

**NEW**

# **EX200Lc** *PRIME*

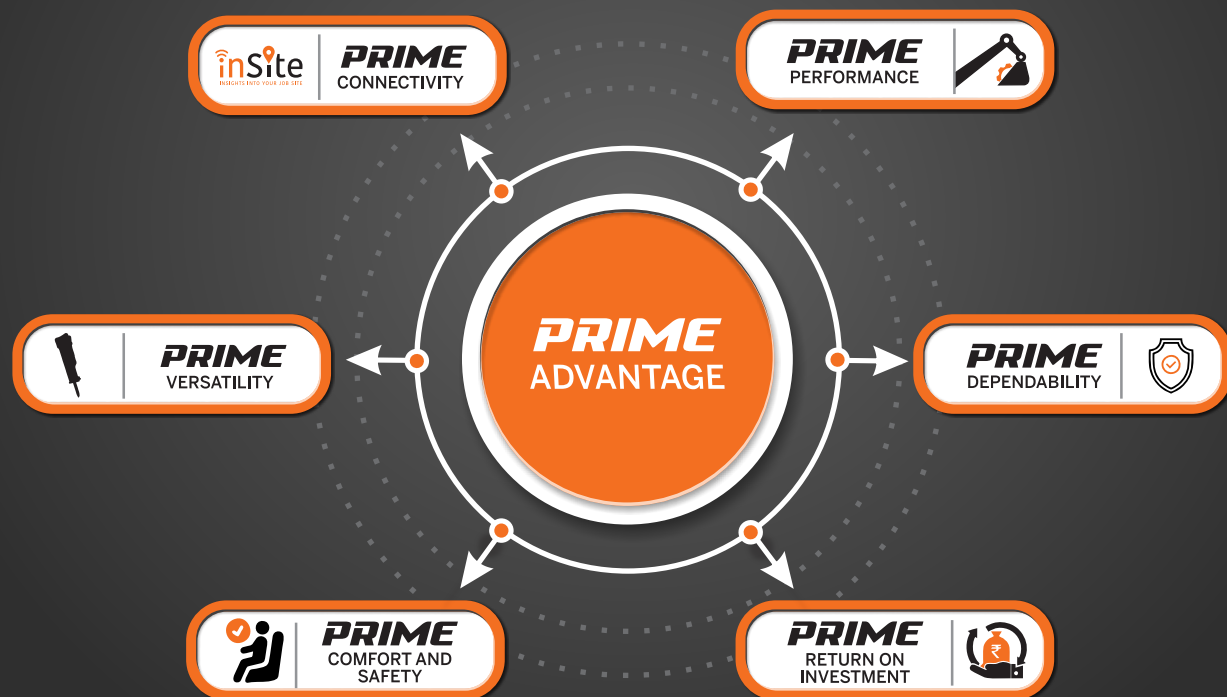
## **SPEND LESS. EARN MORE.**

Experience The Prime Advantage



# PRIME

Everything you need in your 20 Ton Excavator is Performance, Dependability, Comfort, Safety, Return On Investment, Connectivity and Versatility. Tata Hitachi's EX 200LC Prime Hydraulic Excavator sets benchmarks in all these areas. The machine has been designed to provide precision control, high fuel efficiency, high productivity, superior operator comfort, excellent versatility and unmatched return on investment.



