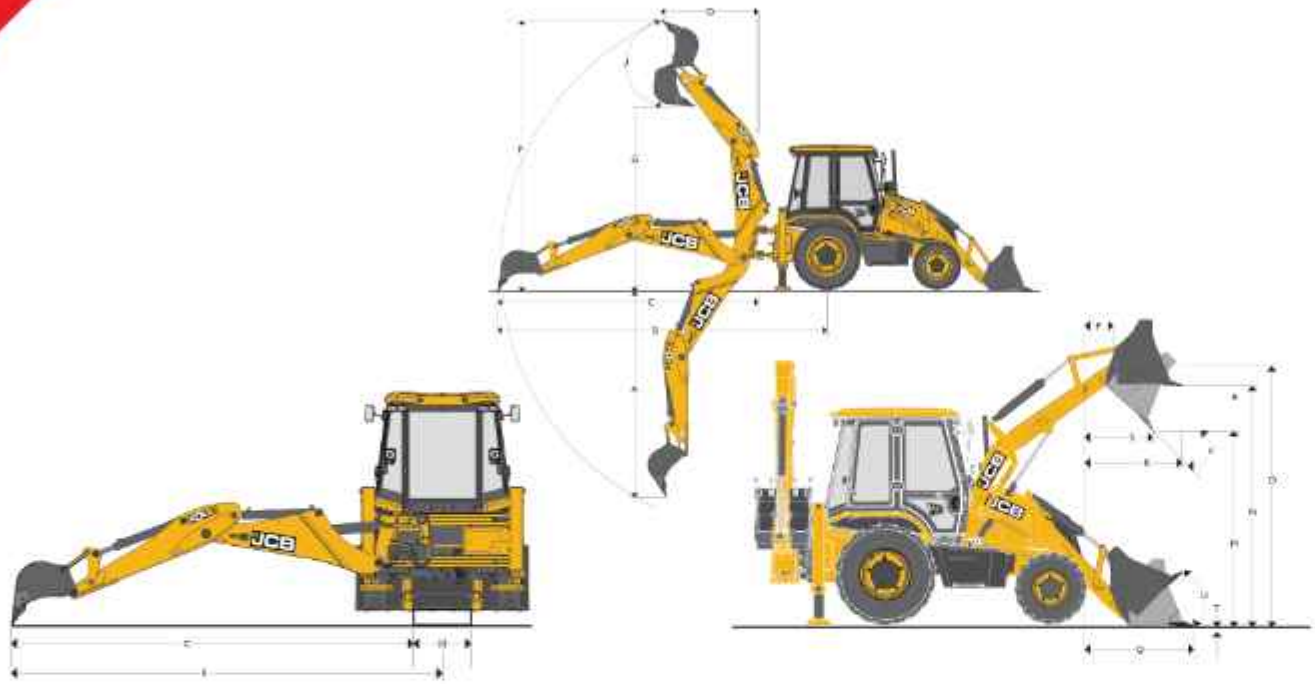
NEW

JCB 3DX- 4WD | SPECIFICATION

The Most Fuel Efficient Backhoe Loader on Earth

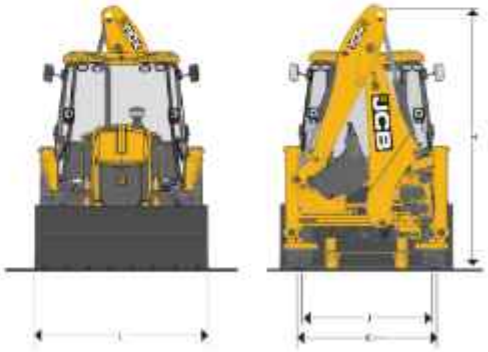
PERFORMANCE DIMENSIONS



STATIC DIMENSIONS



	3DX-4WD
A Overall length	5.90 m
B Wheelbase	2.17 m
C Slew centre to rear axle centre	1.32 m
D Minimum ground clearance	0.36 m
E Slew ground clearance	0.53 m
G Height to top of cab	2.87 m
H Overall height	3.61 m
J Track width - Rear	1.73 m
K Track width - Front	1.86 m
L Width over bucket	2.35 m



EXCAVATOR PERFORMANCE

	3DX-4WD
A Max. dig depth	4.77 m
B Reach-ground level to rear wheel centre	6.72 m
C Reach-ground level to slew centre	5.40 m
D Reach at full height to slew centre	2.74 m
E Side reach to centre line of machine	6.02 m
F Max. working height	5.97 m
G Max. load over height	4.18 m
H King post travel	1.06 m
J Bucket rotation - power	185°
Bucket tear out force	5700 kgf
Dipper tear out force	3010 kgf
Lift capacity to bucket pivot at full reach (no bucket fitted) (SAE J31) (Data with standard dipper)	1490 kgs
Standard bucket capacity	0.26 cu.m.

