

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

Limitless Reliability and Durability

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

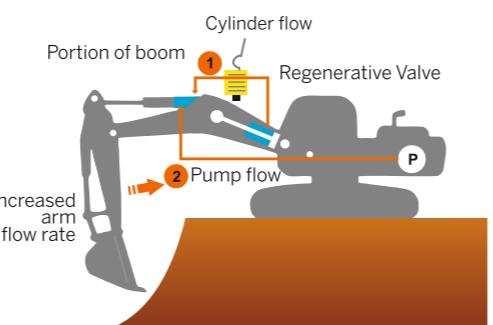
In ZAXIS 370LCH ULTRA, for boom lowering, pressurized oil from the boom cylinder bottom side is delivered to its rod side, assisted by boom weight. At the same time, pressurized oil from the pump is delivered to the arm cylinder for faster arm movement.

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.



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

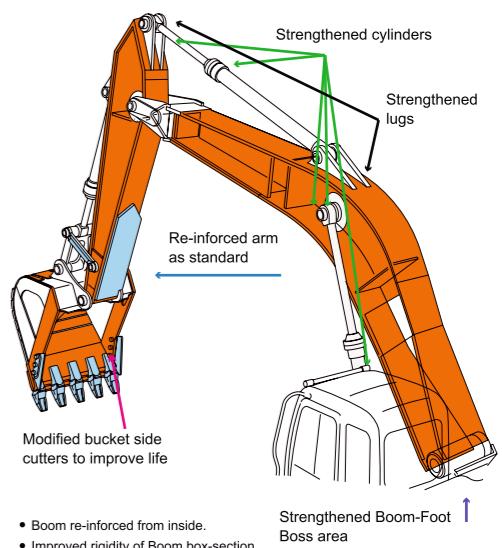
Tata Hitachi is known for its technological prowess and product performance. The R&D Division has a track record of excellent design, stress analysis expertise using CAE system, and an abundant production data base. A large scale durability test field allows for a series of stringent testing of new machines.



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

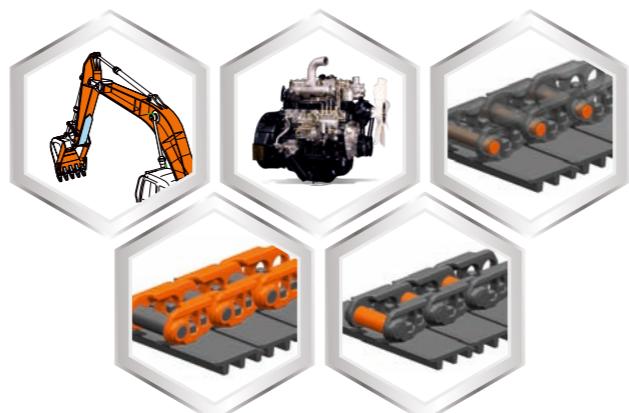
Unmatched Performance

- 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



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

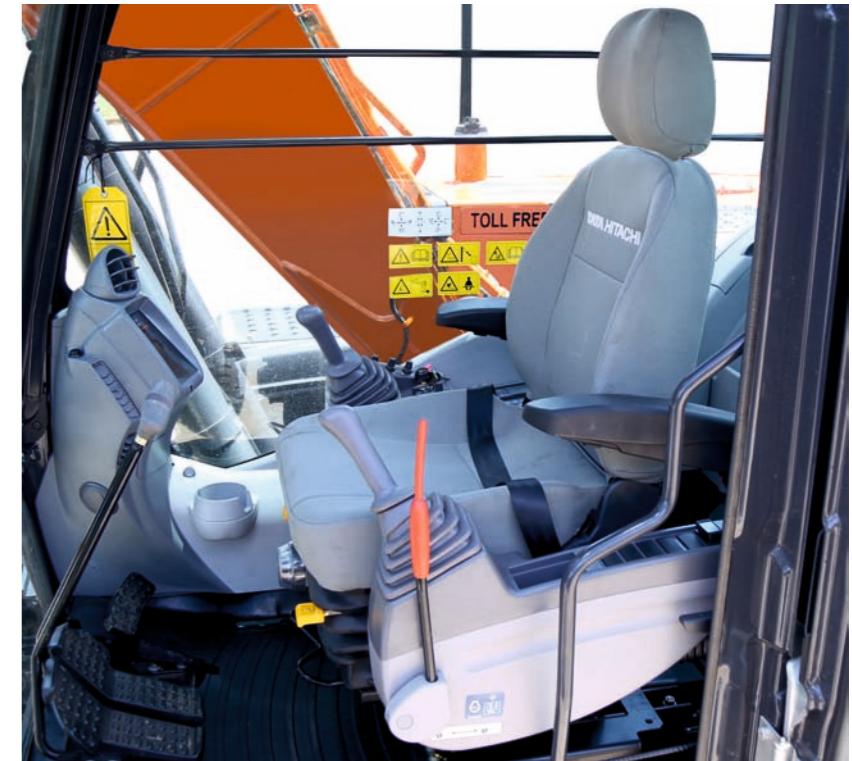
The ZAXIS 370LCH ULTRA comes in tailor made options and is easily customizable with various attachments such as Auger, Quick Coupler, Orange Peel Grab and many more.