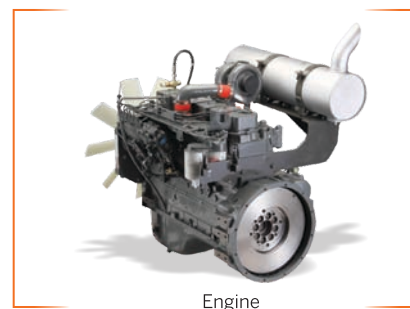
## PRIME PERFORMANCE

### Higher Production

- Proven and powerful engine
- Intelligent Optimum Hydraulic System (iOHS)
- Hydraulic flow combination for attachment for better performance and efficiency **NEW**
- High swing torque **NEW**
- Wide range of buckets designed for higher fill factor **NEW**
- Bigger size buckets **NEW**

### Least Fuel Consumption

- Auto Idle and Auto Deceleration
- Mode selection- E, S and P mode **NEW**
- Dial type throttle
- Fuel saving pump system
- Hydraulic regeneration



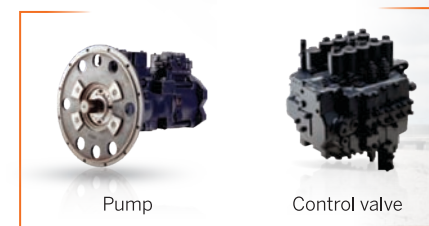
## PRIME DEPENDABILITY

### Higher Durability

- Improved Casted H-link **NEW**
- Improved Bucket Cylinder **NEW**
- HD track frame
- Track guard as standard fitment
- Strengthened bucket **NEW**

### Higher Reliability

- Proven Hitachi technology
- CAD designed, robot welded, tested and validated to international standards
- Proven and reliable aggregates



## PRIME RETURN ON INVESTMENT



### Low Fuel Consumption

- iOHS Japanese hydraulics
- Fuel saving pump
- Improved efficiency
- 3 work modes **NEW**



### Low Maintenance Cost

- Maintenance free cyclonic air pre cleaner for longer engine life
- HP return line filter for longer life of hydraulic aggregates
- Extended service intervals for reduced maintenance cost:
  - Long drain hydraulic oil change: 4500 hrs
  - Engine oil change: 500 hrs
  - Travel device oil change: 2000 hrs
  - Engine oil filter and fuel filters replacement: 500 hrs



### High Resale Value

- Most trusted brand
- Largest dealer network
- Highly reliable & durable machines
- Easy availability of parts & support



\*Based on testing done in controlled and standard environment. Terms and condition apply



- LED lights **NEW**



- Integrated rear view camera **NEW**
- 7" TFT LCD monitor detailed monitoring parameters
- Maintenance and alerts on monitor



- 4G telematics system **NEW**
- Daily SMS
- App and web based monitoring



- Battery Cut-off switch
- Option of swing and travel alarms
- Beacon lights
- CLS, AFDSS and other safety features



- 30% smoother pilot levers **NEW**
- Comfortable and roomy cabin
- Weight adjustable suspension seat
- Air lumbar support in operator seat
- Seat belt, fan and air conditioning
- Bluetooth music system



- Hydraulic regeneration
- Rock breaker piping kit (optional)
- Hydraulic flow combination for attachment



- Sturdier bucket cylinder with metallic cap for seal protection
- Casted H-link



- Wide range of bucket options
- Bigger buckets
- 0.91 m<sup>3</sup> QR
- 1.02 m<sup>3</sup> GP
- 1.2 m<sup>3</sup> ELM
- 1.7 m<sup>3</sup>
- 0.91 m<sup>3</sup> GP
- 1.5 m<sup>3</sup>

### Standard

- Front guard
- LED light
- LCD monitor
- Front wiper
- Sun shade
- Rear view camera
- Rear view mirror
- 2 LED lights on boom
- USB charging port
- Bluetooth music system
- Seat belt with alarm
- Seat with air lumbar support
- Beeper / Buzzer
- Auto Idle
- 3 power modes
- 4G telematics suit (InSite)

### Optional

- Beacon light
- Travel Alarm
- Swing alarm
- Cold start kit
- Hydraulic flow restriction indicator
- Attachment flow combination
- Rear view camera
- Battery cut-off switch
- Fuel refilling pump
- Rockbreaker piping kit
- CLS, AFDSS
- Air conditioning
- SLF
- Counter weight light
- FOPS frame guard



