

NEW JCB 225Lc

eco+



ALWAYS READY TO PERFORM

Engine Power : 170 hp (127 kW) | Bucket Capacity : 0.9 cu.m - 1.2 cu.m | Operating Weight : 21750 kg



The All New JCB 225Lc eco+ Excavator

The all-new resilient JCB 225Lc eco+ Excavator is born to perform in the most demanding sites and application that too with the efficiency that saves you more. The performance is reinforced with our engineering and technological brilliance that gives you dependable reliability and productivity with segment first features like LiveLink. The proven JCB ecoMax engine's consistent performance helps you achieve 7%* more fuel efficiency and savings of up to ₹7,00,000* in four years over the previous model. At JCB we strive to exceed customer expectation and intend to offer industry's finest aftermarket support that is backed by 750+ dealer outlets and 5000+ service engineers.



SAVE UP TO
₹7,00,000*
IN FOUR YEARS



*Against the outgoing JCB225 LC, tested under controlled environment. T&C Apply.



RUGGED & ROBUST
STRUCTURE



RELIABLE &
PRODUCTIVE



DYNAMIC FUEL
EFFICIENT TECHNOLOGY

JCB225Lc eco+



EXTENSIVE CUSTOMER
SUPPORT



STAY CONNECTED
24x7

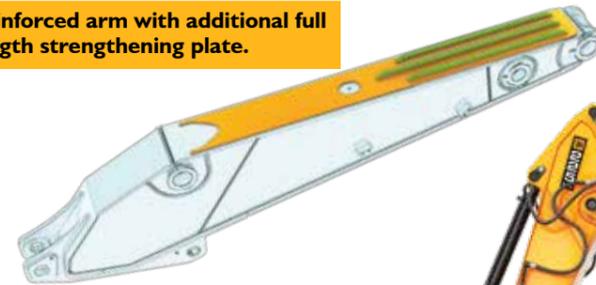


SMART
CONTROL

RUGGED & ROBUST STRUCTURE

STRENGTH INSIDE AND OUTSIDE.

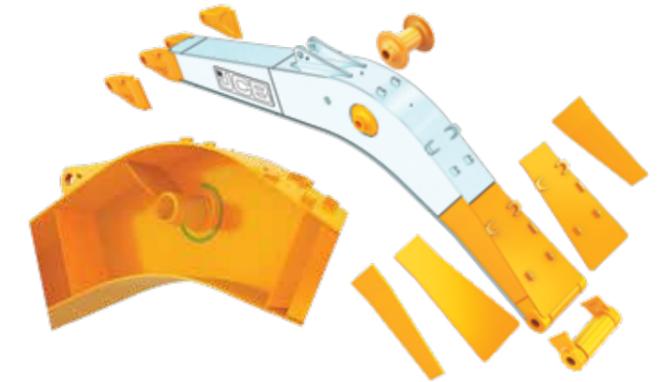
Reinforced arm with additional full length strengthening plate.



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



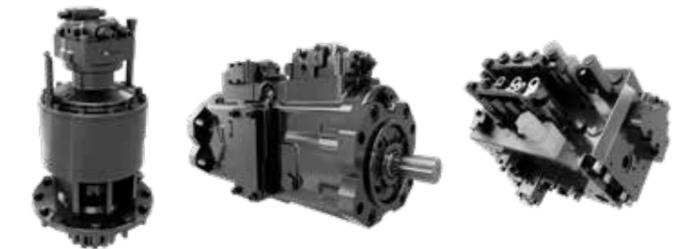
Heavy-duty undercarriage for longer life.



Deep section boom design.
Cast pivot ends.
Strengthened foot box and cylinder pivot section.



Heavy-duty LC X-Frame.
Strengthened idler and top section.

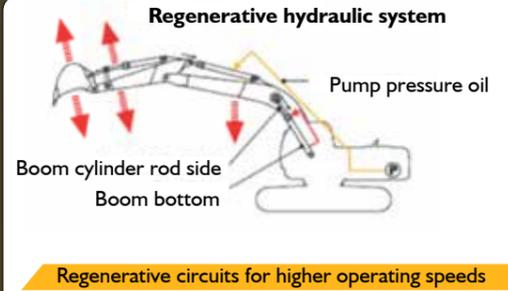


Proven hydraulic components and filtration system for longer life.

RELIABLE AND PRODUCTIVE WITH DYNAMIC FUEL EFFICIENT TECHNOLOGY

JCB **ecoMAX** ENGINE IS PROVEN AND DESIGNED FOR HIGH UPTIME. IT OFFERS HIGH TORQUE TO MAXIMISE PRODUCTIVITY WITH THE COMMON RAIL FUEL INJECTION SYSTEM FOR BETTER FUEL EFFICIENCY. THE DYNAMIC FUEL EFFICIENT TECHNOLOGY IS BACKED BY ECOHYDRAULICS, AUTO IDLER FOR CONSISTENT FUEL EFFICIENCY FOR ITS CUSTOMERS.

