

Discover excellence with ZAXIS 370LCH ULTRA's HIOS-III hydraulic system, developed by industry leading hydraulic technologies and a wealth of experience.

Unleash superior digging forces, swift front movements, faster cycle times and precise controls resulting in higher production with low fuel consumption.

Generational Intelligence with New Age Micro-processor based controls

Experience advanced micro-processor based technology that enhances productivity, simplifies maintenance, and ensures exceptional performance.

Versatility

The ZAXIS 370LCH ULTRA comes in tailor made options and is easily customizable with various attachments such as Auger, Quick Coupler, Orange Peel Grab and many more.

A factory-fitted rock breaker piping kit is also available, along with a wide range of bucket options to suit various applications.



Safe and Robust Cab

- The robust cab, meeting the OPG (Top Guard Level 1) criteria, protects the operator from falling objects.
- Optional enhanced safety and DGMS compliance facility is available:
 - Auto Fire Detection and Suppression System (AFDSS) is available as optional feature and can be factory fitted.
 - Auto centralized lubrication system (ACLS) provides lubrication to all the pins.
- Swing alarm system can be provided to meet safety requirement.
- Travel alarm to alert nearby equipment/people during travel operation of the machine.



Cabin Features

- Plush comfortable reclining seat with armrest and adjustable headrest
- Air lumbar support
- Air conditioning
- Smooth control levers
- Engine emergency shut-off switch
- Horn function even in machine off condition
- Engine stop switch
- Engine stop cable
- 7" LCD monitor - multipurpose monitor
- Rear tray
- Bottle holder
- Front guard for cabin glass
- Overhead window
- AM/FM, powerful speakers, AUX port for music
- Powerful LED lights



New Multi-function Monitor



Ergonomic Control Lever



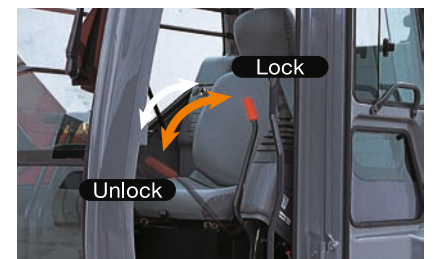
Emergency Engine Stop Switch



Drink Holder

Comfort-Designed Operator Seat

The ergonomically designed suspension seat comes with a headrest and armrest to maximize operator comfort. It offers multiple adjustment options, sliding and reclining, to suit the operator's preferences. For additional legroom, the seat can slide rearward.



Lever Locking and Wide Door for Easy Ingress





Grouped Remote 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. A lid behind the cab door is available for easy replacement of the air conditioner filters for fresh air.

Fast Lubrication

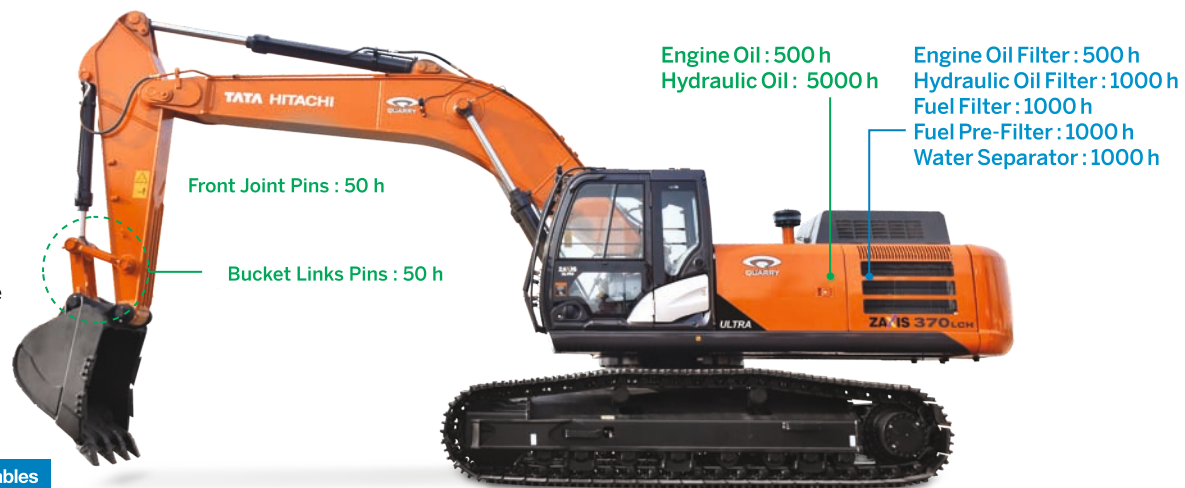
The arm and boom have their own centralized greasing points for fast lubrication. Auto-grease lubricator is also available for faster greasing / lubrication.