- Cyclonic pre-cleaner
- Dust proof indoor net
- Fuel shut off solenoid **NEW**
- Improved ROC **NEW**



- Intelligent Optimum Hydraulic System (iOHS)
- All-new high efficiency hydraulic pump
- New-generation control valve
- Hitachi's proven hydraulics for powerful performance
- Improved swing device **NEW**



- HD undercarriage
- HD track chain
- 500 mm track shoe options available



## PRIME COMFORT AND SAFETY

### Comfort

- Smooth operating levers, 30% reduced effort **NEW**
- Ergonomic controls with all-new audio player (USB + FM + Bluetooth), fan for prime comfort **NEW**
- Air lumbar back rest support for comfortable longer working hours
- Weight adjustable suspension seat with multiple seat adjustments
- 7" TFT LCD monitor for better understanding of machine operation **NEW**

### Safety

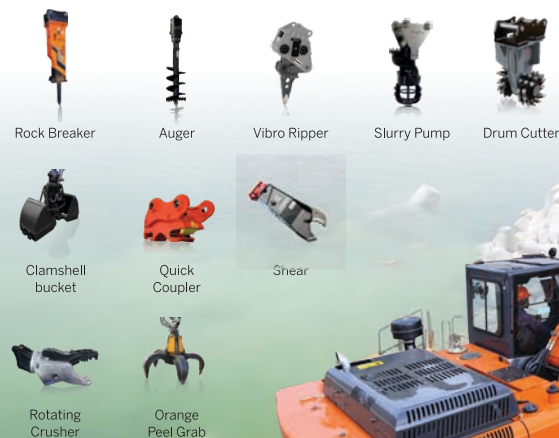
- Seat belt, front guard, anti skid tapes for operator's safety
- Baffle plates to separate hot & cold zones
- Starter motor with thermal cut off to prevent over cranking
- Optional rear-view camera for enhanced safety



## PRIME VERSATILITY

### Attachments :

- The machine comes in tailor made options and is easily customizable with various attachments
- Option of factory fitted rock breaker piping kit
- Attachments:



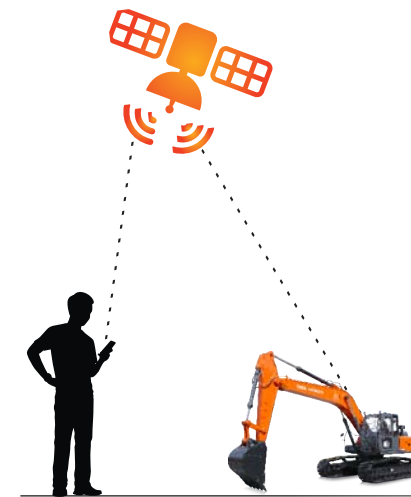
### Options\*:

Available in below options:

- Arm - Standard arm / Long arm
- Track shoe width - 500 mm
- Wide range of buckets for wide variety of applications
- Super long reach
- Tunnel variant
- Amphibious