Power mode		Usage
H+	High power plus	New H+ mode for increased output and ensures productivity with 8 power modes
H	High power	For high output requirements.
G1, G2, G3	Economy	For general duty and digging operations.
L1, L2, L3	Lifting	For light digging work and lifting operations.



JCB **ecoMAX** engine is fuel efficient and powerful with 170 hp, 704 Nm max. torque, it generates high torque at low speed to suit the job requirement.



A massive bucket tearout force helps in high output even in arduous situation.



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

JCB's **ecoMax** engine is proven and designed for fuel efficiency and productivity.



ecoHYDRAULICS minimise energy loss to enhance fuel efficiency. It is engineered for effective and efficient utilisation of every drop of fuel.



SAVE UP TO
₹7,00,000*
IN FOUR YEARS



*Against the outgoing JCB225 LC, tested under controlled environment. T&C Apply.

EASY AND EXTENDED MAINTENANCE

JCB 225_{LC} ENSURES EASE OF MAINTENANCE AND COMES WITH MANY PROTECTIVE FEATURES ENSURING MAXIMUM SAFETY OF THE OPERATOR EVEN IN ARDUOUS SITUATIONS.



Smart control system

- Next service due
- Low engine oil level
- Low coolant level
- Water in fuel
- Low fuel level
- Display fuel quantity left in tank
- High hydraulic oil temperature
- High engine coolant temperature
- Low engine oil pressure
- Air filter clog



Graphite infused bush for 50 hours greasing at boom ends

First-in-class safety features



Selectable swing lock



Hydraulic accumulator



Hydraulic interlock to start the engine



Engine & hydraulic overheat safety system



2 Go system

Extended maintenance interval

Service intervals on bucket operation

Engine oil, oil filter and fuel filters	Every 500 hours
Hydraulic main filter	Every 1,000 hours
Hydraulic oil	Every 5,000 hours



The engine bonnet is compact and opens front-to-rear for easy and safe engine service access.



Easy serviceability with cooling pack fly mesh, which prevents clogging of the radiator and cooling of fins.



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

ENHANCED COMFORT AND EASE OF USE

ERGONOMIC AND STYLISHLY DESIGNED CABIN THAT ENSURES COMFORT AND PRODUCTIVITY OF THE OPERATOR.



Smart control display.



Powerful AC cabin.



Thin and low effort joystick.



Better ventilation and visibility.



Easy to open roof hatch 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 the vibrations that ensures comfort for the operator.



STAY CONNECTED 24X7

NOW BE ASSURED OF YOUR JCB EXCAVATOR'S SERVICE, OPERATION AND SECURITY WITH THE ADVANCED TELEMATICS TECHNOLOGY - JCB LIVELINK THAT GIVES POWER TO MONITOR YOUR MACHINE ANYWHERE, ANYTIME*.

Security

- In case of sudden drop in fuel level get an SMS/e-mail alert.
- Alerts you via SMS/e-mail in case the machine is used outside the set hours.
- Helps to locate your machine precisely on the map to display its current location.
- Get SMS/e-mail alerts in case the machine moves out of the geofenced area.
- Alerts you via SMS/e-mail in case the machine is being towed away even in engine off condition.

Operation & performance monitoring

- Idle time monitoring helps in analysing the extent to which engine was idle. This can be used for better site management to minimise idle hours and save fuel consumption.
- Machine usage can be monitored in detail including the hours worked in each mode.
- Instantaneous fuel level monitoring.

Reports & alerts

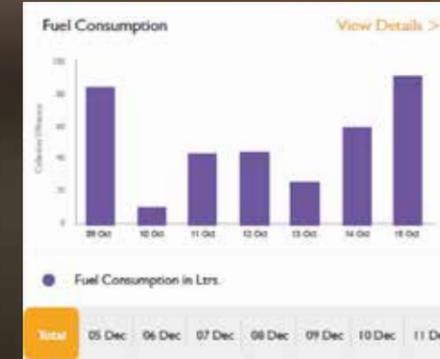
- Customised reports on performance, utilisation, fleet summary, landmark activity, machine hours and service status.
- Easier fleet management.
- Periodic reports - daily, weekly, monthly or as required.
- Machine status and critical health alerts.

Proactive maintenance & usage

- Maintenance reminders.
- Alerts are provided in case any critical health parameter needs attention. Such alerts are displayed on the dashboard of the LiveLink website. These are sent by e-mail/ SMS.

