

THE NXT LEVEL

Engine Power : 104 KW (140 hp), Bucket Capacity : 0.9 cu.m GP / 0.9 cu.m (HD)
Operating Weight : 21,250 Kg (LC)

JCB

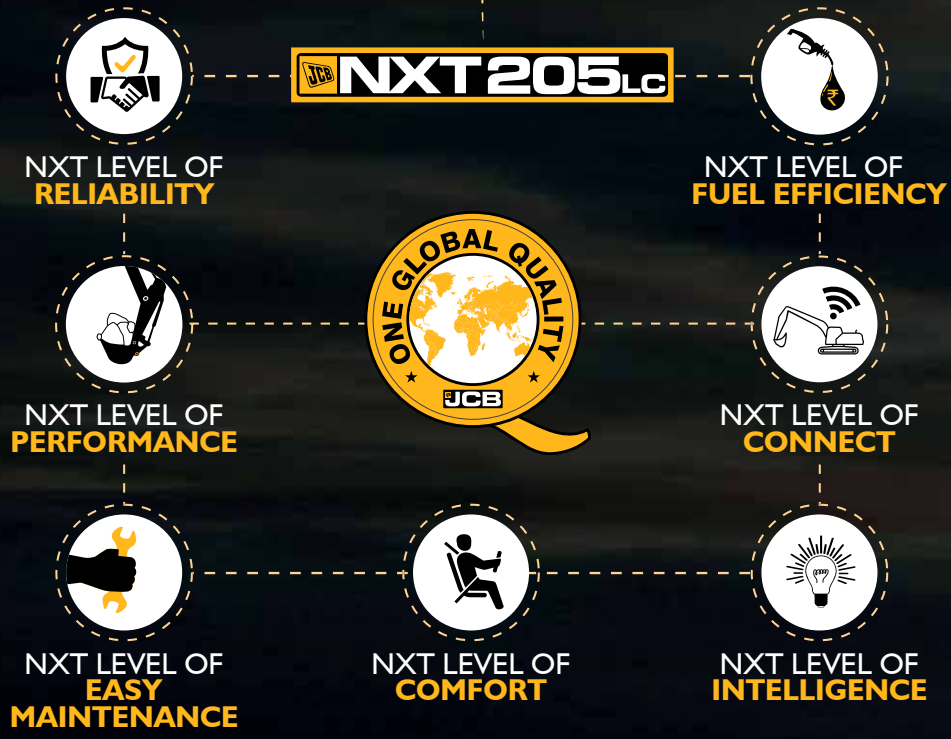
Take your business to THE NXT LEVEL, with the JCB NXT 205LC Tracked Excavator.

JCB presents the JCB NXT 205LC Tracked Excavators, Powered by IntelliControl and technology to take your business to the NXT level. IntelliControl is a new intelligent way to offer excellent fuel efficiency and productivity, as required by the user, with utmost ease of use and control on the machine operation, maintenance and safety. IntelliControl offers 3 power modes, across 10 engine speed bands and takes best in class fuel efficiency to the NXT level.

With improved reliability and durability, the JCB NXT 205LC comes with an advanced telematics system - JCB LiveLink, which is CAN based technology that keeps you connected for total control over machine improving your business efficiency.

Backed by industry's finest customer support network, always look for a better way with JCB.

Take your business to THE NXT LEVEL, with the new JCB NXT 205LC Tracked Excavators.



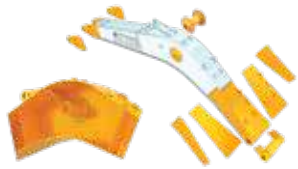
NXT LEVEL OF RELIABILITY

STRENGTH INSIDE AND OUTSIDE.

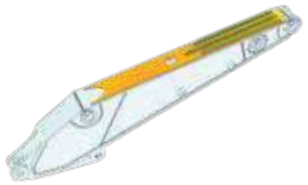
Deep section boom design.

Cast pivot ends.

Strengthened foot box and cylinder pivot section.



Reinforced arm with additional full length strengthening plate.



Heavy-duty undercarriage for longer life.



Heavy-duty LC X-Frame.

Strengthened idler and top section.



Proven hydraulic components and filtration system for longer life.



Strong heavy-duty bucket (0.9 cu.m).



