

# ULTRA PERFORMANCE

**NEW**

**ZAXIS 370<sub>LCH</sub>**  
**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

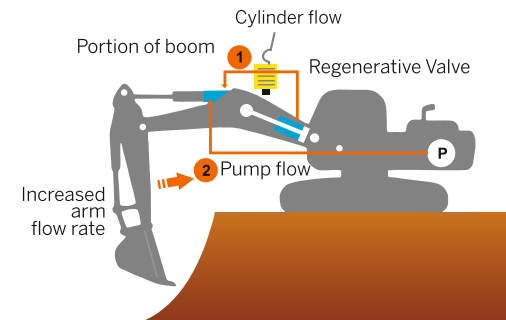
In ZAXIS 370LCH ULTRA, for boom lowering, pressurized oil from the boom cylinder bottom side is delivered to its rod side, assisted by boom weight. At the same time, pressurised oil from the pump is delivered to the arm cylinder for faster arm movement.

## 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

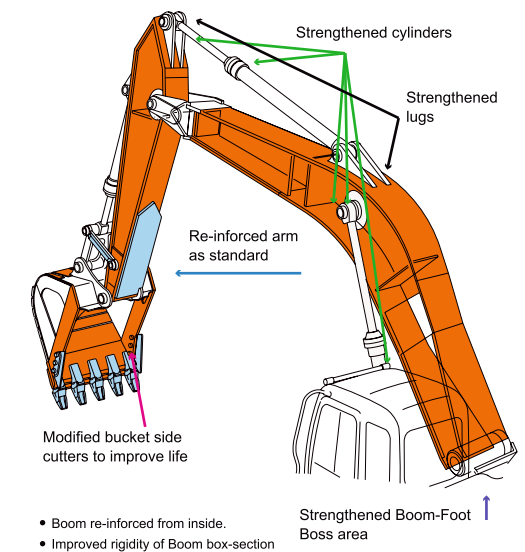
Tata Hitachi is known for its technological prowess and product performance. The R&D Division has a track record of excellent design, stress analysis expertise using CAE system, and an abundant production data base. A large scale durability test field allows for a series of stringent testing of new machines.



## 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

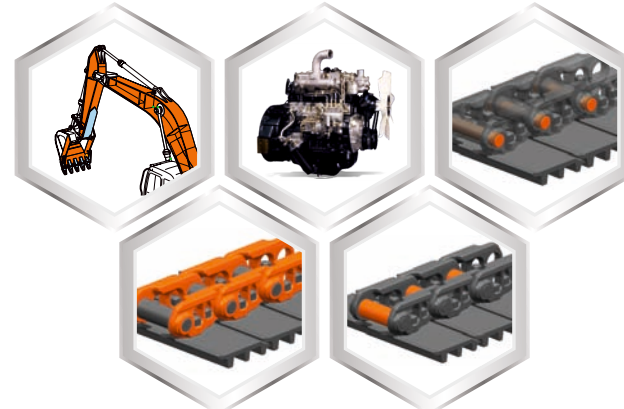
## Unmatched Performance

- 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



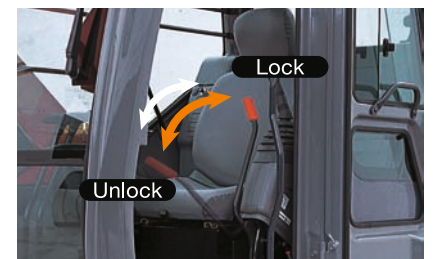
Emergency Engine Stop Switch



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

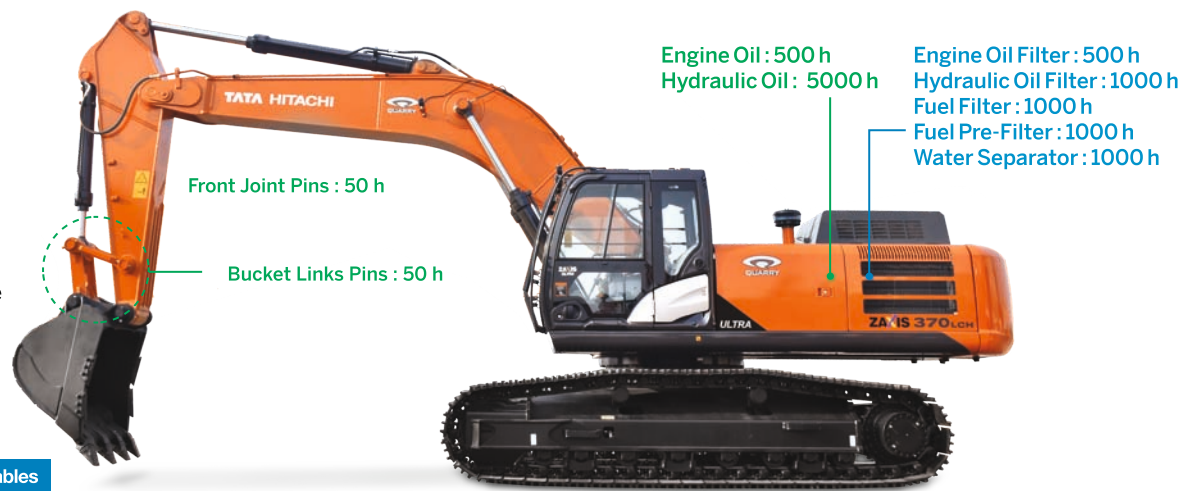
The arm and boom have their own centralized greasing points for fast lubrication. Auto-grease lubricator is also available for faster greasing / lubrication.

