

# Our Network ▶



- CORPORATE OFFICE
- MANUFACTURING FACILITY
- ▲ WAREHOUSE
- TATA HITACHI OFFICE
- ▲ DEALER H O
- DEALER OUTLET
- HYDRAULIC WORKSHOP



**Tata Hitachi Construction Machinery Company Private Limited**  
 Registered Office: Jubilee Building, 45 Museum Road, Bangalore, India 560025  
 Telephone: +91 80 6695 3301 / 02 / 03 / 04 / 05 | Toll Free : 1800 121 6633  
 Email: info@tatahitachi.co.in | Website: www.tatahitachi.co.in | [f](#) [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.

THOMEX200LCSUPERV1/18/FEB/2020



**TATA HITACHI**

Reliable solutions

# EXPERIENCE THE POWER OF



**EX200LC**  
*Super*  
 SERIES





<b>Model</b> EX200LC	<b>Engine Power</b> 133 PS @ 2000 rpm	<b>Operating Weight</b> 20,100 kg	<b>Bucket Capacity:</b> 0.86 m <sup>3</sup> - 1.5 m <sup>3</sup>
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## The Super+ Series ▶

### The best just got better!

The Super+ Series is a validation of Tata Hitachi's commitment to improve value to its customers through the use of robust technology. The EX Super+ Series carries on the lineage of the most popular excavator series in India. It embodies practicality, functionality and superior value to its customers. The Super+ Series offers higher fuel efficiency, superior production, lower maintenance costs, higher resale value and robust aggregates, maximising return on investment.

## Key benefits of Super+ Series ▶

-  Higher Operational Speeds
-  Low Fuel Consumption
-  Low Operating Cost
-  Robust & Versatile



Superior hydraulics  
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Unparalleled versatility  
Pg 6-7



Power optimization  
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Efficiency boosters  
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Return on investment  
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# Superior Hydraulics ▶

## Hydraulic System

Hitachi's original technology - the optimum hydraulic system gives high independence to each actuator which allows for easy, smooth and fast combined operations. This translates into superior machine performances in any site condition.

## Fast and smooth combined operations

### Travel & Boom or Arm Operation

Benefits:

- Easy and quick laying and position of pipes
- Safe climbing on sharp slopes
- Easy travel over soft terrain or marshy ground



### Travel & Swing Operation

This ensures:

- Stable straight traveling
- Safe and speedy work at trenching job sites, granite/marble quarries etc.



### Swing & Front-end Operation

This helps in:

- Easy vertical digging
- Efficient digging and loading on to trailers/trucks, thereby reducing cycle times.



High performance hydraulic filter

Absolute type hydraulic return line filter ensures perfect filtration throughout its functioning life, resulting in higher life of hydraulic aggregates.

### Reliable hydraulic aggregates



Hydraulic Pump



Control valve



Swing device



Boom & Arm Regeneration resulting in energy saving

### Hydraulic regeneration :

Enhances attachment speeds while consuming lesser energy, thereby improving efficiency.

## Unparalleled Versatility ▶

EX200LC comes in various tailor made options and is easily customizable for use with multiple attachments and accessories. EX200LC has options of **factory fitted rock breaker piping kits** with high performance return line filter.



EX200LC tunnel excavator is a specialized variant which is capable of working in a smaller radius. This helps translate the productivity of EX200LC in a constrained area through its versatility. It has Optimum Hydraulic System (OHS) that ensures smooth and speedy operations.

### Rock Breakers: New Aicon Super+ Series

1. B215 Super+
2. B235 Super+

#### Improved Durability

- Longer Piston & Damper
- Larger Through Bolt
- Modified Front Cover

#### Higher Performance

- Enhanced Productivity
- Larger Head Cap
- Larger Chisel & Front Head

### Rock Breaker: GH Series

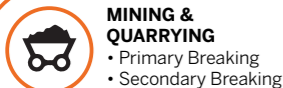
1. GH-9
2. GH-10

#### Features

- Excellent power-to-weight ratio.
- High-impact energy providing greater productivity.
- Unique gas charged piston to give high impact energy with less recoil.
- Quick-change chisel replacement makes it easy to use & reduces down-time.
- Replaceable cylinder sleeve for easy and economical rebuild.
- Simple two-moving-parts designed for greater reliability.



#### APPLICATIONS



### Quick Coupler

#### Twin Lock Power Latch Quick Coupler Features

- Quick Couplers facilitate rapid change of bucket and attachments increasing the equipment utilization and productivity.
- Fully Automatic hydraulic coupler with unique Automatic Blocking System (ABS) eliminates the need for a manually inserted safety pin.
- Twin-locking feature enables front and rear attachment pins mechanically locked, in the event of any hydraulic power loss.
- Strong, durable, high-tensile precision single piece cast steel frame.