Safety

- Engine high rpm shut down report: Know the number of times the engine is shut down while working at high speeds.
- Long engine idling report: Know the number of times the machine idles for a long time, minimising idle hours and saving fuel.
- Critical health alerts on the parameter which needs immediate attention.



Stay connected 24x7

*Features may vary as per different models

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.



BENEFITS OF JCB CAREPLUS

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

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

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

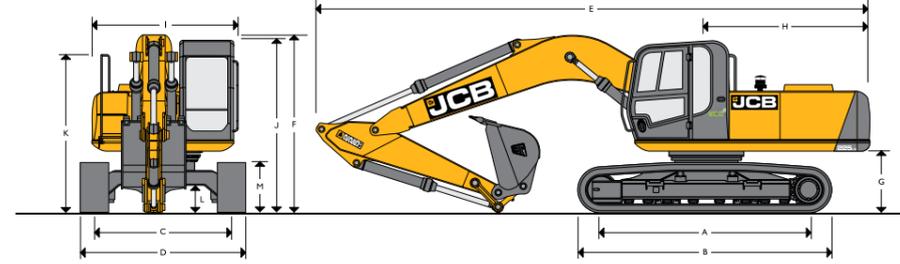


TOTAL PEACE OF MIND



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

Powered by
JCB ENGINE
ecoMAX



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				
Boom length 5.7 m	Dipper	Arm length		
		unit	2.40 m	3.00 m
	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	: JCB ecoMAX 448.
Gross Power	: 127 kW(170 hp) @ 1800 rpm.
Piston displacement	: 4.8 L.

TRACK DRIVE	
Grade ability	: 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)

EXCAVATOR BUCKET		
Capacity (Cu.m)	Toe Plate Width (m)	Weight (kg)
0.8 cu.m HD	1.14	942
0.9 cu.m GP	1.18	822
1.02 cu.m GP	1.32	920
0.9 cu.m HD	1.22	983
1.02 cu.m HD	1.35	1040
1.15 cu.m GP	1.42	974
1.2 cu.m GP	1.53	900

UNDERCARRIAGE	
JCB 225Lc	
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	343 L
Engine coolant	18 L
Engine oil	21.0 L
Swing reduction gear	5.0 L
Track reduction gear (each side)	2x5.2 L
Hydraulic system	260 L
Hydraulic tank	120 L

SWING SYSTEM	
Swing motor	: Axial piston type.
Swing brake	: Hydraulic braking, electrically operated spring applied disc type parking brake.
Final drive	: Planetary reduction.
Swing gear	: Large diameter, internally toothed fully sealed grease bath lubricated.
Swing lock	: Multiposition switchable brake.
Swing speed	: 12.5 RPM

HYDRAULIC SYSTEM	
Pumps	
Main pumps	: 2 variable displacement axial piston type.
Maximum flow	: 2 x 213 L/min
Servo pump	: Gear type.
Maximum flow	: 18 L/min
Control valve	
Relief valve settings	
Boom / Arm / Bucket	: 343 bar
With power boost	: 373 bar
Swing circuit	: 289 bar
Travel circuit	: 343 bar
Pilot control	: 40 bar

WEIGHT AND GROUND BEARING PRESSURE	
Maximum operating weight	21750 kg
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	
Laminated glass on front and right hand side of cabin	
LiveLink	

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	

JCB EXCEEDING EXPECTATIONS EVERYWHERE

Towards Industry's finest customer support network

5,000+
Trained service engineers

750+
Outlets

3,000+
Mobile service engineers

250+
Service vans

24x7 Support
12 Languages



66
Dealers

11
Training centres

5
Parts warehouses



Connect with us on
JCB Support Face Book Page.

EXTENSIVE PARTS SUPPORT

JCB genuine parts offer a comprehensive machine protection solution.



JCB LOYALTY PROGRAM



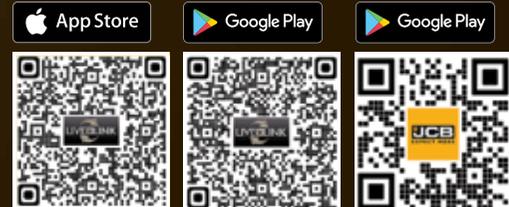
- Instant membership card
- Welcome kit
- Reward points
- Special programme features
- Extended benefits



SMART & DIGITAL SUPPORT



Download from:



LiveLink

Genuine Parts

Dealer's stamp:

JCB INDIA LIMITED 23/7 Mathura Road, Ballabgarh - 121 004 Haryana, India.

For more information SMS "JCB" to **56767** or call our toll free no. **1800-1037-386**

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