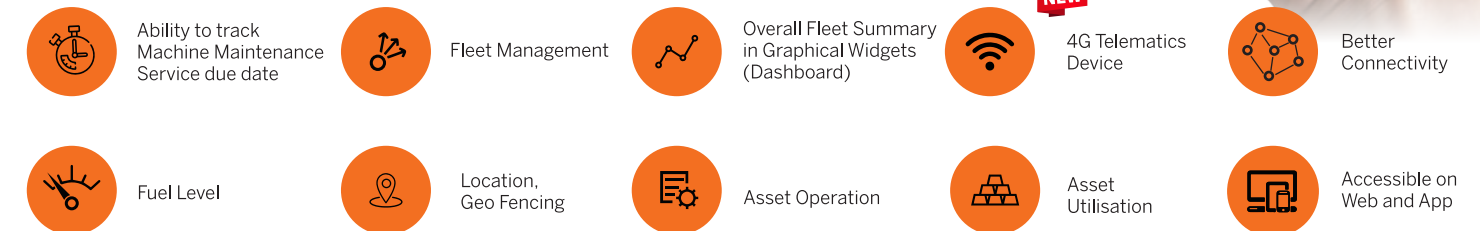
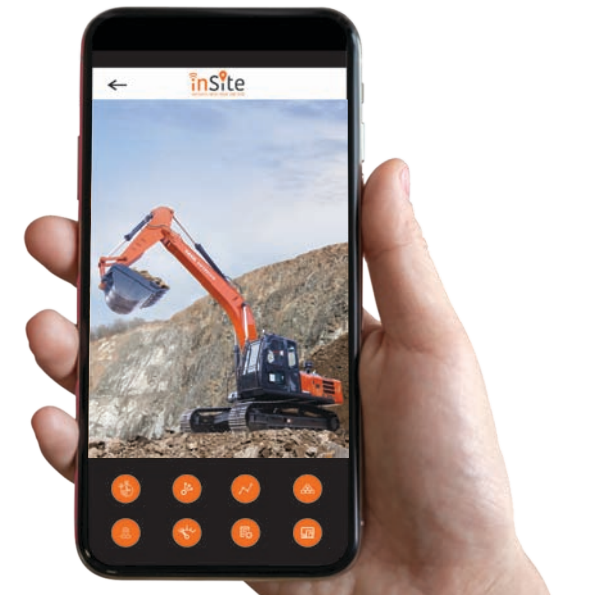


## PRIME CONNECTIVITY



**inSite**  
INSIGHTS INTO YOUR JOB SITE

**TELEMATICS SUITE  
FOR REAL TIME MONITORING**



## SUPPORT SOLUTIONS

- Wide spread dealer network for easy availability of spare parts
- Field diagnostic vehicle and mobile workshop for quicker after-sales support
- Peace of mind through extended warranty
- Extended service intervals for reduced maintenance cost



\* Combinations will be based on application suitability and design approval

## SPECIFICATIONS

### ENGINE

Model .....Cummins 6BT5.9C  
Type.....6 cylinder water cooled, direct injection  
Aspiration .....Turbocharged  
Rated fly wheel power .....131 HP (133 PS) @ 2000 rpm  
Max.torque.....54.8 kgf-m @ 1300 rpm  
Batteries .....2x12V

### HYDRAULIC SYSTEM

Main pumps .....2 variable displacements axial piston pumps  
Flow rate .....2x221 L/min  
Pilot pump.....1 gear pump  
Flow rate .....20 L/min

### SUPERSTRUCTURE

Swing Speed .....13.3 rpm

### RELIEF VALVE SETTINGS

Implement circuit .....285 kgf/cm<sup>2</sup>  
Swing circuit.....275 kgf/cm<sup>2</sup>  
Travel circuit.....350 kgf/cm<sup>2</sup>  
Pilot circuit .....40 kgf/cm<sup>2</sup>

### UNDERCARRIAGE

Travel Speed.....0-4.2 kmph  
Max. traction force .....15,200 kgf  
Gradeability .....35° (70% continuous)  
No. of upper rollers.....2  
No. of lowers rollers.....8  
No. of track shoes .....48  
Shoe width .....500 mm

### SERVICE REFILL CAPACITIES

Hydraulic tank.....129 ltr  
Hydraulic system .....220 ltr  
Fuel tank .....300 ltr  
Engine coolant.....25.0 ltr  
Engine oil .....22.0 ltr  
Swing device .....6.7 ltr  
Travel device (Each side) .....6.8 ltr

### WEIGHTS AND GROUND PRESSURE

| Track width | Operating weight | Ground pressure          |
|-------------|------------------|--------------------------|
| 500 mm      | 20,300 kg        | 0.53 kgf/cm <sup>2</sup> |