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.



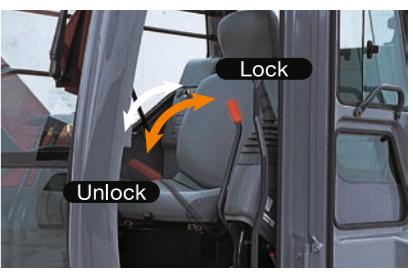
Cabin Features

- 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



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.



Guaranteed availability - Increased uptime and maximum production.



Fix before failure to ensure maximum reliability of machines.



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



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



Onsite availability of float aggregates.



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



Specifications

Tata Hitachi Support Chain

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

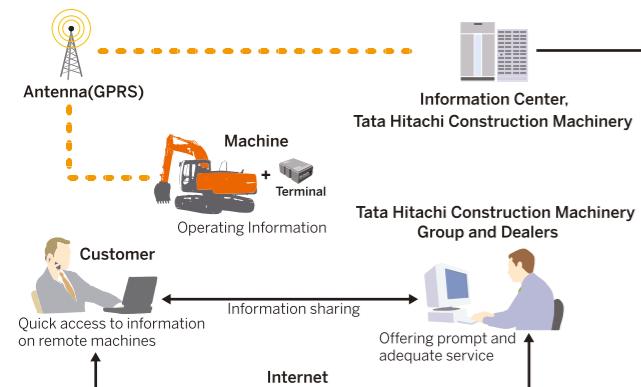


Remote Fleet Management with Global e-Service

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.

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

Model	Isuzu GH-6HK1X
Type	4-cycle water-cooled, direct injection
Aspiration	Turbocharged, intercooled
No. of cylinders	6
Rated power	
ISO 9249 / SAE J1349, net	190 kW (254 HP) at 1900 min ⁻¹ (rpm)
SAE J1349, net	190 kW (254 HP) at 1900 min ⁻¹ (rpm)
Maximum torque	1037 Nm (106.0 kgfm) @ 1500 min ⁻¹ (rpm)
Piston displacement	7.790 L
Bore and stroke	115 mm x 125 mm
Batteries	2 x 12 V / 128 Ah

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 roller	2
Lower roller	8
Track shoes	48
Track guard	3

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 km/h Low : 0 to 3.2 km/h

Maximum traction force	298 kN (30 400 kgf)
Gradeability	70% (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 tank	630.0 L
Engine coolant	35.0 L
Engine oil	41.0 L
Swing device	15.7 L
Travel device (each side)	9.2 L
Hydraulic system	340.0 L
Hydraulic oil tank	180.0 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 speed	10.7 min ⁻¹ (rpm)
Swing torque	120 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

