

JCB 3DX-4WD HIGH DUMP BUCKET | BACKHOE LOADER



TAKE YOUR BUSINESS ONE STEP HIGHER



75 years of innovation

We've been innovating since day one, and we've always cultivated a uniquely fearless approach to design. The constant innovation and growth for more than 75 years, has led JCB to provide the world's best backhoe loader range with a total population of over 7 50 000 machines.

JCB Backhoe Loaders, introduced in the year 1953 revolutionised the construction industry in a very short span of time with its multifarious application usage, which gradually made us the leading backhoe loader manufacturer globally. In India, more than 3 00 000 backhoe loaders are on the road, and for us it is not just a matter of pride but a true demonstration of sheer excellence and precision.

Presently, JCB has a strong brand presence in India, which is a true testament to our belief of "Always looking for a better way".



TAKE YOUR BUSINESS ONE STEP HIGHER

JCB 3DX-4WD WITH HIGH DUMP BUCKET

An edge over the rest

Presenting the JCB 3DX 4WD Backhoe Loader with 4 meter High Dump Bucket, the new workhorse for a higher level of productivity on all terrains and plains. This powerful backhoe loader, a breakthrough product in front end application teamed up by the high dump bucket is just the better way to take your business, one step higher.

4X4

4
METRE

HIGH DUMP BUCKET, HIGHER REACH

We will make sure, every hour of your work ensures better fuel saving and a high level of fuel efficiency. With the tough 4WD feature in place, optimise your power usage, ensuring better efficiency in terms of tonnes/litre in re-handling, hopper feeding, landscaping, ramping, site stripping and dozing applications. Backed by a 4WD trained operator, take your productivity to a higher level. More speed of the machine, helps reduce the no. of loading trips, thereby saving fuel on the go.



4.0 Metre
Dump Height



Better Fuel
Efficiency

4WHEEL DRIVE



25%* More
Tractive Effort



11%* More Bucket
Filling Factor



6%* Lesser
Cycle Time



All Terrain
Ability



*T&C Apply. Tested in standard conditions against JCB 3D X Standard under controlled environment

TAKE YOUR BUSINESS ONE STEP HIGHER | 4

Higher dump height:
More reach



More tractive effort:
More pushing power



More bucket filling factor:
More productivity



All terrain capability:
More gradeability





MORE COMFORT

20%* more spacious cabin, comfortable operator seat, low heat & noise inside the cabin (only 84 db), large leg space, face fan and excellent ventilation for utmost operator comfort.

Ergonomically positioned controls, music system as standard, **20%* more space** for operator belongings, deluxe automotive styling takes this backhoe loader one step ahead in the industry.

Setting new benchmarks in comfort, the JCB 3DX 4WD Backhoe Loader is equipped with JCB 'Q' brakes ensuring 30%* reduction in braking effort.

*TEC Apply.

ADVANCED LIVELINK

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



Service



Service reminder



Machine data backup



Critical machine health alerts

Operation



Machine utilisation report



Fuel level information



Engine status



Data analytics

Security



GPS tracking



Possible intrusion/
Tow away alerts



Operating hours/
Time fencing



Geofencing

SERVICE & SUPPORT

MAXIMISE YOUR PROFITABILITY AND REDUCE DOWNTIME

JCB's certified engineers are there to maximise your profitability and reduce downtime.

Our engineers are always there to serve the customers and provide value-added solutions to all their concerns regarding the machines and services.



