

JCB NXT 245HDLR

INTELLI
CONTROL



40 FT
DIG DEPTH

51 FT
DIG REACH

THE NXT LEVEL

Engine Power: 104 kW (140 hp) | Bucket Capacity: 0.45 cu.m | Operating Weight: 23,850 kg

JCB

Take your business to THE NXT LEVEL, with the JCB NXT 245HDLR Tracked Excavator.

JCB presents the JCB NXT 245HDLR 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 245HDLR 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 245HDLR Tracked Excavators.



NXT LEVEL OF RELIABILITY

STRENGTH INSIDE AND OUTSIDE.

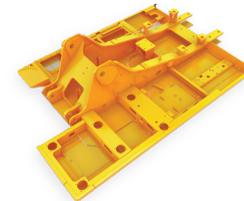
Strengthened top & bottom plates at both ends for high life in arduous applications.



Reinforcements on key locations to enhance life of the arm.



Heavy-duty upper frame with additional strengthening at the bottom.



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



Proven hydraulic components and filtration system for longer life.



Strong heavy-duty bucket (0.45 cu.m).



NXT LEVEL OF PRODUCTIVITY

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



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.



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

40 FT
DIG DEPTH

51 FT
DIG REACH



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

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

one touch idler

one-touch deceleration system, helps to reduce engine rpm by just giving one touch to the switch.

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.



Operational information



Quantity of fuel left in tank



Engine speed & operating mode status



Trip meter



Auto idle status & time setting



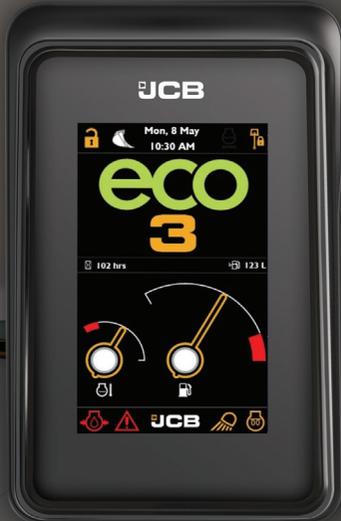
Machine operating parameters



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.

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

Proactive maintenance & usage



Maintenance reminders



NXT LEVEL OF EASY MAINTENANCE AND SAFETY

THE JCB NXT 245HDLR 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
Engine oil & oil filter	Every 500 hours



Critical health alerts



Battery disconnect switch



Service due reminder



Radial seal air filter

First-in-class safety features



Hose burst check valve on boom and arm



Selectable swing lock



Hydraulic accumulator



2 Go system



Hydraulic interlock to start the engine



Engine & hydraulic overheating safety system



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.



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.



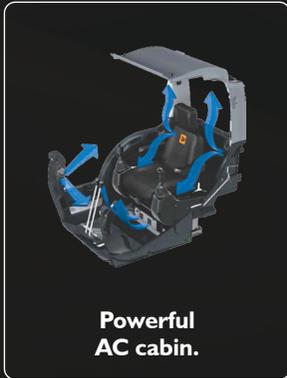
Battery disconnect switch helps to isolate the machine's electric system easily, whenever required.

NXT LEVEL OF COMFORT

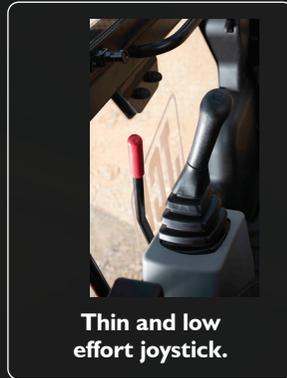
A COMFORTABLE OPERATOR IS A PRODUCTIVE OPERATOR.



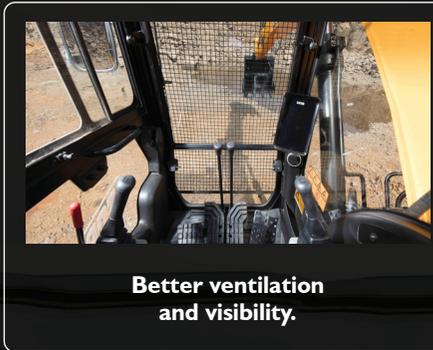
Rotary switch controls.



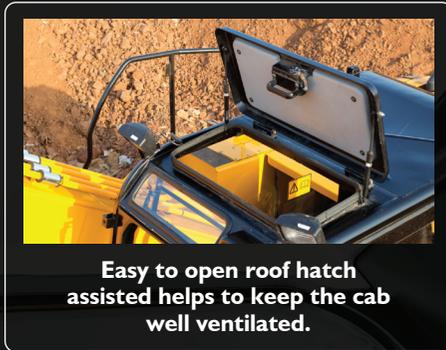
Powerful AC cabin.



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.

