EX series

HITACHI

Reliable Solutions

Hitachi Construction Machinery Group
LANDCROS
Japanese Excellence—Reliable Solutions

NEW

EX 210 LC PRIME

REMASTER VERSION

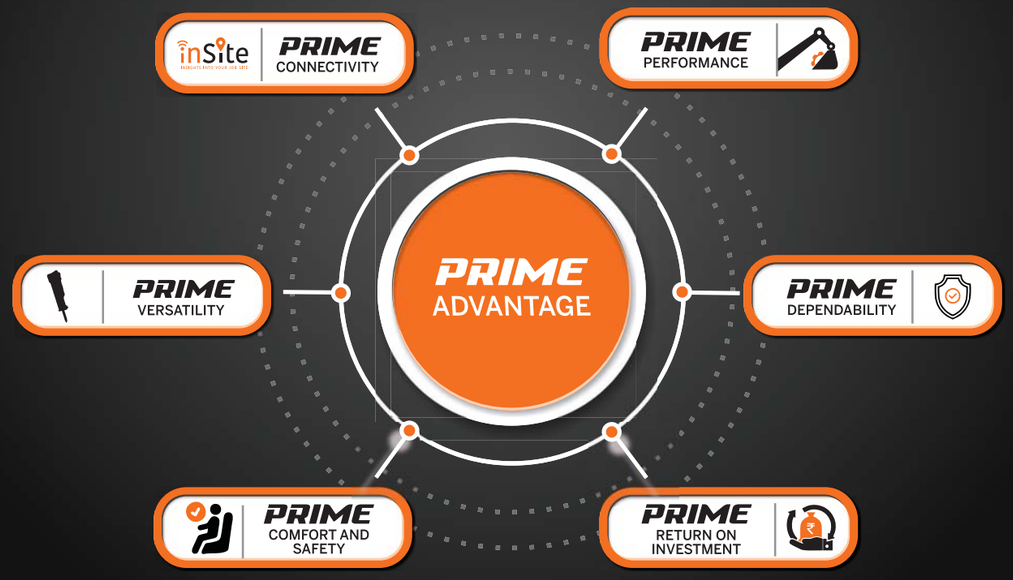
Experience The Prime Advantage



Engine Power : 131 HP @ 2000 rpm | Operating Weight : 20,600 - 20,800 kg | Bucket Capacity : 0.9 - 1.7 m^3

PRIME

Everything you need in your 20 Ton Excavator is Performance, Dependability, Comfort, Safety, Return On Investment, Connectivity and Versatility. Tata Hitachi's EX 210LC 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





Engine

INTELLIGENT ENGINE CONTROL iOHS OPTIMUM HYDRAULIC SYSTEM



Dial type throttle



Hydraulic regeneration system

PRIME DEPENDABILITY

Higher Durability

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



Heavy duty undercarriage



H-link NEW



Strengthened bucket



Higher Reliability

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



Pump



Control valve

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
- 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





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



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



- 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



- Wide range of bucket options
- Bigger buckets
- 0.91 m^3 QR
- 1.02 m^3 GP
- 1.2 m^3 ELM



- HD undercarriage
- HD track chain
- 600 mm / 800 mm track shoe options available

Standard

- Front guard
- LED light
- LCD monitor
- Front wiper
- Sun shade
- Air conditioning
- Auto Idle
- Beeper / Buzzer
- Rear view mirror
- 3 power modes
- USB charging port
- Bluetooth music system
- Battery cut-off switch
- Seat with air lumbar support
- 4G telematics suit (InSite)
- Seat belt with alarm