## 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



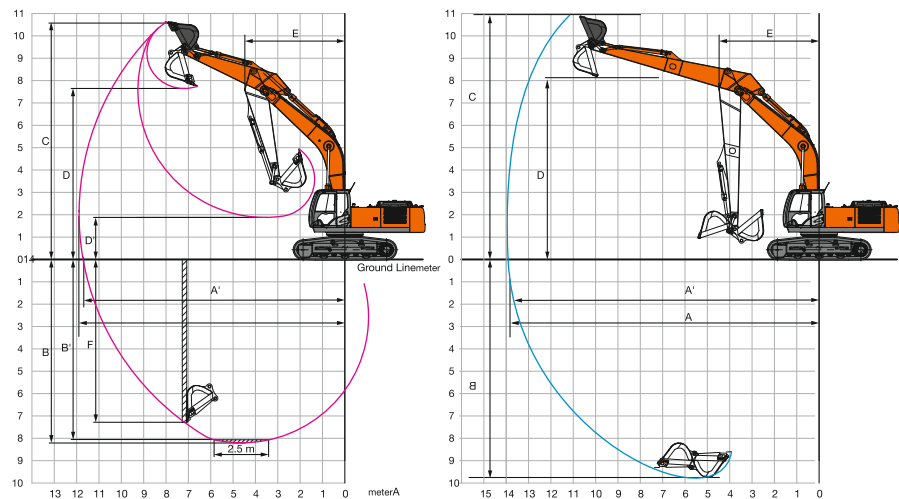






# Specifications

## WORKING RANGES

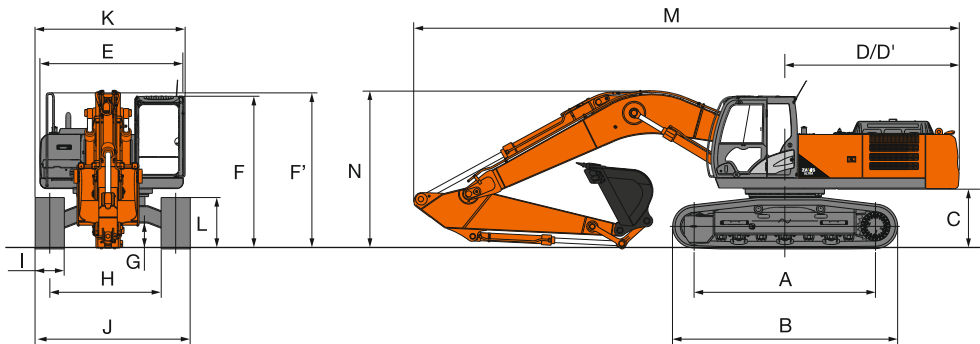


|    |                                    |         |        |        |
|----|------------------------------------|---------|--------|--------|
|    | Boom length                        | *6.4 m  | 6.4 m  | 6.2 m  |
|    | Arm length                         | *2.66 m | 6.0 m  | 2.3 m  |
| A  | Max. digging 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



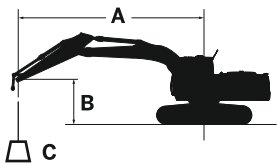
|    |                                  |       |
|----|----------------------------------|-------|
| A  | Distance between tumblers        | 4 050 |
| B  | Undercarriage length             | 4 950 |
| *C | Counterweight clearance          | 1 170 |
| D  | Rear-end swing radius            | 3 590 |
| 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<br>m | Load radius                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | At maximum reach                                                                    |                                                                                     |       |
|------------------------|------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|
|                        |                        | 1.5 m                                                                               |                                                                                     | 3.0m                                                                                |                                                                                     | 4.5 m                                                                               |                                                                                     | 6.0m                                                                                |                                                                                     | 7.5 m                                                                               |                                                                                     |                                                                                     |                                                                                     |       |
|                        |                        |  |  |  |  |  |  |  |  |  |  |  |  | meter |
| Boom 5.68 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 2.4 m              | 3.0                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *15 826                                                                             | 13 896                                                                              | *11367                                                                              | 9282                                                                                | *9288                                                                               | 6728                                                                                | *8242                                                                               | 5206                                                                                | 8.866 |
| Counterweight 4 600 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 |
|                        | 0                   | 24801*                 | 24801* | 15238* | 13351 | 9002* | 6500 | 7113  | 4644  | 6138   | 4008 |        |      |
| Counterweight 7 600 kg | -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 <sup>3</sup> bucket (ISO heaped)                  | ● |
| Bucket (ISO heaped) 1.5/1.7/2.1 m <sup>3</sup>          | ○ |
| Block handling bucket                                   | ○ |
| 2.5 m <sup>3</sup> coal bucket with 6m long Arm         | ○ |
| 2.3 m <sup>3</sup> 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: +918066953301 / 02 / 03 / 04 / 05 | Email: info@tatahitachi.co.in



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.

THCM/Z3370/CHULTRA/E/18P/MAY/2025