NXT LEVEL OF 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

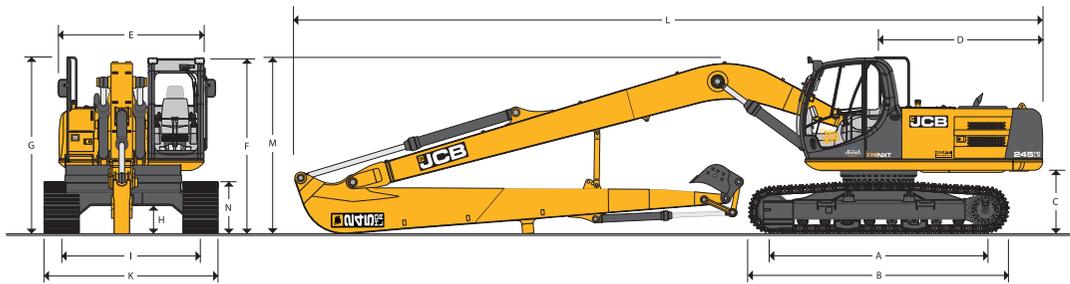


Breakdown cost protection



Better resale value

*T&C Apply



WEIGHT AND GROUND BEARING PRESSURE

Standard machine with bucket, operator, full capacity lubes and fuel		
	600mm Track Chain	800mm Track Chain
Max operating weight	23,300 kg	23,850 kg
Ground bearing pressure	0.38 kg / sq cm	0.49 kg / sq cm

STATIC DIMENSIONS

Label	Dimension	Value
A	Track length on ground	m 3.66
B	Undercarriage overall length	m 4.47
C	Counterweight clearance	m 1.05
D	Tail swing radius	m 2.83
E	Overall width of the super structure	m 2.55
F	Height over cab	m 3.06
G	Height over handrail	m 2.78
H	Ground clearance	mm 456
I	Track gauge	m 2.39
K	Width over tracks (600 mm)	m 2.99
	Width over tracks (800 mm)	
L	Transport length	m 1.26
M	Transport height	m 3.05
N	Track height	m 890

WORKING RANGE

	Unit	Arm length (6.4 m)
Maximum dig reach	m	15.62
Maximum dig reach at ground level	m	15.51
Maximum digging depth	m	12.04
Maximum digging height	m	12.69
Maximum loadover height	m	10.4
Maximum vertical wall cut depth	m	11.46
Minimum swing radius	m	5.45
Bucket rotation	deg.	182
Bucket breakout force ISO 6015	kN	65.5
Arm breakout force ISO 6015	kN	44

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 speed	: 12 RPM

ENGINE

Model	: CUMMINS6BT 5.9C
Gross Power	: 140 HP @2000 rpm
Piston displacement	: 5.88 L

TRACK DRIVE

Gradeability	: 70% (35 deg.) continuous
Travel speed	: 3.8 km/h
Tractive effort	: 166 kN

EXCAVATOR BUCKET

0.45 cu.m

SERVICE CAPACITIES

Fuel tank	343 L
Engine coolant	25.5 L
Engine oil	19 L
Hydraulic system	203 L
Hydraulic tank	120 L
Swing device	5 L
Travel device	2 x 5 L

UNDERCARRIAGE

	JCB NXT 245HDLR
Track Shoe	600mm /800mm
Upper & lower rollers	Heat-treated, 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

HYDRAULIC SYSTEM

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	: 343 bar
Swing circuit	: 240 bar
Travel circuit	: 343 bar
Pilot control	: 40 bar

STANDARD EQUIPMENT

Auto-Idler
 Work lights: 1 each on boom and main frame
 Additional lights: 2 nos. on cab
 Additional lights: 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
 Tool kit
 Handrail and nonslip walk ways
 Radiator fly screen
 FM Radio and USB music player with speakers
 Cabin guard (front)
 Mirror on RH handrail
 Mirror on cab grabrail glass on front and right hand side of cabin
 LiveLink

OPTIONAL EQUIPMENT

Cabin top guard
 Fully ducted air conditioner unit with heater
 First aid kit
 Fire extinguisher
 Refuel pump
 Beacon
 Counterweight mirror

FILTRATION SYSTEM

In-tank	: 150 microns, suction strainer
Main return line	: 10 microns, fibre form element
Pilot line	: 10 microns, paper element.

JCB EXCEEDING EXPECTATIONS EVERYWHERE

Towards industry's finest customer support network

5,000+
Trained service engineers

18
Operator training centres

3,000+
Mobile service engineers

250+
Service vans

24x7 Support
12 Languages



60+
Dealers

700+
Outlets

5
Parts warehouses



Connect with us on
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NXT LEVEL OF PARTS SUPPORT

JCB genuine parts offer a comprehensive machine protection solution.



JCB LOYALTY PROGRAMME



- 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 B-1/I-1, 2nd Floor, Mohan Co-operative Industrial Estate, Mathura Road, New Delhi - 110044.

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Disclaimer: The claims w.r.t. performance, fuel efficiency, reliability and productivity made herein are based on tests conducted in controlled environment against the outgoing JS 20SLR model. The results may vary depending upon various factors like operator's capability, test conditions. The actual machine/equipment may differ from the one reflected herein. T&C apply.

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