- ▶ Attachments can only be removed in a safe, fully crowd-in position.

- ▶ Short Payback period of less than six months.



### Other Range of Attachments & Customization

Multiple Attachments, Unlimited Possibilities



## Power Optimization ▶

### Powerful and Reliable Engine

EX200LC is powered by reliable and fuel efficient engine delivering 133PS @ 2000 rpm. The engine has a proven track record in India & is backed by an extensive support infrastructure.

Dial type of throttle allows the engine rpm to be varied depending on the load requirement and the application, as desired by the operator, leading to fuel savings.

The advanced cyclonic pre-cleaner as standard fitment to ensure longer life of engine. The all new aluminium oil cooler ensures effective cooling, therefore assuring superior performance on the EX200LC.



Reliable & Efficient Engine



Air pre cleaner

Advanced cyclonic pre-cleaner is used to cleanse inlet air of suspended dust particles and water. This feature enhances air filter and engine life.

### Power Mode Selection

EX200LC comes equipped with a mode selection feature. This mode selection feature makes optimum use of the engine power by providing optimum settings to suit the application requirements. With Electronic Engine Control there will be savings in fuel consumption and improved productivity. Depending on the job, the operator can suitably select the mode to match the need, resulting in fuel savings.



Dial type throttle

**EP Mode:** For general excavation jobs.

When the EP mode is selected, engine speed is optimized for fuel savings without compromising on the production.

**HP Mode:** When more power is

needed, the HP mode can be selected to increase the productivity for quicker completion of the job.

*\* The machine will start by default in the EP mode. This feature ensures fuel savings and also enhances the engine life.*

### Auto Deceleration (Default)

This feature automatically reduces engine rpm when either of pilot levers is idle thereby reducing fuel consumption.

### Auto Idle

While the engine continues to idle in auto deceleration rpm, this feature further reduces engine rpm to idle rpm. Hence ensuring more reduction in fuel consumption.



## Efficiency Boosters ▶

Operator safety and comfort has been prioritized in EX200 LC. The ergonomic design provides the operator with ample space, superior visibility and controls at convenient reaches to reduce fatigue. The weight adjustable suspension seat and inner ambiance provides soothing comfort for long hours of productive work.



New premium upholstered interiors



Heat reflective coating on cabin top



New and improved audio player (USB+ FM)

- Heat ingress into the cabin is reduced substantially through several innovative improvements.
- Reduced engine hood height for superior visibility
- Hydra-mounts for cab mounting
- Battery relay protection cover
- InSite enabled (Insights into your job site)
- 2 extra cab lights & Front guard as standard

## inSite

INSIGHTS INTO YOUR JOB SITE

Tata Hitachi's Telematics solution for insights into your job site. Insite helps you with

- Location, Geo Fencing
- Asset Utilization
- Overall Fleet Summary in Graphical Widgets (Dashboard)
- Asset Operation
- Ability to Track Machine Maintenance/ Service Due Date
- Fuel Levels
- Fleet Management



## Return on Investment ▶



## Simplified Maintenance

SUPPORT CHAIN



### Easy Serviceability:

The EX200LC features conveniently located components such as filters & drain hoses. It also features cluster lubrication, longer hydraulic oil & filter changes. These superior design features ensure minimal downtime for maintenance.



Hinged ROC door



Easy to service

- New honeycomb mesh pump side door
- New hinged sleek honeycomb mesh ROC door with lock
- Aluminum ROC for better cooling



**Field Diagnostic Vehicle** is used for quicker after sales support which results in peace of mind through extended warranty. This vehicle is used to transport necessary tools and emergency spare parts.

## Specifications ▶

### ENGINE

Model	Cummins 6BT5.9C
Type	6 cylinder in-line water cooled
Rated fly wheel power	133 PS @2000 rpm
Max. torque	54.8 kgf-m @ 1300 rpm
Batteries	2x12 V

### HYDRAULIC SYSTEM

Main Pumps	2 variable displacements axial piston pumps
Max. oil flow	2 x 221 lpm
Pilot pump	1 gear pump
Max. oil flow	20 lpm

### SUPERSTRUCTURE

Swing speed	13.7 rpm
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### RELIEF VALVE SETTINGS

Implement circuit	285 kgf/cm <sup>2</sup>
Swing circuit	260 kgf/cm <sup>2</sup>
Travel circuit	350 kgf/cm <sup>2</sup>
Pilot circuit	40 kgf/cm <sup>2</sup>

### UNDERCARRIAGE

Travel speeds	0-4.2 kmph
Max. traction force EX200LC Super+	15,300 kgf
Gradeability	35° (70% continuous)
No. of upper rollers	2
No. of lower rollers	8
No. of track shoes	52
Shoe width EX200LC Super+	500 mm

