

EX series

TATA HITACHI

Reliable solutions

EX 200LCi

The Most Popular Excavator



HYDRAULIC EXCAVATOR

Engine Power : 125 PS @ 2000 rpm

Operating Weight

Backhoe : 20000 kg

Shovel : 20150 kg

Bucket Capacity

Backhoe : 0.8 - 0.91 m³

Shovel : 1.2 m³

Now
with
Auto Idle

2500
Hrs
Hydraulic Oil Change Interval

SPECIFICATIONS

ENGINE

Model.....Cummins 6BT5-9C
 Type.....6 cylinder in-line water cooled
 Rated fly wheel power.....125 PS @ 2000 rpm
 Max.torque.....54.3 kgf-m @ 1300~1400 rpm
 Batteries.....2 X 12 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

RELIEF VALVE SETTINGS

Implement circuit.....285 kgf/cm²
 Swing circuit.....285 kgf/cm²
 Travel circuit.....350 kgf/cm²
 Pilot circuit.....40 kgf/cm²

UNDERCARRIAGE

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

SERVICE REFILL CAPACITIES

Hydraulic tank.....129.0 ltr
 Hydraulic system.....220.0 ltr
 Fuel tank.....310.0 ltr
 Engine coolant.....30.0 ltr
 Engine oil (Sump).....14.0 ltr
 Swing device.....7.5 ltr
 Travel device (Each side).....5.5 ltr

WEIGHTS AND GROUND PRESSURE

Machine	Operating weight	Ground pressure
Backhoe	20,000 kg	0.52 kgf /cm ²
Shovel	20,150 kg	0.52 kgf /cm ²

DIGGING FORCES

BACKHOE

Bucket digging forces.....11000 kgf

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

SHOVEL

Arm crowding force.....12500 kgf
 Bucket breakout force.....16400 kgf

BUCKETS

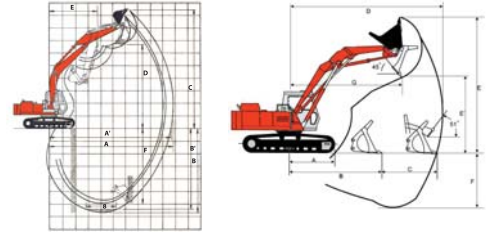
BACKHOE

Capacity	Width without side cutter	Weight (approx.)	Tooth points
0.80 m ³	997 mm	902 kg	4
0.91 m ³	1150 mm	741 kg	5
1.20 m ³	1450 mm	690 kg	-

SHOVEL

Capacity	Inner width	Outer width	Weight
1.2 m ³	1500 mm	1570 mm	900 kg

BACKHOE AND SHOVEL ATTACHMENT



WORKING RANGES

BACKHOE

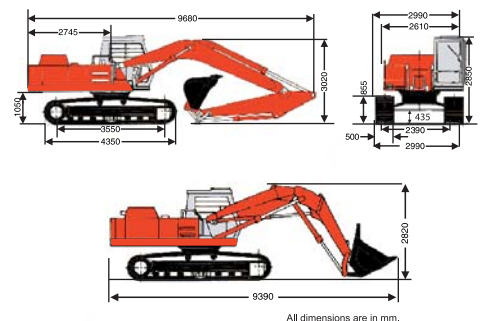
	Boom length	5680		
	Arm length	1900	2220	2900
A	Max. digging reach	9110	9250	9910
A'	Max. digging reach (on ground)	8920	9060	9740
B	Max. digging depth	5580	5910	6600
B'	Max. digging depth (8' level)	5340	5670	6420
C	Max. cutting height	9340	8990	9400
D	Max. dumping height	6480	6230	6610
E	Min. swing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

SHOVEL

	Boom length	3100
	Arm length	2850
A	Min. digging distance	2575
B	Min. level crowding distance	4340
C	Level crowding distance	2580
D	Max. digging reach	7200
E	Max. cutting height	6390
E'	Max. dumping height	3600
F	Max. digging depth	2450
G	Working radius at max. dumping height	5200

All dimensions are in mm

DIMENSIONS



All dimensions are in mm.

The 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

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