Maintenance-Friendly Undercarriage

The side frame tops of the undercarriage are sloped to let mud slide off easily. Track adjuster greasing ports are positioned for easy access and are well protected against mud build-up.

Electric Fuel Refilling Pump

An electric fuel refilling pump is provided for convenient, push-button fuel filling directly into the tank.



Genuine Tata Hitachi Parts meet stringent quality standards. These parts are guaranteed to perform and are backed by Tata Hitachi's warranty.

Developed in synergy with our machines, Tata Hitachi ensures wide spread dealer network which also offers

Field Diagnostic Vehicle and Mobile Workshop for quicker after-sales service.

Tata Hitachi also offers extended warranty so that our customers get high levels of performance, reliability and peace of mind.

EXTENDED WARRANTY
COMPLETE PEACE OF MIND



Guaranteed availability - Increased uptime and maximum production.



Higher resale value of equipment after the end of the contract.



Onsite availability of float aggregates.



Fix before failure to ensure maximum reliability of machines.



Trained and experienced manpower at site on 365 days x 24 hours basis.



Exclusive onsite warehouse for complete contract period.

ConSite

Consolidated Solution for Construction Sites



MONTHLY REPORT VIA E-MAIL

Know everything about your machine & how to increase productivity while reducing costs



SITE EFFICIENCY PARAMETERS

Advises you on ways to fine tune everyday operations



CAUTION ALARM

Pre-emptive information of your machine's health



EMERGENCY ALARM

Real time notification to you and the dealer to avoid machine breakdowns



PERFORMANCE ANALYSIS

Benchmarking your machine against similar class machines in the region



Download the ConSite Pocket app today

- ✓ Minimise downtime
- ✓ Support your business

Tata Hitachi Support Chain

A full customer supports system offered on buying a Tata Hitachi Ultra Series machine.

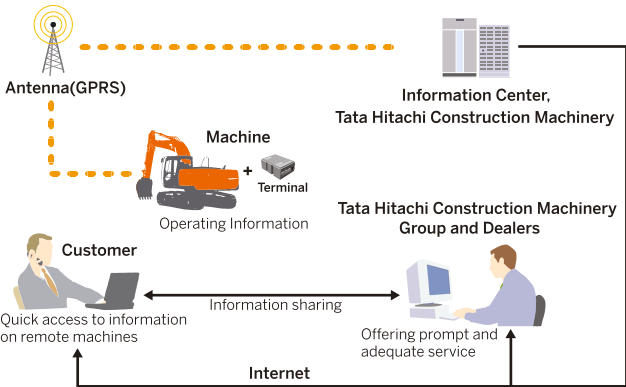


Remote Fleet Management with Global e-Service

Easy access to On-Site Machines through the internet

Global e Service is a convenient and simple system designed to give you valuable information regarding the operations, maintenance, system parameters and alarms of your machines from the convenience of your office. This system can be configured to give you a customised dashboard of the vital parameters that you would like to monitor, to increase productivity and reduce the downtime of your fleet.

The operating data and logs are sent to our servers for processing and then to customers and dealers around the world. This system is available 24 hours a day, all the year round and can be viewed on your laptops and mobile devices through the Internet.



Note: In Some Regions, Global e-Service may not be available due to Local Regulations.

