

NEW JCB 225Lc



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 new JCB 225_{LC} Excavator

The all-new resilient JCB 225_{LC} excavator is designed to grab the toughest challenges and handle any terrain. Built for strength with heavy duty aggregates and equipped with a powerful fuel-efficient JCB **ecoMAX** engine, the JCB 225_{LC} is born to perform. Always look for a better way with a JCB 225_{LC} excavator which is backed by the Industry's finest aftermarket support of our 700+ dealer outlets and 5000+ service engineers.



ENHANCED
RELIABILITY



LEADING
PRODUCTIVITY



PEACE OF
MIND

JCB 225_{LC}



EXCELLENT
FUEL EFFICIENCY



SMART
CONTROL

ENHANCED 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.



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



Proven hydraulic components and filtration system for longer life.



ENHANCED PRODUCTIVITY

POWERED WITH JCB **ecoMAX** ENGINE TO ENSURES LEADING PRODUCTIVITY.

OUTPUT INCREASED BY
7%

| 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. |



Equipped with a proven and powerful 170 hp JCB **ecoMAX** engine and 695 Nm max torque

JCB ENGINE
ecoMAX

16 Valves Effort
BIG on Fuel Saving

XCELLENT DIGGING

A massive bucket tearout force helps in high output even in tough strata.

Power boost feature increases hydraulic system pressure digging forces by 9%



UNMATCHED EFFICIENCY

EQUIPPED WITH **ecoHYDRAULICS** FOR BETTER FUEL UTILISATION.

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



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



Regenerative hydraulic system



Regenerative circuits for higher operating speeds

JCB **ecoMAX** engine provides high fuel efficiency and generates high torque at low speed to suit the job requirement.

JCB ENGINE
ecoMAX

16 Valves Effort
BIG on Fuel Saving



*T&C Apply.

EASY OF MAINTENANCE AND SAFETY

JCB 225_{LC} ENSURES EASE OF MAINTENANCE AND COMES WITH MANY PROTECTIVE FEATURES ENSURING UTMOST 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 1000 hours greasing at boom ends

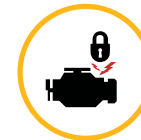
First-in-class safety features



Selectable swing lock



hydraulic accumulator



Hydraulic interlock to start the engine



Engine & hydraulic overheat safety system



2 Go system

Class-leading 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.



Excellent 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.

PEACE OF MIND

JCB PREMIER LINE SOLUTIONS ARE A SET OF NEW AND INNOVATIVE SOLUTIONS DESIGNED TO GIVE MAXIMUM VALUE TO JCB'S PRIVILEGED CUSTOMERS. IT IS A COMPREHENSIVE RANGE OF CUSTOMISED SUPPORT PACKAGES, INNOVATIVELY DESIGNED TO OFFER REAL-TIME AND PROACTIVE PRODUCT SUPPORT SOLUTIONS.

Uptime technology

JCB's advanced telematics solution - LiveLink and Tech Web are innovative connectivity solutions that facilitate 24x7 monitoring of machines. Through the use of big data these help in determining field issues and trends which result in better and faster service mobility. Moreover, inputs and analysis of this data help in offering solutions for preventive maintenance.

Machine Uptime

The JCB LiveLink mobile app has been updated with an SOS feature that allows for an instant alert to be sent to JCB dealerships - all at the simple press of a button. This real-time, convenient solution empowers customers to login their service requests instantly thus ensuring 24x7 continuity of operations for their business.

At the heart of JCB Premier Line are:-

1. Uptime guarantee*
2. Express parts
3. Personalised warranty options



CONNECTIVITY

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



Stay connected 24x7

Security

- Fuel level drop alert via SMS/e-mail
- 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
- Fuel consumption report

Proactive maintenance & usage

- Maintenance reminders



ENHANCED COMFORT AND EASE OF USE

THE STATE-OF-THE-ART ERGONOMIC CAB OFFERS COMFORT TO THE OPERATOR.



Smart control display.



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 the vibrations that ensures comfort for the operator.

EXTENDED CARE

GIVE YOUR MACHINE EXTENDED WARRANTY AND CARE.

- JCB Careplus is an extended warranty programme that comes into effect after the machine 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 standard warranty expires.