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

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

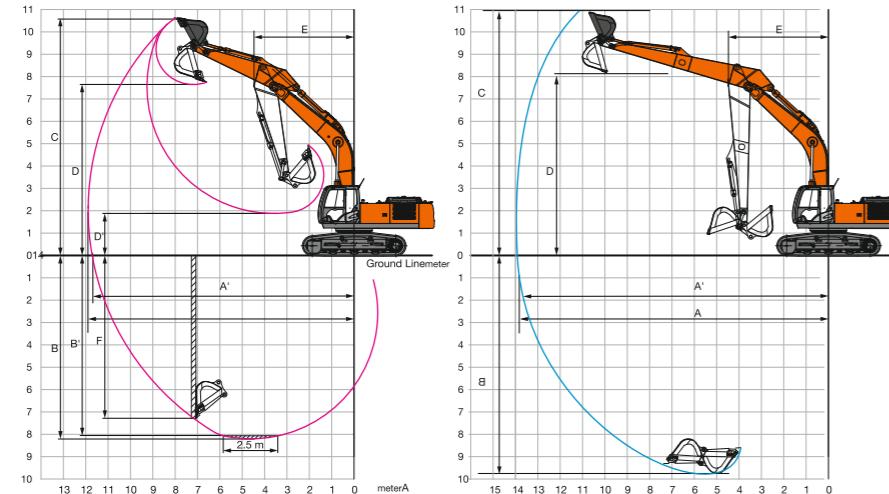
BACKHOE ATTACHMENTS

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 Marbel

Specifications

WORKING RANGES

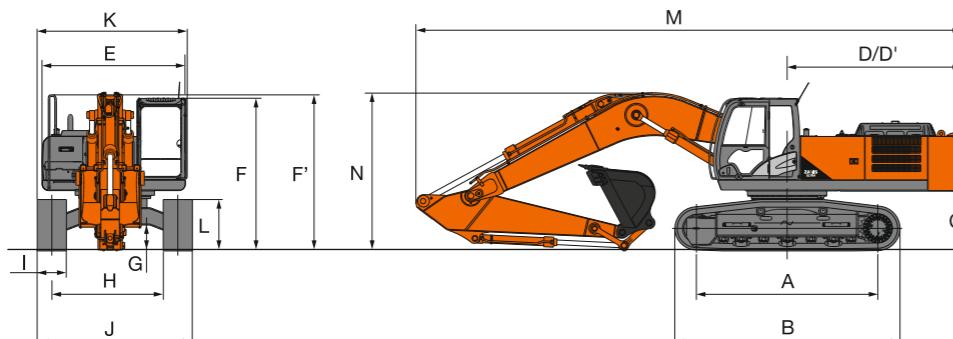


	Boom length	*6.4 m	6.4 m	6.2 m
	Arm length	*2.66 m	6.0 m	2.3 m
A	Max. digging reach	10 570	13 193	10 275
A'	Max. digging reach (on ground)	10 350	13 019	10 061
B	Max. digging depth	6 810	9 932	6 377
B'	Max. digging depth for 2.5 m level	6 610	-	6 167
C	Max. cutting height	10 060	10 674	9 916
D	Max. dumping 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



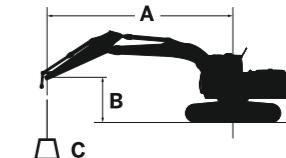
A	Distance between tumblers	4 050
B	Undercarriage length	4 950
*C	Counterweight clearance	1 170
D	Rear-end swing radius	3 590
D'	Rear-end length	3 590
E	Overall width of upperstructure	2 980
F	Overall height of cab	3 170
F'	Overall height of upperstructure	3 280
*G	Min. ground clearance	500

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		3.0 m		4.5 m		6.0 m		7.5 m					
		Rating over-front	Rating over-side or 360 degrees	Rating over-front	Rating over-side or 360 degrees	Rating over-front	Rating over-side or 360 degrees	Rating over-front	Rating over-side or 360 degrees	Rating over-front	Rating over-side or 360 degrees	Rating over-front	Rating over-side or 360 degrees	meter	
Boom 6.40 m Arm 2.66 m Counterweight 6 900 kg Shoe width: 600 mm	6.0											*8915	*8915	*8221	7237
	4.5											*12 899	*12 899	*10039	9888
	3.0											*15 826	13 896	*11367	9282
	1.5											*12417	8717	*9846	6460
	0 (Ground)											*17 453	12 843	*12852	8517
	-1.5											*13 733	*13 733	*16 546	12 874
-3.0												*18 928	*18 928	*14 703	13 095
	-4.5											*14 199	*14 199	*11 284	*11 284

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)

Conditions	Load point height m	Long arm load radius m										At maximum reach			
		3 m		4.5 m		7.5 m		9.5 m		10.5 m					
		Rating over-front	Rating over-side or 360 degrees	Rating over-front	Rating over-side or 360 degrees	Rating over-front	Rating over-side or 360 degrees	Rating over-front	Rating over-side or 360 degrees	Rating over-front	Rating over-side or 360 degrees	Rating over-front	Rating over-side or 360 degrees	meter	
Boom 6.40 m Long Arm 6 m Counterweight 7 600 kg	9.1											5454*	5401		
	7.5											5316*	5316*	5495*	4536
	6.5											5760*	5248	5465*	4537
	4.5											7240	7165	5718*	4432
	2.5											9002*	6500	6460*	4251
	0	24801*	24801*	15238*	13351	9002*	6500	7113	4644	6198*	4251	5308	4008	3495	
-2.5	27347*	23878	17554*	12265	9589	6055	6858	4409	5974	4380					
	-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

Registered Office: Jubilee Building, 45 Museum Road, Bangalore, India 560025
Telephone: +91 80 66953301 / 02 / 03 / 04 / 05 | Email: info@tatahitachi.co.in

 www.tatahitachi.co.in

Toll Free Number
1800 121 6633



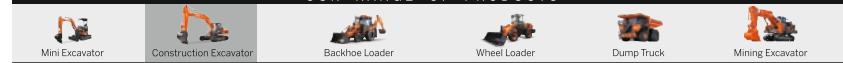
EXTENDED
WARRANTY

SUPPORT CHAIN

CERTIFIED USED EQUIPMENT
TATA HITACHI
PREMIUM USED
VALUE

WARRANTY

OUR RANGE OF PRODUCTS



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.