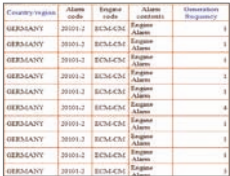
Main Features of Global e-Service

Global e-Service provides easy access to a machine on site conveying operating information and log, including daily operating hours, operations, fuel levels, location, itemised maintenance scheduling, machine's technical parameters and alarm history.



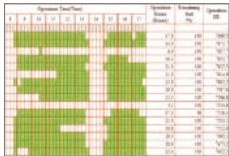
Operation

• Working site and route to the site of customer machine can be determined.



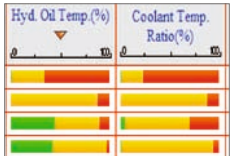
Alarm function

Information of alarms as causes of machine failures can be received in real time.



Hour meter / Daily report

Daily machine operation hours and remaining fuel can be determined.



Operation information

Hydraulic oil temperature, swing hours and other data are determined.

Support Solutions

Full Maintenance Contract by Tata Hitachi is a fully customized service offering for customers having large fleet of machines. Designed to meet specific requirement of individual customers. It maximizes the production by ensuring maximum machine utilization.

Objectives

- Maximize equipment availability
- Minimize operating cost through planned maintenance
- Enhanced reliability and maintainability through monitoring of MTTR and MTBF
- Technical skill development of customer personnel
- Extend equipment life to maximize return on investment

Benefits

- Higher productivity through increased utilization
- Life cycle maintenance cost known at the start of the contract
- Allows customer to concentrate on their core activity
- Higher equipment availability resulting in leaner fleet size
- Improved cost efficiency through higher utilization and extended equipment life.
- Better resale value of equipment



Service Solutions

Get tailored maintenance solutions to suit your needs.

Types of Contracts	Machine Availability	Manpower Support	Tools & Facilities	Guaranteed Parts Cost	Parts Storage	Lubricant Storage
Annual Service Contract (ASC)		✓	✓			
Full Maintenance Contract (FMC) & CAP Contract	✓	✓	✓	✓	✓	✓
Site Support Agreement (SSA)		✓	Optional (varies from case-to-case basis)			

For further details contact your nearest Tata Hitachi or dealership office.

ENGINE

ModelIsuzu GH-6HK1X
 Type4-cycle water-cooled, direct injection
 AspirationTurbocharged, intercooled
 No. of cylinders6

Rated power

ISO 9249 / SAE J1349, net190 kW (254 HP) at 1900 min⁻¹ (rpm)
 SAE J1349, net.....190 kW (254 HP) at 1900 min⁻¹ (rpm)
 Maximum torque1037 Nm (106.0 kgfm) @ 1500 min⁻¹ (rpm)
 Piston displacement7.790 L
 Bore and stroke115 mm x 125 mm
 Batteries2 x 12 V / 128 Ah

HYDRAULIC SYSTEM

Hydraulic Pumps

Main pumps2 variable displacement axial piston pumps
 Maximum oil flow2 x 288 L/min
 Pilot pump1 gear pump
 Maximum oil flow30.2 L/min

Hydraulic Motors

Travel2 variable displacement axial piston motors
 Swing1 axial piston motor

Relief Valve Settings

Implement circuit350 kgf/cm² (34.3 MPa)
 Swing circuit330 kgf/cm² (32.4 MPa)
 Travel circuit355 kgf/cm² (34.8 MPa)
 Pilot circuit40 kgf/cm² (3.9 MPa)
 Power boost388 kgf/cm² (38.0 MPa)

BUCKET AND ARM DIGGING FORCES

Arm length	2.66 m (STD)
Bucket digging force* ISO	246 kN (25 085 kgf)
Bucket digging force* SAE : PCSA	214 kN (21 821.9 kgf)
Arm crowd force* ISO	222 kN (22 637.7 kgf)
Arm crowd force* SAE : PCSA	213 kN (21 720 kgf)

* At Power Boost

UNDER CARRIAGE

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 roller2
 Lower roller8
 Track shoes.....48
 Track guard3

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 speedsHigh : 0 to 5 km/h
Low : 0 to 3.2 km/h