JCB trained and certified engineers



Best-in-class service and repairs



On-site training and support



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

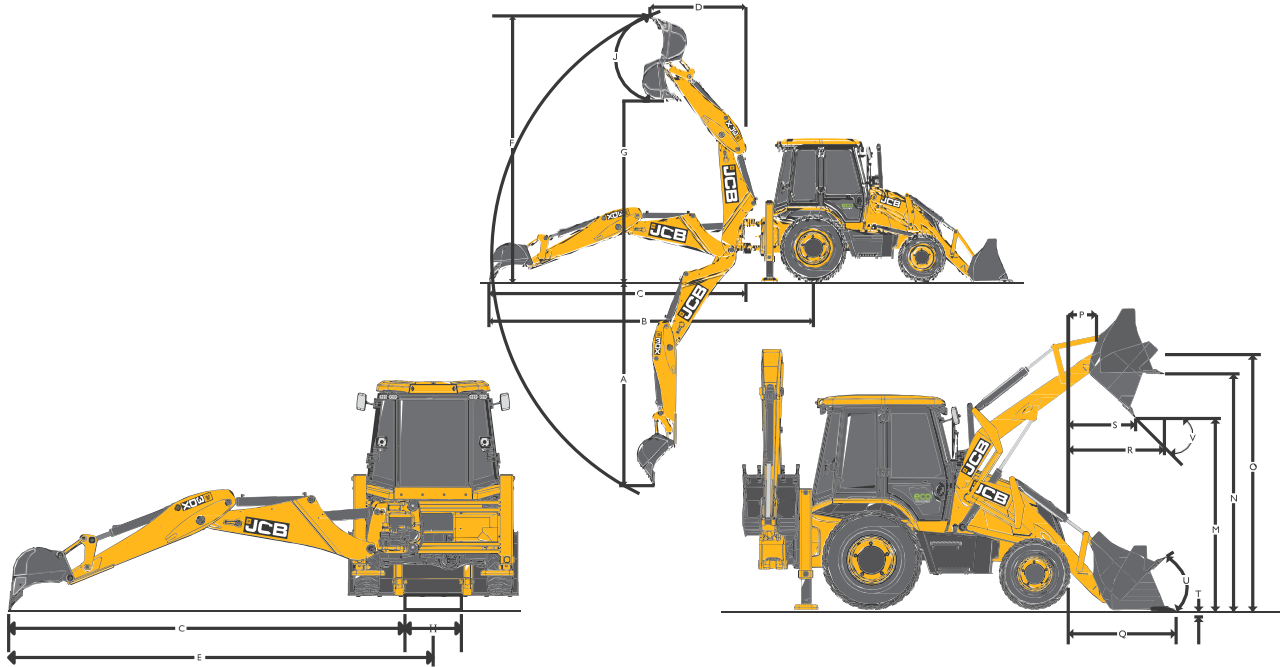


Better resale value

*Varies on JCB Careplus package selected.

**All services completed in line with the JCB recommended service interval schedule.

PERFORMANCE DIMENSIONS



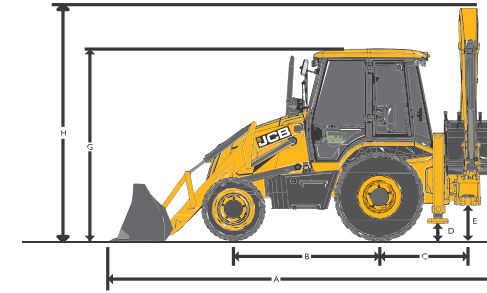
EXCAVATOR PERFORMANCE

		3DX-4WD/ 3DX4WD (High Dump)
A	Max. dig depth	m 4.77
B	Reach-ground level to rear wheel centre	m 6.72
C	Reach-ground level to slew centre	m 5.40
D	Reach at full height to slew centre	m 2.74
E	Side reach to centre line of machine	m 6.02
F	Max. working height	m 5.97
G	Max. load over height	m 4.18
H	King post travel	m 1.06
J	Bucket rotation - Power	deg 185
	Bucket tear out force	kgf 5,700
	Dipper tear out force	kgf 3,010
	Lift capacity to bucket pivot at full reach (No bucket fitted) (SAE J31) (Data with standard dipper)	kgs 1,490
	Standard bucket capacity	cu.m 0.26
	Standard bucket width	m 0.79

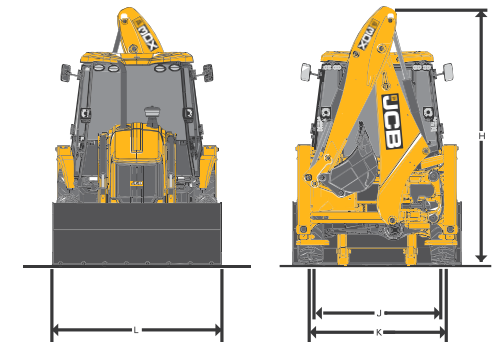
LOADER PERFORMANCE

		3DX-4WD	3DX-4WD (High Dump)
M	Dump height	m 2.74	4.0
N	Load over height	m 3.32	4.3
O	Pin height	m 3.54	3.52
P	Pin forward reach	m 0.25	0.237
Q	Reach at ground	m 1.42	1.98
R	Max. reach at full height	m 1.15	0.76
S	Reach at full height - Bucket dumped	m 0.78	1.093
T	Below ground level dig depth	m 0.07	0.05
U	Rollback at ground	deg 45	40
V	Dump angle	deg 38	39.7
	Shovel breakout force	kgf 6,010	3,726
	Loader arm breakout force	kgf 5,300	4,605
	Payload	kgf 1,800	1,550
	Standard shovel	cu.m 1.1	1

STATIC DIMENSIONS



		3DX-4WD/ 3DX-4WD (High Dump)
A	Overall length	m 5.90
B	Wheelbase	m 2.24
C	Slew centre to rear axle centre	m 1.32
D	Minimum ground clearance	m 0.31
E	Slew ground clearance	m 0.51
G	Height to top of cab	m 2.87
H	Overall height	m 3.61
J	Track width - Rear	m 1.73
K	Track width - Front	m 1.86
L	Width over bucket	m 2.35



ENGINE

JCB 448, naturally aspirated, 4 cylinders, water cooled, Diesel Engine
Displacement : 4.8 litres
Gross power : 56 kW (76 mhp) @ 2200 RPM
Max torque : 305 nm (31.1 kgm) @ 1100 RPM

TRANSMISSION

The JCB synchro shuttle transmission provides superb drive power in all conditions. It consists of a 4-speed, fully synchromesh, smooth shift gear box with integral torque convertor and electrically operated reversing shuttle.