NXT LEVEL OF PRODUCTIVITY

GET NXT LEVEL OF PERFORMANCE WITH NEW POWER MODES FOR UNMATCHED OUTPUT.

3 POWER MODES

3 User friendly modes

Power		Usage
P+	Power Plus	Provides maximum output. Suitable for high output in heavy-duty strata.
P	Power	For high output needs.
eco	Economy	For general duty operations & low fuel consumption.

XCELLENT DIGGING

Excellent bucket and arm tear-out forces resulting higher output.

10 WORKING MODES

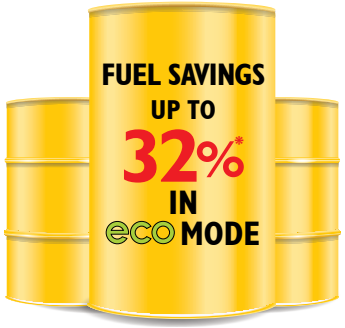
High swing speed of 13 rpm with swing torque of 65.2 kNm helps in completing the digging cycle in less time while increasing overall productivity.



JCB POWER+ MODE

NXT LEVEL OF EFFICIENCY

THE BEST-IN-CLASS EFFICIENCY WITH ENERGY SAVING ecoHYDRAULICS OFFERS NXT LEVEL OF SAVINGS.



ecoHYDRAULICS minimise the hydraulic losses resulting in enhanced fuel efficiency, thus increasing savings.



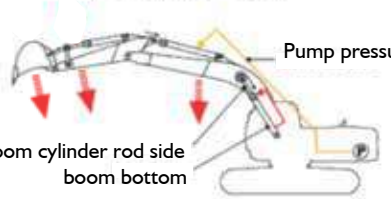
JCB DYNAMIC EFFICIENCY

Optimises engine and hydraulic power to maximise fuel savings.



Auto idler reduces engine speed automatically when machine is not at work, thus saving fuel.

Regenerative hydraulic system



Regenerative circuits for higher operating speeds

*T&C Apply.

NXT LEVEL OF INTELLIGENCE

INTELLI CONTROL IS A NEW INTELLIGENT WAY TO OFFER EXCELLENT FUEL EFFICIENCY AND PRODUCTIVITY WITH THE UTMOST EASE OF USE AND CONTROL.

INTELLI CONTROL

Operational information

- Quantity of fuel left in tank
- Engine speed & operating mode status
- Trip meter
- Auto idle status & time setting
- Machine operating parameters



- Rear view camera option
- Breaker hour meter

Maintenance information

- Maintenance due information
- Colour coded health alerts based on severity
- Hour meter, counting of attachment operation
- Easy diagnostic system
- Service warning alerts

NXT LEVEL OF CONNECT

NOW BE ASSURED OF YOUR JCB EXCAVATOR'S SERVICE, OPERATION AND SECURITY WITH THE ADVANCED TELEMATICS SYSTEM CALLED LIVELINK.

LIVELINK

Stay connected 24x7

Security

- Alerts in case the machine is used outside the set hours
- Geofencing alerts

Reports & alerts

- Customised reports on machine performance
- Easier fleet management
- Periodic reports

Safety

- Engine high rpm shut down report
- Long engine idling report
- Critical health alerts

Operation & performance monitoring

- Idle time monitoring
- Instantaneous fuel level monitoring
- Working hour monitoring

Proactive maintenance & usage

- Maintenance reminders.



NXT LEVEL OF EASY MAINTENANCE AND SAFETY

THE JCB NXT 205LC ENSURES EASE OF MAINTENANCE AND ALERTS ON DISPLAY.

Class-leading maintenance interval

Service intervals on bucket operation	
Hydraulic oil	Every **5,000** hours
Hydraulic oil filters	Every **1,000** hours



Graphite infused bush for 1000 hours greasing at boom ends

Critical health alerts

Battery disconnect switch

Service due reminder

Radial seal air filter

First-in-class safety features

Breaker use alert

Selectable swing lock

hydraulic accumulator

2 Go system

Hydraulic interlock to start the engine

Engine & hydraulic overheat safety system



Alerts about high engine coolant temp, low engine oil pressure & high hydraulic oil temperature.



Wire mesh guard on the cooling pack to prevent entry of debris or other objects.



Compact size engine bonnet helps in easy and effortless handling during the maintenance.