Maximum traction force298 kN (30 400 kgf)
 Gradeability70% (35 degree) continuous

Mighty Track

Strengthened undercarriage with heavy duty track chain, longer pin length, larger bush diameter and taller link height

SERVICE REFILL CAPACITIES

Fuel tank630.0 L
 Engine coolant35.0 L
 Engine oil41.0 L
 Swing device15.7 L
 Travel device (each side)9.2 L
 Hydraulic system340.0 L
 Hydraulic oil tank180.0 L

UPPER STRUCTURE

Revolving Frame

D-section frame skirt for resistance to deformation

Swing Device

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

Swing speed10.7 min⁻¹(rpm)
 Swing torque120 kNm (12 200 kgfm)

Operator's Cab

Spacious and ergonomically designed cabin complying to FOPS level 2 with optional guard (ISO* 3449:2005/ISO10262) for enhanced safety.

*Internal Organization for Standardization

WEIGHTS AND GROUND PRESSURE

Shoe type	Shoe width	Arm length	Operating weight	Ground pressure	
Reinforced Triple grouser	600 mm	2.66 m	35 700 kg	66.8 kPa	0.68 kgf/cm ²
		6 m	36 200 kg	67.8 kPa	0.69 kgf/cm ²

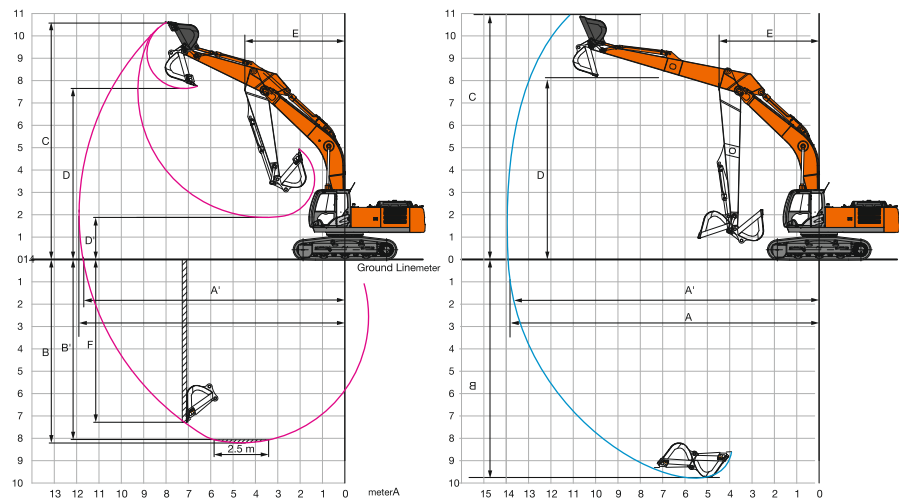
BACKHOE ATTACHMENTS

Capacity ISO heaped (m ³)	Width		Tooth Point (no's)	Weight (kg)	Max. Material Density (kg/m ³)	Arm Length (m)
	Without side cutters	With side cutters				
1.3	1 300 mm	1 315 mm	4	1 580	G & M	2.66
1.5	1 376 mm	-	5	1 665	2 000	2.66
1.7	1 568 mm	1 623 mm	5	1 667	1 800	2.66
2.1	1 570 mm	1 625 mm	5	1 949	1 600	2.66
2.3	1 570 mm	1 625 mm	5	2 083	1 600	2.3
2.5	2 197 mm	-	-	1 089	800	6.0
Block Handling	1 355 mm	-	4	1 802	G & M	2.66

