

THE NXT LEVEL

Engine Power : 75 KW (100 hp), Bucket Capacity : 0.63 cu.m - 0.72 cu.m
Operating Weight : 14,320 Kg

JCB

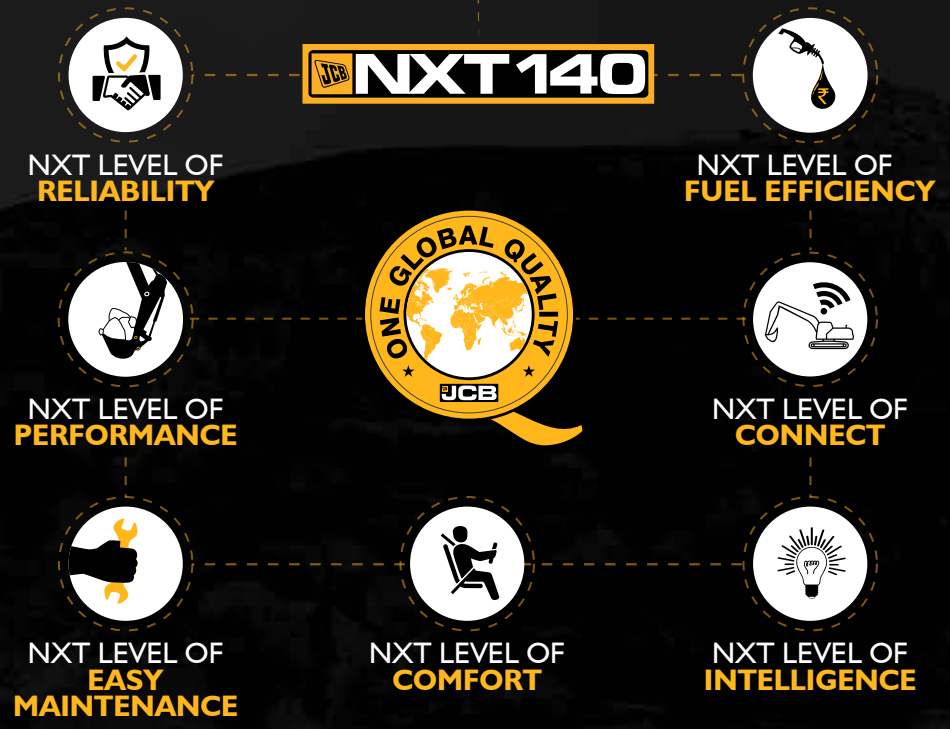
Take your business to THE NXT LEVEL, with the JCB NXT 140 Tracked Excavator.

JCB presents the JCB NXT 140 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 140 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 140 Tracked Excavators.



NXT LEVEL OF RELIABILITY

STRENGTH INSIDE AND OUTSIDE.

Heavy-duty boom & arm with reinforcements for high life.



Stronger bucket (0.72 & 0.63 cu.m) with side cutter.



Heavy-duty track link with higher sectional area.



Thicker & stronger X-Frame.



Proven hydraulic components and filtration system for longer life.



IP67/ IP69 electrical connectors for longer life.





Upper frame provides durability in tough working conditions.

NXT LEVEL OF PERFORMANCE

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 requirements.
E	Economy	For general duty and digging operations.

XCELLENT DIGGING

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

10 WORKING MODES

13.6 rpm swing speed completing digging in less time and increase, the productivity of the machine.



JCB POWER+ MODE

NXT LEVEL OF EFFICIENCY

THE CLASS LEADING EFFICIENCY WITH ENERGY SAVING ecoHYDRAULICS OFFERING NXT LEVEL OF SAVINGS.

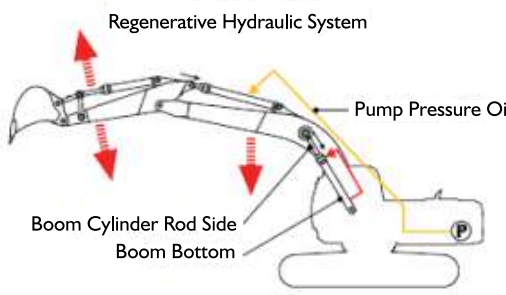
Auto idler reduces engine speed automatically when machine is not at work, thus saving fuel.

autoidler

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

JCB ecoHYDRAULICS

6% Higher Output *P+ Mode



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 140 ENSURES EASE OF MAINTENANCE AND ALERTS ON DISPLAY.

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



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.



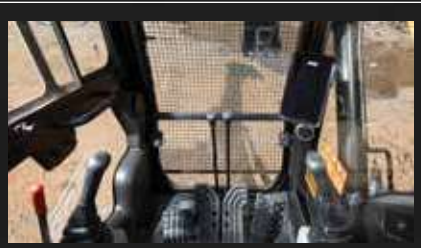
Rotary switch controls.



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.