### WEIGHTS AND GROUND PRESSURE

Machine	Operating weight	Ground pressure
EX200LC Backhoe	20100 Kg	0.52 kgf/cm <sup>2</sup>

### DIGGING FORCES

Backhoe			
Bucket digging forces			
Arm length	1.90 m	2.22 m	2.90 m
Arm digging force	12500 kgf	11300 kgf	8800 kgf

### BUCKETS

Backhoe			
Capacity	Width without side cutter	Weight (approx.)	Tooth points
0.86 m <sup>3</sup>	997 mm	993 kg	4
0.91 m <sup>3</sup>	1150 mm	980 kg	5
1.0 m <sup>3</sup>	1256 mm	805 kg	5
1.20 m <sup>3</sup>	1450 mm	690 kg	-
1.5 m <sup>3</sup>	1780 mm	567 kg	-

### SERVICE REFILL CAPACITIES

Hydraulic tank	129.0 ltr
Hydraulic systems	220.0 ltr
Fuel tank	315.0 ltr
Engine coolant	35.0 ltr
Engine oil (sump)	14.0 ltr
Swing device	6.7 ltr
Travel device (Each side)	6.8 ltr

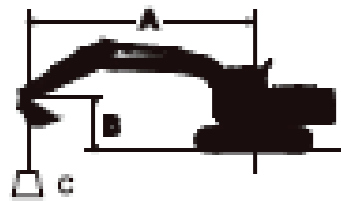
## LIFTING CAPACITIES

Boom 5680 mm, Arm 2220 mm, Bucket 0.91m<sup>3</sup> and 500 mm shoes

Unit: 1.000kg

Load point height m	Load radius m (ft in)											
	3 (9'9")		4 (13'1")		5 (16'5")		6 (19'8")		7 (23'0")		8 (26'3")	
	⊙	⊞	⊙	⊞	⊙	⊞	⊙	⊞	⊙	⊞	⊙	⊞
5							3.71	*4.14				
4			*6.23	*6.23	4.75	*5.21	3.53	*4.66	2.69	4.03		
2					4.23	6.55	3.22	4.91	2.51	3.84	1.99	3.07
0 (Ground)					3.92	6.20	2.99	4.67	2.38	3.88	1.90	2.99
-2			5.57	9.09	3.89	6.16	2.94	4.61	2.33	3.64		
-4	*9.50	*9.50	5.77	*8.01	4.04	6.34	3.08	4.76				