G & M - Granite and Marble

Specifications

WORKING RANGES

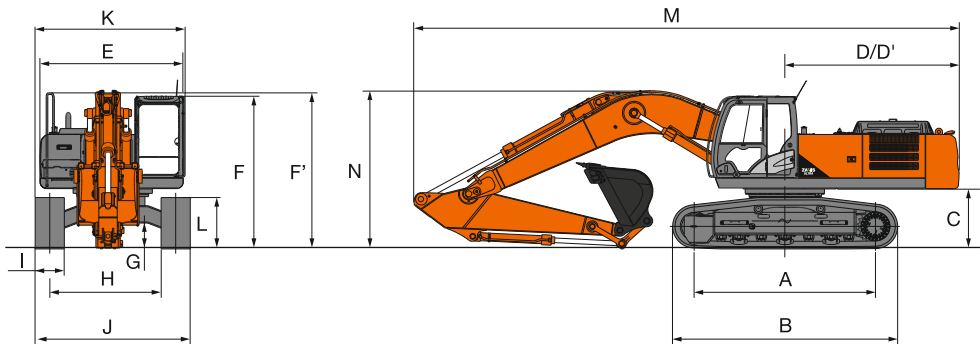


	Boom length	*6.4 m	6.4 m	6.2 m
	Arm length	*2.66 m	6.0 m	2.3 m
A	Max. digging reach	10 570	13 193	10 275
A'	Max. digging reach (on ground)	10 350	13 019	10 061
B	Max. digging depth	6 810	9 932	6 377
B'	Max. digging depth for 2.5 m level	6 610	-	6 167
C	Max. cutting height	10 060	10 674	9 916
D	Max. dumping height	6 970	8 006	6 760
D'	Min. dumping height	3 235	-	3 521
E	Min. swing radius	4 610	4 440	4 437
F	Max. vertical wall digging depth	5 510	-	5 281

* Standard

All dimensions are in mm

DIMENSIONS



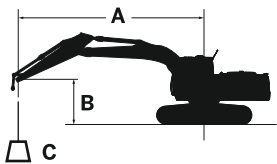
A	Distance between tumblers	4 050
B	Undercarriage length	4 950
*C	Counterweight clearance	1 170
D	Rear-end swing radius	3 590
D'	Rear-end length	3 590
E	Overall width of upperstructure	2 980
F	Overall height of cab	3 170
F'	Overall height of upperstructure	3 280
*G	Min. ground clearance	500

H	Track gauge	2 590
I	Track shoe width	600
J	Undercarriage width	3 190
K	Overall width	3 140
*L	Track height with triple grouser shoes	1 080
M	Overall length	
	With 2.66m arm	11 350
N	Overall height of boom	
	With 2.66m arm	3 470

* Excluding track shoe lug

Specifications

LIFTING CAPACITIES



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

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

ZAXIS 370LCH Ultra (STD/HD)

Conditions	Load point height m	Load radius										At maximum reach		
		1.5 m		3.0m		4.5 m		6.0m		75 m				
												meter		
Boom 6.40 m	6.0							*8915	*8915	*8221	7237	*8156	6466	7.997
	4.5					*12 899	*12 899	*10039	9888	*8652	7018	*8159	5631	8.578
Arm 2.66 m	3.0					*15 826	13 896	*11367	9282	*9288	6728	*8242	5206	8.866
Counterweight 6 900 kg	1.5							*12417	8717	*9846	6460	*8079	5065	8.890
	0 (Ground)					*17 453	12 843	*12852	8517	*10095	6287	*8320	5186	8.652
Shoe width: 600 mm	-1.5			*13 733	*13 733	*16 546	12 874	*12550	8448	*9788	6247	*8755	5640	8.129
	-3.0			*18 928	*18 928	*14 703	13 095	*11311	8569			*8795	6673	7.259
	-4.5			*14 199	*14 199	*11 284	*11 284					*8320	*8320	5.883

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

ZAXIS 370LCH Ultra (Optional)

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

Conditions	Load point height m	Long arm load radius m											
		3 m		4.5 m		7.5 m		9.5 m		10.5 m		11.8 m	
Boom 6.40 m	9.1							5454*	5401				
	7.5									5495*	4536		
	6.5							5316*	5316*	5465*	4537		
Long Arm 6 m	4.5							5760*	5248	5718*	4432		
	2.5					7240	7165	6460*	4987	6198*	4251	5308	3495
Counterweight 7 600 kg	0	24801*	24801*	15238*	13351	9002*	6500	7113	4644	6138	4008		
	-2.5	27347*	23878	17554*	12265	9589	6055	6858	4409	5974	3855		
	-4.5	25831*	23859	17251*	12083	9454	5933	6827	4380				
	-6.5	21454*	21454*	14888*	12330	8519*	6068						
	-8.5			8949*	8949*								

