

NEW JCB NXT 225LC M

INTELLI
CONTROL



THE NXT BEST

Engine Power : 110 kW (148 hp) | Bucket Capacity : 0.9 cu.m - 1.05 cu.m | Operating Weight : 22.2 Tonne



THE NXT BEST



Heavy-Duty
Dig-End for Next Level
of Durability



Excellent Block Handling
Capability in Marble &
Granite Application



Ecohydraulic and 10
Working Modes for State
of Art Fuel Economy



110 kW (148 hp)
Cummins Engine with Simple
In-Line Fuel Injection System



Extended Service Interval
Engine Oil : 500 hours,
Hydraulic Oil : 5000 hours



Advanced Telematics: JCB
LiveLink 4.0 for Enhanced Uptime.
Stay Connected 24x7

THE NXT BEST

THE NXT BEST IN PRODUCTIVITY

Powered by simple in-line fuel injection system engine, for long and easy maintenance, high fuel efficiency and uptime.

STRENGTH INSIDE AND OUT.

Proven hydraulic components and fabrications for longer life and lower cost of ownership.



THE NXT BEST IN INTELLIGENCE

JCB NXT 225LC M Excavator is powered by IntelliControl which offers 3 power mode and 10 working modes for excellent fuel efficiency. JCB LiveLink 4.0, which keeps you updated about machine health, maintenance and security 24x7.



THE NXT BEST IN EFFICIENCY

Auto idler reduces engine speed automatically when machine is not at work, thus saving fuel. JCB's regeneration system recycles hydraulic oil, for faster cycle times and low fuel consumption.



THE NXT BEST IN COMFORT

The JCB NXT 225LC M Excavator has one of the most comfortable cabs on the market with mechanical suspension seat and air conditioning.



THE NXT BEST IN RELIABILITY

The JCB NXT 225LC M Excavator comes with reinforced structure, deep section design Boom and Arm with casted pivots, Longer undercarriage with reinforced Idler area and more.

ENHANCED PRODUCTIVITY

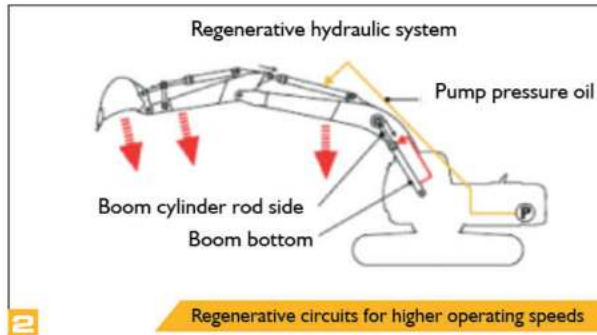
1 Cummins 6BTAA 5.9 engine produces 148 hp @2000 rpm while providing excellent torque of 626Nm @ 1500 rpm. This results in excellent ability to dig in tough strata and high output.

2 Hydraulic regeneration system on boom, arm & bucket operation recycles hydraulic oil across the cylinders for faster cycle times and reduced overall fuel consumption.

3 JCB NXT 225LC M Excavator is powered by IntelliControl which offers 3 power mode and 10 working modes for excellent fuel efficiency.

4 A massive 14360 kg of bucket tearout force helps in high output even in tough strata.

5 The machine is equipped with power boost which increases hydraulic system pressure by 9% to provide higher digging forces and lifting capacity.



Power mode		Usage for
P+	Power plus	For 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



UNMATCHED FUEL EFFICIENCY

1 Cummins 6BTAA 5.9 engine provides high fuel efficiency and generates high torque at low speed to suit the job needs.

Simple inline fuel injection system for longer life easy maintenance and high fuel efficiency.

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

3 eco hydraulics have been designed to make the hydraulics more efficient by reducing losses in the system. This helps in reducing fuel consumption and thus providing savings in fuel cost.



ENHANCED COMFORT AND EASE OF USE

A COMFORTABLE OPERATOR IS A PRODUCTIVE OPERATOR.

- 1 The cabin is of pressed steel construction with large internal space and excellent overall visibility. The cab is mounted on viscous mounts to absorb vibrations.
- 2 The roof hatch is provided to keep the cab well ventilated which is aided by a rear sliding window. Front lower glass can be removed for better ventilation.
- 3 Air-conditioner with cooling and heating function, auto temperature control feature keeps the cab to comfortable temperature level in hot & cold weather conditions.
- 4 The deluxe operator seat provides a high level of seating comfort. While the seat is adjustable for weight, seating angle, forward and backward movement and back rest angle, it can be moved along with the joystick to ensure best position of operator with respect to the controls for a fatigue free operation.
- 5 High visibility for working at height through additional glass provided in front of the cab.
- 6 Low engine noise levels for enhanced operator comfort for long working hours.