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





NEW

30% Smoother levers



NEW

Digital monitor

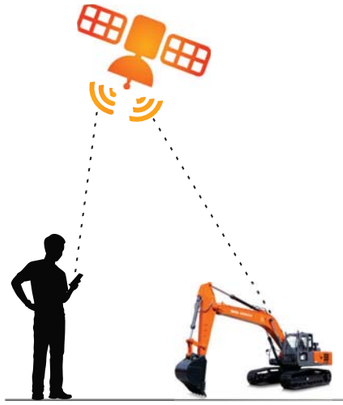


Lumbar support



* Combinations will be based on application suitability and design approval

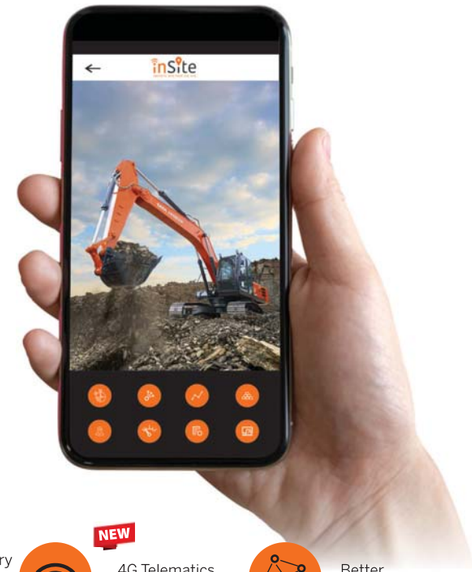
PRIME CONNECTIVITY



inSite

INSIGHTS INTO YOUR JOB SITE

TELEMATICS SUITE
FOR REAL TIME MONITORING



- Ability to track Machine Maintenance Service due date
- Fleet Management
- Overall Fleet Summary in Graphical Widgets (Dashboard)
- NEW 4G Telematics Device
- Better Connectivity
- Fuel Level
- Location, Geo Fencing
- Asset Operation
- Asset Utilisation
- Accessible on Web and App

SUPPORT CHAIN

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



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^2
Swing circuit ..... 275 kgf/cm^2
Travel circuit ..... 350 kgf/cm^2
Pilot circuit ..... 40 kgf/cm^2

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 52
Shoe width ..... 600/800 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
600 mm	20,600 kg	0.45 kgf/cm^2
800 mm	20,800 kg	0.34 kgf/cm^2

DIGGING FORCES

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

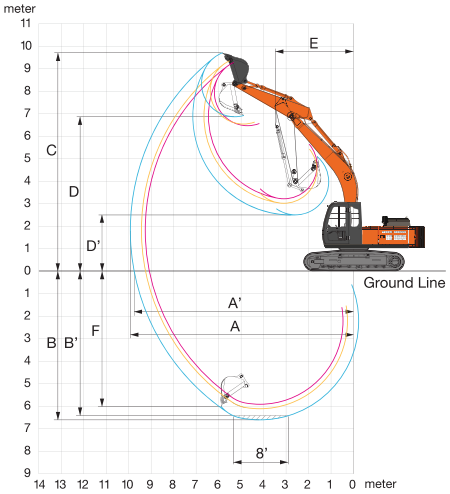
Arm length	2.2 m	2.9 m
Arm crowding force*	11,700 kgf	9,700 kgf

* As per ISO standards

BUCKETS

Capacity ISO Heaped m^3	Width (mm) With out Side Cutter	Width (mm) With Side Cutter	Tooth Points (no,s)	Weight (kg)	Max. Material density (kg/m^3)	Arm length (m)
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

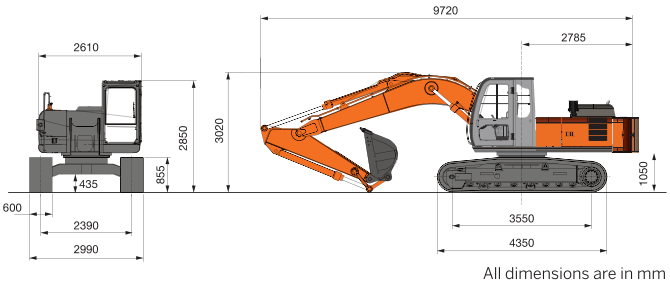
WORKING RANGES



	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



All dimensions are in mm

Authorised Dealer

Hitachi Construction Machinery Asia and Pacific Pte. Ltd.
www.hitachicm.com.sg

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.