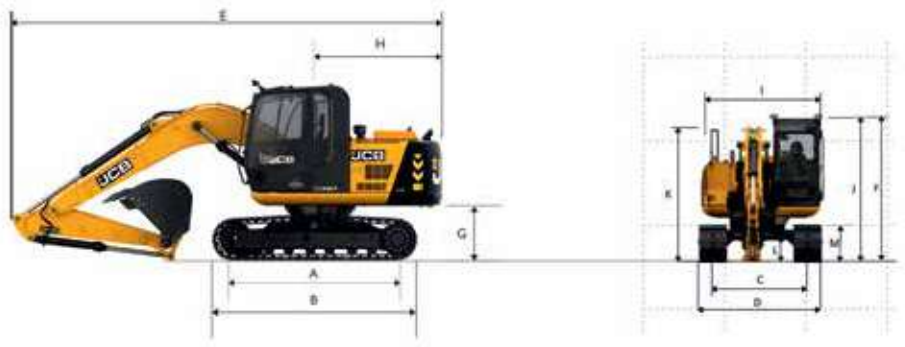


5 Working lights for better illumination and help the operator to work efficiently.



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





STATIC DIMENSIONS

	With boom length: 4.70 m, dipper length: 2.10 m	mm
A	Track length on ground	2780
B	Undercarriage overall length	3550
C	Track gauge	1990
D	Width over tracks (500 mm track shoes)	2490
E	Transport length with mono boom	7630
F	Transport height with mono boom	2997
G	Counter weight clearance	910
H	Tail swing radius	2150
I	Width of superstructure	2410
J	Height over cab	2997
K	Height over grab rail	2622
L	Ground clearance	460
M	Track height	815

* Machine in transport position

WORKING RANGE

Boom length:		**4.70 m (15-5)**
Dipper length:		**2.10 m (6-11)**
Maximum digging reach	mm (ft-in)	8030 (26-4)
Maximum digging reach (on ground)	mm (ft-in)	7884 (25-10)
Maximum digging depth	mm (ft-in)	5203 (17-0)
Maximum digging height	mm (ft-in)	8796 (28-10)
Maximum dumping height	mm (ft-in)	6370 (20-10)
Maximum vertical wall cut depth	mm (ft-in)	4523 (14-10)
Maximum swing radius	mm (ft-in)	2159 (7-1)
Bucket rotation	dig.	182°
Maximum dipper tear out (ISO 6015	kgf (ibf)	7301 (16096)
Maximum bucket tear out (ISO 6015)	kgf (ibf)	8974 (19784)

ENGINE

Model	:	Cummins 4BT 3.9C.
Gross Power	:	100 HP
Piston displacement	:	3.9 litres.

TRACK DRIVE

Gradeability	:	70% (35 deg.) continuous
Travel speed	:	3.6 kmph
Tractive effort	:	104.1 KN (10615 kgf)

EXCAVATOR BUCKET

Bucket size Max. width toe plate	Capacity
1040 mm	0.63 cu.m
1156 mm	0.72 cu.m

UNDERCARRIAGE

	JCB NXT 140
Track Shoe	600mm (standard)
Upper & lower rollers	Heat-treated, sealed and lubricated.
Track adjustment	Grease cylinder type.
No. of track guides	1 per side
No. of lower rollers	7 Per side
No. of upper rollers	1 per side
No. of track shoes	44 per side

FORCES

Bucket tear-out force	8974 kgf
Arm digging force	7401 kgf

SERVICE CAPACITIES

Fuel tank	:	253 ltr.
Engine coolant	:	21.2 ltr.
Engine oil	:	13.5 ltr.
Swing reduction gear	:	3.2 ltr.
Track reduction gear (each side)	:	3.0 ltr.
Hydraulic system	:	173.0 ltr.
Hydraulic tank	:	73.0 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 speed	:	13.6 RPM

HYDRAULIC SYSTEM

3 Work modes: eco, Power & Power+

Pumps

Main pumps	:	2 variable displacement axial piston type.
Maximum flow	:	2 x 120 L/min
Servo pump	:	Gear type.
Maximum flow	:	20 L/min

Control valve

Relief valve settings

Boom / Arm / Bucket	:	330 bar
Swing circuit	:	279 bar
Travel circuit	:	330 bar
Pilot control	:	40 bar

WEIGHT AND GROUND BEARING PRESSURE

Operating weight	14,320 kg.
Ground bearing pressure	0.52 kg/sq.cm.

STANDARD EQUIPMENT

Engine fan guard
Turbine type air pre-cleaner
FM radio and music player with speakers
Auxiliary pipework mounting brackets
Boom and mainframe mounted work lights
Cab & counterweight mounted work lights
Undercarriage belly guards
Upper structure under covers
Tool Kit
Handrail and non-slippery walking space
Windscreen wiper and washer
Radiator fly mesh
Mirror on cab grabrail
LiveLink
Heavy-duty track motor cover
Front cab guard
500 mm track shoe
Laminated glass on front and right hand side of cabin

OPTIONAL EQUIPMENT

Fully-ducted, air-conditioned cab (Cooling only)
Top cab guard
Mirror on handrail RH
Refuel pump
Rockbreaker
Rockbreaker pipework
Ripper tooth
Option of 0.72 & 0.63 cu.m buckets
Trench bucket (490mm)
First aid kit
Fire extinguisher
Reflectors
Cold start kit
Rear view camera
Light guards
600/700 mm track shoe

FILTRATION SYSTEM

In-tank	:	150 microns, suction strainer.
Main return line	:	10 microns, high-efficiency glass fibre
Pilot line	:	10 microns, paper element.
Hydraulic hammer return	:	10 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

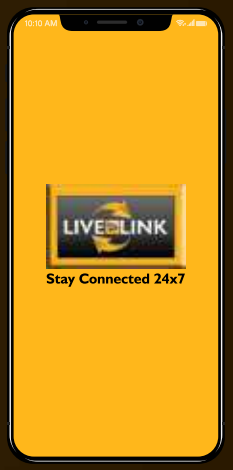
JCB Attachments make your Machines versatile which helps maximise utilisation of your machines. It helps in increasing overall efficiency, productivity and profitability of your Machine. Our specialised team of advisors are always looking to serve you in multiple ways to help you with the best Attachment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



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