Battery disconnect switch helps to isolate the machine's electric system easily, whenever required.



Advanced self-diagnosis system with error codes and multi-coloured warning alerts for easy and quick maintenance.



Display of all critical parameters accessed through internal menu for easy health monitoring.

NXT LEVEL OF COMFORT

A COMFORTABLE OPERATOR IS A PRODUCTIVE OPERATOR.



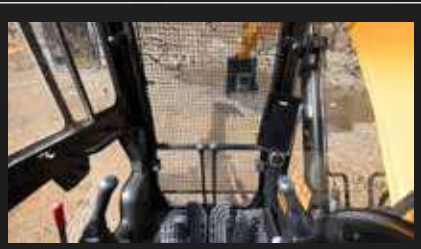
Rotary switch controls.



Powerful AC cabin.



Thin and low effort joystick.



Better ventilation and visibility.



Easy to open roof hatch assisted helps to keep the cab well ventilated.

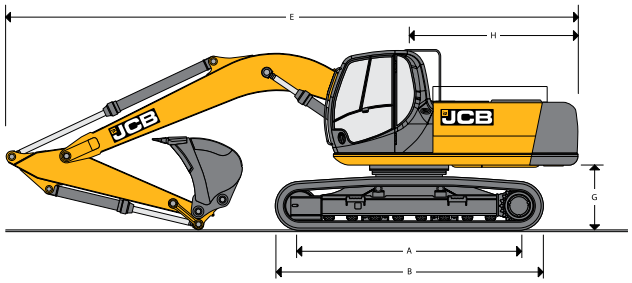


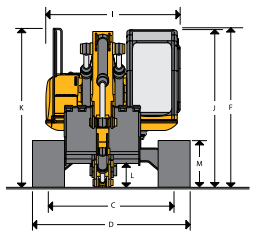
5 Working lights for better illumination and help the operator to work efficiently.



6 nos. viscous mounts to absorb vibration that ensures comfort for the operator.







WEIGHT AND GROUND BEARING PRESSURE

Standard machine with bucket, operator, full capacity lubes and fuel

	JCB NXT 205LC
Max operating weight	21,250 kg
Ground bearing pressure	0.58 kg / sq cm

STATIC DIMENSIONS		JCB NXT 205LC (LC track, 500 mm track shoe)	
		2.4 m arm	3 m arm
A	Track length on ground	3660	3660
B	Undercarriage overall length	4460	4460
C	Track gauge	2390	2390
D	Width over tracks	2890	2890
E	Transport length with mono boom and arm	9634	9562
F	Transport height with mono boom and dipper	3122	3122
G	Counterweight clearance	1079	1079
H	Tailswing radius	2825	2825
I	Width of superstructure	2549	2549
J	Height over cab	3060	3060
L	Ground clearance	435	435
M	Track height	885	885

WORKING RANGE



Boom length 5.7 m		Arm length	
Arm	**Unit**	**2.40 m**	**3.00 m**
Maximum digging reach	mm	9398	9896
Maximum digging reach (on ground)	mm	9210	9717
Maximum digging depth	mm	6135	6732
Maximum digging height	mm	9128	9224
Maximum dumping height	mm	6359	6486
Maximum vertical wall cut depth	mm	5567	6058
Minimum swing radius	mm	3835	3798
Bucket rotation	deg.	177	177
Dipper tearout (ISO)	kgf	11832	9845
Bucket tearout (ISO)	kgf	13460	13460

ENGINE

Model	:	Cummins 6 BT 5.9C
Gross Power	:	140 HP @2000 rpm
Piston displacement	:	5.88 litres.

TRACK DRIVE

Gradeability	:	70% (35 deg.) continuous
Travel speed	:	3.8 kmph
Tractive effort	:	170 kN

EXCAVATOR BUCKET

Bucket	Toe plate width (mm)
0.9 cu.m (GP)	1180
0.9 cu.m (HD)	1222
1.02 cu.m (GP)	1320
0.8 cu.m (Rock)	1144

UNDERCARRIAGE

	JCB NXT 205LC
Track Shoe	500mm (standard)
Upper & lower rollers	Heattreated, sealed and lubricated.
Track adjustment	Sealed and lubricated, with spring enhanced recoil.
No. of track guides	2 per side
No. of lower rollers	8 Per side
No. of upper rollers	2 per side
No. of track shoes	49 per side