⊙ Rating over-side or 360 degrees    ⊞ Rating over-front

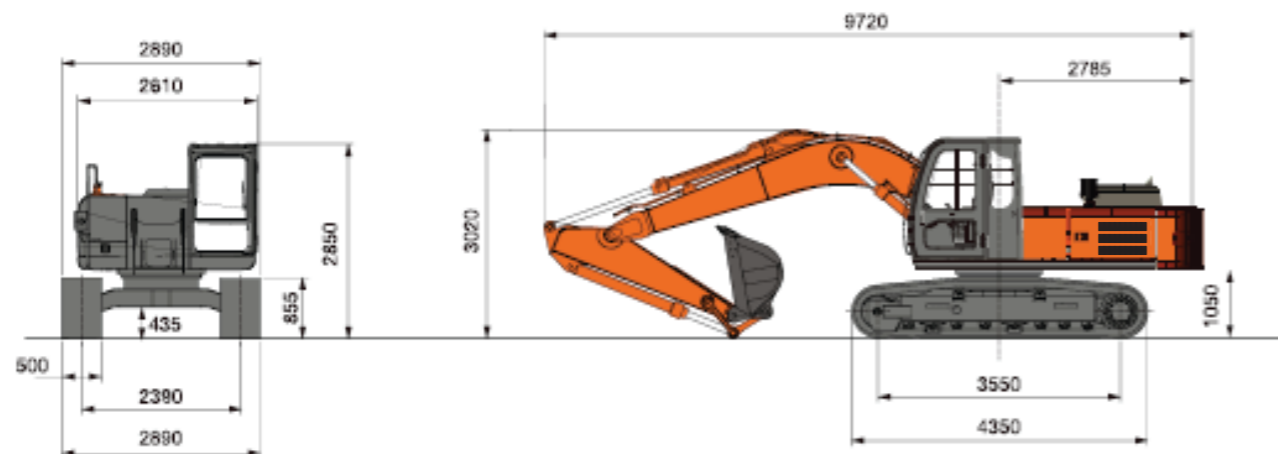


A: Load radius  
B: Load point height  
C: Lifting capacity

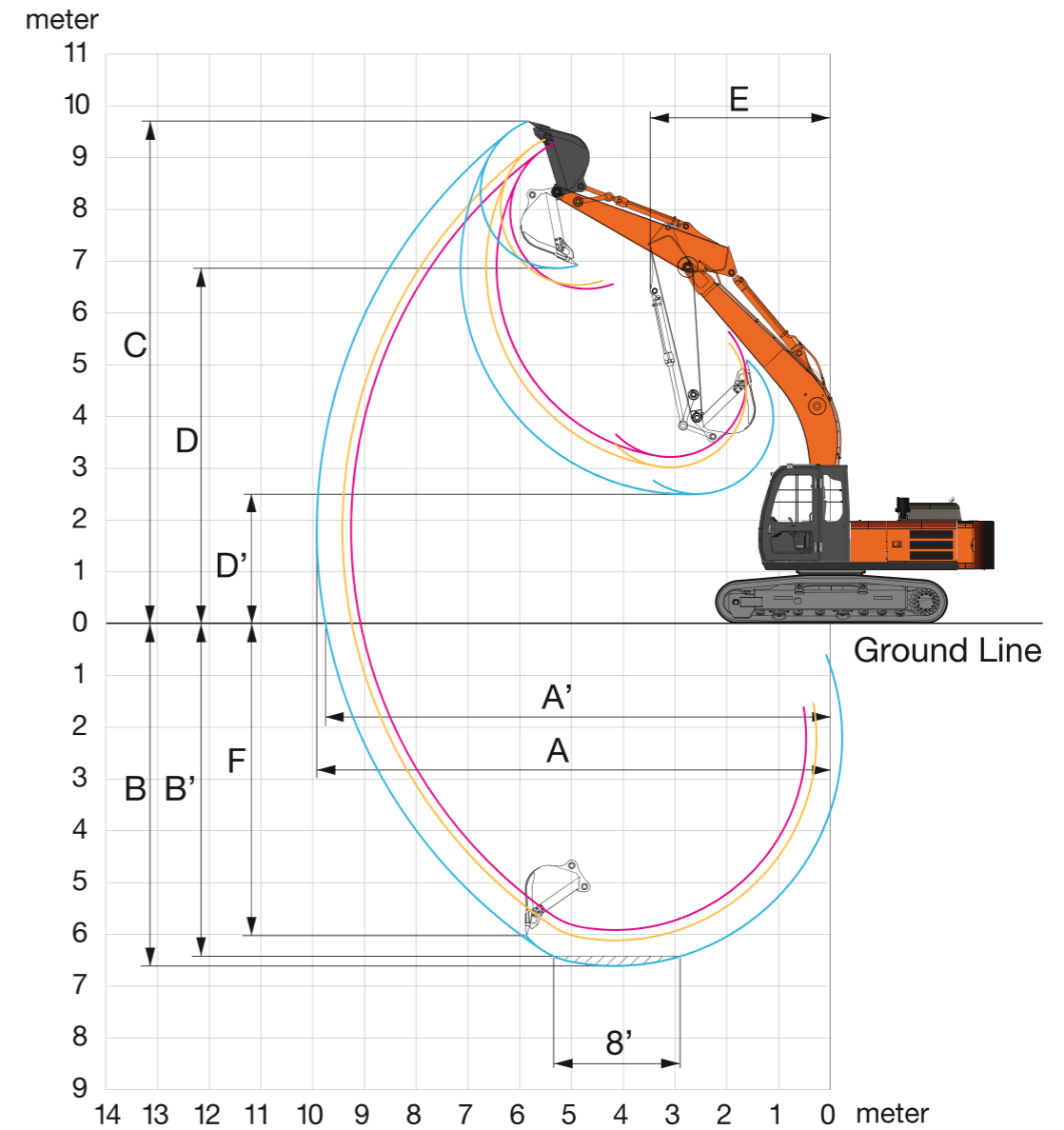
Notes: 1. Ratings are based on SAEJ 1097

- Lifting capacity does not exceed 75% of tipping load with the machine on firm, level ground or 87% full hydraulic capacity.
- The load point is a hook(not standard equipment) loaded on back of the bucket.
- Indicated load limited by hydraulic capacity.

## DIMENSIONS



## WORKING RANGES



## BACKHOE

	Boom length	5680		
	Arm length	1900	2220	2900
A	Max. digging reach	9110	9250	9910
A'	Min. digging reach (on ground)	8920	9060	9740
B	Max. digging depth	5580	5910	6600
B'	Max. digging depth (8' level)	5340	5670	6420
C	Max. cutting height	9340	8990	9400
E	Max. dumping height	6480	6230	6610
E'	Min. swing radius	4010	3720	3660
F	Max. vertical wall depth	4950	5050	5980

All dimensions are in mm