LOADER PERFORMANCE

	3DX-4WD
M Dump height	2.74 m
N Load over height	3.23 m
O Pin height	3.45 m
P Pin forward reach	0.36 m
Q Reach at ground	1.42 m
R Max. reach at full height	1.20 m
S Reach at full height - Bucket dumped	0.83 m
T Below ground level dig depth	0.07 m
U Rollback at ground	45°
V Dump angle	43°
Shovel break-out force	6010 kgf
Loader arm break-out force	5300 kgf
Pay Load	1800 kgf
Standard shovel	1.1 cu.m. G.P. Shovel

JCB 3DX- 4WD | SPECIFICATION

The Most Fuel Efficient Backhoe Loader on Earth

ENGINE

JCB 448, Naturally Aspirated, 4 cylinder, Water Cooled, Diesel Engine

Displacement : 4.8 litres
Gross Power : 56 KW (76 mHP) @ 2200 RPM
Max Torque : 310 nm (31.6 kgm) @ 1200 RPM

TRANSMISSION

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

- Easy-to-use, column mounted electric reversing shuttle switch can change machine direction while allowing operator to keep hands on the steering wheel leading to fast cycle times.
- 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 possbile.
- 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 maneuver 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 p.s.i. (121 bar)
- 3DX- Hydraulic supply from main pump via priority valve.
- 3DX Xtra-Hydraulic supply from independent steering pump.

ELECTRICALS

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

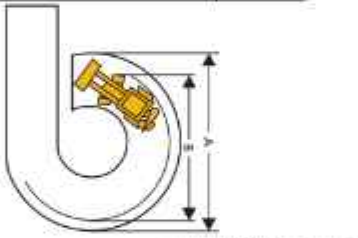
TYRES

Front : 9 x 16 - 16 PR

Rear : 16.9 x 28-12 PR (Industrial)

TURNING CIRCLE

Inner wheels braked		3DX-4WD
A*	Outside loader bucket	8.64 m
B	Outside Wheels	6.20 m
Inner wheels not braked		**3DX-4WD**
A*	Outside loader bucket	11.6 m
B	Outside Wheels	8.94 m



* Standard bucket in travel position

SPEED

Gear	Forward Km/hr	Reverse Km/hr
1st	6.1	6.1
2nd	9.8	9.8
3rd	21.0	Not Recommended
4th	40.0	Not Recommended

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

HYDRAULICS

Filtration through suction strainer and return line "JCB Filtromatic Filter".

	3DX-4WD
System pressure (p.s.i.)	3300
Pump flow (lpm) @ 2200 rpm	118

SHIPPING WEIGHT

3DX- 4WD
7460 kgs

SERVICE CAPACITIES

Hydraulic System	:	130 Lt.
Fuel Tank	:	128 Lt.
Engine Coolant	:	16.5 Lt.
Engine Oil	:	15 Lt.
Transmission	:	17.5 Lt.
Rear Axle	:	21 Lt.
Front Axle	:	11 Lt.

CABIN

- Tinted cab glasses provide excellent all-round visibility & sun protection.
- **Option** of servo operated Excavator controls for hassle free operations*.
- **Option** of air conditioning in cabin for rested operator in extreme weather conditions*.
- Auto shut off for fuel saving*.
- 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, 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, fuel level, water temperature and mobile charger. Easily visible while both end operation.
- Audible 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 System that enables you to monitor and manage your machines remotely by providing information on:

Service : Routine maintenance information and alerts.

Operation : Health alerts and usage data.

Security : Machine location & movement data

OPTIONS

- Excavator Buckets
  Capacities - 0.06 cu.m., 0.09 cu.m., 0.12cu.m., 0.18 cu.m.
- 6 in 1 clam shovel
- Ditch Cleaning Bucket
- Taper Ditching Bucket
- Square Hole Bucket
- Jaw Bucket
- Rock Breaker
- Ripper Tooth
- 2WD*
- JCB Telescopic Dipper*
  Provides up to 1 m of extra reach when compared with the standard dipper. Maximum dig depth, extended 5.77 m. Reach at ground from slew centre, extended 6.53 m. Maximum loadover height, extended 5.05m. Lift capacity at bucket pivot at maximum extended reach, no bucket fitted 825 kg. Auxiliary valve block enable fitment of JCB Telescopic Dipper.
  *Only on 3DX-4WD
- Smooth Ride System (SRS)
- Heavy duty Rear Tyres 14x25-20 PR
- Tipping Lever - Speed : 201° Bucket Rotation
  Tipping Lever Hook
- **Hydraulic Tool Circuit (HTC)**
  Provision to hydraulically operate hand held tools viz. Road Breaker, Disc Cutter and Submersible Pump.

Dealer's Stamp:

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

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