SERVICE CAPACITIES

Fuel tank	343
Engine coolant	25.5
Engine oil	19
Hydraulic system	260
Hydraulic tank	120
Swing device	5
Travel device	2 x 5

SWING SYSTEM

Swing motor	:	Axial piston type.
Swing brake	:	Hydraulic braking, electrically operated spring applied disc type parking brake.
Final drive	:	Planetary reduction.
Swing torque	:	65.2 kNm
Swing gear	:	Large diameter, internally toothed fully sealed grease bath lubricated.
Swing speed	:	13.0 RPM

HYDRAULIC SYSTEM

3 Work modes: eco, Power & Power+

Pumps

Main pumps	:	2 variable displacement axial piston type.
Maximum flow	:	2 x 220 L/min
Servo pump	:	Gear type.
Maximum flow	:	20 L/min

Control valve

Relief valve settings

Boom / Arm / Bucket	:	343 bar
Swing circuit	:	289 bar
Travel circuit	:	343 bar
Pilot control	:	40 bar
Main control valve	:	9 Spool

TRAVEL SPEED & TRACTIVE EFFORT

Travel speed	3.8 kmph
Tractive force	170 kN

STANDARD EQUIPMENT

FM Radio and USB music player with speakers
Auto-Idler
Work lights: 2 nos. on booms and 1 no. on mainframe
Additional lights; 2 nos. on cab & 1 no. on counterweight
Windscreen wiper
Engine fan guard
Undercarriage belly guarding
Upper structure under covers
Engine pre-cleaner
Double element radial type air cleaner with wire mesh protection
Heavy-duty alternator (75 amp)
Cabin fan
Suspension seat
Cab floor mat
Rubber covered track pedals
Removable front lower cab glass
Hammer pipe mounting brackets
Tool Kit
Handrail and non-slip walkways
Radiator fly screen
LiveLink
Cabin guard (Front)
Laminated glass on front and right hand side of cabin

OPTIONAL EQUIPMENT

Fully ducted air conditioning unit
Cabin guard (Top)
Rock breaker
Rock breaker pipework.
General-purpose bucket (0.9 cu.m)
Heavy-duty bucket (0.8 cu.m)
First aid kit
Fire extinguisher
Cab sun screen
Refuel pump

FILTRATION SYSTEM

In-tank : 150 microns, suction strainer

Main return line : 10 microns, fibre form element

Pilot line : 10 microns, paper element

Hydraulic hammer return : 5 microns, reinforced microform element.

"All dimensions, weights, timings, features & measurements mentioned in the brochure could have variance. JCB reserves the right to change specifications without prior notice."

*"Standard warranty is catalogue specific, not applicable on all variants"

NEPAL'S BEST & LARGEST NETWORK



- 12 BRANCHES
- 15 AUTHORIZED RETAIL OUTLETS
- 4 RESELLER
- 7 UPCOMING AUTHORIZED RETAIL OUTLETS

31+ outlets | 230 + service Engineers | Hotline Service | LIVELINK Stay Connected 24x7 | 52+ crore Parts stock

NXT LEVEL OF PARTS SUPPORT

JCB ATTACHMENTS

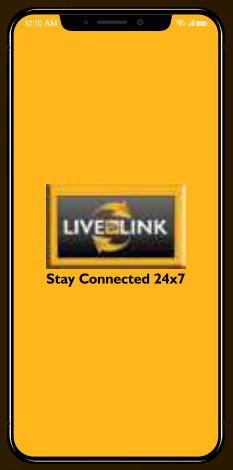
JCB Attachments make your Machines versatile which helps maximise utilisation of your machines. It helps in increasing overall efficiency, productivity and profitability of your Machine. Our specialised team of advisors are always looking to serve you in multiple ways to help you with the best Attachment options for your industry specific requirements.

JCB LUBRICANTS

Certified by our expert panel of JCB designers and engineers, the exclusive range of JCB Lubricants ensure that your Machine's Engine, Transmission, Hydraulic System, Attachments and other key components remain fully protected from heat resulting from friction and other harsh work environment impacts. Being compatible with JCB Machines, the range of JCB Lubricants assure better life for all JCB Genuine Parts.

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