Extended Warranty Programme

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



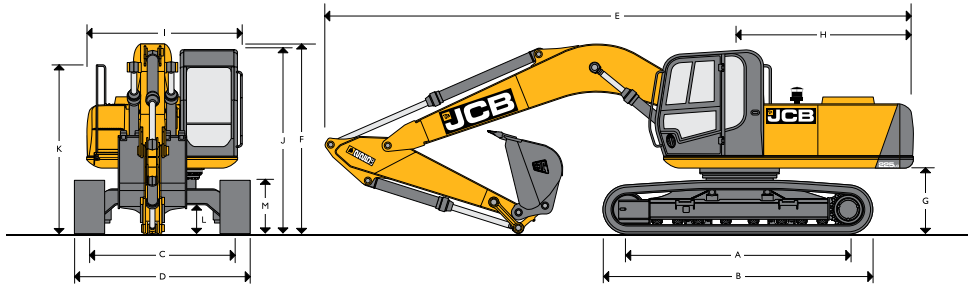
Breakdown cost protection



Better resale value

*T&C Apply

Powered by



| STATIC DIMENSIONS | | | |
|-------------------|--|----|------|
| A | Track length on ground | mm | 3710 |
| B | Undercarriage overall length | mm | 4469 |
| C | Track gauge | mm | 2390 |
| D | Width over tracks | mm | 2990 |
| E | Transport length with mono boom and arm | mm | 9650 |
| F | Transport height with mono boom and dipper | mm | 3185 |
| G | Counterweight clearance | mm | 1044 |
| H | Tail swing radius | mm | 2825 |
| I | Width of superstructure | mm | 2563 |
| J | Height over cab | mm | 3001 |
| K | Height over handrail | mm | 2755 |
| L | Ground clearance | mm | 461 |
| M | Track height | | 848 |

| WORKING RANGE | | | |
|-----------------------------------|-------------|-------------------|---------------|
| | | | |
| Boom length 5.7 m | | Arm length | |
| Dipper | 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. | 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 448T2. |
| Gross Power | : 127 kW(170 hp) @ 1850 rpm. |
| Piston displacement | : 4.765 litres. |

| 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 (mm) | Weight (Kg) |
| 0.8 cu.m HD | 1144 | 942 |
| 0.9 cu.m GP | 1180 | 822 |
| 1.02 cu.m GP | 1320 | 920 |
| 0.9 cu.m HD | 1222 | 983 |
| 1.02 cu.m HD | 1350 | 1040 |
| 1.15 cu.m GP | 1420 | 974 |
| 1.2 cu.m GP | 1528 | 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 ltr. |
| Engine coolant | 18 ltr. |
| Engine oil | 21.0 ltr. |
| Swing reduction gear | 5.0 ltr. |
| Track reduction gear (each side) | 2x5.2 ltr. |
| Hydraulic system | 260 ltr. |
| Hydraulic tank | 120 ltr. |

| 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 | |
| Turbo II 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 | |
|--|--|
| Cab 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 (15 m) | |
| 3 m arm | |
| Coal bucket (1.7 cu.m) | |
| Waste handling bucket (1.2 cu.m) | |
| Heavy-duty front & top cab guard | |

INDUSTRY'S FINEST CUSTOMER SUPPORT NETWORK

65+
Dealers

700+
Outlets

5,000+
Trained service engineers

5
Parts warehouses



3,000+
Mobile service engineers

4
Training centres

250+
Service vans

24x7 Support
12 Languages

EXTENSIVE PARTS SUPPORT

JCB genuine parts offer a comprehensive machine protection solution.



JCB LOYALTY PROGRAM



Our loyalty programme is a reflection of our brand promise and our constant endeavour to offer you more than your expectations.

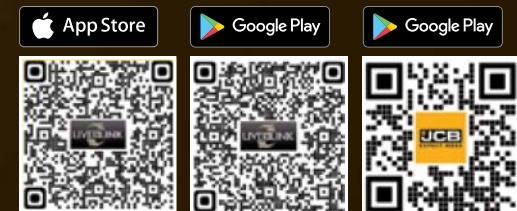
Instant membership card | Welcome kit
Rewards points | Extended benefits
Special programme features



SMART & DIGITAL SUPPORT



Download from:



LiveLink

Genuine Parts

Dealer's stamp:

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

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