Notes: 1. Hydraulic Power factor =0.87
2. stability factor for long arm =0.70
3. *Indicates load limited by hydraulic capacity.
4. 0 m= Ground

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

Equipment

ENGINE	
Air cleaner double filters	●
Auto idle system	●
Auto shut-down control	●
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	●
Fan guard	●
Water separator	●
Pre-cleaner	●
Dust-Proof indoor 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	●
CAB	
All-weather sound suppressed steel cab	●
AM-FM radio with 2 speakers	●
Auto control air conditioner	●
Hot & Cold drink holder	●
Electric horn	●
Engine shut-off lever	●
Evacuation hammer	●
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	●
Intermittent windshield wipers	●
Room light	●

Top guard Level I (ISO10262) compliant cab	●
Pilot control shut-off lever	●
Rear tray	●
Rear view camera	○
Retractable seat belt	●
Rubber radio antenna	●
Seat : mechanical suspension seat	●
Seat adjustment part : backrest, armrest, height and angle, slide forward / back	●
Short wrist control levers	●
4 fluid-filled elastic mounts	●
MONITOR SYSTEM	
Alarms: Overheat, engine warning, engine oil pressure, alternator, minimum fuel level, hydraulic filter restriction, air filter restriction, work mode, overload, etc.	●
Meters : Hr meter, trip-meter, engine coolant temperature gauge and fuel gauge	●
Display of meters: Water temperature, hour, fuel rate, clock	●
Warning Lamps : Alternator charge, engine oil pressure, engine overheat, air filter restriction and minimum fuel level	●
Pilot lamps : Engine preheat, engine oil level, engine coolant level, hydraulic oil level, work light, auto-idle, and attachment mode	●
Alarm buzzers: Overheat, engine oil pressure, overload	●
Other displays: Work mode, auto-idle, glow, rear-view monitor, operating conditions, etc.	●
LIGHTS	
2 cab roof front lights	●
2 boom light	●
1 Tool box light	●
Boom light cover	○
UPPER STRUCTURE	
Electric fuel refilling pump	●
Fuel level float	●
Hydraulic oil level gauge	●
Rear view mirror (right & left side)	●
Swing parking brake	●
Tool box	●
Undercover	●
Utility space	●
6 900 kg counterweight	●

7 600 kg counterweight	○
2 x 128 Ah batteries	●
UNDERCARRIAGE	
Bolt-on sprocket	●
Reinforced track links with pin seals	●
Travel motor covers	●
Travel parking brake	●
Track guard (each side) and hydraulic track adjuster	●
Upper and lower rollers	●
3 track guards	●
4 tie down hooks	●
600 mm triple grouser shoes	●
Mighty Track	○
FRONT ATTACHMENTS	
Dust seal on all bucket pins	●
Flanged pin	●
Reinforced resin thrust plate	●
1.3 m ³ bucket (ISO heaped)	●
Bucket (ISO heaped) 1.5/1.7/2.1 m ³	○
Block handling bucket	○
2.5 m ³ coal bucket with 6m long Arm	○
2.3 m ³ bucket with 6.2 m boom and 2.3 m arm	○
6.40 m boom	●
Attachment basic piping	○
MISCELLANEOUS	
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	●
Swing alarm	○
Travel alarm	○
OPG Top guard level - II	○
Automatic fire suppression system	○
Centralised lubrication system	○
Fire extinguisher	○

● Standard equipment
○ Optional equipment

Tata Hitachi Construction Machinery Company Private Limited

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Authorised Dealer

These specifications are subject to change without prior notice. The machine depicted may vary from the actual machine. Please contact our nearest office for latest specifications. Accessories shown here are not part of the standard equipment. Performance of the machine may vary with site and operating conditions encountered.