- Easy-to-use, column mounted electric reversing shuttle switch can change machine direction while allowing the operator to keep hands on the steering wheel, leading to fast cycle time.
- The pedals' layout and conventional 4-pattern gear lever with transmission disconnect switch adds to the overall ease of operation. On-the-move gear changes are possible.
- Torque converter stall ratio is 3.01:1.

AXLES

- **Rear** : Drive axle rigidly mounted, incorporates JCB Max-Trac torque proportioning differential, driven by short propshaft from gear box.
- **Front** : Steer axle, centrally pivoted, with oscillation angle of 16°.

BRAKES

- **Service** : JCB 'Q' brakes, hydraulically actuated, dual line, self adjusting (compensated), oil immersed, multi-disc type on the rear axle, well protected from dirt, water etc. requiring no maintenance. Operated through independent pedals linked together for normal use.
- Two independently operatable foot pedals enable machine to manoeuvre in tight spaces.
- **Parking** : Hand operated, disc brakes on rear axle input disc.

STEERING

Power track steering rod system provides equal turn steering & quick response with less operating force.

- Working pressure 1750 psi. (121 bar)
- Hydraulic supply from independent steering pump.

ELECTRICALS

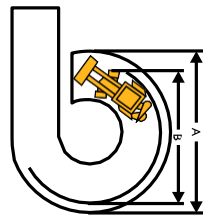
130 Ampere-hour 12 Volts battery system with alternator and full road lighting.

TYRES

Front : 31.75 cm x 45.72 cm (12.5 x 18)
 Rear : 42.93 cm x 71.12 cm (16.9 x 28)

TURNING CIRCLE

		3DX-4WD (High Dump)
Inner wheels not braked		
A* Outside loader bucket	m	10.55
B Outside wheels	m	7.21
Inner wheels braked		
A* Outside loader bucket	m	11.65
B Outside wheels	m	8.32



* Standard bucket in travel position

SPEED

Gear	Forward Km/hr	Reverse Km/hr
1st	7.26	7.26
2nd	11.72	11.72
3rd	22.01	Not recommended
4th	40.36	Not recommended

(Standard tyres, with zero torque converter slip @ 2200 RPM)

HYDRAULICS

Filtration through suction strainer and return line "JCB filtromatic filter".

System pressure (p.s.i.)	3300
Pump flow (Lpm) @ 2200 rpm	118

SHIPPING WEIGHT

3DX-4WD: 7650 kg
 3DX-4WD (High Dump): 7800 kg

SERVICE

	System	Service
Hydraulic system	120	70
Fuel tank	128	-
Engine coolant	16.5	15
Engine oil	15	15
Transmission	17.5	17.5
Rear axle	20	20
Front axle	11	11

CABIN

- Tinted cab glasses provide excellent all round visibility & sun protection.
- Music system as standard fitment.
- Plenty of legroom minimises fatigue.
- A fully adjustable suspension seat combined with ergonomically positioned controls and soft touch steering wheel.
- Cab provides easy 'walk through' two door access. Other features include seat belt, large convex rear view mirror inside cabin, interior light, front screen wiper, cabin fan, front and rear horn, hazard warning system, tool box and helper seat.
- Instrumentation panel is positioned on the right hand side and includes engine speed, engine hours, trip meter, fuel level, water temperature and mobile charger. Easily visible while both end operation.
- Audio and visual fault warning system for alternator charge, coolant temperature, engine oil pressure, blocked air filter, transmission oil pressure and temperature and hand-brake on.

LIVELINK

Advanced telematics technology that enables you to monitor and manage your machines remotely by providing information on:

- Service** : Routine maintenance information and alerts
- Operation** : Health alerts & usage data
- Security** : Machine location & movement data

OPTIONS

- Excavator buckets Capacities: 0.06 cum, 0.09 cum, 0.12 cum, 0.18 cu.m
- 6 in 1 clam shovel
- Ditch cleaning bucket
- Taper ditching bucket
- Square hole bucket
- Rock breaker
- Ripper tooth
- Heavy duty rear tyres 14x25
- Auger
- Heavy Duty Rear Tyres : 35.56 cm X 63.5 cm (14 X 25)

All dimensions, weights and timings are variable within 1.5%, JCB reserves the right to change specifications without prior notice.