### DIGGING FORCES

Bucket digging force\* ..... 12,250 kgf

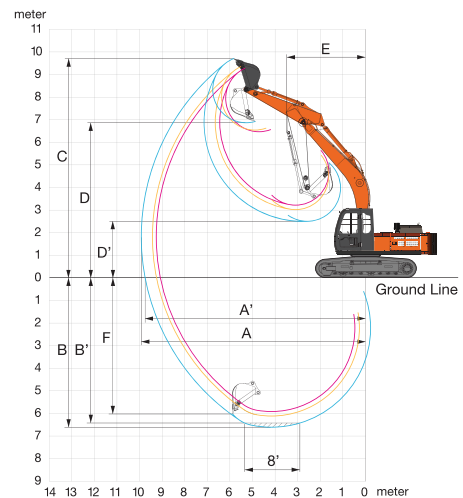
| Arm length          | 2.2 m      | 2.9 m     |
|---------------------|------------|-----------|
| Arm crowding force* | 11,700 kgf | 9,700 kgf |

\* As per ISO standards

### BUCKETS

| Capacity<br>ISO<br>Heaped m <sup>3</sup> | Width (mm)              |                     | Tooth<br>Points<br>(no.s) | Weight<br>(kg) | Max. Material<br>density<br>(kg/m <sup>3</sup> ) | Arm<br>length<br>(m) |
|------------------------------------------|-------------------------|---------------------|---------------------------|----------------|--------------------------------------------------|----------------------|
|                                          | With out<br>Side Cutter | With<br>Side Cutter |                           |                |                                                  |                      |
| 0.91 QR                                  | 1150                    | 1206                | 5                         | 790            | 2000                                             | 2.2                  |
| 1.02 GP                                  | 1200                    | 1310                | 5                         | 810            | 1800                                             | 2.2                  |
| 1.2 ELM                                  | 1263                    | 1373                | 5                         | 848            | 1500                                             | 2.2                  |
| 1.7                                      | 1802                    | -                   | -                         | 799            | 1150                                             | 2.2                  |
| 0.91 GP                                  | 1150                    | 1260                | 5                         | 754            | 1800                                             | 2.9                  |
| 1.5                                      | 1802                    | -                   | -                         | 738            | 1100                                             | 2.9                  |

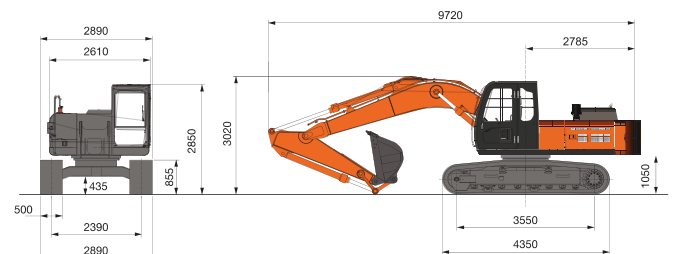
### WORKING RANGES



| Boom length |                                | 5680 |      |
|-------------|--------------------------------|------|------|
| Armlength   |                                | 2200 | 2900 |
| A           | Max. digging reach             | 9250 | 9910 |
| A'          | Max. digging reach (on ground) | 9060 | 9740 |
| B           | Max. digging depth             | 5910 | 6600 |
| B'          | Max. digging depth (8' level)  | 5670 | 6420 |
| C           | Max. cutting height            | 8990 | 9400 |
| D           | Max. dumping height            | 6230 | 6610 |
| E           | Min. swing radius              | 3720 | 3660 |
| F           | Max. vertical wall depth       | 5050 | 5980 |

All dimensions are in mm

### DIMENSIONS



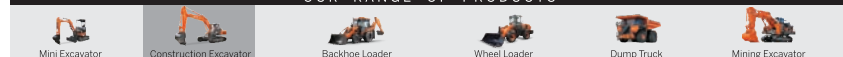
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### OUR RANGE OF PRODUCTS



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.