SAFE WORKING ENVIRONMENT

- 1 Safety lever lock fully isolates hydraulic functions to avoid unintended movements. Our 2GO system means the servo isolator lock can be released only with two separate inputs.
- 2 To ensure safe start of the machine, the engine can be started only when the servo isolator lock is on. An emergency stop switch is provided to switch off the engine immediately, if required.
- 3 The steps and platforms have anti-slip punched steel plates for optimum grip even in wet conditions. Bolt-on plates have recessed bolts to reduce trip hazards.
- 4 The cab has a large glass area and low bonnet line for superb visibility.
- 5 The JCB NXT 225LC M Excavator is equipped with a full set of side and rear view mirrors for all round visibility and safety.
- 6 Belly guards are fitted on the lower frame to protect damage to rotary coupling and hoses.
- 7 A mesh guard is fitted as a standard to protect the cab front glass from any damage.
- 8 The JCB NXT 225LC M Excavator provides a well illuminated work site with 2 lights on the boom, 2 on the cab top, 1 on the upper frame and 1 on the counterweight enabling 24x7 operations.



EASE OF MAINTENANCE

THE DESIGN OF JCB NXT 225Lc M EXCAVATOR ENSURES EASE OF MAINTENANCE AND ALERTS ON DISPLAY WITH WHICH YOU CAN PLAN THE MAINTENANCE IN ADVANCE. GET THE NXT LEVEL OF MORE UPTIME, HIGHER MACHINE UTILISATION AND QUICK SERVICEABILITY.

1 The engine bonnet is compact and opens front-to-rear for easy and safe engine service access. It is supported by gas strut which reduces effort of opening and closing the bonnet.

2 Side by side coolers are easy to access for cleaning. A hinged condenser unit provides direct access to the coolers for cleaning.

3 Refuel pump makes fuel refilling easy, quick and hassle free.

4 Filters are grouped together in pump bay for fast and easy on ground service.

5 Smart control system closely monitors the machine and assists in pre-start checks. It also tracks important parameters during machine operation, while providing the following information:

Next service due	Engine oil change
Low engine oil level	High hydraulic oil temperature
Low coolant level	High engine temperature
Water in fuel	Low engine oil pressure
Low fuel level	Air filter clog



JCB LiveLink 4.0

INTRODUCING THE NEXT GENERATION

ADVANCED TELEMATICS TECHNOLOGY- JCB LIVELINK 4.0

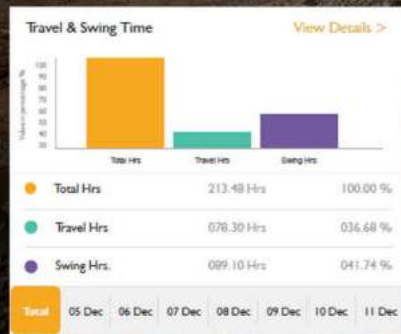


MAXIMISE **UPTIME**

MAXIMISE **PRODUCTIVITY**

OPTIMISE **COST**

MAXIMISE **PROFITABILITY**



ENHANCED CARE

GIVE YOUR MACHINE EXTENDED WARRANTY AND CARE.

- JCB Careplus is an extended warranty programme that comes into effect after the machine's standard warranty expires.
- JCB Careplus can be purchased within the 1st year from the sale of the machine.
- The programme offers you peace of mind and saves your maintenance cost even after your machine's standard warranty expires.



Extended
Warranty
Programme



BENEFITS OF JCB CAREPLUS

<p>No limits on number of claims</p>	<p>Preventive maintenance service*</p>	<p>Nationwide coverage*</p>
<p>JCB skilled manpower support</p>	<p>Maximum productivity</p>	<p>Maximum uptime</p>
<p>Maximum performance</p>	<p>Breakdown cost protection</p>	<p>Better resale value</p>

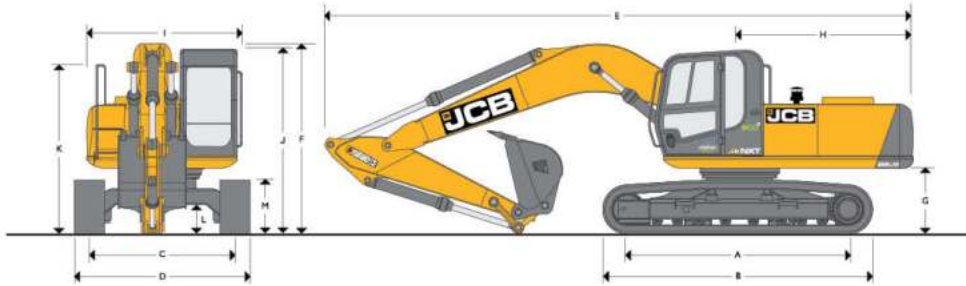
Extended warranty and full maintenance contract packages are not the part of the standard warranty.

*Applicable on Powertrain aggregates only. T&C Apply.

TOTAL PEACE OF MIND

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Don't forget to ask your sales executive for an Extended Warranty & Full Maintenance On-site Contract on Power Train for your machine.



STATIC DIMENSIONS

A	Track length on ground	m	3.71
B	Undercarriage overall length	m	4.47
C	Track gauge	m	2.40
D	Width over tracks	m	2.99
E	Transport length with mono boom and arm	m	9.65
F	Transport height with mono boom and dipper	m	3.18
G	Counterweight clearance	m	1.00
H	Tail swing radius	m	2.82
I	Width of superstructure	m	2.56
J	Height over cab	m	3.00
K	Height over handrail	m	2.75
L	Ground clearance	m	0.46
M	Track height	m	0.85

WORKING RANGE

	unit	Arm length	
		2.40 m	3.00 m
Boom length 5.7 m			
Dipper			
Maximum digging reach	m	9.40	9.89
Maximum digging reach (on ground)	m	9.21	9.72
Maximum digging depth	m	6.14	6.73
Maximum digging height	m	9.13	9.22
Maximum dumping height	m	6.36	6.49
Maximum vertical wall cut depth	m	3.85	6.06
Minimum swing radius	m	5.57	3.80
Bucket rotation	deg.	183	182
Dipper tearout (ISO6015)	kgf	11700	9842
Dipper tearout with boost	kgf	12723	10703
Bucket tearout (ISO6015)	kgf	13205	13205
Bucket tearout with boost	kgf	14360	14360

ENGINE

Model	: Cummins 6BTAA 5.9
Gross Power	: 110 kW (148hp)@2000 rpm
Piston displacement	: 5.9 L

TRACK DRIVE

Gradeability	: 70% (35 degree) continuous
Travel speed	: High - 5.5 km/h, Mid - 3.2 km/h, Low - 2.3 km/h
Tractive effort	: 197.8 kN (20170 kgf)

UNDERCARRIAGE

Track Shoe	600mm (standard)
Upper & lower rollers	Heat-treated, sealed and lubricated.
Track adjustment	Sealed and lubricated, with spring enhanced recoil. Grease cylinder type.
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	L	343
Engine coolant	L	25.5
Engine oil	L	19
Hydraulic system	L	260
Hydraulic tank	L	120
Swing device	L	5
Travel device	L	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.
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Maximum flow	: 2 x 220 L/min
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Servo pump	: Gear type.
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Maximum flow	: 20 L/min
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Control valve

Relief valve settings

Boom / Arm / Bucket	: 343 bar
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Power boost	: 373 bar
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Swing circuit	: 289 bar
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Travel circuit	: 343 bar
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Pilot control	: 40 bar
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Main control valve	: 9 Spool
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WEIGHT AND GROUND BEARING PRESSURE

Maximum operating weight	22.2 Tonne
Ground bearing pressure	0.49 kg/sq.cm

POWER BOOST

Dipper tearout maximum	12723 kg
Bucket tearout maximum	14360 kg

STANDARD EQUIPMENT

- Auto Idler
- Work lights : 2 each on boom and 1 on mainframe
- Additional lights : 2 nos. on cab & 1 no. on counterweight
- Windscreen wiper
- Engine fan guard
- Undercarriage belly guard
- Active pre-cleaner
- Suspension seat
- Removable front lower glass in cab.
- Rock breaker pipe mounting brackets
- Tool kit
- Handrail and nonslip walkways
- FM radio and USB music player with speakers
- Mirrors on cab grab rail, right hand rail and counterweight
- Heavy-duty track motor cover plate
- Engine emergency stop system
- Heavy-duty idler frame
- Cab front grill
- Tempered glass on front and right hand side of cabin
- JCB LiveLink 4.0

OPTIONAL EQUIPMENT

- Cabin top guard
- Rock breaker - HM2180HD and HM2160HD
- Rock breaker pipework
- General-purpose buckets (0.9 cu.m, 1.02 cu.m, 1.15 cu.m, 1.2 cu.m)
- Heavy-duty buckets (0.9 cu.m, 1.02 cu.m)
- First aid kit
- Long reach attachment (15m)
- 3m arm
- Coal bucket (1.7 cu.m)
- Waste handling bucket (1.2 cu.m)
- Heavy-duty front & top cab guard